RAND

RAND HRS Data Documentation, Version P

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Preface

The Health and Retirement Study (HRS) is a longitudinal household survey data set for the study of retirement and health among the elderly in the United States. It is extraordinarily rich and complex. With the goal of making the data more accessible to researchers, the RAND Center for the Study of Aging, with funding and support from the National Institute on Aging (NIA) and the Social Security Administration (SSA), created the RAND HRS data files. This document describes the RAND HRS data.

The RAND HRS is a user-friendly version of a subset of the HRS. It contains cleaned and processed variables with consistent and intuitive naming conventions, model-based imputations and imputation flags, and spousal counterparts of most individual-level variables. All is elaborately documented, with special attention to comparability of variables across survey waves.

The RAND HRS is the result of three distinct data developments. With funding from the NIA, we created so-called Fat Files of each survey wave. In these files, the unit of observation is an individual Respondent. They contain most unrestricted HRS Variables. Household-level variables were assigned to its member records, information about spouses that was collected from the financially knowledgeable household member was re-assigned to the spousal record, and many data integrity checks were performed. With funding from the SSA, we created a longitudinal file with consistent naming conventions and imputations. Unlike the Fat Files, this longitudinal file contained only a subset of variables. It also contained some restricted variables. With subsequent funding from SSA through the Michigan Retirement Research Center (MRRC), we removed restricted data from the longitudinal file, added new cohorts and survey waves, new variables, and, in collaboration with HRS staff, made the file publicly available on the HRS website.

The RAND HRS Data File (v.P) is a user-friendly file derived from all waves of the HRS. It contains cleaned and processed variables with consistent and intuitive naming conventions, model-based imputations, and spousal counterparts of most individual-level variables. The RAND Enhanced Fat Files contain most of the original HRS variables with household data merged to the Respondent level. There is one file for each survey year. Currently, there are files for 1992, 1993, 1994, 1995, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, and 2014. And the RAND Income and Wealth Imputation File is a longitudinal file which contains the component and ownership variables for all waves that were used in RAND HRS income and wealth summary measures. The imputations are distributed as companion files to the RAND Enhanced Fat Files and summary measures are incorporated into the RAND HRS file. All the RAND data products are available to download from the HRS website (http://hrsonline.isr.umich.edu/data /index.html). For more information about the RAND HRS data products, please visit the RAND Center for the Study of Aging website at http://www.rand.org/labor/aging.

We are grateful for the continuing support of and funding from the NIA and SSA. In gaining access to and interpreting the HRS, we greatly benefited from the help and insights of HRS staff members. In particular, we thank Bob Willis, Cathy Liebowitz, Michael Nolte, David Weir, Thomas Juster, Dorothy Nordness, Marita Servais, Dave Howell, Honggao Cao, Janet Keller, Theresa Norgard, Tom Blackburn, Gwenith Fisher, and Jody Schimmel. We also acknowledge Howard Iams (SSA) and John Phillips (NIA) for their guidance and suggestions on the file structure and distribution process. Howard Iams, Melissa Koenig, Sharmila Choudhury, Irena Dushi of SSA continue to provide valuable input with their suggestions for additional variables, including measures regarding pensions, poverty, and retirement. We thank Kanika Kapur, Jeannette Rogowski, and Nicole Maestas at RAND for their guidance and suggestions for additional health insurance variables, and Lionel Deang of SSA for his input on these variables.

We thank all the analysts using the data who have alerted us to problems and given us suggestions. Previous versions of the data file benefited from the input of David Blau, Adeline Delavande, Zach Gassoumis, Dan Waldo, Vipul Bhatt, Steven Haider, Constantijn Panis, David Loughran, Nicole Maestas, Xiaoyan Li, Eric French, Christy Thompson, Ann Huff Stevens, Daver Kahvecioglu, Bob Weathers, Peiyun She, David Stapleton, Donna MacIsaac, Vicki Freedman, Jennifer Cornman, Yuyan Shi, Melissa Rayner, Julie Zissimopoulos and Natalia Emanuel.

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Warning to Users

We recently discovered a small bug in our imputations programs. Specifically, in the "tobit" imputations, we inadvertently use the square root of the estimated standard deviation instead of the standard deviation itself. This happens in many of our programs, including those used to produce this version, and probably all previous versions of the RAND HRS and RAND Income and Wealth Imputation files. Unfortunately, we discovered this issue too late to correct it in this version, so it will be corrected in the next version.

This affects imputations in the top bracket of each income and wealth component in all waves, and some imputations of medical expenditures and non-core household member income (which is used in constructing our poverty threshold measures) prior to Wave 10. We cannot oversee the precise consequences yet, but only a few percent of the observations in each wave and asset or income category include affected imputations. We believe that the effect is most likely to be a moderate downward bias in the imputations, so imputed top incomes and top wealth are moderately lower than they should be (on average). There are also a small number of other imputations that use similar procedures, and are similarly affected because of specific issues (e.g., if there are no donors within the reported bracket).

We advise users to exercise caution when interpreting results that are sensitive to a few large values (e.g. when studying inequality, or the top 1 percent). We expect that most ordinary analyses will not be appreciably affected, especially analyses that use robust methods (e.g., medians, quintiles, regressions on the log scale).

What's New in Version P of the RAND HRS?

Version P incorporates the Early Release for 2014, which includes the Mid Baby Boomer cohort and the most recent versions of the cross-wave Tracker and Region and Mobility files. It contains 37,495 observations or rows. It is a Respondent-level file so each row represents a unique Respondent. It also adds new variables and makes adjustments and corrections. The current versions of the core and cross wave data used in Version P are:

- 1992 Final V1.01
- 1993 Final V2.1
- 1994 Final V1.0
- 1995 Final V2.0
- 1996 Final V4.0
- 1998 Final V2.3
- 2000 Final V1.0
- 2002 Final V2.0
- 2004 Final V1.0 (October 2006)
- 2006 Final Release V2.0 (September 2010)
- 2008 Final Release V2.0 (October 2012)
- 2010 Final Release V4.0 (March 2014)
- 2012 Final Release V1.0 (December 2014)
- 2014 Early Release V1.0 (January 2016)
- Tracker 2012 Final V1.0 (March 2015)
- Cross-Wave Region and Mobility File V4.0 (May 2013)
- Master ID File V5 (December 2009)
- Cross-Wave Imputation of Cognitive Functioning Measures 1992-2014

We have added the following to the file:

– **For questions relating to Alzheimer's and Dementia, beginning in Wave 12, we have added the following variables: RwALZHEQ, RwALZHEE, RwALZHEF, and RwALZHES and RwDEMENQ, RwDEMENE, RwDEMENF, and RwDEMENS.** RwALZHEQ and RwDEMENQ indicate the question wording used, based on preload variables, and whether the preloaded information is correct. RwALZHEE and RwDEMENE indicate whether or not a doctor has ever told the Respondent he/she had this condition in this or any previous wave. RwALZHEF and RwDEMENF indicate whether the current wave conflicts with information given at a prior wave. RwALZHES and RwDEMENS are documented in the "Change in Health" section and indicate whether Alzheimer's or dementia is new in a particular wave, i.e, reported as new since the last interview.

– **We have added a second set of variables to estimate out-of-pocket medical expenditures, which are available beginning in Wave 10.** RwOOPMDO contains the sum of estimates of out-of-pocket spending for nine categories of medical services: (1) hospital; (2) nursing home; (3) doctor visits; (4) dental visits; (5) outpatient surgery; (6) prescription drugs; (7) home health care; (8) special facilities; and (9) any other services not covered in categories 1-8. RwOOPMDOF indicates whether any components of RwOOPMDO have been imputed.

– **Interview wave in which retirement date was reported (RwRETDTWV)**: We have added a new variable to capture when the Respondent reported retirement month and year. When the Respondent reports that they consider themselves retired, an HRS branchpoint variable indicates where the retirement date may be found. Data is often available from a previous interview or it may be in the current wave employment section or simply following the self-report of retirement status. This variable is available for all 12 waves of the RANDHRS.

– **Probability Respondent will bequest $500,000 or more (RwBEQ500)**: We have added this larger bequest variable which is available beginning in Wave 6.

– **We have added an additional weight variable (RwWTCRNH)**: It is the person-level weight and the nursing home

weight combined. For those not living in a nursing home, RwWTCRNH equals RwWTRESP and for those living in a nursing home, RwWTCRNH equals RwWTR_NH.

We have made the following adjustments, improvements, and corrections to the data and documentation:

Retirement

- Retirement Month and Year (RwRETMON RwRETYR): We filled in some previously missing retirement dates by using data reported in interviews earlier than the one immediately preceding. We also ensured that retirement variable values missing due to proxy interview were consistently coded as .S.
- For indicator variables RwLIV75F, RwLIV85F, RwLIV8XF, we converted missing values from 9 to .M.
- Data on the Respondent's financial planning horizon (RwFINPLN) was not collected in Waves 9 and 10, but the question is asked again in Waves 11 and 12. R11FINPLN data was inadvertently excluded from the previous version of RANDHRS.

Pension

- To improve the organization of derived variables, we have moved the documentation of two variables, Respondent belongs to a union (RwUNION) and Firm Size (RwFSIZE), from the Pension section to the Employment section.
- In Waves 11 and 12, we integrated Section J2 information into variables where the Respondents report receiving income from pensions (RwPENINC, RwPENI_N, RwPENIC1, RwPENIC2).

Employment

- We fixed a programming error that improves the accuracy of the Total years worked from self report (RwJYEARS). The following lists the number of Respondents affected in each Wave: Wave 1=6, Wave 2=7, Wave 3=8, Wave 4=12, Wave 5=15, Wave 6=19, Wave 7=29, Wave 8=29, Wave 9=42, Wave 10=134 and Wave 11=225 .

Income and Wealth Imputations

- For Version P, we ran the cross-sectional income and wealth imputations for Waves 11 and 12, and the cross-wave wealth imputations for Wave 10 forward (to pick up changes made to the Wave 11 cross-sectional imputations). During this process, we made some minor corrections to annuities (Wave 11), improved the method for imputing ownership of primary residences, including any associated mortgages or other home loans (Waves 11 and 12), updated our assumptions about the number of months food stamps were received in the last calendar year when limited information is available (Waves 11 and 12), adjusted the criteria in the cross-wave programs for selecting cases that should not undergo bracket imputation (Waves 10 and 11), and incorporated updates of the demographic and occupational data released by HRS.
- For Wave 10, re-running the cross-wave wealth imputations had a small impact overall. Most notably, compared to Version O, the average value of primary residences was less than 0.4% lower, and the average value of mortgages on primary residences was less than 1.1% lower. For Wave 11, the changes in imputed values were much larger, which is likely associated with some corrections we made to pension income. The corrections are described further below. Overall, average wealth changed by less than 1.0%, with the exception of the (cross-sectional) net value of non-housing financial wealth (H11WTOTF), which was roughly 2.6% lower. Average income, on the other hand, was roughly 6.0% higher. Please note that imputed values for individual households or Respondents can be different from the Version O imputations.
- An examination of the pension income (RwIPEN) variables in Version O showed markedly lower average pension income in Wave 11 compared to Wave 10. After a thorough analysis, we have concluded that this is largely due to the introduction of a new Pension Section (J2) in the 2012 questionnaire, which precedes and therefore affects some answers in the Assets and Income Section (Q). Because the question about pension income in the Assets and Income Section uses the wording "Not including Social Security or other retirement income you've already told me

about," some Financial Respondents did not report pension income they had reported earlier in the Pension Section. This interaction between different sections of the surveys was not intended by the survey designers. To remedy this problem in the data, beginning in Version P, we incorporate logic in Waves 11 and 12 to pull information about pension income of Financial Respondents from both Section Q and Section J2. We did not change the derivation of pension income for earlier waves, because those did not yet have the Pension Section (J2) that caused the interaction with the pension income questions in Section Q. Pension income for earlier waves continues to be calculated using only information from Section Q. See the "RAND Income and Wealth Imputation File Codebook" available on the HRS website http://hrsonline.isr.umich.edu, specifically Appendix C: Combining Pension Income from Section Q (Assets & Income) and Section J2 (Pension), for a detailed description of the methodology that we developed for combining information from the Pension Section (J2) and the Income Section (Q). After implementing this change for Waves 11 and 12, Financial Respondents' average pension income is roughly $3,200 higher in Version P compared to Version O, and the fraction reporting any pension income receipt is approximately 15.2% higher.

– Beginning in Wave 10, Respondents who report receiving income from an annuity, but say they received zero dollars last month, are asked whether they received any income last year. Those who say "yes" are asked to provide the total amount received. No unfolding bracket questions are asked. For purposes of the imputation, we divide this amount by the number of months they report receiving it, and treat the resulting amount as the "amount received last month." In previous versions, we have left this amount in the "monthly" annuity amount variables we provide in the Income and Wealth Imputation File (i.e., RwMPEN1, RwMPEN2, RwMPEN3 and SwMPEN1, SwMPEN2, SwMPEN3). We now set these amounts back to "0" to reflect the original response to the "amount received last month" question.

Poverty Threshold Measures

– We updated the poverty threshold variables to accommodate improvements made to the income and wealth imputations for Wave 11, including the cross-wave imputations for Wave 10. These improvements, in particular, affect total household income (HwITOT) and total household assets (HwATOTA), which are used as covariates in the imputation of household-member income (See the section entitled "Poverty Threshold Definitions and HRS Measures" for more information regarding how household-member income is used).

– The cumulative effect of all these changes was very small in Wave 10, where average household income (HwPOVHHI, HwPVHHIA) and the average percentage of cases classified as above or below the poverty threshold (HwINPOV, HwINPOVA) changed by less than 0.1% between Versions O and P. In Wave 11, however, the effects were much more pronounced. Specifically, average household income was nearly 6% higher in Version P, and the average percentage of cases classified as above or below the poverty threshold was nearly 8% lower. This is likely due to some corrections we made to pension income in Wave 11, which resulted in average pension income that was roughly $3,200 higher, and a rate of pension income receipt that was 15.2% percentage points higher in Version P.

Out-of-Pocket Medical Expenditures

– We re-ran the out-of-pocket medical expenditures (RwOOPMD) imputations for Waves 10 and 11. During this process, we corrected the calculation of the standard deviation for the "tobit" imputations (see the "Warning to Users" section above for details), updated the bracket imputation procedure for incomplete brackets when no donors are available, modified the hotdeck imputation to more fully randomize the order of value donors, corrected the race (i.e., "non-white") covariate used in the imputation models, and incorporated updates of the demographic and occupational data released by HRS. These improvements had a small impact overall. Specifically, average total out-of-pocket medical expenditures was essentially the same for Wave 10, and was roughly 0.5% higher in Version P compared to Version O for Wave 11. Please note that imputed values for individual Respondents can be different from the Version O imputations.

The SAS Format Library

Many of the derived variables on this file have been assigned SAS formats, or value labels. There are also SAS formats that are used to look up values using the SAS PUT function in data steps. For instance, the format library includes

yearly CPI-U values in this form.

We are no longer distributing SAS formats as a format catalog. Instead we are providing SAS code to allow the researcher to create their own formats catalog on any computing platform.

To create a formats catalogue, assuming sasfmts.sas7bdat is in `C:\randhrs\sasdata`, simly run the following code:

```
libname library "C:\randhrs\sasdata";
proc format library=library cntlin=sasfmts;
run;
```

This SAS code will create a file called `C:\randhrs\sasdata\formats.sas7bcat`

The formats can be found in text format in one of the `Fmt\*`.fmt files and are all included in a SAS dataset (`sasfmts.sas7bdat`).

The RAND/HRS data project is committed to producing high quality data for analysis. To this end, we have employed many innovative programming and quality assurance techniques including paired peer programming, standardized macros, and independent review. If you do, however, notice any undocumented discrepancies or apparent problems with the data, please let us know by e-mailing us (randhrshelp@rand.org).

Though we have attempted to derive measures that are consistent across waves, the underlying HRS data do not always allow this. Some of the native inconsistencies are present in our derived measures, but should be documented in detail in this codebook. Before using any measure comparatively across interview years, please be sure to read the variable description in this codebook carefully, particularly the sections on "How Constructed" and "Cross-Wave Differences in the Original HRS Data" that are included for each variable. If there are cross-wave differences that we have not documented, please let us know (randhrshelp@rand.org).

1. Introduction and Overview

This report documents the RAND HRS Data files, a cleaned, processed, and streamlined collection of variables derived from the Health and Retirement Study (HRS). The HRS is a national panel survey of individuals over age 50 and their spouses. Its main goal is to provide panel data that enable research and analysis in support of policies on retirement, health insurance, saving, and economic well-being. The survey elicits information about demographics, income, assets, health, cognition, family structure and connections, health care utilization and costs, housing, job status and history, expectations, and insurance.

The HRS is primarily sponsored by the National Institute of Aging (NIA), with additional funding from the Social Security Administration (SSA) and administered by the Institute for Social Research (ISR) at the University of Michigan. It consists of six cohorts:

- Initial HRS cohort, born 1931 to 1941. This cohort was first interviewed in 1992 and subsequently every two years.
- AHEAD cohort, born before 1924, initially a separate study (The Study of Assets and Health Dynamics Among the Oldest Old). This cohort was first interviewed in 1993 and subsequently in 1995, 1998, and subsequently every two years.
- Children of Depression (CODA) cohort, born 1924 to 1930. This cohort was first interviewed in 1998 and subsequently every two years.
- War Baby (WB) cohort, born 1942 to 1947. This cohort was also first interviewed in 1998 and subsequently every two years.
- Early Baby Boomer (EBB) cohort, born 1948 to 1953. This cohort was first interviewed in 2004.
- Mid Baby Boomer (MBB) cohort, born 1954 to 1959. This cohort was first interviewed in 2010.

In addition to Respondents from eligible birth years, the survey interviewed the spouses of married Respondents or the partner of a Respondent, regardless of age. Some of the HRS and AHEAD entry cohort Respondents were spouses of HRS- and AHEAD-eligible individuals who are age-eligible for the CODA or WB cohorts. These HRS and AHEAD spouses are given weights beginning in 1998 (Wave 4) so that they contribute to the representation of the CODA/WB birth year population. Some spouses of the initial HRS entry cohort Respondents were age 70 or older and were subsequently included in the AHEAD study. These so-called HRS/AHEAD overlap cases may thus have been interviewed in 1992, 1993, 1995, and from 1998 forward.

The RAND HRS, Version P, contains all six cohorts. This document refers to the entire survey as the HRS and the 1931-41 cohort that was first interviewed in 1992 is labeled the "initial" or "original" HRS entry cohort.

The HRS contains several auxiliary files. The RAND HRS data file only incorporates the core interviews. It does not include exit interviews or any restricted data, but does use information from the current Tracker, Region and Mobility, and Master ID files.

The data include any individual interviewed at least once. This includes individuals who were age-eligible (born in eligible years) at the time of their first interview, spouses that were not age-eligible at baseline, and spouses who married an age-eligible Respondent between survey waves.

The HRS over-samples Hispanics, Blacks, and residents of Florida, and provides weighting variables to make it representative of the community-based population.

As of May 2016, 14 waves of data are available for study. The data described in this document are based on 1992, 1993, 1994, 1995, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010 and 2012 final data releases, and the early release for 2014.

1.1. Confidentiality and Access Restrictions

The data described in this document are based on HRS public release files. Before using the data, you must have obtained permission from HRS by registering with them for downloading the public release files. The HRS website contains information on the process to register for access to HRS public release data (https://ssl.isr.umich.edu/hrs). By registering with HRS you agree to the "Conditions of Use" governing access to the data. This agreement applies to the use of the RAND HRS Family data as well. There is NO RESTRICTED DATA on the RAND HRS Family data set.

1.2. Data Files Structure

The RAND HRS Data are distributed as a single file which includes 12 waves of the HRS. The data contain Respondents within the HRS, AHEAD, CODA, WB, EBB and MBB entry cohorts. Table 1 lists the source year of data for each of the entry cohorts, by wave. The 1993 data are treated as Wave 2 data and the 1995 data are treated as Wave 3 data for the AHEAD entry cohort. The 1994 data are treated as Wave 2 data and the 1996 data are treated as Wave 3 data for the HRS entry cohort. The AHEAD and HRS survey instruments in these years differed significantly. This documentation distinguishes between the instruments by using Wave 2A and Wave 3A to refer to the 1993 and 1995 data for the AHEAD entry cohort, and Wave 2H and Wave 3H to refer to the 1994 and 1996 data for the HRS entry cohort.

Table 1. Source of Data for Entry Cohorts in RAND HRS Data File by Wave

<table>
<tr><th rowspan="2">Wave</th><th colspan="6">Entry Cohort</th></tr>
<tr><th>HRS
HACOHORT=3</th><th>AHEAD
HACOHORT=0,1</th><th>CODA
HACOHORT=2</th><th>WB
HACOHORT=4</th><th>EBB
HACOHORT=5</th><th>MBB
HACOHORT=6</th></tr>
<tr><td>1</td><td>1992</td><td>1992
(HRS/AHEAD
overlaps only)</td><td colspan="4" rowspan="3">Not available</td></tr>
<tr><td>2</td><td>1994 (Wave 2H)</td><td>1993 (Wave 2A)</td></tr>
<tr><td>3</td><td>1996 (Wave 3H)</td><td>1995 (Wave 3A)</td></tr>
<tr><td>4</td><td>1998</td><td>1998</td><td>1998</td><td>1998</td><td colspan="2" rowspan="3">Not available</td></tr>
<tr><td>5</td><td>2000</td><td>2000</td><td>2000</td><td>2000</td></tr>
<tr><td>6</td><td>2002</td><td>2002</td><td>2002</td><td>2002</td></tr>
<tr><td>7</td><td>2004</td><td>2004</td><td>2004</td><td>2004</td><td>2004</td><td rowspan="3">Not available</td></tr>
<tr><td>8</td><td>2006</td><td>2006</td><td>2006</td><td>2006</td><td>2006</td></tr>
<tr><td>9</td><td>2008</td><td>2008</td><td>2008</td><td>2008</td><td>2008</td></tr>
<tr><td>10</td><td>2010</td><td>2010</td><td>2010</td><td>2010</td><td>2010</td><td>2010</td></tr>
<tr><td>11</td><td>2012</td><td>2012</td><td>2012</td><td>2012</td><td>2012</td><td>2012</td></tr>
<tr><td>12</td><td>2014</td><td>2014</td><td>2014</td><td>2014</td><td>2014</td><td>2014</td></tr>
</table>

The unit of observation is an individual. Each individual is uniquely identified by a household ID (HHID) and a person number (PN). We combined these variables into a single ID variable, HHIDPN (HHIDPN: HHold ID + Person Number /Num), where HHIDPN = $1000 \times HHID + PN$.[1] This file may be merged with other HRS data by HHIDPN.

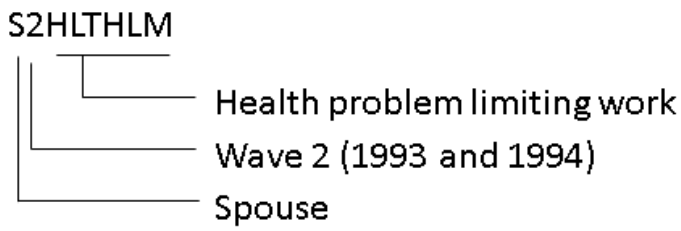
The RAND HRS Data file is distributed in SAS, Stata, and SPSS formats, as one file that includes all 12 waves.

1.3. Variable Naming Conventions

With few exceptions, variable names in the RAND HRS Data follow a consistent pattern. The first character indicates whether the variable refers to the reference person ("R"), spouse ("S"), or the household ("H").[2] The second character indicates the wave to which the variable pertains: "1," "2," "3," "4," "5," "6," "7," "8," "9," "10," "11," "12," or "A." The "A" indicates "all," i.e., the variable is not specific to any single wave. An example is RABDATE, the birth date of the Respondent. The remaining characters describe the concept that the variable captures. For example:

[1] This HHIDPN variable is numeric. Also available is RAHHIDPN (RAHHIDPN: HHold ID + Person Num /9-Char), its 9-character string equivalent.

[2] The reference person need not be the person who responded to the question. It is the person whose information is central to the data file observation.



Variable S2HLTHLM captures whether the spouse of the reference person experiences an impairment or health problem that limits the kind or amount of paid work he/she can do. The name of the variable does not indicate who provided the information. For example, the spouse's health problem may have been reported by the spouse himself or herself, or it may have been reported by the reference person as a proxy. The HRS obtains many variables, particularly on financial and family matters, by proxy.

In the text below, we may refer to variables such as SwHLTHLM for example, without specifying the wave. This reference points at the group of variables S1HLTHLM, S2HLTHLM, S3HLTHLM, S4HLTHLM, S5HLTHLM, S6HLTHLM, S7HLTHLM, S8HLTHLM, S9HLTHLM, S10HLTHLM, S11HLTHLM AND S12HLTHLM.

Variable labels also follow a consistent pattern. The first characters denote the name of the variable, followed by a colon. Then follows the wave to which the variable pertains (W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11 OR W12). The remainder of the label describes the concept that the variable captures. For example, the variable label of S2HLTHLM is:

S2HLTHLM: W2 Hlth problems limit work

It may seem duplicative to include the name of the variable and the wave in the variable label. However, SAS often suppresses the variable name and instead uses its label in the presentation of results.

1.4. Missing Values

Variables may contain missing values for several reasons. SAS and Stata offer the capability to distinguish multiple types of missing values, and we have attempted to record as much information as possible. Generally, the codes adhere to the classification in Table 2.

Table 2. Missing Codes

Code	Reason for missing
.	Reference person did not respond to this wave
.D	Don't know
.R	Refused
.X	Does not apply (specifics depends on variable)
.Q	Data not available because the question was not asked
.U	Reference person is not married (for spouse variables)
.V	Spouse did not respond this wave (for spousal variables)
.S	Information not available due to skip patterns, typically because the interview is by proxy Respondent
.M	Other missing
.N	a. No live interview (SwDDATEF, SwNDATEF) b. No mars, likely nev mar (RwMNEV) c. In NHM (R/SwHOMCAR) d. No utilization (R/SwTOTMBF) e. Not a pension, other (R/SwTYPF1-R/SwTYPF4) f. No Plan (R/SwCOVRT) g. None (R/SwHECOV1-R/SwHECOV3) h. No respondent employer-p (R/SwHERTR1-R/SwHERTR3, R/SwHERTS1-R/SwHERTS3, R/SwHERET) i. Cog not asked (re-IW)/1 (R/SwMO, R/SwDY, R/SwYR, R/SwDW, R/SwSCIS, R/SwCACT, R/SwPRES, R/SwVP, R/SwVOCAB) j. No retirement plans (R/SwRETWSP, R/SwRETINC, R/SwRETLIV k. Not retired (R/SwRETSAT, R/SwRYRCMP)

The coding scheme varies across variables. .N is defined differently in various sections. Consult the Data Codebook section of this document for details on individual variables.

Stata introduced the ability to distinguish multiple types of missing values in its Version 8. The RAND HRS files in Stata format are for use with Version 11 SE or later.

2. Conceptual Variables

Only a few variables in the RAND HRS Data files are unchanged copies of raw HRS variables. Most variables have undergone some processing, and many are the result of more than one HRS variable. Generally, the codebook indicates the names of HRS variables that were used to construct the relevant variable.

Some variables, such as RwJLTEN (tenure on longest job) and RwMLEN (duration of longest marriage) required elaborate manipulation of many variables from several sections of the HRS, but are conceptually straightforward. This section documents variables whose construction involved substantive judgments of key research concepts: health, health change, medical expenditures, and wages.

2.1. Health Indices

We define and derive four groups of health indices: several functional limitation indices, one depression index, one health problem index, and a body mass index. We also include cognitive health indices for which the HRS has provided imputations. A description of each index follows.

2.1.1. Functional Limitations

The RAND HRS Data contain six primary functional limitation indices. We chose these indices for their comparability with studies that measure functional limitations, our assessment of their quality, and for consistency across survey waves. We first derive a variable that indicates if the Respondent had difficulty performing a task (0=no difficulty; 1=difficulty). The exact question asked of the Respondent varies slightly across the survey waves. The responses defined by HRS are quite different in Wave 1 compared to other waves, so we do not include these measures for Wave 1.[3] Our measure of difficulty is defined to be comparable across the rest of the waves. The codebook provides details on the definition and calculation of 'difficulty' for all waves. All indices are the sum of the number of difficulties a Respondent has completing a particular set of tasks, and uses a definition of difficulty that is comparable across waves. Each index and the set of tasks used in the index are defined below. The variable name, for an unspecified wave, is given in parenthesis next to the index name.

Mobility (RwMOBILA): The five tasks included in the mobility index are walking several blocks, walking one block, walking across the room, climbing several flights of stairs and climbing one flight of stairs. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

Large Muscle (RwLGMUSA): The four tasks included in the large muscle index are sitting for two hours, getting up from a chair, stooping or kneeling or crouching, and pushing or pulling a large object. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

Activities of Daily Living (RwADLWA, RwADLA): We define two activities of daily living indices. RwADLWA follows Wallace and Herzog (1995) and includes three tasks: bathing, eating, and dressing. RwADLA includes five tasks: bathing, eating, dressing, walking across a room, and getting in or out of bed.

Gross Motor Skills (RwGROSSA): The four tasks in this index are chosen because of their consistency across waves. They include walking one block, walking across the room, climbing one flight of stairs, and bathing. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

[3] For Wave 1 only, we provide another measure of difficulty as defined in Wallace and Herzog (1995). The names of variables using this definition end in the letter "W." These are not comparable to the "some difficulty" measures in other waves.

Fine Motor Skills (RwFINEA): The three tasks included in this index are: picking up a dime, eating, and dressing.

Instrumental Activities of Daily Living (RwIADLA, RwLMCOGA, RwIADLZA): Not all waves ask the same Instrumental Activities of Daily Living (IADL) tasks. The usual IADLs were not asked in Wave 1. RwIADLA is consistent across all survey waves starting with Wave 2 and include: using a telephone, taking medication, and handling money. The tasks of RwIADLZA are asked in Wave 2A and from Wave 3 forward and include: using a telephone, taking medication, handling money, shopping, preparing meals.

2.1.2. Mental Health (RwCESD)

Depression (RwCESD): We derive one mental health index, RwCESD, using a score on the Center for Epidemiologic Studies Depression (CESD) scale. The CESD score (RwCESD) is the sum of five "negative" indicators minus two "positive" indicators. The negative indicators measure whether the Respondent experienced the following sentiments all or most of the time: depression, everything is an effort, sleep is restless, felt alone, felt sad, and could not get going. The positive indicators measure whether the Respondent felt happy and enjoyed life, all or most of the time. In Wave 1 the allowable responses to these questions are quite different that those in other waves, so this measure is not derived for Wave 1.

Cognition: The HRS has selected a set of measures related to cognitive function that are collected fairly consistently across waves, and have imputed values for them when they are missing. The imputations are publicly available from the HRS website[4], and we have included them in the RAND HRS. The selected cognitive functioning measures include immediate and delayed word recall, the serial 7s test, counting backwards, naming tasks (e.g., date-naming), and vocabulary questions. In addition to the individual cognitive functioning measures, the HRS also derived three cognition summary indices, which we include in the RAND HRS. The total recall index (RwTR20, R1TR40, RwATR20, RwHTR40) is available in all waves and summarizes the immediate and delayed word recall tasks. In Waves 1 and 2H, the recall wordlist contained 20 words, while in all other waves it contained 10. Thus the scores range from 0 to 40 in Waves 1 and 2H and from 0 to 20 in other waves. The mental status index (RwMSTOT, R2AMSTOT) sums scores from counting, naming, and vocabulary tasks and is available for Wave 2A and from Wave 3 forward. This reflects the absence of some of these tests in Waves 1 and 2H. A total cognition score (RwCOGTOT, R2ACGTOT) sums the total recall and mental status indices. Because the mental status index is missing for Waves 1 and 2H, the total cognition index is also missing for these waves.

2.1.3. Health Conditions (RwCONDE)

We derive one health problem index, RWCONDE that is the sum of indicators for whether a doctor has ever told the Respondent that he or she has ever had a particular disease. The eight included diseases are: high blood pressure, diabetes, cancer, lung disease, heart disease, stroke, psychiatric problems, and arthritis. In interviews after the baseline, prior responses were preloaded.[5] Each disease condition indicator variable has a corresponding flag variable that indicates whether the Respondent disputed the previous wave's indicator and whether the Respondent later denied having the condition through such a dispute. Note that the RwCONDE time series is not appropriate for tracking changes in the prevalence over time, and the individual variables without disputes incorporated should be used instead. These are available as a series of variables that recode the raw responses found in the HRS data.

2.1.4. Body Mass (RwBMI)

We derive one body mass index (RwBMI) that is calculated as weight divided by the square of height. Height is converted into meters and weight into kilograms. Beginning in Wave 3, height is only asked of new Respondents, but weight is asked in every wave. For Respondents being re-interviewed, height is carried forward from their first interview.

[4] Please refer to Documentation of Cognitive Functioning Measures in the Health and Retirement Study. (Ofstedal et.al., 2005) and HRS Imputation of Cognitive Functioning Measures: 1992 - 2010 Data Description (Fisher et.al., 2012) for details on the imputation method.

[5] The term "preloading" refers to information from a prior wave that the interviewer uses to prompt the Respondent. For example, suppose a Respondent indicated in Wave 2 that he had been diagnosed with diabetes. In Wave 3 questions, the interviewer will use this information. Typically, the Respondent is allowed to challenge preloaded information.

2.2. Health Change

We define and derive four groups of indices for health change: overall health, functional limitations, diagnosis, and subjective mortality risks. The health change indices are chosen for their quality in assessing health change and for their consistency across waves. Health change is calculated as health status in the current wave minus health status in the previous wave.

If a Respondent did not answer a health question in a certain wave (item non-response), the corresponding health change variable in that wave is set to missing. Similarly, if a Respondent did not participate at all in a certain wave (interview non-response), the corresponding health change variable in that wave is set to missing. If he did participate in the next wave, the health change variable of that next wave will be based on the most recent wave in which the Respondent participated, i.e., the change pertains to a change over four years instead of two. (Should the response to the health question in that most recent participatory wave be missing, the change will also be missing.) Separate flag variables indicate how many interviews were missed prior to the current wave. Additional flag variables are included to indicate that the Respondent disputed preloaded information.

2.2.1. Change in Overall Health

Change in Self-reported Health (RwSHLTC): These variables measure the change in self-reports of health categories "excellent," "very good," "good," "fair," and "poor." The health categories are numbered from 1 (excellent) to 5 (poor), so that positive values of the change in self-reported health denote deterioration. This measure is not available in the baseline wave.

Self-report of Health Change (RwHLTC): The HRS also directly asks about changes in health. The responses may be "much better" (1), "somewhat better" (2), "same" (3), "somewhat worse" (4), and "much worse" (5). Higher values denote a health deterioration. In Wave 1 for the HRS entry cohort and Wave 2 for the AHEAD entry cohort, the change in health is relative to one year ago; in subsequent waves, the changes are relative to the previous interview, two years ago.

2.2.2. Change in Functional Limitations

Activities of Daily Living (RwADLC): This variable measures the change in the index for activities of daily living (RwADLA). See above for more information on this index. It is not available in the baseline wave. Because of problems in the underlying HRS data, it is not available until Wave 3 for the HRS entry cohort.

Gross Motor Skills (RwGROSSC): This variable measures the change in the index for gross motor skills (RwGROSSA). See above for more information on this index. It is not available in the baseline wave. Because of problems in the underlying HRS data, it is not available until Wave 3 for the HRS entry cohort.

Fine Motor Skills (RwFINEC): This variable measures the change in the index for fine motor skills (RwFINEA). See above for more information on this index. It is not available in the baseline wave. Because of problems in the underlying HRS data, it is not available until Wave 3 for the HRS entry cohort.

2.2.3. Change in Diagnoses of Specific Health Conditions

We derive one set of variables that measure the increase in the number of health conditions since the last interview. The number of health conditions (high blood pressure, diabetes, cancer, lung disease, heart disease, stroke, psychiatric problems, arthritis) is captured in variables RwCONDE (see above); the increase since the last interview is in RwCONDS. It is not available in the baseline wave.

2.2.4. Change in Assessment of Relative Mortality

Change in Relative Probability of Living to Age 75 or 85 (RwLIV75C, RwLIV85C): We constructed two sets of variables that measure change in relative mortality risk. The HRS asks for subjective probabilities of living to age 75 and to age 85. We first computed the ratio of these reported probabilities to the probability implied by the annual Vital Statistics life tables (controlling for age and sex). The annual table used corresponds to the interview year, except for 2012 and 2014. The 2012 Life Tables are not yet available; for these years the 2011 Life Table is used. We then took the difference in these relative mortality risks between waves. These indices are not available in the baseline wave.

In Waves 2A (AHEAD 1993), 3A (AHEAD 1995), and from Wave 5 (HRS 2000) forward, the wording for the question analogous to the subjective probability of living to age 85 changed significantly enough that the change variable is no longer longitudinally consistent. Please see the description of these variables in the Data Codebook Appendix for more details.

2.3. Health Care Utilization and Medical Expenditures

The construction of health care utilization and medical expenditures variables is complicated by differences in the questions across waves. Health Care Utilization questions are asked in all waves, but the categories of care differ. Medical expenditure questions can be divided into two broad types: Out-of-Pocket Expenditures, which are costs paid by the household, and Total Medical Expenditures, which encompass costs incurred by both the household and by insurance plans on behalf of household members.

2.3.1. Health Care Utilization

In Wave 1 (1992), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, and home health care in the twelve months prior to the interview. In Wave 2A (1993), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, prescription drugs and their quantity, outpatient surgery and dental care in the twelve months prior to the interview. In addition to the utilization questions asked of the Respondent about her/himself, in Wave 2A, some utilization questions are also asked of the Financial Respondent about the entire household.[6] In Wave 2H (1994), the Respondents are asked about the same types of services as Wave 1, plus prescription drug use since the previous interview (for re-interviews) or in the previous two years (for new interviewees). In Wave 3H (1996), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, prescription drugs and their quantity, outpatient surgery, dental care, home health care and special facility services, and the reference period is since the previous interview (for re-interviews) or in the previous 2 years (for new interviews), and from then on, the utilization questions are consistent through Wave 12 (2014).

2.3.2. Out-of-Pocket Medical Expenditures

In Wave 1, there are no questions asked about the costs of health care services. In Wave 2A, only the Financial Respondent is asked to estimate out-of-pocket expenses in the last 12 months for the entire household for two service categories: nursing home stays and all other medical expenditures without specific reference to any of the reported utilization. In Wave 2H (1994), and in all Waves going forward, both Financial and Non-Financial Respondents are asked whether health care costs are covered fully or partially by insurance, and to estimate out-of-pocket medical expenditures since the previous interview (for re-interviews) or in the previous two years (for new interviews). If Respondents are unable to provide exact estimates, a series of follow-up unfolding bracket questions are asked. In Wave 2H, Respondents are asked to report an estimate of out-of-pocket costs that considers all service categories together.

[6] The Financial Respondent is asked questions about whether either in a couple has had any hospital stays, nursing home stays, doctor visits, outpatient surgery, dental care, prescription drugs, home health care, and other services, but is not asked to quantify any of these. When a Respondent's individual answers about her/himself and the Financial Respondent's household-level information are both available and in disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use household-level data to fill in missing Spouse information.

Beginning in Wave 3A, out-of-pocket medical expenditure questions begin to more closely mirror the medical utilization questions; in Waves 3A, 3H, 4 (1998) and 5 (2000), Respondents are asked about out-of-pocket spending in four categories: (1) hospital and nursing home costs; (2) doctor, dentist and outpatient surgery costs; (3) average monthly prescription drug costs; and (4) home health care and special facilities or services costs. Beginning in Wave 6 (2002), the number of categories expands to eight: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care and (8) special facilities costs. Beginning in Wave 10 (2010), a ninth category seeks to capture any additional out-of-pocket medical expenditures that cannot be assigned to any of the other categories.

In Wave 8 (2006) only, Respondents are asked different questions about out-of-pocket prescription drug costs depending on whether or not they have enrolled in Medicare Part D. For those whose prescription drug use and cost are unaffected by Medicare Part D, the reported or imputed monthly average is multiplied by 24 months to estimate drug costs for the last two years. For those enrolled, two questions ask if their use or costs of prescription drugs changed. If the answer to either of these questions is "yes," then Respondents report two average monthly out-of-pocket amounts: one for the 12 months prior to coverage under Part D and another for the 12 months after. Total prescription drug costs for the last two years in Wave 8 is, then, calculated as:

$$(ptDmos * aimedB) + ((24 - ptDmos) * aimedA)$$

...where...

ptDmos = number of months post-Part D
aimedA = expenses pre-Part D
aimedB = expenses post-Part D

The variable RwPARTD contains the flag for Medicare Part D status, and has the following values: 0 = No Part D, 1 = Part D but no change, and 2 = Part D and change in use or cost.

2.3.2. Total Medical Expenditures

In Waves 1 and 2A, there are no questions about the total costs of any medical services. In Wave 3H, Respondents are asked to estimate total medical costs for all medical services since the previous interview. If the Respondent does not provide an exact amount, unfolding bracket follow-up questions are asked. From Wave 4 to Wave 6, an exact amount of total expenditures is not asked; all Respondents are directed into unfolding bracket questions. Starting in Wave 7, there are no questions about total medical expenditures.

2.3.4. Imputation Process

Where applicable, we impute out-of-pocket medical expenditures and total medical expenditures. We do not impute utilization.

Beginning with Wave 3, we impute out-of-pocket medical expenditures across all waves using the following method. If an individual reports using a given service category and reports that insurance partially covered or did not cover costs for that category, we use the exact amount he/she reports. Approximately half of those who report using a given service do not provide an exact amount; for those cases, we impute an exact amount using bracketed responses. With one exception, the imputation algorithm is the same as used for income and wealth, excluding "ownership" imputation; it is described in detail in Section 3.

The one difference between the out-of-pocket medical expenditures imputation process and the income and wealth imputation process occurs when we impute nursing home costs. To impute missing values falling in the highest bracket

range for nursing home costs, we use the "nearest neighbor" approach rather than the tobit draw usually used for the open-ended bracket at the top of the distribution. The tobit model has been a particularly poor fit for the data, and we have determined that there are no extreme outliers in the distribution of reported continuous values that would be used as part of the nearest neighbor donor pool.

The imputation model predictors are age, age-squared, education, subjective health status, gender, marital status, race, whether an individual has any health insurance, whether an individual reported a hospital or nursing home stay, number of doctor visits, and whether the hospital, nursing, or doctor visit data are missing. A zero value is assigned to each category where Respondents report not using a given service category or report that insurance fully covered all associated costs. Expenditures are then summed across service categories to calculate total out-of-pocket expenditures. The procedure produces an imputed value for out-of-pocket medical expenditures for all individuals in the sample, including those with missing data.

For Wave 2A, the imputation process is slightly different. We start by imputing out-of-pocket expenditures in the two service categories in Wave 2A, nursing home expenses and all other medical expenses, both of which are reported at household-level by the Financial Respondent. If an exact amount is not provided, bracketed responses are available for both categories. There is an additional step in the imputation process for Wave 2A because the out-of-pocket expense also needs to be allocated to individuals in couple households.

Two different allocation processes are used for the spending categories. Only one couple reports that both members have had a nursing home stay. For this case, the household-level expense is allocated to the individuals based on the relative length of all stays. For all other households, the individual who has the nursing home stay is allocated the household-level amount. The imputation process is then carried out as described above at the individual level for out-of-pocket nursing home expenses.

The imputation for all other medical expenses is carried out at the household-level first, and then allocated to individuals in a second step. For consistency with other waves, values are derived for non-nursing home out-of-pocket expenses only if an individual reports using at least one service category other than nursing home stay, and reports having partial or no insurance for any of those categories. Consistent with other waves, if an exact expenditure is reported, we use that value. If an exact amount is not reported, we impute an exact amount using bracketed responses, using the same imputation algorithm that is used for income and wealth [7] and the same covariates that are used for medical expenditure imputations described above. For the household-level imputation, both male and female covariates are used. If the household is a single individual or if only one individual in a couple reports any utilization, the total imputed household-level amount is assigned to that individual.

Two additional imputation models are used in order to allocate the expense among the couples where both have any service not covered by insurance. In these models, the sample and covariates are at the Respondent level. In the first model, we assume the Financial Respondent is missing the expense and assign the Spouse the entire imputed household-level amount. In the second model, we reverse the situation, assuming the Spouse is missing the expense. We use the resulting imputed expenses only to calculate a proportion based on the Financial Respondent's expense imputed from the first model and the Spouse's expense imputed from the second. We use that proportion to allocate the imputed household-level expense to each individual. The individually allocated amount is then summed with the out-of-pocket nursing home expense.

In addition to the estimate of the Respondent's total out-of-pocket spending, we also provide the imputed household-level amount (H2OOPMD). For some households, no uncovered expenses are reported, but some out-of-pocket medical expenses (excluding nursing home) are. These probably represent expenses for services not specifically asked about, such as durable medical equipment or over-the-counter drugs. If no uncovered expenses are reported, H2OOPMD is set to zero, even if some out-of-pocket expense is given. A second version of total out-of-pocket expenses is imputed without restricting the sample to those reporting an uncovered medical expense. This is included on the file as H2OOPMA.

[7] Again, we do not impute ownership for medical expenditures. See Section 3 for complete details on the Income and Wealth imputation process.

Because Wave 1 has no expenditure data and Wave 2H has out-of-pocket expenditures for only a subset of the Wave 3 and 4 services, we impute total out-of-pocket for all Respondents in those waves. We do this by first running regressions of (the logarithm of) total out-of-pocket spending on the covariates listed above using pooled Waves 3H and 4 data. We then use these estimated equations to predict medical expenditures in Waves 1 and 2H. This method uses expenditure data from Waves 3H and 4 to predict amounts in Waves 1 and 2H. We account for inflation by first deflating all expenditure data to constant 1992 dollars using the medical care services series of the CPI; then carry out the imputations; and finally inflate the amounts using the medical services series and re-deflate using CPI-U, thus adjusting the amounts for differences between the medical care services series of the CPI and CPI-U.

Questions about total medical expenditures are asked in Waves 3-6, but Respondents are only asked to estimate an exact amount in Wave 3H. Because there are no questions asking about exact total medical expenditures in any other waves, we include the bracketed value reported for total medical expenditures (RwTOTMB) for Waves 3 to 6. We impute complete brackets when incomplete bracket information is provided (RwTOTMBI) using the imputation methods described above.[8] Beginning in Wave 7, questions about total medical expenditures are dropped from the survey.

2.4. Wages

We construct wages using data on labor earnings and labor supply from the HRS Employment Section. This section focuses on the Respondent's main job. The HRS first asks Respondents whether they are currently working, unemployed, temporarily on leave, disabled, retired, or a homemaker. From individuals currently working for pay, the HRS asks to report normal hours per week and weeks per year worked on the main job. All individuals are asked whether they receive a regular salary, work by the hour, perform piecework, or get paid in some other manner. Regardless of the answer, they are then allowed to report their earnings from their main job in any interval they desire. That is, they can report their earnings as hourly, weekly, biweekly, monthly, yearly, or over some other interval. Self-employed individuals are also asked to report any profits they receive from their main job.

The RAND HRS Data contain both hourly and weekly wages. Hourly are stored in variables RwWGIHR; weekly wages in RwWGIWK. We scale reported earnings up or down to arrive at hourly and weekly wages as necessary. For example, if a Respondent reports an hourly wage then we assign that as his hourly wage and multiply it by reported hours worked per week to calculate the weekly wage. Individuals reporting a weekly wage are assigned that as their weekly wage and their weekly wage divided by hours worked per week as their hourly wage. We include both hourly and weekly wages in the data so that a wage rate is available even if hours worked per week is missing. Annual wages are scaled down in a similar fashion by annual number of weeks worked. We assume that biweekly and monthly wages represent wages for two and 52/12 weeks, respectively. We treat self-employed profits identically to earnings. Flag variables indicate whether the wage rate is self-reported, derived from self-employed profits, or imputed (see below). We do not include overtime wages in our figures. All wages are reported in nominal dollars.

The wage rate variables are missing for individuals that are out of the labor force or that did not provide sufficient information to calculate an hourly or weekly wage. Out of the labor force includes retired, disabled, on temporary leave, and homemaker. The resulting data contain non-missing hourly wages for 7378, 6817, 5777, 7171, 6179, 4959, 6433, 5547, 4978, 7576, 6725 and 5838 individuals in Waves 1-12, respectively. Weekly wages are available for 7400, 6842, 5829, 7200, 6213, 4985, 6477, 5581, 5006, 7607, 6763 and 5875 individuals. The differences in missing rates arise from missing information on the number of hours worked per week. The increasing number of missing values across Waves 1-3 is due primarily to the increasing number of retirees, the increase in non-missing wages at Wave 4 is due to the addition of the CODA and WB cohorts, the increase at Wave 7 is due to the addition of the EBB cohort and the increase at Wave 10 is due to the addition of the MBB cohort. The means and medians of these calculated wages appear to be within reason across waves and are consistent with labor income reported in the assets and income section.

[8] However, since the HRS did not ask for the exact amount of total expenditures (except in Wave 3H), we cannot impute these amounts by the nearest neighbor approach. Instead, we estimate an ordered logit model, and impute based on the predicted value plus a random draw from the residual distribution, analogous to the approach that was followed for open-ended brackets in the Income and Wealth imputations.

We imputed wages for the unemployed (408, 323, 233, 239, 207, 246, 313, 215, 238, 899, 661 and 416 individuals in Waves 1-12). We use two methods for imputing such wages. First, the unemployed are asked to report the wage on their last job since the previous interview. If available, we use that wage as the current wage. If not available, we take the wage reported in the previous wave. If that wage is not available either, we proceed backwards through successive waves until we find a valid wage for that individual. This includes using information from the individual's Wave 1 job history file, if necessary. The prior wage is then adjusted to the current interview year using CPI-U. This method produces an imputed wage for approximately 90 percent of unemployed individuals. For the remaining unemployed, we predict wages from the full sample using a regression of (the logarithm of) wages on age, age-squared, education, race, marital status, whether unemployed in any wave, and Census region of residence. We include flag variables (RwWGFHR for hourly and RwWGFWK for weekly wages) to indicate whether a wage rate was imputed, and which imputation method was used.

3. Wealth and Income Imputations

3.1. Background

The RAND HRS data contain a number of wealth and income variables. Where missing, we imputed their values. In this chapter, we give an overview of the question sequences and imputation methods. A detailed technical description can be found in Hurd, Meijer, Moldoff, and Rohwedder (2016).[9]

Most HRS and AHEAD questions on wealth and income follow the same pattern. Consider holdings of stocks and mutual funds as an example. First, the interviewer asks whether the Respondent (or his/her spouse or partner) owns any shares of stock or stock mutual funds. If affirmative, the interviewer asks the value of these stock holdings. If the Respondent is unable or unwilling to provide an exact amount, the interviewer asks whether it is more than $25,000. If the answer is "more than $25,000," the interviewer asks whether it is more than $125,000, whereas if the answer is "less than $25,000," the interviewer asks whether it is more than $2,500. Depending on the responses, the range is narrowed down to $0-2,500; $2,500-25,000; $25,000-125,000; $125,000-400,000; $400,000 or more. These ranges are known as "brackets," and the sequence of probes into increasingly narrow ranges are known as "unfolding brackets" questions. The brackets vary by asset and income category, and the cut-off values (also known as thresholds), though generally stable, can change between waves. For example, the cut-off values for dividend and interest income in HRS 1994 (Wave 2H) are $200, $500, $2,500, and $10,000, while in HRS 1996 (Wave 3H) they are $1,000, $5,000, and $25,000.

The Respondent may opt out of the question sequence at any time. As a result, the raw data contain valid zero-value responses, exact amounts, complete bracket responses, incomplete bracket responses, claim of ownership without any information about the value, and unknown ownership. (We also use the term "ownership" to indicate whether a household or individual receives a certain kind of income or holds a certain kind of debt.) An incomplete bracket results if the Respondent provided some information about the value, but was unable or unwilling to respond through the last unfolding bracket probe. For example, he indicated that the stock holdings amount to more than $25,000, but did not say whether they are worth more than $125,000. In that case, the range is an open-ended $25,000 or more. A claim of ownership without value results if the Respondent indicated that he owns stocks, but revealed neither the exact amount nor a range. A claim of ownership without value is a special case of an incomplete bracket, namely an open-ended bracket of greater than zero dollars.

As an illustration, Table 3 shows the frequency distribution of response types on the ownership and value of stock holdings in HRS 1994 (Wave 2H). The stock holdings question is asked from the so-called "Financial Respondent" in the household, and the unit of observation in the table is a household. The majority of Respondents, 68.1 percent, report not owning any stocks (other than in retirement plans, which are not covered by this question). About one-fifth, 20.3 percent, own stocks and provide an exact value. All other categories require imputation.

[9] Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work ing_papers/WR1150.html)

Table 3. Distribution of Response Types on Stock Holdings (HRS 1994)

	Frequency	Percent
Continuous value	1,431	20.3
Complete bracket	487	6.9
Incomplete bracket	34	0.5
Owns, no value/bracket	111	1.6
No asset	4,803	68.1
Don't know ownership	66	0.9
No financial Respondent	119	1.7
Total	7,051	100.0

Note the last category in Table 3 "No financial respondent." These are cases in which the HRS, for whatever reason, did not interview a Financial Respondent.[10] For those cases, virtually nothing is known about financial issues. The RAND HRS Data contain imputed values for these households, but the user should be aware that these imputations are subject to potentially large errors. They may be identified through flag variables. For example, Table 3 is derived from variable H2AFSTCK ("H2AFSTCK:W2 Asst Flag:Stocks").

In summary, the data contain valid responses and several types of responses that require imputations. In decreasing order of informational content:

- Case 1: We may know a "complete" range of values;
- Case 2: We may know that the household owns the asset (or has the income type), but have no information on its value, or only coarse information in the form of incomplete brackets; or
- Case 3: We may not even know whether the household owns an asset, much less its value.

Alternative Question Sequences

While the majority of income and asset questions follow the pattern described above, there are deviations.

Some questions, particularly income questions in HRS 1992 (Wave 1), do not probe for brackets if the Respondent is unable or unwilling to provide an exact amount. In the data, we classify missing responses in these cases as if there were unfolding bracket questions, but the Respondent refused to provide any range information, i.e., as Case 2 above.

Some interviewers in Wave 1 used so-called range cards instead of the sequence of unfolding bracket questions. This was especially prevalent for questions on the value of primary residence, mortgages, home loans, equity lines of credit, and debt. The range cards contain a list of ranges. For example, a card may have shown $0-100; $100-500; $500-1,000; $1,000-5,000; $5,000-10,000; $10,000 or more. The cards were intended for other purposes but were sometimes used inadvertently when Respondents were unable or unwilling to provide an exact amount.[11] Respondents who were presented a range card had instant knowledge of all cut-off values, as opposed to gradual access in unfolding bracket questions. The cut-off values on the range cards were typically different from those in the appropriate unfolding bracket sequence. We treat responses from range cards in the same way as complete brackets, i.e., Case 1 above. Naturally, we account for the cut-off values on the range cards, even if they are different from those in the unfolding bracket sequence.

[10] In some households, a Financial Respondent was designated, but in fact provided no financial data, perhaps due to a partial interview that ended before the main financial section of the survey was conducted. For some of these cases, house and mortgage information may have been provided but no other wealth or income data was collected in the main income and wealth module which follows the housing module in the survey instrument. For imputation of income and non-housing wealth, cases missing the entire module of financial data are treated as though there is no Financial Respondent.

[11] The Wave 1 interview was face-to-face; subsequent interviews were conducted mostly by telephone. For all subsequent waves, interviews with Respondents 80 years of age or older, as well as initial interviews (for all cohorts and new cohorts), are also conducted face-to-face. Starting with the HRS 2006 wave, about half of the sample is interviewed face-to-face (to facilitate the collection of additional content), and half is interviewed by telephone.

Starting in HRS 1998 (Wave 4), the "entry point" of the unfolding bracket sequence was randomized in questions about assets. In other words, Respondents who were unable or unwilling to provide an exact amount were asked whether the value was more than a certain value, where that value varied across Respondents. The underlying idea was to reduce any response bias that may arise from the value of the entry point ("acquiescence bias"). We ignore the fact that the entry point varied across Respondents and process the resulting information in the same way as in previous waves.

Also starting in Wave 4, interviewers were able to record a new response. For example, suppose the interviewer asked "Is the amount greater than $5,000, less than $5,000, or what?" The potential answers now are "less than $5,000," "about $5,000," and "more than $5,000." In earlier waves, the second response was combined with the first or third response. The additional option is present at each subsequent branch. Where the Respondent indicated that the amount was "about" equal to a certain value, we took that value as an exact response and did not impute anything. However, this is still classified as a complete bracket in the imputation flag variable and not as a continuous amount. We treated range responses in the same way as those in earlier waves.

Finally, some cut-off values of specific asset and income questions changed between waves, as did the entry point. In addition, the way unfolding bracket information is presented in the raw data changes over time, from variables representing the "yes/no" questions through Wave 5, to variables summarizing them as a "minimum/maximum" of the range in Wave 6 forward. This did not affect the resulting response types.

3.2. Imputation Process

The HRS public release files provide imputations for many asset and income types in earlier waves, but the imputation method is not consistent across all waves, and there are no imputations in more recent waves. The RAND HRS data contain imputations of all asset and income types using a consistent method for all waves. Beginning with HRS 2006, RAND has provided the income and asset imputations for the HRS. The RAND HRS data file contains summary measures of income and assets. A more complete and detailed file ("RAND Income and Wealth Imputation File"), containing individual component imputations, is available on the HRS website (http://hrsonline.isr.umich.edu/data /index.html).

As defined previously, there are three types of missing values that require separate types of imputation. Correspondingly, we developed three progressive imputation steps: to impute an exact amount, given that a range is known; to impute a range, given that ownership or only incomplete range is known; and to impute ownership, in case nothing is known. Table 4 illustrates the type of imputation necessary for each type of missing value.

The imputation process is progressive in the sense that we first impute ownership for those for whom nothing is known. Given ownership, we impute brackets. Given brackets, we impute exact amounts. We always use all available information. In particular, where incomplete brackets are known, we impute complete brackets in the given range.

Table 4. Response Types and Required Imputations

Reported Information	Required Imputation
Continuous value	None
Complete bracket	Amount
Incomplete bracket	Bracket, Amount
Owns, no value/bracket	Bracket, Amount
No asset	None
Don't know ownership	Ownership, Bracket, Amount
No financial Respondent	Ownership, Bracket, Amount

3.2.1. Ownership Imputation

To impute ownership, we first estimate a logistic regression model of ownership based on the sample of Respondents with nonmissing ownership information for the asset or income type at issue. The covariates are discussed below. Next, we calculate the predicted probability of ownership for households with missing ownership information. Finally, we draw a random number from a uniform distribution between zero and one. We impute ownership if the predicted probability exceeds the random number and non-ownership otherwise.

The estimation sample varies by asset and income type. For example, a household that reports whether they own their primary residence but does not report whether they own stocks or mutual funds enters the estimation sample for ownership of the former, but not the estimation sample for ownership of the latter.

In some waves and for some asset and income types, ownership is rare and the logistic regression model fits the data poorly. Instead of imputing on the basis of a logistic model, we randomly assign ownership with a probability of ownership found in the nonmissing sample. This is equivalent to fitting a logistic model without covariates. We apply this procedure for assets in waves with fewer than 50 households reporting ownership.

3.2.2. Bracket Imputation

We impute brackets for asset owners and income recipients (imputed and reported) who do not report a continuous value and do not fully complete the questionnaire bracketing sequence on asset or income value. First, we estimate an ordered logit model based on the sample of households who do not report a continuous value but do complete the bracketing sequence. The covariates are discussed below. Next, we calculate the predicted probabilities of being in each bracket for Respondents with missing or incomplete bracket information. For those who partially complete the bracketing sequence, we calculate conditional probabilities based on the range of possible values from their answers. Finally, we draw a random number from a uniform distribution between zero and one and assign a bracket based on a comparison of the random number with the cumulative distribution of range probabilities.

For some asset and income types, notably Wave 1 incomes, no bracket questions were asked. For these items, this step is skipped and we treat the strictly positive dollar range as a single large open-ended bracket.

Beginning in Wave 4, those households who do not report a continuous value at the first opportunity but do give an "about" response during the unfolding bracket sequence of questions are included in the logit model. Probabilities are then estimated for being in each bracket and each cutpoint value. Households imputed to one of the cutpoint values need no amount imputation for that particular component.

For some asset and income types, fewer than 50 households completed the bracket sequence in a certain wave. If this is the case, we follow the same strategy as with ownership in such situations. That is, we impute the bracket using only the marginal probabilities and no covariates. In some rare cases, there is not even enough information in the marginal probabilities, and we skip the bracket imputation and impute amounts directly. This happens when only one complete bracket range is reported (so this would otherwise get probability 1), or when the incomplete bracket range reported is completely outside the range of the reported complete bracket ranges.

3.2.3. Amount Imputation

We impute exact amounts for all cases with (reported or imputed) bracket information. The procedure is different for cases in closed vs. open-ended brackets.[12] For closed brackets, we use a "nearest neighbor" approach; for open-ended brackets, a tobit-based approach. The following discusses the two approaches in turn.

In the nearest neighbor approach for closed brackets, we first estimate a linear regression model based on the sample

[12] A closed bracket has finite cut-off values; an open-ended bracket is, for example, $500,000 or more, so the upper limit is infinite.

of households who report an exact continuous value. The covariates are discussed below. The distribution of asset and income amounts tends to be roughly lognormal, so we would like to apply a logarithmic transformation to the outcome (asset, income) variable. However, some outcomes, such as business income, may be negative. The frequency with which this occurs is very low - too low to allow for a fully flexible model specification.

Instead, we therefore apply the inverse hyperbolic sine transformation[13] and use this as the dependent variable. Next, we compute predicted values for all cases, both with and without exact amounts. For each missing observation in a closed bracket, we find the household that is closest in predicted value, among the households that report an exact amount within that bracket. This is the nearest neighbor. We then impute the actual value reported by the nearest neighbor.

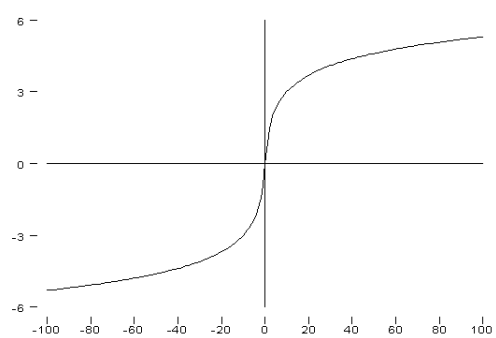
For some asset and income types, fewer than 50 households reported a continuous value in a given wave. In this case, instead of a nearest neighbor from a regression model, a donor household is found using a conditional hotdeck procedure. This can be viewed as a nearest neighbor method without covariates, but because there are multiple households that are equally near (i.e., they all gave continuous answers that fall in the given bracket), one is chosen at random.

Another exception is that sometimes there are not enough donors in the given bracket, where we define "not enough" as being less than two observations. In this case, a value within the bracket is imputed from a lognormal regression model. This is similar to the tobit procedure discussed below, but includes all positive values in the estimation.

In exploratory work, we applied the nearest neighbor method to missing amounts in both closed and open-ended brackets. However, we found that the resulting imputations generated implausible distributions at the top of the distribution. The data contain some outliers which the nearest neighbor approach selects with too high a frequency to be plausible. We therefore developed an alternative approach for open-ended brackets.

For missing observations in open-ended brackets, we estimate a separate model. In essence, we estimate a lognormal regression model. However, as indicated above, the observed distributions differ from the lognormal distribution because there occasionally are negative values, and in general the smaller observed values do not fit the lognormal distribution as well. But we only use this model for imputing values in the upper bracket, so the goal is to approximate the right tail of the distribution closely. Therefore, we first censor observations in the bottom 25 percent of the outcome variable. That is, we keep the information that they are less than the 25th percentile, but not the actual values. This ensures that the values used in the estimation are all positive and that their distribution is close to (censored) lognormal. Based on this sample of nonmissing observations, we estimate a censored regression (tobit) model. The covariates are discussed below. The dependent variable in this model is a logarithmic transformation of the actual amount, and the residuals on this scale are assumed to be normally distributed and homoskedastic. We then compute predicted values of the log-amount for missing observations. To preserve the spread of the distribution of outcomes in the imputations, we add a draw from the residual distribution to this log-amount, and then untransform (exponentiate) the result. The residual distribution is assumed to be normal (with a zero mean and a standard deviation equal to the estimated standard deviation of the residual in the tobit regression model), but truncated from the left to ensure the resulting value is in the top bracket. Note that this truncation point is higher than the censoring point used in the estimation.

[13] The inverse hyperbolic sine transformation is given by $y = ln(Y + \sqrt{Y^2 + 1})$. For positive values of outcome Y, not close to zero, this transformation closely mimics the logarithmic transformation. Only for small amounts, on the order of between -$10 and +$10 is the transformation appreciably different from the logarithmic transformation. The transformation is point-symmetric around zero. It may be graphed as:



If the logarithmic transformation were added to this graph, it would be indistinguishibly close on the north-east quadrant (up to a scale factor).

For some asset and income types, fewer than 100[14] households reported a continuous value in certain waves. If this is the case, we follow an analogous strategy as with ownership and bracket in such a case. That is, we impute the value using only the marginal distribution and no covariates, where the marginal distribution is a truncated lognormal distribution. We implemented this by estimating the aforementioned tobit model, but omitting the covariates, and imputing the value accordingly.

3.2.4. Covariates

The number of model specifications in the imputations is large. There were four waves of data when these methods were initially developed, with well over a dozen asset and income types, and each requires four equations. We experimented extensively with model specifications. On the one hand, we would like to select covariates that predict the outcome variables best. On the other hand, we would like the specifications to be parsimonious and consistent across asset and income types. Consistency across asset and income types caused problems with asset and income types where only small samples were available. In the end, we opted for the same set of covariates in all asset model specifications (ownership, bracket, and amount for all asset types) and another set in the income specifications. The sets are formed by principal components of approximately 30 underlying covariates. For income imputations, the underlying covariates include (transformations of) husband and wife's employment status, education, health status, age, race, marital status, occupation class,[15] cognition, and bequest expectations. For wealth imputations, the same set applies, but excluding employment status and including a number of income amounts (imputed, when necessary) and indicators of pension or government benefit receipt. We found that the first ten principal components resulted in model fits that in most cases were very close to the fit from the larger set of covariates, with very few sample size issues. (The previous sections explained what we do in cases where there are sample size issues.) The set of regressors varies slightly across waves, and the principal component loadings are computed separately for each wave. For example, Table 5 shows summary statistics and loading of the covariates that make up the principal components of the Wave 2 income imputations.

When there is no Financial Respondent, the income variables are not available as covariates for the assets, and therefore a smaller set of underlying covariates is used. To impute these cases, we compute principal components from this more limited set of covariates, and estimate the corresponding imputation models. Thus, this doubles the number of imputation models used.

The imputations using this set of covariates should be satisfactory for many purposes. Comparisons of the resulting distributions of income and assets with distributions from external sources (e.g., asset distributions from the Survey of Consumer Finances) indicate that the income and asset distributions match well. If they differ substantially from distributions in other surveys, the distributions in the HRS often seem to be more plausible. However, the imputations are sometimes less satisfactory for analyses of longitudinal patterns, in particular, asset changes between waves. In particular, when a household reports a "no value/bracket" or "don't know ownership," this method may lead to large changes between waves, more than is to be expected in the population, because the method does not take the correlation (or persistence) across time into account. Therefore, starting with version M of the RAND HRS, we provide cross-wave imputations of asset variables, which take information from adjacent waves into account.

[14] We use 100 here rather than the 50 used for the other models, because the estimates of the tobit models with covariates were still unstable with sample sizes between 50 and 100.

[15] Beginning in Wave 8 (2006), HRS changed the coding of occupation from the 1980 U.S. Census Occupation Codes to those for 2000 (a supplemental file has since been released for Wave 7 (2004) that uses the 2000 U.S. Census Occupation Codes as well). One of the covariates we use in the imputation process is an indicator for whether or not a person's occupation is defined as "professional" (See Table 5, M_PROF and F_PROF). The 1980 codes were collapsed into 17 categories, and determining who was professional was relatively straightforward (See JMW201AM in the HRS 2004 codebook for a list of these categories). Specifically, we defined professionals as anyone in the first two categories (i.e., "Managerial specialty operation," or "Professional specialty operation and technical support").

The 2000 U.S. Census Occupation Codes were used for Wave 7 (2004) to Wave 10 (2010) (a supplemental file has since been released for Wave 10 that uses the 2010 Census Occupational Classification System as well). The 2000 codes were collapsed into 25 categories, which were quite different from the 17 categories produced using the 1980 codes. We determined that the first 11 categories could appropriately be considered professional occupations (see KMW201AM in the HRS 2006 codebook for a list of these categories).

The 2010 Census Occupational Classification System was used for Waves 10, 11 and 12 (2010, 2012 and 2014). The 2010 codes were collapsed into 23 categories, and are not that different from the 25 categories produced using the 2000 codes. Therefore, the first 10 categories were considered professional occupations (see NMW201AM in the HRS 2012 codebook for a list of these categories). In the end, we evaluate all of the information described above regarding occupation when deriving the "professional" covariate.

Table 5. Loadings on the First Two Principal Components (Wave 2 Income Imputations)

			Loadings on		
Variable	Mean	Std. Dev	First comp't	Second comp't	Description
BEQ10	61.54	42.43	0.3163	-0.0648	Probability Bequest $10,000+
BEQ10M	0.0527	0.2234	-0.1277	0.1219	Bequest $10,000 missing
BEQ100	31.80	40.39	0.3008	-0.0415	Probability Bequest $100,000+
BEQ100M	0.0568	0.2315	-0.1208	0.1140	Bequest $100,000 missing
M_COLLEG	0.1533	0.3603	0.2299	-0.0211	Male: College Graduate
F_COLLEG	0.1245	0.3302	0.1500	-0.1255	Female: College Graduate
M_HSGED	0.3966	0.4892	0.1476	0.1601	Male: HS Diploma or GED
F_HSGED	0.5304	0.4991	0.1070	0.0217	Female: HS Diploma or GED
M_EXHLTH	0.3529	0.4779	0.2874	0.0348	Male: Excellent/Very Good Health
F_EXHLTH	0.4283	0.4949	0.2436	-0.0867	Female: Excellent/Very Good Health
M_PRHLTH	0.1747	0.3797	-0.1119	0.2326	Male: Fair/Poor Health
F_PRHLTH	0.2008	0.4006	-0.2311	0.0722	Female: Fair/Poor Health
M_PROF	0.2162	0.4117	0.2557	0.0348	Male: Professional Work
F_PROF	0.2077	0.4057	0.1667	-0.1149	Female: Professional Work
M_WORK	0.4577	0.4982	-0.2311	0.0722	Male: Currently Working
F_WORK	0.4883	0.4999	0.2557	0.0348	Female: Currently Working
M_UNEMP	0.0202	0.1407	0.1667	-0.1149	Male: Unemployed
F_UNEMP	0.0214	0.1446	0.2506	-0.0675	Female: Unemployed
M_DISAB	0.0923	0.2895	0.1314	-0.2130	Male: Disabled/Temp Laid Off
F_DISAB	0.9665	0.2955	-0.0131	-0.0057	Female: Disabled/Temp Laid Off
M_RETIR	0.2014	0.4011	-0.0316	-0.0436	Male: Retired
F_RETIR	0.0978	0.2971	-0.1175	0.1382	Female: Retired
AGE	58.68	4.85	-0.2017	0.0259	Age of Oldest Partner
AGESQ	3466.35	580.17	0.0737	0.3712	Squared Age of Oldest Partner
SINGLFEM	0.2308	0.4214	0.0301	0.1841	Single Female Financial Respondent
MARRIED	0.6722	0.4694	0.0163	0.4601	Married Couple
NONWHITE	0.2914	0.4544	0.0161	0.4618	Non-White Financial Respondent
MISSCOGN	0.0906	0.2871	-0.2655	-0.3032	Missing Cognition Score
LOWCOGN	0.2804	0.4492	0.2819	0.2625	Low Cognition Score

The cross-wave imputations add a few covariates to the models: In addition to the 10 principal components, we include the (inverse hyperbolic sine of) the value of the asset in the previous wave and the (inverse hyperbolic sine of) the value of the asset in the next wave. If there is a strong persistence in asset values over time, including these past and future values should capture this, and lead to imputations that show smoother patterns across time. If in the adjacent wave, the asset is not owned, we include zero as its value, and we include dummies for whether the household owns the asset in the previous and next wave. Changes in marital status (where we treat cohabitation the same as marriage, as is usual in the HRS) have potentially large effects on wealth, and therefore, in this case, wealth changes should be less smooth. Therefore, we also include a set of dummies for such changes: divorce or separation, death of the spouse/partner, or remarriage/new partnership. There is one set for changes between last wave and the current wave and one set for changes between the current wave and the next wave. See Hurd et al. (2016) for details of the definitions.[16]

If the household did not report a continuous value (or a no asset response) in an adjacent wave, we have a missing covariate, and thus we cannot impute the value for the current wave. To solve this problem, we first compute cross-sectional imputations (i.e., without the cross-wave information) for each household, and then use the cross-sectional imputation of the adjacent wave as the covariate in the current wave. However, for households for which we have no adjacent wave

[16] Hurd, M. D., E. Meijer, Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work ing_papers/WR1150.html)

information, this still does not solve the issue. This happens when a household enters the sample (the first wave a cohort is entered); in the latest wave (in Wave 11); or when a household did not participate in a wave. For imputing these cases, we use imputation models that include the cross-wave information from only the previous wave or only the next wave, whichever is applicable. If neither previous nor next wave information is available for a household, we use the cross-sectional imputation.

In principle, all imputation models are wave-specific. That is, principal components are computed for each wave separately, and coefficients of the covariates in the imputation models are computed for each wave separately. However, the number of marital status changes is typically too small to estimate the coefficients of these dummies with enough precision in each wave separately. Therefore, we use all waves jointly to estimate these coefficients. That is, we estimate wave-specific coefficients for all covariates except the indicator variables for the change in marital status.

3.3. Asset Verification

After a successful experiment in 2001, described in Hill (2006)[17], the HRS added the asset verification section (section U; also called asset reconciliation section) to the questionnaire in 2002. Whenever there is a large discrepancy, defined as more than $50,000, between an asset value in the previous wave and the value of the same asset in the current interview, the Respondent is asked to verify, or correct when necessary, the asset values in the previous and current wave. The idea behind this is that large changes in asset values are rare and therefore, if we see them in the data, there may have been a reporting error or data entry error, which we want to correct. The Respondent is only asked these verification questions if the same (financial) Respondent reported the asset in both waves and total wealth differs by more than $150,000. The former is for disclosure reasons and the latter is to avoid flagging portfolio rebalancing (e.g., selling stocks and buying bonds instead).

In HRS 2002 and HRS 2004 (Waves 6 and 7), Respondents were asked about at most three assets in the asset verification section. From 2006 onward, Respondents could potentially be asked about all assets that were checked in this section, although it does not happen often that a Respondent is asked to verify more than a few assets. There are other changes between waves, for example in the preloaded information from the previous wave and how it is used. See Hurd et al. (2016) for the details.[18]

Starting with version M, the RAND wealth measures take corrections from the asset verification section into account. These corrections precede the imputations. First, corrections for the current wave are implemented. Then, corrections of the previous wave's value are evaluated. If the asset was not asked about in the previous wave's asset verification section, then we implement the correction of the previous wave's value. If the asset was also asked about in the previous wave's asset verification section, we generally use the result from the previous wave's asset verification section (the contemporaneous one). However, we inspect all cases where the results from the previous wave's asset verification section and the current wave's asset verification section differ by more than a factor of 9 to catch gross errors, in particular accidental errors in the number of zeros.

The corrections from the asset verification section occasionally lead to some complications, such as inconsistent data that cannot occur in the main questionnaire because of the main questionnaire's skip patterns, and complications with the implementation of the imputation methods. An example of the former is that the main questionnaire has a branch of questions in case the primary residence is a mobile home, and another branch of questions if it is another type of dwelling. In some cases the corrections from the asset verification section lead to the household having a number in both branches. We check all such cases and determine what is the most reasonable way to interpret the data and then make it consistent with the logic of the (main) questionnaire. An example of a complication with the imputations is where unfolding bracket thresholds are not always the same. See Hurd et al. (2016)[19] for the details and how we dealt with these issues.

[17] Hill, D. H. (2006). Wealth dynamics: Reducing noise in panel data. *Journal of Applied Econometrics, 21*, 845-860

[18] Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work ing_papers/WR1150.html)

[19] Ibid.

3.4. Substantive Differences Across Waves

In addition to survey-technical changes between waves and the introduction of the asset verification section, there have been a few changes that may affect the comparability of asset values across waves. We discuss the most important changes.

Notable Differences between Waves HRS 1992 (Wave 1) and HRS 1994 (Wave2)

Net value of vehicles: Wave 1 includes a measure of the value of a recreational vehicle or motor home in the Housing Section and a measure of the value of other vehicles in the Asset Section. We separately imputed these values and summed them. For Wave 2, the two components are incorporated into one measure of the net value of vehicles in the Asset Section.

Notable Differences between HRS 1994 (Wave 2) and HRS 1996 (Wave 3)

Asset income: In Waves 1 and 2, asset ownership and value were asked in the Asset Section, whereas income from assets was asked separately in the Income Section. Starting in Wave 3, income from asset questions were incorporated in the Asset Section. For example, if the Respondent indicated owning stocks, the interviewer followed up with a question about dividends. This increased the response rate for asset income. Assuming that this increases the quality of responses, it also improves the accuracy of our asset imputations, because asset income is an explanatory covariate of our imputation model.

Net value of IRA/Keogh accounts: In Waves 1 and 2, Respondents were asked to report the total value of all Individual Retirement Account (IRA) and KEOGH accounts. In Wave 3, separate questions were asked about the largest, second largest, and all other accounts.

Notable Differences between HRS and AHEAD (Waves 2 & 3)

HRS 1994 and AHEAD 1993 (Wave 2)

AHEAD 1993 has a very different structure than HRS 1994. With the exception of Social Security benefits, SSI and food stamps, Respondents are expected to specify the types of income received. For example, they are asked if they have "any regular income," and if so, they are asked to identify the source. So there are no specific questions such as "Do you receive any income from pensions?" However, they can describe up to 4 regular incomes per partner, and up to 3 household investment incomes. The result is many separate components for those combined in other waves, such as stock income and veterans' benefits. Specific question wording differences are described in the "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

HRS 1996 and AHEAD 1995 (Wave 3)

The structures of HRS 1996 and AHEAD 1995 are very similar. However, there are several notable differences. These are outlined under the "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

Notable Differences between HRS 1998 (Wave 4), HRS 2000 (Wave 5) and HRS 2002 (Wave 6)

The structures of Waves 4, 5, and 6 are very similar. Any important differences are specified under "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

Notable Differences between HRS 1998 (Wave 4) through HRS 2002 (Wave 6) and HRS 2004 (Wave 7) and later

The structures of questions from Wave 7 forward are very similar to those in Waves 4 to 6. However, Waves 7 and later no longer ask for income from trusts and alimony specifically. One can assume that these types of income would now

be reported with non-specific other income. We have looked at this for cases that previously did report alimony or trust income, and found that other income did not increase as one might expect.

Notable Differences between HRS 2000 (Wave 5) and HRS 2002 (Wave 6) and later

In Wave 5, Respondents who are 65 years of age or older, and report not working for pay in the last calendar year, skip the questions about income from unemployment and worker's compensation. Respondents who are younger than 65 years of age, on the other hand, are asked both sets of questions, even if they are not working. From Wave 6 onward, the same pattern is true for Respondents who are 65 years of age or older. However, those who are younger than 65 years of age, and report not working for pay in the last calendar year, are asked the questions about income from unemployment, but skip those related to worker's compensation.

Notable Differences between HRS 2006 (Wave 8) and HRS 2008 (Wave 9) and later

Business assets reported earlier in the interview: Beginning in Wave 6, after the value of business or farm assets is collected, a question (Q492) asks whether these assets were reported previously in the interview. Beginning in Wave 9, a follow-up question was added which asks Respondents to indicate what percentage was previously reported (Q523). For example, in Wave 9, about 30% of business owners indicate that they had reported their business wealth as either primary residence (which could be a farm or ranch), secondary residence, or other real estate earlier in the interview (Q492 = yes), and of these, most say that all of the business asset was previously reported (Q523 = 100%). These two variables are available in the RAND Income and Wealth Imputation File for the convenience of the analyst, and can be used for adjusting total wealth to reflect the amount of wealth that is twice reported. We do not use these two variables in the imputations or derivations of any of the variations on total wealth.

Housing loan question wording: In the housing section, there is a series of questions about whether the Respondent has "...a mortgage, land contract, second mortgage, or any other loan that uses the property as collateral." In Wave 9, the qualifier "Do not include reverse mortgages" was added.

Notable Differences between HRS 2008 (Wave 9) and HRS 2010 (Wave 10) and later

Food stamps: The questions asking about number of months receiving food stamps changed in Wave 10. Specifically, questions are only asked for up to four "eligible years." For example, a person interviewed in 2011 and 2008 is asked questions about food stamp receipt in 2008, 2009, 2010, and 2011. Prior to Wave 10, Respondents can report on food stamp receipt for several years prior to the current interview year.

Income from annuities: Beginning in Wave 10, Respondents who report receiving income from annuities, but a value of "0" is indicated for the amount received last month (which indicates that payments have not started yet, or the Respondent did not receive a payment last month) are asked a new sequence of questions about any income they may have received from those annuities last year. Similar questions are asked of spouses/partners. No unfolding bracket questions are asked.

References

Hill, D. H. (2006). Wealth dynamics: Reducing noise in panel data. *Journal of Applied Econometrics, 21*, 845-860.

Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging (http://www.rand.org/pubs/work ing_papers/WR1150.html).

4. Poverty Threshold Definitions and HRS Measures

The RAND HRS Data file includes a measure of poverty for beginning in Wave 6 (2002). We use the poverty threshold levels from the U.S. Census Bureau (http://www.census.gov/hhes/ww w/poverty/threshld.html) and family composition to determine the poverty threshold that applies to an HRS family. We then compare the HRS family income to the appropriate poverty threshold. The methods used by the U.S. Census Bureau to measure poverty are outlined at https://www.c ensus.gov/hhes/www/poverty/about/overview/measure.html. These are normally applied to CPS data to arrive at national poverty rates. The two key definitions for applying these methods to HRS families are income and family composition.

The family composition depends on the number of resident family members, the number under 18, and the age of the head of household if there are one or two in the family. People living in institutions, such as nursing homes and college dormitories, are not included when counting resident family members.

Income includes before-tax income from:

- earnings, unemployment, workers' compensation
- Social Security, SSI, public assistance, veterans' benefits
- pension and retirement income
- interest, dividends, rents, royalties, income from estates and trusts
- educational assistance
- alimony, child support
- assistance from outside the household
- other sources
- income of all resident family members

Income does not include:

- noncash benefits, e.g., food stamps
- capital gains and losses

We assume that educational assistance and other sources would have been reported as "other income" in the HRS, but it is likely that at least some assistance from outside the household may not be included in any of the HRS income categories.[20] The HRS total household income, e.g., as calculated in H6ITOT on the RAND HRS, less food stamps would seem to be close to the Census definition of income, with the exception of income from resident family members besides the Respondent and spouse. Note that RAND HRS total household income is for the last calendar year, e.g., 2001 for income reported at the 2002 interview and 2003 for income reported at the 2004 interview.

Questions ask about the income of resident family members, including the earnings of each and total non-job income of them all. With these questions, we can estimate income of all resident family members, which is not included in HwITOT.

[20] Notably the HRS question wording for "other income" specifically excludes income from family and friends. The Census definition of assistance from outside the household indicates that this includes "periodic payments people receive from non-household members. This type of assistance excludes gifts or sporadic assistance." HRS questions on income transfers from children do not specify whether the amounts are periodic or sporadic, so we have decided not to include these in the income used to determine poverty threshold.

4.1. Method

We construct a poverty status variable to be consistent with that produced using the Census definitions, within the limitations of the HRS data, as follows:

1. Make household resident observations from the work and earnings questions, identified by sub-household ID and OPN.
2. Merge with the household member/child roster.[21]
3. Keep people who are resident and related to the Family Respondent (FamR) or spouse. This includes current and ex-relations (codes=3-19, 27, 28, 30, 31, 33, 90, 91) who have a status code indicating residency (=1).[22] Please see "Summary of Data Issues" later in this section for a discussion of residents who are away, and income year versus residence year.
4. Impute non-core household member income, including earnings and non-job income. The method used for these imputations is described below ("Imputing Household Member Income").
5. Count # of residents and residents under 18[23] by sub-household.
6. Merge with core data, including imputed income, whether a couple, and age(s) of Respondents.
7. Adjust the number of household members by the number of core HRS in the family (one or two).
8. Assign family to a Census category to retrieve the appropriate poverty threshold. Use age of the only, or male, non-institutionalized HRS Respondent to determine if head is 65 or older in one- or two-person households.[24] The family category is provided on the file, as is the corresponding poverty threshold.
9. Adjust family income. The adjusted family income is provided on the file.
   (a) Starting with HwITOT, subtract food stamps.
   (b) Add in earnings for all non-core residents.
   (c) Add in total non-job income for non-core family residents.
10. Compare family income[25] to poverty threshold for the family to determine:
    (a) Whether below the poverty level (0=No and 1=Yes)
    (b) Ratio of family income to poverty threshold.

Both these measures are provided on the file.

[21] There are some household residents from the income section that do not appear on the roster. Of the 9 residents in 2002, 5 have the OPN 997 (not available this release), and 4 have normal looking OPNs. In 2004, there are 5 such cases with normal looking OPNs. Since we cannot determine relationship for these people, we drop their income and do not count them as resident family members.

[22] We assume the household member is non-resident if the status code is missing, and non-family if the relationship code is missing.

[23] If the birth year of a resident family member is missing we use logical imputation to determine whether s/he is 18 or older. Among those not missing birth year in 2002, those working or married are 18 or older 94% and 98% of the time, respectively. So those who are working, married, with a move date 18 years prior to the interview, or with a relationship of sibling or parent are assumed to be 18 or older. Grandchildren who are not working or married are assumed to be under 18. For the remaining cases still missing, we used the skip pattern for the work question, which was not asked for those under 16 years old. We assumed that those missing whether worked are under 16, and hence, under 18.

[24] We ran a version using age of Financial Respondent instead. This did not make a difference in poverty status, but does have some impact on the family category. Note that it is also possible that one of the non-core family residents would be considered "head" by the CPS.

[25] A few hundred 2002, 2004, 2006, 2008, 2010, 2012 and 2014 interviews are actually conducted in 2003, 2005, 2007, 2009, 2011, 2013 and 2015 respectively, and thus report 2002, 2004, 2006, 2008, 2010, 2012 and 2014 income. If the Financial Respondent's interview year is 2003, 2005, 2007, 2009, 2011, 2013 or 2015, we use the CPI to adjust income to 2001, 2003, 2005, 2007, 2009, 2011 or 2013 dollars, as appropriate, before doing the comparison.

4.2. Summary of Data Issues

Income year versus residence year: Income measures are from the last calendar year, e.g., 2001, but family composition is from the interview year, e.g., 2002. At this time, we use the family composition as is reported in the household roster at the time of the interview, but use last calendar year as the reference year for income, poverty thresholds, and ages of household members.

Residents who are away and HRS core living in a nursing home: The CPS definition does not include family members who are living in an institution. We provide two sets of poverty status variables, one in which we are consistent with the Census definition and exclude institutionalized family members, and another where we include them. In both versions we do include family members temporarily away, as this is consistent with the CPS samples. Specifically the two versions of the poverty variables differ as follows:

1. *CPS-consistent version*: We do not count core HRS Respondents who live in a nursing home at the time of the interview, and we further adjust total household income by subtracting their individual income. In HRS households where all core Respondents are institutionalized, all the poverty measures are set to missing. We also do not count or add in the income of non-core residents who have a status of "away in an institution." If this leaves no non-core family residents, we exclude any other family member income.

2. *Version including institutionalized family members*: In this version we count all core HRS Respondents (including non-responding spouses in couple households) and include their income in the total for the household. We also count non-core family residents who are away in an institution and include their income.

4.3. Variables Included on the File

At this time, these variables are only constructed for Respondents beginning in Wave 6. The variables are all constructed at the household level and merged back to HRS Respondents:

Description	CPS-Consistent Variable, excludining institutionalized family members	Version including institutionalized family members
Whether family income is below the poverty threshold	HwINPOV	HwINPOVA
Ratio of family income to poverty threshold	HwINPOVR	HwINPVRA
Poverty threshold for the family in prior year (i.e., 2001 for Wave 6 and 2003 for Wave 7)	HwPOVTHR	HwPVTHRA
Family composition used to determine poverty threshold	HwPOVFAM	HwPVFAMA
Adjusted family income compared to the poverty threshold[26]	HwPOVHHI	HwPVHHIA

In addition we include HwNHMLIV, which summarizes the nursing home residence of the core HRS Respondents:
0 = none reside in a nursing home
1 = one of a couple resides in a nursing home
2 = both in a couple reside in a nursing home

[26]These variables reflect the CPI adjustment to 2001 (2003 for W7 , 2005 for W8, 2007 for W9, 2009 for W10, 2011 for W11, or 2013 for W12) dollars if the interview was conducted in 2003 (2005, 2007, 2009, 2011, 2013 or 2015), i.e., if the income reported is for 2002 (2004, 2006, 2008, 2010, 2012 or 2014).

3 = the household is a single-Respondent who resides in a nursing home
For cases with codes of 2 or 3, the CPS-consistent measures are set to a SAS special missing value (.I, for institutionalized).

4.4. Imputing Household Member Income

We impute earnings and non-job income for non-core resident household members who are related to one of the HRS Respondents. In the income section Questions (where "[x]" is the interview-specific variable prefix, i.e, H, J, K, L, M, N, and O for 2002, 2004, 2006, 2008, 2010, 2012, and 2014 respectively) ask whether each household resident, 16 or older (OPN=[x]Q431), works ([x]Q432), and if so, how much income was earned in the last calendar year:

> [x]Q433: About how much money did ([Person Name]) earn from all jobs in ([LCY_A][27]), before taxes and other deductions?

There is also a question about total non-job income of all resident family members:

> [x]Q437: Not including job income, about how much in total did other members of your family living (here/there) receive in ([LCY_A]) from Social Security, pensions, welfare, interest, gifts, or anything else, (before taxes and other deductions)?

Both questions collect a continuous value and, if missing, unfolding bracket values.

We used the same methods used to impute income and wealth to impute these income measures, described elsewhere in this document.

Earnings are imputed if missing for resident household members at least 16 years old and related to one of the HRS Respondents in the household. Imputations are done at the household member level, separately for single and couple HRS households.[28]

If the family member is under 16 or not working, we assume no earnings if missing. For the remainder, ownership is determined by whether the family member is working. If whether working is missing we impute ownership. We then impute complete brackets for cases with missing or incomplete brackets, and finally, we impute earnings.

Total non-job income of resident family members is imputed if missing for all households with any resident family members, including those temporarily away, regardless of whether in an institution or not. One value is reported or imputed for each household with resident family members. Thus these imputations are done at the household level.

Among the continuous values reported, about 60% report a zero for this type of income in Wave 6. We assume no ownership if zeros are reported, and ownership if a value over zero is given or if any bracket information indicating a range (complete or incomplete) is provided. If the value is missing and no unfolding bracket questions are answered, we impute ownership. We then impute complete brackets for cases with missing or incomplete brackets that have, or have been imputed to have, this type of income. Based on these complete brackets, a continuous value is imputed.

The covariates used for these imputations include HRS core measures: total household income (HwITOT), total household assets (HwATOTA), and age(s), health, education, race, and work status of HRS core Respondents. Other covariates include the number of resident family members under and over 18 years old and their mean age. In the earnings imputations, additional covariates reflecting the household member's age, sex, marital status, and relationship are also included.

[27] "LCY_A" is last calendar year relative to the interview year.
[28] HRS income tends to be lower, and household member income higher, in single compared to couple households. This may indicate that HRS singles with other household residents are parents moving in with their children, whereas HRS couples are taking in adult children.

5. Social Security and SSI Disability Episodes

The HRS collects information on whether Respondents have applied for and received benefits from various disability programs, including Social Security, Supplemental Security Income, Veterans' benefits, and workers' compensation. We have developed a set of variables that represent multiple episodes of application and receipt of Social Security (SSDI) and Supplemental Security Income (SSI) disability over the panel.

SS disability is available only if the Respondent has contributed long enough to be eligible. SSI disability can be awarded on the basis of income, without the same contribution required for Social Security eligibility. A disabled person may receive benefits from both programs. The normal process begins with application to the disability program. If denied benefits, one can then appeal the decision or re-apply. Benefits may be awarded either after the original or re-application or the application can be rejected. And finally benefits may stop, or in the case of SSDI, transition to old-age benefits.

Each application process is considered an episode in developing these variables from the information provided by HRS. The HRS collects information on the steps outlined above and on when each step is initiated and when the benefits stop. An episode may begin in one wave and be continued over several subsequent waves, for as long as the Respondent receives benefits. The process is initiated at most ten times in the HRS from 1992 through 2004. There are differences in wording and content across waves that are described in more detail under "Cross-Wave Differences" for these variables in the codebook.

Note that we observe the process only at interviews. It is possible that what we see is incomplete because the interview questions do not capture all the details. For example, if a person reports receiving benefits at one wave, and still receives at the next, we assume the benefits arise from the same application, and in some cases the same program. But it is possible that the benefits being received are from a different one. There are questions about new applications since the last interview, even if a Respondent reports still receiving benefits from a prior wave, but we do not attempt to untangle whether a new application is related to the benefits reported as continuous. We assume it is different and begin another episode.

These variables are developed using information found in the Disability section of the HRS. There are about 130 cases with at least one illogical sequence of dates. There is additional information in the Income section regarding SSI and Social Security income that could be used to further inform these data, but we do not consider it in this version. Specifically, we have noticed that if a Respondent reports receiving Social Security disability (SSDI) in the Disability section, they sometimes do not report receiving Social Security disability (SSDI) in the Income and Assets section. Similarly, sometimes the Respondent reports receiving Social Security disability (SSDI) in the Income and Assets section, but not in the Disability section. Therefore, beginning in Wave 9, a new variable (RADISABF) has been derived to document and explain these differences, which can be found in Section E: Social Security.

5.1. Program Type

The HRS questions about Social Security and SSI disability combine the two programs in interviews before 2000. Beginning in 2000, the questions ask about these programs separately. If a person is receiving benefits at their previous interview, they are asked in 2000 which program provides them. If they report receiving from only one program, the active episode is assigned a type of either SSDI or SSI as appropriate. If a person reports receiving benefits from both programs, we duplicate the active episode and assign one as SSDI and one as SSI, before updating with 2000 information. Information about any new applications is collected separately and each new application begins a separate episode. We cannot identify which program was involved for episodes that end before 2000. These episodes are assigned an ambiguous program type.

In 2002, a person receiving benefits in 2000 is again asked which program provides them. If the program types are reported as the same at both interviews, we update the appropriate episode accordingly. If a person receives benefits from both programs in 2000 and 2002, the two active episodes are updated separately. In some cases Respondents appear to change programs from 2000 to 2002, e.g., reported receiving benefits from SSI in 2000 but from SSDI in 2002 without a new

application. The 2002 benefit is treated as a continuation of the 2000 one, and the type of program is flagged as ambiguous. If a person reports receiving benefits from both programs in 2000 but only one in 2002, we end the episode for the program that is omitted. If a person reports receiving from only one program in 2000 but from both programs in 2002, we duplicate the active 2000 episode and update both with 2002 information. Similar methods are applied to episodes continued across waves in later waves as well, e.g., in 2004 for episodes continued from 2002.

5.2. Episode Status

The normal sequence of steps entails application, and if denied, possibly re-application or appeal, award and receipt of benefits, the end of benefits, application rejected, and benefits not awarded. The most common states of an episode at the end of an interview are receiving, stopped receiving benefits, and not awarded, in that order. A status of applied or appealed/re-applied indicates that a Respondent is last observed with a pending application for the episode. An episode with a status of applied, appealed/re-applied, receiving, or not awarded is considered active, and may be updated with information from subsequent interviews.

A status of not awarded does not necessarily mean the application has been rejected, especially in earlier waves. The specific language of a rejected application is introduced for new applications in 1998. Indeed, cases are observed who report that benefits were not awarded but then say they are still receiving benefits at the next interview and indicate a receive date between interviews. Prior to 1998, it appears that most cases that reported any disability activity at the previous interview are asked if they are still receiving benefits even if they never reported being awarded benefits.

Information in interviews subsequent to the application may inform the status. If a Respondent denies receiving benefits and the status at the previous interview indicates the Respondent had not reported receiving benefits, we assume the application was rejected. Similarly if the Respondent says no to still receiving benefits but had not previously reported being awarded them, we assume the application was rejected, but with a different status, as there is the possibility benefits were received for a short time. If a Respondent denies receiving benefits, and had previously reported that benefits had stopped, the denial confirms the prior situation. If the denial is after a stop that was reported without having ever reported receiving, we assume the application was rejected, i.e., that benefits were never received.

In some cases an episode is unresolved, i.e., there is an active episode, but the thread is dropped. That is, either no information about whether they are still receiving is given, and a new application is begun, or a Respondent indicates having active episodes for both programs but at the next wave indicates only one. These episodes are given an illogical ending status that indicates what the status was when the thread was dropped.

In some cases it is possible that the appropriate follow-up questions at the next interview are not asked and the episode is thus left somewhat in limbo. These episodes may appear to be still active since no further activity is observed.

5.3. Episode Dates

Dates of application, re-application or appeal, benefit receipt start, and stop are collected for each episode. They are provided in the raw data as month and year. If the date is missing, we attempt to provide an estimated date. The process of estimating a date entails identifying the upper and lower bounds within which the date may fall. For instance, the upper bound for when the Respondent started receiving benefits would be set based on a stop date if given or current interview date, and a lower bound would be based on application or appeal date. Lower and upper bounds for each applicable step are determined. The lower bounds for applications, particularly the first, look at dates of disability, including when the disability began to interfere with work, when a Respondent reports a disabled employment status, and last month worked. To be used a date must come before any determined upper bound. If none of these is available and before the upper bound, we use a lower bound set to age 18, or, if this does not fit, birth date. The estimated date is set to the midpoint between the lower and upper bounds.[29]

[29] The RAND HRS Data file does not include the lower and upper bound dates used to derive the estimated date. Please contact us if you would find these dates useful; we can provide them in a separate file.

Estimated dates are adjusted to ensure that they occur in the expected order, e.g., applications occur before appeals and receipt of benefits and receipt of benefits occurs before they stop. If the originally given month and year, or just year is valid, we do not adjust outside the given information. In some cases the dates will seem illogical, because that is the way they were reported. There are about 130 cases with at least one illogical sequence of dates.

5.4. Variables

The disability variables we have developed include the dates of application, re-application or appeal, start of benefits, and when benefits stop. Each application begins a new episode, with its own set of dates and its own status. For each date, we provide the month and year as presented in the data, recoded for missing values, and a "best-guess" date which is stored as a SAS date. From the month and year, the analyst can tell how much information was originally provided. The specific variables are listed in Table 4. While 10 episodes are possible, the maximum observed number of episodes is nine, and therefore only nine episodes will be listed in the section.

The variables begin with "RA" because they are not wave-specific. If they are specific to a particular episode they end with a number, indication the sequence of the episode. The second to last character of the date variables is "M" for month, "Y" for year, and "D" for SAS date.

We continue to include the disability variables previously provided in the RAND HRS data; these indicate if any of the steps, except stopping benefits, has ever been reported, and if so the earliest date. From Wave 5 forward, a variable with the amount being received has also been added. Amount received is not available before Wave 5.

Table 6. Disability Episode Variables

Measure	Description	Variables
Number episodes	Count, at most nine as of Wave 9	RADNEPI
Application date	Month Year "Best-guess" SAS date	RADAPPM1 to RADAPPM10 RADAPPY1 to RADAPPY10 RADAPPD1 to RADAPPD10
Appeal or Reapply date	Month	RADREAM1 to RADREAM10
	Year	RADREAY1 to RADREAY10
	"Best-guess" SAS date	RADREAD1 to RADREAD10
Receive date	Month	RADRECM1 to RADRECM10
	Year	RADRECY1 to RADRECY10
	"Best-guess" SAS date	RADRECD1 to RADRECD10
Stop date	Month	RADENDM1 to RADENDM10
	Year	RADENDY1 to RADENDY10
	"Best-guess" SAS date	RADENDD1 to RADENDD10
Type	1=SSDI 2=SSI 3=DK which 4=SSDI/SSI at different waves	RADTYPE1 to RADTYPE10
Current Status	Indicates if applied, receiving, stopped receiving, or illogical ends	RADSTAT1 to RADSTAT10

6. Structure of Codebook

The Appendix contains the codebook documenting all variables in the RAND HRS Data. This section explains how to interpret the codebook entries. The figure below shows a typical codebook page; the numbers in circles correspond to comments below.

Current Marital Status: Current Partnership Status (1)

Wave	Variable Name	Variable Label	Type
1	R1MPART	R1MPART:W1 R partnered	Categ
2	R2MPART	R2MPART:W2 R partnered	Categ
3	R3MPART	R3MPART:W3 R partnered	Categ
4	R4MPART	R4MPART:W4 R partnered	Categ
5	R5MPART	R5MPART:W5 R partnered	Categ
6	R6MPART	R6MPART:W6 R partnered	Categ
7	R7MPART	R7MPART:W7 R partnered	Categ
8	R8MPART	R8MPART:W8 R partnered	Categ
9	R9MPART	R9MPART:W9 R partnered	Categ
10	R10MPART	R10MPART:W10 R partnered	Categ
11	R11MPART	R11MPART:W11 R partnered	Categ
12	R12MPART	R12MPART:W12 R partnered	Categ
1	S1MPART	S1MPART:W1 S partnered	Categ
2	S2MPART	S2MPART:W2 S partnered	Categ
3	S3MPART	S3MPART:W3 S partnered	Categ
4	S4MPART	S4MPART:W4 S partnered	Categ
5	S5MPART	S5MPART:W5 S partnered	Categ
6	S6MPART	S6MPART:W6 S partnered	Categ
7	S7MPART	S7MPART:W7 S partnered	Categ
8	S8MPART	S8MPART:W8 S partnered	Categ
9	S9MPART	S9MPART:W9 S partnered	Categ
10	S10MPART	S10MPART:W10 S partnered	Categ
11	S11MPART	S11MPART:W11 S partnered	Categ
12	S12MPART	S12MPART:W12 S partnered	Categ

(2) (3) (4)

(5) **Descriptive Statistics**

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MPART	12652	0.03	0.17	0.0	1.0
R2MPART	19642	0.02	0.14	0.0	1.0
R3MPART	17991	0.02	0.14	0.0	1.0
R4MPART	21384	0.03	0.16	0.0	1.0
R5MPART	19579	0.03	0.16	0.0	1.0
R6MPART	18165	0.02	0.16	0.0	1.0
R7MPART	20129	0.03	0.18	0.0	1.0
R8MPART	18469	0.03	0.18	0.0	1.0
R9MPART	17217	0.03	0.18	0.0	1.0
R10MPART	22034	0.05	0.22	0.0	1.0
R11MPART	20554	0.05	0.23	0.0	1.0
R12MPART	18748	0.05	0.22	0.0	1.0
S1MPART	9900	0.04	0.19	0.0	1.0
S2MPART	13088	0.03	0.16	0.0	1.0
S3MPART	11915	0.03	0.16	0.0	1.0
S4MPART	13978	0.03	0.18	0.0	1.0

S5MPART	12730	0.04	0.19	0.0	1.0
S6MPART	11639	0.03	0.18	0.0	1.0
S7MPART	12972	0.04	0.21	0.0	1.0
S8MPART	11735	0.05	0.21	0.0	1.0
S9MPART	10646	0.05	0.22	0.0	1.0
S10MPART	13513	0.08	0.27	0.0	1.0
S11MPART	12488	0.08	0.27	0.0	1.0
S12MPART	11031	0.08	0.27	0.0	1.0

6 Categorical Variable Codes

Value	R1MPART	R2MPART	R3MPART	R4MPART	R5MPART	R6MPART	R7MPART
0.No	12267	19234	17605	20833	19059	17715	19479
1.Yes	385	408	386	551	520	450	650

Value	R8MPART	R9MPART	R10MPART	R11MPART	R12MPART
0.No	17851	16619	20867	19439	17749
1.Yes	618	598	1167	1115	999

Value	S1MPART	S2MPART	S3MPART	S4MPART	S5MPART	S6MPART	S7MPART
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	9534	12723	11608	13497	12265	11234	12391
1.Yes	366	365	307	481	465	405	581

Value	S8MPART	S9MPART	S10MPART	S11MPART	S12MPART
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11182	10122	12479	11501	10147
1.Yes	553	524	1034	987	884

7 How Constructed

Marital status RwMSTAT indicates partnership, that is, living with a partner who is not R's spouse. In addition some cases report an unmarried status but have a partner in the same household. Another living individual with the same HHID and sub-household ID on the Tracker file or in the core data indicates the presence of a partner when R gives an unmarried status. From Wave 4 forward, the "coupleness" code in the Cover Sheet section can also indicate a partnership. RwMPART indicates the presence of a partner regardless of the RwMSTAT code.

The spouse variable SwMPART is taken from the spouse's data for Wave "w." In some cases, the spouse and Respondent disagree as to whether they are married or partnered, so RwMPART and SwMPART are not always the same in a given wave. SwMPART is set to .U if R is unmarried and unpartnered or .V if R's spouse or partner did not respond in a given wave.

8 Cross Wave Differences in Original HRS Data

Partnership is indicated by a marital status code in Waves 1 to 3H. From Wave 4 forward, it is indicated by a separate Cover Sheet section variable.

Partnership can also be indicated by a non-married status when the household is a couple rather than single in any wave.

Beginning with Tracker 2002.V2 the surviving spouse sometimes retains the spouse PN of the deceased Respondent. In previous versions of Tracker this was not the case.

9 HRS Variables Used

```
HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
HRS 1994:
    W200            A1. Marital Status
AHEAD 1995:
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E256A           MARRIAGE STATUS - CORRECTED
HRS 1998:
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F546            CS15D.CURRENT COUPLENESS
    FMARSTP         HRS 98: Marital Status (w/ partnered)
HRS 2000:
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G597            CS15D.CURRENT COUPLENESS
    GMARSTP         HRS 00: Marital Status (w/ partnered)
HRS 2002:
    HMARITAL        MARITAL STATUS
    HMARSTP         HRS 02: Marital Status (w/ partnered)
    HPN_SP          2002 SPOUSE/PARTNER PERSON NUMBER
    HSUBHH          HRS 2002 SUB-HOUSEHOLD ID (Char)
    HX065_R         COUPLENESS STATUS - UPDATED
HRS 2004:
    JPN_SP          2004 SPOUSE/PARTNER PERSON NUMBER
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
    JX065_R         COUPLENESS STATUS - UPDATED
HRS 2006:
    KPN_SP          2006 SPOUSE/PARTNER PERSON NUMBER
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
    KX065_R         COUPLENESS STATUS - UPDATED
HRS 2008:
    LPN_SP          2008 SPOUSE/PARTNER PERSON NUMBER
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
    LX065_R         COUPLENESS STATUS - UPDATED
HRS 2010:
    MPN_SP          2010 SPOUSE/PARTNER PERSON NUMBER
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
    MX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
```

```
HRS 2012:
    NPN_SP          2012 SPOUSE/PARTNER PERSON NUMBER
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
    NX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
HRS 2014:
    OPN_SP          2014 SPOUSE/PARTNER PERSON NUMBER
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
    OX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
Tracker:
    APPN            1992 SPOUSE-PARTNER PERSON NUMBER
    ASUBHH          1992 SUB-HOUSEHOLD IDENTIFIER
    BPPN            1993 SPOUSE-PARTNER PERSON NUMBER
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    CALIVE          1994 VITAL STATUS
    CPPN            1994 SPOUSE-PARTNER PERSON NUMBER
    CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
    DALIVE          1995 VITAL STATUS
    DPPN            1995 SPOUSE-PARTNER PERSON NUMBER
    DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
    EALIVE          1996 VITAL STATUS
    EPPN            1996 SPOUSE-PARTNER PERSON NUMBER
    ESUBHH          1996 SUB-HOUSEHOLD IDENTIFIER
    FALIVE          1998 VITAL STATUS
    FPPN            1998 SPOUSE-PARTNER PERSON NUMBER
    FSUBHH          1998 SUB-HOUSEHOLD IDENTIFIER
    GALIVE          2000 VITAL STATUS
    GPPN            2000 SPOUSE-PARTNER PERSON NUMBER
    GSUBHH          2000 SUB-HOUSEHOLD IDENTIFIER
    HALIVE          2002 VITAL STATUS
    HHID            HOUSEHOLD IDENTIFIER
    HPPN            2002 SPOUSE-PARTNER PERSON NUMBER
    HSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
    JALIVE          2004 VITAL STATUS
    JPPN            2004 SPOUSE-PARTNER PERSON NUMBER
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
    KALIVE          2006 VITAL STATUS
    KPPN            2006 SPOUSE-PARTNER PERSON NUMBER
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
    LALIVE          2008 VITAL STATUS
    LPPN            2008 SPOUSE-PARTNER PERSON NUMBER
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
    MALIVE          2010 VITAL STATUS
    MPPN            2010 SPOUSE-PARTNER PERSON NUMBER
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
    NALIVE          2012 VITAL STATUS
    NPPN            2012 SPOUSE-PARTNER PERSON NUMBER
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
    OALIVE          2014 VITAL STATUS
    OPPN            2014 SPOUSE-PARTNER PERSON NUMBER
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
```

---

(1) *Title*: The variables are documented in groups according to the concept that they measure. For example, there are ten variables related to self-reported health, corresponding to five waves and Respondent/spouse. The title is often followed by a short description of the concept that is captured.

(2) *Variable Names*: This entry shows the names of variables in the group. Not all variables are present on all files. For example, R1SHLT is present only on the first file, R2SHLT on the second, etc.

3 *Variable Labels*: This entry shows the SAS/Stata variable labels. As discussed above, the labels typically include the name of the variable, the file on which it is present, and a description of its contents.

4 *Variable Type*: This entry indicates the type of variable. It may be continuous (Cont), categorical (Categ), or character (Char).

5 *Descriptive Statistics*: This entry shows descriptive statistics on each variable. They include the number of nonmissing values, the mean, standard deviation, minimum value, and maximum value.

6 *Categorical Value Codes*: This entry shows the value label codes. These are only relevant for categorical variables. The first character(s) of the value labels indicate the value to which each label has been assigned. For example, value "1" is mapped into "1. Excellent" (not just "Excellent"). The entry also indicates which labels are assigned to which variables, and shows frequency tabulations for all categorical variables.

7 *How Constructed*: This entry provides background on the manner in which variables were constructed.

8 *Cross Wave Differences in Original HRS Data*: This entry briefly describes differences in question wording or contents between interview waves.

9 *HRS Variables Used*: This entry provides the names and labels of raw HRS variables that were used to construct the new variables.

7. Distribution and Technical Notes

The RAND HRS Data are distributed with the following:

- Documentation: an electronic version of this documentation.
- Programs: source code of programs that were used to derive the RAND HRS Data files. All programs are written in SAS.
- SAS files: all waves of data in SAS format, compatible with Version 8+.
- Stata files: the data stored in longitudinal files are distributed in Stata 11 SE.
- SPSS files: all waves of data in SPSS for Windows format

This is Version *P* of the RAND HRS Data. A variable called FileVer, with the single value "P," identifies the version and appears on each file.

We suggest that you create a directory for these files and subdirectories for the pieces, for example:

`C:\randhrs\doc`	for this file
`C:\randhrs\programs`	for the programs
`C:\randhrs\sasdata`	for the SAS files
`C:\randhrs\stata`	for the Stata files
`C:\randhrs\spss`	for the SPSS files

7.1. Distribution files for Web Download

The files can be downloaded from the HRS web site (http://hrsonline.isr.umich.edu), once you have registered to use HRS data. They are zipped for downloading; you must unzip them to make them usable. They are available for download as an entire package or documentation only. There are three different format packages: SAS, Stata 11 SE and SPSS for Windows.

SAS and Stata formats differ in value labels and missing value codes. The SAS format is the most comprehensive. Stata allows value labels for integer values only, so no value labels are available for non-integer values. Beginning with version 8, Stata supports multiple codes for missing values (.X, .S, .M, et cetera). SPSS does not support multiple missing codes.

RAND HRS Data Distribution Files

Distribution file name	Included files	Description
The complete package		
randPsas.zip	rndpgmP.zip	Programs
	rndhrs_p.sas7bdat	**SAS V9** data: all waves merged
	sasfmts.sas7bdat	SAS formats for SPSS users
	rnd_Pdd.pdf	Data description
	randhrs_P.pdf	Codebook
randPstataSE.zip	rndpgmP.zip	Programs
	rndhrs_p.dta	**Stata 11 SE** data: all waves merged
	rnd_Pdd.pdf	Data description (this file)
	randhrs_P.pdf	Codebook
randPspss.zip	rndpgmP.zip	Programs
	rndhrs_p.sav	**SPSS** data: all waves merged
	rnd_Pdd.pdf	Data description
	randhrs_P.pdf	Codebook
Documentation only		
rnddocP.zip		
rndpgmP.zip		

7.2. Programs and Macros

The SAS programs used to derive the variables on this file are included in the data distribution. When you unzip the rndpgmP.zip file it will create a Pgm directory with the programs used to derive variables, with multiple subdirectories, corresponding to function. They are:

- Demog: programs that derive demographic and family structure variables
- Health: programs that derive health variables
- Wealth: programs that derive wealth variables
- Income: programs that derive income variables
- Pension: programs that derive pension variables
- SS: programs that derive social security variables
- Health: programs that derive health variables
- Ins: programs that derive insurance variables
- Ret: programs that derive retirement variables

- Emp: programs that derive employment variables
- Mrg: program that pulls most raw variables needed by other programs
- MrgP: program that combines the data from section-specific files

The unzip will also create a `Mac\` subdirectory where macros are stored and a Fmt subdirectory which stores the SAS formats.

The programs begin with the RAND version of the "raw" HRS data, which are flat files (called Fat Files) for each wave with one observation per Respondent and all the raw HRS variables. These files also include some Tracker file information such as gender and birth date, filled for new Respondents when missing in the Tracker data. And they include some derived variables such as employer-provided health insurance summaries in HRS W1 and flags for problem cases. Household level variables are assigned to each Respondent in the household and, where the household level data applies to an individual, self and spouse variables make clear whose data belongs to whom. The RAND-enhanced "raw" HRS data (RAND HRS Fat Files) will be provided on request via our website (http://www.rand.org/labor/aging/dataprod) where further description of these files may also be found.

Beyond this document, the programs provide a precise record of how variables in the RAND HRS data were derived. If you would like to make different assumptions than we did, you can copy parts of our code and modify decisions we made. There are also a few files that you may find useful.

The `Pgm\setuphrs.inc` file sets up SAS data libraries, gives locations of the macro files and format library, and includes common RAND HRS SAS macros. It also assigns a macro variable (&maxwv) to the last wave available in this version of the data. You can modify this file to your system and then include it at the top of your SAS programs to simplify these tasks. An example is given below. To use this file you will need to modify it for your system. The file itself contains comments on what you need to change.

There are two macros that may be useful. They are *wvlist* and *wvlabel*, and can be found in the files `Mac\wvlist.mac` and `Mac\wvlabel.mac`. The *wvlist* macro makes a list of variables with the same stem for all waves, e.g.:

```
%wvlist(r,nmar mdiv mwid mend)
```

would insert the following in your code:

```
R1MRCT R2MRCT R3MRCT R4MRCT R5MRCT R6MRCT R7MRCT R8MRCT R9MRCT R10MRCT R11MRCT R12MRCT
R1MDIV R2MDIV R3MDIV R4MDIV R5MDIV R6MDIV R7MDIV R8MDIV R9MDIV R10MDIV R11MDIV R12MDIV
R1MWID R2MWID R3MWID R4MWID R5MWID R6MWID R7MWID R8MWID R9MWID R10MWID R11MWID R12MWID
R1MEND R2MEND R3MEND R4MEND R5MEND R6MEND R7MEND R8MEND R9MEND R10MEND R11MEND R12MEND
```

The wvlabel macro assigns labels to variables for all waves, e.g.:

```
%wvlabel(r,mrct,%str(R # marriages));
```

assigns variable labels to R1MRCT, R2MRCT, etc.

Details on the usage of these macros can be found in the comments at the beginning of the `wvlist.mac` and `wvlabel.mac` files themselves. For instance you can limit their effects to a range of waves, rather than all twelve.

The *addsp* macro will add spouse versions of variables to your data. It can be found in the `Mac\addsp.mac` file. If you derive your own variables and use the same variable naming convention as is used in this data set, you can use addsp to add the spouse's information with the "S" prefix instead of "R" on the variable name. For example:

```
%addsp(R4MYVARA %wvlist(R,MYVARB),infile,outfile);
```

would make S4MYVARA, S1MYVARB, S2MYVARB, S3MYVARB, S4MYVARB, S5MYVARB, S6MYVARB, S7MYVARB, S8MYVARB, S9MYVARB, S10MYVARB, S11MYVARB and S12MYVARB by reading the R-versions of these variables from "infile" for the appropriate spouses, renaming the as an S-version, and adding it to "infile" variables to make "outfile". The created S-variables are labeled and the .V and .U missing values are assigned as appropriate. The SwHHIDPN, SwIWSTAT, RwMSTAT, and RwMPART variables must be available on "infile".

To use the setuphrs.inc, wvlist.mac, wvlabel.mac, and addsp.mac files, a typical program would begin with:

```
%include "[dir]\setuphrs.inc";  /* this includes the macros too */
Libname mylib "[name of folder to store your files";

data mylib.myfile;
      set randhrs.rndhrs_p (keep=HHIDPN ...);
      [...]
```

7.3. The SAS Format Library

Many of the derived variables on this file have been assigned SAS formats, or value labels. There are also SAS formats that are used to look up values using the SAS PUT function in data steps. For instance, the format library includes yearly CPI-U values in this form.

We are no longer distributing SAS formats as a format catalog. Instead we are providing SAS code to allow the researcher to create their own formats catalog on any computing platform.

To create a formats catalogue, assuming sasfmts.sas7bdat is in `C:\randhrs\sasdata`, simly run the following code:

```
libname library "C:\randhrs\sasdata";
proc format library=library cntlin=sasfmts;
run;
```

This SAS code will create a file called `C:\randhrs\sasdata\formats.sas7bcat`

The formats can be found in text format in one of the `Fmt\*`.fmt files and are all included in a SAS dataset (`sasfmts.sas7bdat`).

7.3.1. Using (or Not Using) the SAS formats

To use them from the SAS format library you must include a LIBNAME LIBRARY statement:

```
LIBNAME LIBRARY "&fmtlib";
```

Where `"&fmtlib"` is the name of the directory where the `formats.sas7bcat` file is stored. You can either put this statement in your SAS programs, e.g.:

```
LIBNAME LIBRARY "c:\randhrs\sasdata";
```

where the format file is `C:\randhrs\sasdata\formats.sas7bcat`, or use `"%include setuphrs.inc"` where you have set the macro variable `&fmtlib` to the name of the appropriate directory.

If you do not have the LIBNAME LIBRARY statement in your program, SAS usually gives you an error message and stops processing, unless you specify NOFMTERR on an OPTIONS statement.

If you prefer not to use the assigned SAS formats, you can use the following statement in SAS PROC steps or just after a SET or MERGE in a data step to unassign all formats:

```
FORMAT _ALL_ ;
```

You can then assign formats as you wish. The format assignments we assigned to variables can be found by running a PROC CONTENTS on the data files. They are also listed in `*.format` files located in subdirectories of the `Pgm\` directory. For example, the `SS\ss_p`.format file contains the SAS FORMAT statement that assigns Social Security variables to their formats.

7.3.2. Consumer Price Index (CPI-U)

These deflation factors are based on the Bureau of Labor Statistics' series of Consumer Price Index for All Urban Consumers (CPI-U), All Items. In this series, 1982-84 is normalized to 100. For details see http://www.bls.gov/cpi. The CPI-U is available from 1913 to 2013. The index is stored in a SAS format called CPI. To get the CPI-U for a year you can use the following in a SAS data step:

```
cpiu=put(ayear,CPI.);
```

Where "ayear" is the name of a variable containing the 4-digit year for which you want the CPI-U and "cpiu" is the name of the variable that will hold the index for that year. "CPI." is the name of the SAS format that has the indices for all available years. The CPI format is stored on the `formats.sas7bcat` file provided with this dataset.

7.4. Using the Data with Other HRS Files

To use these data with other HRS files, including the RAND-enhanced "raw" data files, you should be able to simply merge by HHIDPN. All RAND files are already sorted by this ID so should not need to be resorted. For instance to merge additional data from all waves of the RAND-enhanced Fat Files with RAND HRS data, you could use the following:

```
%include "[dir]\setuphrs.inc";
    Libname mylib "[name of folder to store your files";
data mylib.newfile;
  merge randhrs.rndhrs_p (keep=HHIDPN [list of other variables])
    hrs.hd92f1b (keep=HHIDPN [list of raw core variables])
    hrs.ad93f2a (keep=HHIDPN [list of raw core variables])
    hrs.h94f1a  (keep=HHIDPN [list of raw core variables])
    hrs.ad95f2b (keep=HHIDPN [list of raw core variables])
    hrs.h96f4a  (keep=HHIDPN [list of raw core variables])
    hrs.hd98f2c (keep=HHIDPN [list of raw core variables])
    hrs.h00f1c  (keep=HHIDPN [list of raw core variables])
    hrs.h02f2d  (keep=HHIDPN [list of raw core variables])
    hrs.h04f1b  (keep=HHIDPN [list of raw core variables])
    hrs.h06f3a  (keep=HHIDPN [list of raw core variables])
    hrs.h08f3a  (keep=HHIDPN [list of raw core variables])
    hrs.hd10f5c (keep=HHIDPN [list of raw core variables])
    hrs.h12f1a  (keep=HHIDPN [list of raw core variables])
    hrs.h14e1a  (keep=HHIDPN [list of raw core variables]);

  by HHIDPN;
```

where `"[list of (other/raw core) variables]"` would be replaced by a list of the SAS variables you want to include. You can omit the KEEP option to include all the variables from a given data set, but in this example the output file would be extremely large if you did so for all the files listed.

If you have HRS data files which use the character version of HHIDPN, the RAHHIDPN variable provides the 9-character equivalent of HHIDPN, filled with leading zeros, the format that corresponds to the concatenated HHID and PN character

IDs provided in the raw HRS data. You may wish to rename HHIDPN to NHHIDPN and RAHHIDPN to HHIDPN or whatever variable name you have used on your other HRS data files. HHID and PN are also included as separate variables in the RAND HRS data and the Fat Files. Alternatively you can use these two variables to merge.

For Stata and SPSS users, you can find example programs on our web site at
http://www.rand.org/ labor/aging/dataprod/helphrs.html.

8. Data Codebook

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Section A: Demographics, Identifiers, and Weights

Person Specific Identifier

Wave	Variable Name	Variable Label	Type
1	HHIDPN	HHIDPN: HHold ID + Person Number /Num	Cont
1	HHID	HHID: HHold ID / 6-Char	Char
1	PN	Person Number (CHAR)	Char
1	RAHHIDPN	RAHHIDPN: HHold ID + Person Num /9-Char	Char

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
HHIDPN	37495	256784263.5	248369575.7	1010.0	959738010.0

How Constructed

HHID is the 6-character HRS household identifier, and PN is the 3-character person number. Together, HHID and PN uniquely identify each individual in the HRS public-release data. On the RAND HRS, they are provided separately and, for convenience, in combination as HHIDPN and RAHHIDPN.

HHIDPN is the numeric version of the combined household and person identifier that identifies each Respondent uniquely. It is set to HHID*1000 + PN. RAHHIDPN is the 9-character version of HHIDPN, with leading zeros. For example, if the HHID is 012345 and PN is 010 then HHIDPN is 12345010 and RAHHIDPN is 012345010.

HHID and PN, HHIDPN, and RAHHIDPN are all equivalent and unique identifiers, and the RAND HRS sort order is the same for all three. To merge the RAND HRS with other data sources, one may use the single variables HHIDPN or RAHHIDPN, or the two variables HHID and PN, whichever is available and most convenient. Other RAND data products also provide all of these identifiers. The programs used to develop the RAND HRS use HHIDPN, so that means of the numeric ID may be checked to ensure none are missing.

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These "HRS-AHEAD" overlap cases are identified by RAOVRLAP (=1).

There is one case that does not appear to be an overlap case, that is, has an HRS ID and no OVHHID, or AHEAD ID on the Tracker file, but is married in HRS W1 to an individual who is an overlap case. This individual is also married in AHEAD to a spouse who appears to be the same as the HRS-only spouse. We treat these spouses as the same individual in this file, identified by the AHEAD ID.

In addition a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage in the core public use data. This file identifies these Respondents by their most recent AHEAD ID and links their data across all waves. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in different household between 1995 and 1998, RAOVRAYR=1995. These "AHEAD-AHEAD" overlap cases are identified by RAOVRLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS, these cases are referenced by their 2012 ID's. The ID's they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVRLAP=3.

Based on data alerts from HRS, we have made several changes to cases in 2000 and 2002. There is one case deleted in each of these years, and in 2000, HHIDPN 75573041 is changed to 75573010.

Please refer to Appendix A for a list of overlap cases and other ID change information. Please see the section on "Overlap cases" for a description of the RAOVRLAP flag and alternate IDs.

HRS Variables Used

```
Tracker:
    HHID            HOUSEHOLD IDENTIFIER
    OVHHID          OVERLAP CASE: OLD HHID
    OVPN            OVERLAP CASE: OLD PN
    PN              PERSON NUMBER
```

Household Identifier

Wave	Variable Name	Variable Label	Type
1	H1HHID	H1HHID:W1 HHold ID + SubHHold /Num	Cont
2	H2HHID	H2HHID:W2 HHold ID + SubHHold /Num	Cont
3	H3HHID	H3HHID:W3 HHold ID + SubHHold /Num	Cont
4	H4HHID	H4HHID:W4 HHold ID + SubHHold /Num	Cont
5	H5HHID	H5HHID:W5 HHold ID + SubHHold /Num	Cont
6	H6HHID	H6HHID:W6 HHold ID + SubHHold /Num	Cont
7	H7HHID	H7HHID:W7 HHold ID + SubHHold /Num	Cont
8	H8HHID	H8HHID:W8 HHold ID + SubHHold /Num	Cont
9	H9HHID	H9HHID:W9 HHold ID + SubHHold /Num	Cont
10	H10HHID	H10HHID:W10 HHold ID + SubHHold /Num	Cont
11	H11HHID	H11HHID:W11 HHold ID + SubHHold /Num	Cont
12	H12HHID	H12HHID:W12 HHold ID + SubHHold /Num	Cont
1	H1HHIDC	H1HHIDC:W1 HHold ID + SubHHold /7-Char	Char
2	H2HHIDC	H2HHIDC:W2 HHold ID + SubHHold /7-Char	Char
3	H3HHIDC	H3HHIDC:W3 HHold ID + SubHHold /7-Char	Char
4	H4HHIDC	H4HHIDC:W4 HHold ID + SubHHold /7-Char	Char
5	H5HHIDC	H5HHIDC:W5 HHold ID + SubHHold /7-Char	Char
6	H6HHIDC	H6HHIDC:W6 HHold ID + SubHHold /7-Char	Char
7	H7HHIDC	H7HHIDC:W7 HHold ID + SubHHold /7-Char	Char
8	H8HHIDC	H8HHIDC:W8 HHold ID + SubHHold /7-Char	Char
9	H9HHIDC	H9HHIDC:W9 HHold ID + SubHHold /7-Char	Char
10	H10HHIDC	H10HHIDC:W10 HHold ID + SubHHold /7-Char	Char
11	H11HHIDC	H11HHIDC:W11 HHold ID + SubHHold /7-Char	Char
12	H12HHIDC	H12HHIDC:W12 HHold ID + SubHHold /7-Char	Char

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1HHID	12652	492181.43	273913.39	10.0	2088670.0
H2HHID	19642	1133404.38	791404.84	10.0	2088980.0
H3HHID	17991	1090001.28	784075.68	20.0	2088980.0
H4HHID	21384	1209708.45	767109.01	20.0	2134790.0
H5HHID	19579	1178813.45	763685.69	20.0	2134790.0
H6HHID	18165	1139184.18	755892.49	30.0	2134790.0
H7HHID	20129	1748203.12	1606542.38	30.0	5027610.0
H8HHID	18469	1716759.78	1610087.26	30.0	5027610.0
H9HHID	17217	1717848.99	1641192.71	30.0	5027610.0
H10HHID	22034	3190737.77	2882407.61	30.0	9597380.0
H11HHID	20554	3227024.24	2899750.15	30.0	9597380.0
H12HHID	18748	3321864.62	2929639.33	30.0	9597380.0

How Constructed

The HwHHID identifiers combine HHID with a sub-household ID for each wave. They uniquely identify a household in a given wave. Households that split are given different subHH IDs by HRS. HwHHID is numeric (HHID*10+subHH). HwHHIDC is the 7-character version, with leading zeros. For example, if HHID is 012345 and the Wave "w" subHH is 2 then HwHHID is 123452 and HwHHIDC is "0123452."

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to

the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These "HRS-AHEAD" overlap cases are identified by RAOVRLAP (=1).

In addition a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage. This file identifies these Respondents by their most recent AHEAD HHIDPN. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in different household between 1995 and 1998, RAOVRAYR=1995. These are "AHEAD-AHEAD" overlap cases and are identified by RAOVRLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVRLAP=3.

For the HRS-AHEAD overlap cases the HwHHID and HwHHIDC variables reflect the AHEAD household identifier in all waves. For the AHEAD-AHEAD overlap cases, HwHHID and HwHHIDC reflect the actual AHEAD sub-household for the Respondent in each wave. So, for example, if the Respondent was in household 200000.0 in 1995 and married into household 290000.0 in 1998, H3HHID would be 200000.0 and H4HHID would be 290000.0.

Please refer to Appendix A for a list of overlap cases.

Also in Wave 3H, there are a few households that appear to be reunited based on answers to questions in the cover sheet section. They are reunited in Wave 4 in the public use HRS core data, but have different sub-household IDs in Wave 3. We reunite them in Wave 3 in the RAND HRS. These households are: 17520 (PNs 010 and 040), 22999 (PNs 010 and 020), 40609 (PNs 010 and 020), 40441 (PNs 010 and 020), 50945 (PNs 010 and 040). These cases will have different sub-household IDs in H3HHID from the ESUBHH found in the Tracker and core 1996 files. The spouse PNs will also differ.

In 1994, one household, 15730 is split in the core data, but is together in the Tracker file. In this household, 15730.020 was interviewed, but then died before the widow (15730.030) was interviewed. We treat these two cases as being in separate households, as they are in the core data.

In some other households, the Tracker file shows a non-responding spouse, but the core data indicate that the couple is split. We treat these couples as split. In most households, this involves a change for the non-responding spouse so that the sub-household ID on this file differs from that on the Tracker file, but still matches that on the core data. For two households, 10646 and 65564, the FSUBHH used to derive H4HHID also differs from that on the core 1998 data for the responding spouse. That is, they are shown as not split in both Tracker and 1998 core data, but are split on the RAND HRS based on core cover sheet information. Note that the spouse PN for the responding spouse in these two households was set to missing in Wave 4.

HRS Variables Used

```
AHEAD 1993:
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
HRS 1994:
    W2SUBHH         HRS Wave 2 Sub-Household
AHEAD 1995:
    DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
HRS 1996:
    ESUBHH          HRS WAVE 3 SUB-HOUSEHOLD ID (Char)
HRS 1998:
    FSUBHH          HRS98 SUB-HOUSEHOLD ID (Char)
HRS 2000:
    GSUBHH          HRS00 SUB-HOUSEHOLD ID (Char)
HRS 2002:
    HSUBHH          HRS 2002 SUB-HOUSEHOLD ID (Char)
HRS 2004:
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
HRS 2006:
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
HRS 2008:
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
HRS 2010:
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
HRS 2012:
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
HRS 2014:
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
Tracker:
    ASUBHH          1992 SUB-HOUSEHOLD IDENTIFIER
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
    DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
    ESUBHH          1996 SUB-HOUSEHOLD IDENTIFIER
    FSUBHH          1998 SUB-HOUSEHOLD IDENTIFIER
    GSUBHH          2000 SUB-HOUSEHOLD IDENTIFIER
    HHID            HOUSEHOLD IDENTIFIER
    HSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
    OVHHID          OVERLAP CASE: OLD HHID
    OVPN            OVERLAP CASE: OLD PN
    PN              PERSON NUMBER
```

Spouse Identifier

Wave	Variable Name	Variable Label	Type
1	S1HHIDPN	S1HHIDPN:W1 Spouse HHIDPN	Cont
2	S2HHIDPN	S2HHIDPN:W2 Spouse HHIDPN	Cont
3	S3HHIDPN	S3HHIDPN:W3 Spouse HHIDPN	Cont
4	S4HHIDPN	S4HHIDPN:W4 Spouse HHIDPN	Cont
5	S5HHIDPN	S5HHIDPN:W5 Spouse HHIDPN	Cont
6	S6HHIDPN	S6HHIDPN:W6 Spouse HHIDPN	Cont
7	S7HHIDPN	S7HHIDPN:W7 Spouse HHIDPN	Cont
8	S8HHIDPN	S8HHIDPN:W8 Spouse HHIDPN	Cont
9	S9HHIDPN	S9HHIDPN:W9 Spouse HHIDPN	Cont
10	S10HHIDPN	S10HHIDPN:W10 Spouse HHIDPN	Cont
11	S11HHIDPN	S11HHIDPN:W11 Spouse HHIDPN	Cont
12	S12HHIDPN	S12HHIDPN:W12 Spouse HHIDPN	Cont
1	RASPCT	RASPCT: # of spouses with ID	Cont
1	RASPID1	RASPID1: HHIDPN of 1st spouse	Cont
1	RASPID2	RASPID2: HHIDPN of 2nd spouse	Cont
1	RASPID3	RASPID3: HHIDPN of 3rd spouse	Cont
1	RASPID4	RASPID4: HHIDPN of 4th spouse	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
S1HHIDPN	12652	40146194.53	31817608.99	0.0	208867020.0
S2HHIDPN	19579	69286448.52	78269490.35	0.0	208898020.0
S3HHIDPN	17924	64712174.26	75514086.18	0.0	208898020.0
S4HHIDPN	21318	73875455.18	79688483.08	0.0	213479020.0
S5HHIDPN	19545	70097172.55	77812345.28	0.0	213479020.0
S6HHIDPN	18144	65995307.78	75312554.74	0.0	213479020.0
S7HHIDPN	20118	114263253.9	160029968.4	0.0	502759020.0
S8HHIDPN	18468	111704937.0	159934303.8	0.0	502759020.0
S9HHIDPN	17216	110966257.4	162224673.2	0.0	502759020.0
S10HHIDPN	22030	211046750.7	279915027.4	0.0	923525020.0
S11HHIDPN	20554	212084841.2	281896335.7	0.0	958361011.0
S12HHIDPN	18748	216332029.9	285535754.1	0.0	923525020.0
RASPCT	37495	0.78	0.48	0.0	4.0
RASPID1	28058	245600551.2	247147780.3	3010.0	958361011.0
RASPID2	998	158493274.5	193114493.4	10299012.0	920331011.0
RASPID3	62	104490841.8	120394198.7	11936012.0	501614012.0
RASPID4	5	40259629.00	21815421.66	16973033.0	64609043.0

How Constructed

HRS Respondents have up to 4 different individuals as spouses or partners from 1992 to 2008. Cohabiting partners are treated as spouses for all but the marriage variables in this file. RASPCT tells how many spouses the Respondent has over all waves. Their HHIDPNs are given in RASPID1-RASPID4. SwHHIDPN gives the HHIDPN of the spouse in Wave "w." The SwHHIDPN variables are derived from HHID and the spouse person numbers found in the core data and on the Tracker file. These are the numeric versions of the IDs.

There are a number of cases where the spouse PN on the Tracker file does not match that used in the core data or in this file. In some cases the spouse identified on the Tracker is deceased or otherwise non-responding when the Respondent indicates not being married or partnered. In other cases, the spouse PN is missing on the Tracker file, but is available in the core data. On this file, the SwHHIDPNs of deceased or other spouses no longer part of the couple are set to zero, and core spouse PNs are used when missing from Tracker.

If there is no spouse in a given wave, SwHHIDPN is set to zero. If SwHHIDPN is unknown, and the marital status in a particular wave is either missing (.M) or married, SwHHIDPN is set to a special missing code of .M. If the Respondent is non-responding in a given wave, SwHHIDPN is set to plain missing (.).

There are spouse versions of most Respondent variables. Each wave carries that wave's spouse's demographic and other information. For example, S1BDATE and S4BDATE are the birth dates for the Wave 1 and Wave 4 spouses, respectively. If the spouse in Wave 4 is the same as the spouse in Wave 1, these dates will be identical. But if the spouse in Wave 4 is different from the spouse in Wave 1, these will probably be different dates. If these spouse variables are missing because the Respondent is not married or partnered, they are set to SAS special missing .U. If they are missing because the Respondent's spouse or partner did not respond, they are set to a .V missing.

HRS Variables Used

```
Tracker:
    APPN            1992 SPOUSE-PARTNER PERSON NUMBER
    BPPN            1993 SPOUSE-PARTNER PERSON NUMBER
    CPPN            1994 SPOUSE-PARTNER PERSON NUMBER
    DPPN            1995 SPOUSE-PARTNER PERSON NUMBER
    EPPN            1996 SPOUSE-PARTNER PERSON NUMBER
    FPPN            1998 SPOUSE-PARTNER PERSON NUMBER
    GPPN            2000 SPOUSE-PARTNER PERSON NUMBER
    HHID            HOUSEHOLD IDENTIFIER
    HPPN            2002 SPOUSE-PARTNER PERSON NUMBER
    JPPN            2004 SPOUSE-PARTNER PERSON NUMBER
    KPPN            2006 SPOUSE-PARTNER PERSON NUMBER
    LPPN            2008 SPOUSE-PARTNER PERSON NUMBER
    MPPN            2010 SPOUSE-PARTNER PERSON NUMBER
    NPPN            2012 SPOUSE-PARTNER PERSON NUMBER
    OPPN            2014 SPOUSE-PARTNER PERSON NUMBER
```

Overlap Identifier for cases that moved from HRS to AHEAD

Wave	Variable Name	Variable Label	Type
1	RAOVRLAP	RAOVRLAP: Overlap/AltID case	Categ
1	RAOVRAYR	RAOVRAYR:Ahd-Ahd ovrlap-alt id end yr	Cont
1	HAOAHDHH	HAOAHDHH: Overlap/AltID case-Ahead core HHID/Num	Cont
1	RAOAHDID	RAOAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
1	S1OAHDID	S1OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
2	S2OAHDID	S2OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
3	S3OAHDID	S3OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
4	S4OAHDID	S4OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
5	S5OAHDID	S5OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
6	S6OAHDID	S6OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
7	S7OAHDID	S7OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
8	S8OAHDID	S8OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
9	S9OAHDID	S9OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
10	S10OAHDID	S10OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
11	S11OAHDID	S11OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
12	S12OAHDID	S12OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
1	H1OHRSHH	H1OHRSHH:W1 HRS core HHID + SubHHold /Num	Cont
1	RAOHRSID	RAOHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
1	S1OHRSID	S1OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
2	S2OHRSID	S2OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
3	S3OHRSID	S3OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
4	S4OHRSID	S4OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
5	S5OHRSID	S5OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
6	S6OHRSID	S6OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
7	S7OHRSID	S7OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
8	S8OHRSID	S8OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
9	S9OHRSID	S9OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
10	S10OHRSID	S10OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
11	S11OHRSID	S11OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
12	S12OHRSID	S12OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAOVRLAP	37495	0.00	0.06	0.0	3.0
RAOVRAYR	37493	0.11	14.58	0.0	1998.0
HAOAHDHH	37493	611.38	11170.40	0.0	208867.0
RAOAHDID	37495	611350.86	11170107.69	0.0	208867020.0
S1OAHDID	10279	2170520.05	20968403.46	0.0	208867020.0
S2OAHDID	13608	1593881.14	17990880.05	0.0	208867020.0
S3OAHDID	12269	1434741.97	17078562.49	0.0	208867020.0
S4OAHDID	14453	1103979.05	14988650.82	0.0	208867020.0
S5OAHDID	13007	1084597.76	14853225.53	0.0	208289020.0
S6OAHDID	11822	865667.89	13284425.71	0.0	208867020.0
S7OAHDID	13307	600720.19	11081327.60	0.0	208867020.0
S8OAHDID	12001	545914.88	10559062.63	0.0	207784020.0

S9OAHDID	10953	431146.38	9399931.70	0.0	208867020.0
S10OAHDID	14147	201948.13	6417230.81	0.0	208867020.0
S11OAHDID	12985	172441.14	5922978.57	0.0	208867020.0
S12OAHDID	11538	140610.60	5338901.77	0.0	208867020.0
H1OHRSHH	37493	1299.75	27069.57	0.0	870320.0
RAOHRSID	37495	158150.71	4712727.80	0.0	529766010.0
S1OHRSID	10279	470989.17	5144962.69	0.0	87032030.0
S2OHRSID	13608	350099.40	4457688.02	0.0	87032030.0
S3OHRSID	12269	324834.80	4309945.56	0.0	87032030.0
S4OHRSID	14453	238759.63	3645042.87	0.0	87032030.0
S5OHRSID	13007	235302.27	3619739.25	0.0	87032030.0
S6OHRSID	11822	172952.56	3128305.12	0.0	87032030.0
S7OHRSID	13307	115974.37	2511708.09	0.0	87032030.0
S8OHRSID	12001	102664.43	2278951.45	0.0	87032030.0
S9OHRSID	10953	88615.77	2139235.68	0.0	87032030.0
S10OHRSID	14147	44716.43	1529853.05	0.0	87032030.0
S11OHRSID	12985	116207.88	6679809.97	0.0	529766010.0
S12OHRSID	11538	72282.39	5028707.60	0.0	526934010.0

Categorical Variable Codes

Value	RAOVRLAP
0.Not ovrlap case	37381
1.Hrs-Ahd ovrlap	110
2.Ahd-Ahd ovrlap	2
3.Hrs-Hrs ovrlap	2

How Constructed

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These are "HRS-AHEAD" overlap cases and are identified by RAOVRLAP (=1).

There is one case that does not appear to be an overlap case; that is, has an HRS ID and no OVHHID on the Tracker file, but who is married in HRS W1 to a spouse who is an overlap case. The spouse is married in AHEAD to an individual who appears to be the same as the HRS-only spouse. We treat these spouses as the same people in this file.

In addition, a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage. This file identifies these Respondents by their most recent AHEAD ID. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in a different household between 1995 and 1998, RAOVRAYR=1995. These are "AHEAD-AHEAD" overlap cases, and are identified by RAOVRLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when

they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVRLAP=3.

RAOAHDID is the AHEAD HHIDPN for the HRS-AHEAD overlap Respondents, and the original AHEAD ID for AHEAD-AHEAD overlap Respondents. HAOAHDHH gives just the HHID portion of RAOAHDID. On this file, HHIDPN (numeric), RAHHIDPN (character), and RAOAHDID (numeric) are all equal for HRS-AHEAD overlap cases.

For AHEAD-AHEAD overlap cases, HHIDPN and RAHHIDPN are the most recent AHEAD ID, different from the original one found in RAOAHDID. RAOAHDID matches the OVHHID and OVPN found for the AHEAD-AHEAD overlap cases on the Tracker file, and the HHID and PN found in the core data for interviews up to and including RAOVRAYR. HHIDPN and RAHHIDPN match the HHID and PN found in the core data for interviews after RAOVRAYR.

RAOHRSID is the HRS HHIDPN for the HRS-AHEAD Respondents. It is also the 2010 ID for the MBB-MBB overlap Respondents. RAOHRSID is the HHIDPN that identifies the Respondent in the 1992 or 2010 Public Use Data, and by OVHHID and OVPN on the Tracker file.

For the HRS-AHEAD overlap cases the HwHHID and HwHHIDC variables reflect the AHEAD household identifier in all waves. For the AHEAD-AHEAD overlap cases, HwHHID and HwHHIDC reflect the actual AHEAD sub-household for the Respondent in each wave. So, for example, if the Respondent was in household 200000.0 in 1995 and married into household 290000.0 in 1998, H3HHID would be 200000.0 and H4HHID would be 290000.0.

RAOHRSHH is the HRS HHID for Respondents in the overlap household, and H1HRSHH is the HRS Wave 1 HHID plus sub-household for overlap Respondents. For AHEAD-AHEAD overlap cases these HRS IDs are set to zero.

For non-overlap cases, all overlap IDs and RAOVRLAP are set to zero.

The spouse overlap flag and identifiers are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RAOVRLAP, RAOAHDID, RAOHRSID, and RAOVRAYR.

Cross Wave Differences in Original HRS Data

Tracker identifies all the AHEAD-AHEAD overlap cases and HRS-AHEAD overlap cases.

HRS Variables Used

```
Tracker:
    HHID            HOUSEHOLD IDENTIFIER
    OVHHID          OVERLAP CASE: OLD HHID
    OVPN            OVERLAP CASE: OLD PN
    PN              PERSON NUMBER
```

Wave Status: Response Indicator

Wave	Variable Name	Variable Label	Type
1	INW1	INW1: =1 if Respondent W1	Categ
2	INW2	INW2: =1 if Respondent W2	Categ
3	INW3	INW3: =1 if Respondent W3	Categ
4	INW4	INW4: =1 if Respondent W4	Categ
5	INW5	INW5: =1 if Respondent W5	Categ
6	INW6	INW6: =1 if Respondent W6	Categ
7	INW7	INW7: =1 if Respondent W7	Categ
8	INW8	INW8: =1 if Respondent W8	Categ
9	INW9	INW9: =1 if Respondent W9	Categ
10	INW10	INW10: =1 if Respondent W10	Categ
11	INW11	INW11: =1 if Respondent W11	Categ
12	INW12	INW12: =1 if Respondent W12	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
INW1	37495	0.34	0.47	0.0	1.0
INW2	37495	0.52	0.50	0.0	1.0
INW3	37495	0.48	0.50	0.0	1.0
INW4	37495	0.57	0.50	0.0	1.0
INW5	37495	0.52	0.50	0.0	1.0
INW6	37495	0.48	0.50	0.0	1.0
INW7	37495	0.54	0.50	0.0	1.0
INW8	37495	0.49	0.50	0.0	1.0
INW9	37495	0.46	0.50	0.0	1.0
INW10	37495	0.59	0.49	0.0	1.0
INW11	37495	0.55	0.50	0.0	1.0
INW12	37495	0.50	0.50	0.0	1.0

Categorical Variable Codes

Value	INW1	INW2	INW3	INW4	INW5	INW6	INW7
0.NonResp	24843	17853	19504	16111	17916	19330	17366
1.Resp,alive	12652	19642	17991	21384	19579	18165	20129

Value	INW8	INW9	INW10	INW11	INW12
0.NonResp	19026	20278	15461	16941	18747
1.Resp,alive	18469	17217	22034	20554	18748

How Constructed

These variables indicate whether an individual responded to a particular wave.

In previous versions of this file, INW2 further identifies the deceased proxies included in the data for wave 2H (INW2=2). We exclude the deceased proxies (INW2=2) in this version of the file (Version F forward). Interviews for the deceased are not included in any of the other waves.

The Tracker file identifies one additional Respondent as deceased at Wave 2H, but flags in the HRS W2 data indicate that this case actually completed the interview and then died. In previous versions of RANDHRS, this case has INW2=1 with R2IWSTAT=2 (Died after interview), and in skip patterns within the interview, the case is treated as living. From Version F forward, we treat this case as deceased in W2; that is, we use the Tracker file mortality status.

Wave Status: Interview Status

Wave	Variable Name	Variable Label	Type
1	R1IWSTAT	R1IWSTAT:W1 R Interview Status	Categ
2	R2IWSTAT	R2IWSTAT:W2 R Interview Status	Categ
3	R3IWSTAT	R3IWSTAT:W3 R Interview Status	Categ
4	R4IWSTAT	R4IWSTAT:W4 R Interview Status	Categ
5	R5IWSTAT	R5IWSTAT:W5 R Interview Status	Categ
6	R6IWSTAT	R6IWSTAT:W6 R Interview Status	Categ
7	R7IWSTAT	R7IWSTAT:W7 R Interview Status	Categ
8	R8IWSTAT	R8IWSTAT:W8 R Interview Status	Categ
9	R9IWSTAT	R9IWSTAT:W9 R Interview Status	Categ
10	R10IWSTAT	R10IWSTAT:W10 R Interview Status	Categ
11	R11IWSTAT	R11IWSTAT:W11 R Interview Status	Categ
12	R12IWSTAT	R12IWSTAT:W12 R Interview Status	Categ
1	S1IWSTAT	S1IWSTAT:W1 S Interview Status	Categ
2	S2IWSTAT	S2IWSTAT:W2 S Interview Status	Categ
3	S3IWSTAT	S3IWSTAT:W3 S Interview Status	Categ
4	S4IWSTAT	S4IWSTAT:W4 S Interview Status	Categ
5	S5IWSTAT	S5IWSTAT:W5 S Interview Status	Categ
6	S6IWSTAT	S6IWSTAT:W6 S Interview Status	Categ
7	S7IWSTAT	S7IWSTAT:W7 S Interview Status	Categ
8	S8IWSTAT	S8IWSTAT:W8 S Interview Status	Categ
9	S9IWSTAT	S9IWSTAT:W9 S Interview Status	Categ
10	S10IWSTAT	S10IWSTAT:W10 S Interview Status	Categ
11	S11IWSTAT	S11IWSTAT:W11 S Interview Status	Categ
12	S12IWSTAT	S12IWSTAT:W12 S Interview Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1IWSTAT	37495	0.36	0.56	0.0	4.0
R2IWSTAT	37495	0.70	0.88	0.0	7.0
R3IWSTAT	37495	0.88	1.24	0.0	7.0
R4IWSTAT	37495	1.24	1.56	0.0	7.0
R5IWSTAT	37495	1.49	1.86	0.0	7.0
R6IWSTAT	37495	1.72	2.09	0.0	7.0
R7IWSTAT	37495	2.03	2.21	0.0	7.0
R8IWSTAT	37495	2.30	2.38	0.0	7.0
R9IWSTAT	37495	2.49	2.47	0.0	7.0
R10IWSTAT	37495	2.90	2.38	0.0	7.0
R11IWSTAT	37495	3.14	2.45	0.0	7.0
R12IWSTAT	37495	3.39	2.47	1.0	7.0
S1IWSTAT	10279	1.11	0.57	1.0	4.0
S2IWSTAT	13608	1.11	0.57	0.0	4.0
S3IWSTAT	12269	1.09	0.50	1.0	4.0
S4IWSTAT	14453	1.10	0.53	1.0	4.0
S5IWSTAT	13007	1.06	0.43	1.0	4.0
S6IWSTAT	11822	1.05	0.37	1.0	4.0
S7IWSTAT	13307	1.08	0.48	1.0	5.0
S8IWSTAT	12001	1.07	0.52	0.0	7.0
S9IWSTAT	10953	1.10	0.58	1.0	7.0
S10IWSTAT	14147	1.14	0.69	0.0	7.0
S11IWSTAT	12985	1.13	0.67	0.0	7.0
S12IWSTAT	11538	1.15	0.74	1.0	7.0

Categorical Variable Codes

Value	R1IWSTAT	R2IWSTAT	R3IWSTAT	R4IWSTAT	R5IWSTAT	R6IWSTAT	R7IWSTAT
0.Inap.	24598	16304	16156	11034	10888	10728	7183
1.Resp,alive	12652	19642	17991	21384	19579	18165	20129
4.NR,alive	245	1300	2003	2173	2487	2250	2330
5.NR,died this wv		226	1088	1346	1439	1572	1297
6.NR,died prev wv			225	1312	2657	4096	5641
7.NR,dropped from samp		23	32	246	445	684	915

Value	R8IWSTAT	R9IWSTAT	R10IWSTAT	R11IWSTAT	R12IWSTAT
0.Inap.	7025	6900	302	135	
1.Resp,alive	18469	17217	22034	20554	18748
4.NR,alive	2196	2163	2222	2239	2658
5.NR,died this wv	1384	1279	1630	1204	1197
6.NR,died prev wv	6925	8305	9584	11213	12417
7.NR,dropped from samp	1496	1631	1723	2150	2475

Value	S1IWSTAT	S2IWSTAT	S3IWSTAT	S4IWSTAT	S5IWSTAT	S6IWSTAT	S7IWSTAT
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		64	64	62	34	37	45
0.Inap.		17					
1.Resp,alive	9900	13088	11915	13978	12730	11639	12972
4.NR,alive	379	503	354	475	277	183	322
5.NR,died this wv							13

Value	S8IWSTAT	S9IWSTAT	S10IWSTAT	S11IWSTAT	S12IWSTAT
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	51	58	88	95	87
0.Inap.	1		2	2	
1.Resp,alive	11735	10646	13513	12488	11031
4.NR,alive	225	258	566	419	416
5.NR,died this wv	9	12	22	19	20
6.NR,died prev wv				1	
7.NR,dropped from samp	31	37	44	56	71

How Constructed

This variable gives the response and mortality status of the Respondent at each wave. Respondents are identified by code 1, non-Respondents by codes 0, 4-7 and 9.

Mortality status is taken from the Tracker file. Known alive and presumed alive are both treated as indication that the Respondent is living. Non-response code 4 means that the Respondent is alive so far as we know, but did not respond. A code of 5 means that the Respondent died between the last interview and the current one, and 6 means that the Respondent had died before a previous wave. A code of 9 means that we don't know if the individual is alive or not; Tracker indicates this in the xALIVE variables for each wave. However, Tracker indicates some individuals are alive at a subsequent interview. We carry the living status back in these cases.

The xALIVE variable on the Tracker file is sometimes zero or missing before an individual enters the sample, or when an individual has been dropped from the sample. In these cases, if the Tracker variable xINSAMP indicates that the Respondent has not entered the sample because the cohort has not yet been interviewed, or the Respondent marries into the sample at a later wave (xINSAMP=2 or 3), then RwIWSTAT is set to 0. If the Respondent has been dropped from the sample because s/he was eligible to be an HRS-AHEAD overlap case but never responded to AHEAD (xINSAMP=4); alive but asked to be dropped from the study before the wave (xINSAMP=6); or for other reasons (xINSAMP=8); then RwIWSTAT

is set to 7.

SwIWSTAT gives the response and mortality status of the current wave's spouse at each wave, if available. It is taken from the spouse's RxIWSTAT if the spouse appears on the Tracker file. Note that when a spouse dies, the spouse interview status for the surviving spouse will have a code of .U=Respondent unmarried if the widow does not remarry. A .V missing code indicates that there is no information in the Tracker file on why the spouse did not respond.

Note also that SxIWSTAT is set to plain missing (.) if an individual did not respond at a particular interview, including if he/she died. Surviving spouses are interviewed, but we do not at this time indicate whether the surviving spouse is a Respondent in the deceased's spouse's interview status.

In previous versions of RANDHRS, Wave 2H included proxy interviews for deceased Respondents and were given R2IWSTAT=3.Proxy Respondent; the Respondent is deceased at the time of the interview. From Version F forward, we exclude these deceased Respondents. There are no deceased Respondents in any other wave.

The Tracker file identified one additional Respondent as deceased at Wave 2H, but flags in the HRS W2 data indicate that this case actually completed the interview and then died. In previous versions of RANDHRS, this case had INW2=1 with R2IWSTAT=2 (Died after interview), and in skip patterns within the interview, the case was treated as living. From Version F forward, we treat this case as deceased in W2; that is, we use the Tracker file mortality status.

Cross Wave Differences in Original HRS Data

In Wave 2H, exit interviews (proxy interviews on the deceased) were included in the previous version of this file along with the core interviews. This is the only wave where deceased Respondents are included. Beginning with Version F, we excluded the deceased proxies.

With Tracker 2008, the xALIVE flag is sometimes zero or missing when an individual has been dropped from the sample. The xINSAMP code indicates why someone is dropped from the sample. In these cases, xINSAMP indicates why the Respondent has been dropped from the sample. Reasons are s/he was eligible to be an HRS-AHEAD overlap case but never responded to AHEAD (xINSAMP=4); alive but asked to be dropped from the study before the wave (xINSAMP=6); or for other reasons (xINSAMP=8).

HRS Variables Used

```
Tracker:
    AALIVE          1992 VITAL STATUS
    BALIVE          1993 VITAL STATUS
    CALIVE          1994 VITAL STATUS
    DALIVE          1995 VITAL STATUS
    EALIVE          1996 VITAL STATUS
    FALIVE          1998 VITAL STATUS
    GALIVE          2000 VITAL STATUS
    HALIVE          2002 VITAL STATUS
    JALIVE          2004 VITAL STATUS
    KALIVE          2006 VITAL STATUS
    LALIVE          2008 VITAL STATUS
    MALIVE          2010 VITAL STATUS
    NALIVE          2012 VITAL STATUS
    OALIVE          2014 VITAL STATUS
```

Sample Cohort

Wave	Variable Name	Variable Label	Type
1	HACOHORT	HACOHORT: Sample cohort	Categ
1	RACOHBYR	RACOHBYR: Cohort based on birth yr	Categ
1	S1COHBYR	S1COHBYR: Cohort based on birth yr	Categ
2	S2COHBYR	S2COHBYR: Cohort based on birth yr	Categ
3	S3COHBYR	S3COHBYR: Cohort based on birth yr	Categ
4	S4COHBYR	S4COHBYR: Cohort based on birth yr	Categ
5	S5COHBYR	S5COHBYR: Cohort based on birth yr	Categ
6	S6COHBYR	S6COHBYR: Cohort based on birth yr	Categ
7	S7COHBYR	S7COHBYR: Cohort based on birth yr	Categ
8	S8COHBYR	S8COHBYR: Cohort based on birth yr	Categ
9	S9COHBYR	S9COHBYR: Cohort based on birth yr	Categ
10	S10COHBYR	S10COHBYR: Cohort based on birth yr	Categ
11	S11COHBYR	S11COHBYR: Cohort based on birth yr	Categ
12	S12COHBYR	S12COHBYR: Cohort based on birth yr	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
HACOHORT	37495	3.24	1.67	0.0	6.0
RACOHBYR	37494	3.12	1.76	0.0	6.0
S1COHBYR	10279	3.05	0.72	0.0	6.0
S2COHBYR	13583	2.45	1.08	0.0	6.0
S3COHBYR	12247	2.52	1.07	0.0	6.0
S4COHBYR	14441	2.77	1.15	0.0	6.0
S5COHBYR	13002	2.84	1.13	0.0	6.0
S6COHBYR	11814	2.92	1.11	0.0	6.0
S7COHBYR	13305	3.34	1.35	0.0	6.0
S8COHBYR	11999	3.40	1.33	0.0	6.0
S9COHBYR	10948	3.46	1.32	0.0	6.0
S10COHBYR	14144	3.83	1.77	0.0	6.0
S11COHBYR	12954	3.89	1.77	0.0	6.0
S12COHBYR	11487	3.95	1.79	0.0	6.0

Categorical Variable Codes

Value	HACOHORT
0.Hrs/Ahead ovrlap	110
1.Ahead	8337
2.Coda	2428
3.Hrs	13593
4.WarBabies	2797
5.Early BabyBoomers	4975
6.Mid BabyBoomers	5255

Value	RACOHBYR
.M=Oth missing	1
0.Not in any cohort	1437
1.Ahead	7758
2.Coda	4231
3.Hrs	10498
4.WarBabies	3665
5.Early BabyBoomers	4812
6.Mid BabyBoomers	5093

Value	S1COHBYR	S2COHBYR	S3COHBYR	S4COHBYR	S5COHBYR	S6COHBYR	S7COHBYR
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		89	86	74	39	45	47
0.Not in any cohort	27	29	30	76	82	79	244
1.Ahead	219	3834	3094	2389	1812	1314	976
2.Coda	1019	1601	1435	2704	2396	2100	1868
3.Hrs	7446	6660	6292	5978	5568	5261	4967
4.WarBabies	1177	1108	1058	2443	2344	2261	2175
5.Early BabyBoomers	299	275	253	660	618	600	2390
6.Mid BabyBoomers	92	76	85	191	182	199	685

Value	S8COHBYR	S9COHBYR	S10COHBYR	S11COHBYR	S12COHBYR
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	53	63	91	126	138
0.Not in any cohort	226	229	1191	1117	1083
1.Ahead	692	483	267	158	82
2.Coda	1598	1328	1057	840	594
3.Hrs	4558	4209	3799	3410	2834
4.WarBabies	2068	1948	1997	1886	1708
5.Early BabyBoomers	2235	2135	2632	2518	2383
6.Mid BabyBoomers	622	616	3201	3025	2803

How Constructed

HACOHORT identifies the cohort in which the household was originally sampled. RACOHBYR identifies the cohort a Respondent fits into based on birth year.

There are six birth year cohorts in the HRS: 1) AHEAD, born before 1924; 2) the Children of Depression (CODA), born 1924-1930; 3) HRS, born 1931-1941; 4) War Babies (WB), born 1942-1947, (5) Early Baby Boomers (EBB), born 1948-1953, and (6) Mid Baby Boomer (MBB), born 1954-1959. The HRS sample was interviewed separately in 1992, 1994, and 1996. The AHEAD sample was interviewed separately in 1993 and 1995. The two studies were merged and the CODA and WB cohorts added in 1998. The EBB cohort was added in 2004. The MBB cohort was added in 2010.

HACOHORT does not necessarily reflect a birth year range, but indicates when and how the household entered the

study. The RACOHBYR variable indicates which cohort a person falls into based on birth year. In this version of the RAND HRS Data, all entry cohorts - HRS, AHEAD, CODA, WB, EBB and MBB - are included.

HACOHORT is assigned based on both response patterns and variables in the raw data that identify the cohort. HRS/AHEAD Overlap cases are identified as a separate category of their own. Please see the RAOVRLAP variable description for more information on these cases.

RACOHBYR is assigned based on RABYEAR. Those with birth years before 1924 are set to the AHEAD cohort, 1924-1930 are set to the CODA cohort, 1931-1941 are set to the HRS cohort, 1942-1947 are set to the WB cohort, 1948-1953 are set to the EBB cohort, and 1954-1959 are set to the MBB cohort. If birth year is missing, then RACOHBYR is missing. If birth year is after 1959, then RABCOHBYR is set to zero.

SwCOHBYR is taken from the Wave "w" spouse's value for RACOHBYR, i.e., based on the spouse's birth year.

See also RAHRSAMP, which identifies age-eligible members of the HRS cohort (HACOHORT=3 and RACHOBYR=3) who responded to HRS 1992, and RAAHDSMP, which identifies age-eligible members of the AHEAD cohort (HACOHORT=1 and RACOHBYR=1) who responded to AHEAD 1993.

NOTE: At least one Respondent in a household should have a birth year appropriate for the cohort (though this is not always the case), but spouses may not. From the HRS documentation on the weights, it appears that weights were assigned based on birth year, regardless of how a person entered the sample, beginning in 1998.

HRS Variables Used

```
HRS 1998:
    F461            PRELOAD COHORT
HRS 2000:
    G482            CS0Y9.PRELOAD ENTRY COHORT
HRS 2002:
    HZ023           WHICH COHORT
HRS 2004:
    JZ023           WHICH COHORT
HRS 2006:
    KZ023           WHICH COHORT
HRS 2008:
    LZ023           PREV WAVE WHICH COHORT
HRS 2010:
    MZ023           PREV WAVE WHICH COHORT -1
HRS 2012:
    NZ023           PREV WAVE WHICH COHORT
HRS 2014:
    OZ023           PREV WAVE WHICH COHORT
Tracker:
    HHID            HOUSEHOLD IDENTIFIER
    OVHHID          OVERLAP CASE: OLD HHID
    PN              PERSON NUMBER
```

Whether Eligible for the HRS Sample

Wave	Variable Name	Variable Label	Type
1	RAHRSAMP	RAHRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
1	S1HRSAMP	S1HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
2	S2HRSAMP	S2HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
3	S3HRSAMP	S3HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
4	S4HRSAMP	S4HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
5	S5HRSAMP	S5HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
6	S6HRSAMP	S6HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
7	S7HRSAMP	S7HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
8	S8HRSAMP	S8HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
9	S9HRSAMP	S9HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
10	S10HRSAMP	S10HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
11	S11HRSAMP	S11HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
12	S12HRSAMP	S12HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
1	RAAHDSMP	RAAHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
1	S1AHDSMP	S1AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
2	S2AHDSMP	S2AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
3	S3AHDSMP	S3AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
4	S4AHDSMP	S4AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
5	S5AHDSMP	S5AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
6	S6AHDSMP	S6AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
7	S7AHDSMP	S7AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
8	S8AHDSMP	S8AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
9	S9AHDSMP	S9AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
10	S10AHDSMP	S10AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
11	S11AHDSMP	S11AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
12	S12AHDSMP	S12AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAHRSAMP	37495	0.26	0.44	0.0	1.0
S1HRSAMP	10279	0.69	0.46	0.0	1.0
S2HRSAMP	13608	0.47	0.50	0.0	1.0
S3HRSAMP	12269	0.49	0.50	0.0	1.0
S4HRSAMP	14453	0.39	0.49	0.0	1.0
S5HRSAMP	13007	0.40	0.49	0.0	1.0
S6HRSAMP	11822	0.42	0.49	0.0	1.0
S7HRSAMP	13307	0.35	0.48	0.0	1.0
S8HRSAMP	12001	0.35	0.48	0.0	1.0
S9HRSAMP	10953	0.35	0.48	0.0	1.0
S10HRSAMP	14147	0.24	0.43	0.0	1.0
S11HRSAMP	12985	0.24	0.43	0.0	1.0
S12HRSAMP	11538	0.22	0.42	0.0	1.0
RAAHDSMP	37495	0.20	0.40	0.0	1.0
S1AHDSMP	10279	0.01	0.07	0.0	1.0
S2AHDSMP	13608	0.26	0.44	0.0	1.0
S3AHDSMP	12269	0.24	0.43	0.0	1.0
S4AHDSMP	14453	0.15	0.36	0.0	1.0
S5AHDSMP	13007	0.13	0.33	0.0	1.0
S6AHDSMP	11822	0.10	0.30	0.0	1.0

S7AHDSMP	13307	0.06	0.25	0.0	1.0
S8AHDSMP	12001	0.05	0.22	0.0	1.0
S9AHDSMP	10953	0.04	0.19	0.0	1.0
S10AHDSMP	14147	0.02	0.12	0.0	1.0
S11AHDSMP	12985	0.01	0.10	0.0	1.0
S12AHDSMP	11538	0.01	0.08	0.0	1.0

Categorical Variable Codes

Value	RAHRSAMP
0.Not in Sample	27733
1.In Samp,Hrs92 Resp b.1931	9762

Value	S1HRSAMP	S2HRSAMP	S3HRSAMP	S4HRSAMP	S5HRSAMP	S6HRSAMP	S7HRSAMP
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		64	64	62	34	37	45
0.Not in Sample	3167	7229	6257	8822	7761	6903	8681
1.In Samp,Hrs92 Resp b.1931	7112	6379	6012	5631	5246	4919	4626

Value	S8HRSAMP	S9HRSAMP	S10HRSAMP	S11HRSAMP	S12HRSAMP
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	51	58	88	95	87
0.Not in Sample	7782	7075	10711	9904	8969
1.In Samp,Hrs92 Resp b.1931	4219	3878	3436	3081	2569

Value	RAAHDSMP
0.Not in Sample	30053
1.In Sample,Ahd93 Resp b.be	7442

Value	S1AHDSMP	S2AHDSMP	S3AHDSMP	S4AHDSMP	S5AHDSMP	S6AHDSMP	S7AHDSMP
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		64	64	62	34	37	45
0.Not in Sample	10226	10026	9357	12239	11353	10627	12443
1.In Sample,Ahd93 Resp b.be	53	3582	2912	2214	1654	1195	864

Value	S8AHDSMP	S9AHDSMP	S10AHDSMP	S11AHDSMP	S12AHDSMP
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	51	58	88	95	87
0.Not in Sample	11402	10544	13928	12856	11468
1.In Sample,Ahd93 Resp b.be	599	409	219	129	70

How Constructed

These files contain observations for any individual who responded to any of the HRS or AHEAD waves, regardless of birth year.

RAHRSAMP identifies HRS-eligible individuals defined as those who are age-eligible and responded to Wave 1. HRS age-eligible individuals are those born from 1931 to 1941, according to RABDATE. A "1" indicates that the individual

is HRS-eligible, and a "0" indicates that he/she is not. The spouses of individuals in this sample may or may not be in the sample as well.

RAAHDSMP identifies AHEAD-eligible individuals defined as those who are age-eligible and responded to Wave 2A. AHEAD age-eligible individuals are those born prior to 1924, according to RABDATE. A "1" indicates that the individual is AHEAD-eligible, and a "0" indicates that he/she is not. The spouses of individuals in this sample may or may not be in the sample as well.

The SwHRSAMP and SwAHDSAMP variables indicate whether the Wave "w" spouse or partner is also in these files as a Respondent, i.e., whether the spouse is HRS or AHEAD age-eligible and responded to Wave 1 or Wave 2A, respectively. A "1" indicates that the spouse is in the sample, and a "0" indicates that he/she is not.

See also HACOHORT, which identifies how the household entered the study, regardless of Respondent age, and RACOHBYR, which identifies which cohort a Respondent fits into based on birth year.

[NOTE: RAHRSAMP is a renamed version of the original (Version A) RASAMPLE variable, to accommodate the addition of the CODA and WB cohorts.]

Sampling Weight

Wave	Variable Name	Variable Label	Type
1	RAWTSAMP	RAWTSAMP: Sampling Weight	Cont
1	RAESTRAT	RAESTRAT: Std Error Stratum	Cont
1	RAEHSAMP	RAEHSAMP: Stratum Half-Sample Code	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAWTSAMP	12652	0.76	0.26	0.3	1.0
RAESTRAT	37495	29.97	15.38	1.0	56.0
RAEHSAMP	37495	1.49	0.50	1.0	2.0

How Constructed

The sampling weight (RAWTSAMP) is taken directly from HRS 1992 variable V11, and is available only for HRS cohort Respondents in 1992. RAESTRAT and RAEHSAMP are taken directly from the Tracker variables STRATUM and SECU, respectively. These variables identify the stratum and half-sample respectively that can be used in calculating sampling error. They are described in the Tracker file documentation, and on the HRS web pages. (Intro/Guide -> Study Design -> Survey Design Through 1998, under "Sample Error Computation")

HRS Variables Used

```
HRS 1992:
    V11             WGT:SAMPLING WEIGHT
Tracker:
    SECU            SAMPLING ERROR COMPUTATION UNIT
    STRATUM         STRATUM ID
```

Household Analysis Weight

Wave	Variable Name	Variable Label	Type
1	R1WTHH	R1WTHH:W1 Household Analysis Weight	Cont
2	R2WTHH	R2WTHH:W2 Household Analysis Weight	Cont
3	R3WTHH	R3WTHH:W3 Household Analysis Weight	Cont
4	R4WTHH	R4WTHH:W4 Household Analysis Weight	Cont
5	R5WTHH	R5WTHH:W5 Household Analysis Weight	Cont
6	R6WTHH	R6WTHH:W6 Household Analysis Weight	Cont
7	R7WTHH	R7WTHH:W7 Household Analysis Weight	Cont
8	R8WTHH	R8WTHH:W8 Household Analysis Weight	Cont
9	R9WTHH	R9WTHH:W9 Household Analysis Weight	Cont
10	R10WTHH	R10WTHH:W10 Household Analysis Weight	Cont
11	R11WTHH	R11WTHH:W11 Household Analysis Weight	Cont
12	R12WTHH	R12WTHH:W12 Household Analysis Weight	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1WTHH	12652	2408.41	1052.21	0.0	7380.0
R2WTHH	19642	2710.33	1200.69	0.0	10003.0
R3WTHH	17991	2792.74	1315.28	0.0	11557.0
R4WTHH	21384	3238.12	1911.60	0.0	13512.0
R5WTHH	19579	3386.56	2125.09	0.0	25973.0
R6WTHH	18165	3562.30	2222.33	0.0	13193.0
R7WTHH	20129	3918.32	2580.83	0.0	13146.0
R8WTHH	18469	4093.87	2801.06	0.0	14375.0
R9WTHH	17217	4158.92	2870.62	0.0	13209.0
R10WTHH	22034	4215.08	3447.82	0.0	17462.0
R11WTHH	20554	4338.55	3654.94	0.0	17875.0
R12WTHH	18748	4502.54	3837.90	0.0	18411.0

How Constructed

The household weights are taken directly from the Tracker file.

In 2010 HRS updated the household weight variables, due to a change in the CPS weights, and in part due to a calculation error.

An HRS analysis shows that these revisions do not substantially alter the weights, and do not significantly affect weighted distributions of key variables. Analyses done with the earlier versions of sampling weights should not in general require revision. Some possible exceptions include analyses that present population estimates (counts or percentages) for the 1995 AHEAD cohort or for the EBB non-minority (White/other) sample. Analyses that compare the EBB non-minority cohort to other subgroups may also be affected by the new weights. The full report can be found on the HRS website in the data description for the 2010 tracker file.

Cross Wave Differences in Original HRS Data

The household weights on the Tracker file are based on WGTBYR, which may differ from the Respondent's BIRTHYR used as the basis for birth year derived on these files. If the WGTBYR for someone in the HRS cohort sample (see HACOHORT) is outside of 1931-1941 or missing for all Respondents in a household, then the household may have a zero weight in W1, but still be HRS eligible (someone born 1931-1941) according to the household member's BIRTHYR. The same is also true for the AHEAD sample, the only difference being that these individuals were born prior to 1924. WGTBYR was provided as a variable on Tracker V2.0 but is not included in the current file. Other variables are available on the current Tracker which may help analysts determine why weights are not as expected. They are xWHY0WGT (where "x" is A through K depending on the interview year), xWHY0RWT (beginning in 2004), and WTCOHORT, which gives the birth cohort used for calculating weights.

The weights are structured to match the CPS which includes living, non-institutionalized Respondents. A household where the only or both Respondents are institutionalized at the time of the interview (e.g., living in a nursing home) will have zero household weights for that wave.

HRS Respondents who were given to the AHEAD study (overlap households) are assigned a weight of zero for HRS Wave 1.

Thus, there are cases where Respondents in a given wave have zero household weight for the wave on these files.

Note also that in HRS 1998, the AHEAD and HRS cohorts are combined, and the CODA and WB cohorts are added. The weights derived for waves from 1998 forward used Respondents from ALL cohorts (age-eligible for the entry cohort or not) to match the CPS-reported population sums. This means that some of the weight for the HRS birth year entry cohort is assigned to Respondents in other cohorts who happen to have been born 1931-1941, and some of the weight assigned to HRS birth year entry cohort Respondents outside the 1931-1941 range, accounts for some of the weight for other birth year entry cohorts.

HRS Variables Used

```
Tracker:
    AWGTHH          1992 WEIGHT: HOUSEHOLD-LEVEL
    BWGTHH          1993 WEIGHT: HOUSEHOLD-LEVEL
    CWGTHH          1994 WEIGHT: HOUSEHOLD-LEVEL
    DWGTHH          1995 WEIGHT: HOUSEHOLD-LEVEL
    EWGTHH          1996 WEIGHT: HOUSEHOLD-LEVEL
    FWGTHH          1998 WEIGHT: HOUSEHOLD-LEVEL
    GWGTHH          2000 WEIGHT: HOUSEHOLD-LEVEL
    HWGTHH          2002 WEIGHT: HOUSEHOLD LEVEL
    JWGTHH          2004 WEIGHT: HOUSEHOLD LEVEL
    KWGTHH          2006 WEIGHT: HOUSEHOLD LEVEL
    LWGTHH          2008 WEIGHT: HOUSEHOLD LEVEL
    MWGTHH          2010 WEIGHT: HOUSEHOLD LEVEL
    NWGTHH          2012 WEIGHT: HOUSEHOLD LEVEL
    OWGTHH          2014 WEIGHT: HOUSEHOLD LEVEL
```

Person-Level Analysis Weight

Wave	Variable Name	Variable Label	Type
1	R1WTRESP	R1WTRESP:W1 Person-Level Analysis Weight	Cont
2	R2WTRESP	R2WTRESP:W2 Person-Level Analysis Weight	Cont
3	R3WTRESP	R3WTRESP:W3 Person-Level Analysis Weight	Cont
4	R4WTRESP	R4WTRESP:W4 Person-Level Analysis Weight	Cont
5	R5WTRESP	R5WTRESP:W5 Person-Level Analysis Weight	Cont
6	R6WTRESP	R6WTRESP:W6 Person-Level Analysis Weight	Cont
7	R7WTRESP	R7WTRESP:W7 Person-Level Analysis Weight	Cont
8	R8WTRESP	R8WTRESP:W8 Person-Level Analysis Weight	Cont
9	R9WTRESP	R9WTRESP:W9 Person-Level Analysis Weight	Cont
10	R10WTRESP	R10WTRESP:W10 Person-Level Analysis Weight	Cont
11	R11WTRESP	R11WTRESP:W11 Person-Level Analysis Weight	Cont
12	R12WTRESP	R12WTRESP:W12 Person-Level Analysis Weight	Cont
1	S1WTRESP	S1WTRESP:W1 Person-Level Analysis Weight	Cont
2	S2WTRESP	S2WTRESP:W2 Person-Level Analysis Weight	Cont
3	S3WTRESP	S3WTRESP:W3 Person-Level Analysis Weight	Cont
4	S4WTRESP	S4WTRESP:W4 Person-Level Analysis Weight	Cont
5	S5WTRESP	S5WTRESP:W5 Person-Level Analysis Weight	Cont
6	S6WTRESP	S6WTRESP:W6 Person-Level Analysis Weight	Cont
7	S7WTRESP	S7WTRESP:W7 Person-Level Analysis Weight	Cont
8	S8WTRESP	S8WTRESP:W8 Person-Level Analysis Weight	Cont
9	S9WTRESP	S9WTRESP:W9 Person-Level Analysis Weight	Cont
10	S10WTRESP	S10WTRESP:W10 Person-Level Analysis Weight	Cont
11	S11WTRESP	S11WTRESP:W11 Person-Level Analysis Weight	Cont
12	S12WTRESP	S12WTRESP:W12 Person-Level Analysis Weight	Cont
5	R5WTR_NH	R5WTR_NH:W5 NursHm Resident Analysis Weight	Cont
6	R6WTR_NH	R6WTR_NH:W6 NursHm Resident Analysis Weight	Cont
7	R7WTR_NH	R7WTR_NH:W7 NursHm Resident Analysis Weight	Cont
8	R8WTR_NH	R8WTR_NH:W8 NursHm Resident Analysis Weight	Cont
9	R9WTR_NH	R9WTR_NH:W9 NursHm Resident Analysis Weight	Cont
10	R10WTR_NH	R10WTR_NH:W10 NursHm Resident Analysis Weight	Cont
11	R11WTR_NH	R11WTR_NH:W11 NursHm Resident Analysis Weight	Cont
5	S5WTR_NH	S5WTR_NH:W5 NursHm Resident Analysis Weight	Cont
6	S6WTR_NH	S6WTR_NH:W6 NursHm Resident Analysis Weight	Cont
7	S7WTR_NH	S7WTR_NH:W7 NursHm Resident Analysis Weight	Cont
8	S8WTR_NH	S8WTR_NH:W8 NursHm Resident Analysis Weight	Cont
9	S9WTR_NH	S9WTR_NH:W9 NursHm Resident Analysis Weight	Cont
10	S10WTR_NH	S10WTR_NH:W10 NursHm Resident Analysis Weight	Cont
11	S11WTR_NH	S11WTR_NH:W11 NursHm Resident Analysis Weight	Cont
1	R1WTCRNH	R1WTCRNH:W1 Combined Respondent weight and NursHm Resident wei	Cont
2	R2WTCRNH	R2WTCRNH:W2 Combined Respondent weight and NursHm Resident wei	Cont
3	R3WTCRNH	R3WTCRNH:W3 Combined Respondent weight and NursHm Resident wei	Cont
4	R4WTCRNH	R4WTCRNH:W4 Combined Respondent weight and NursHm Resident wei	Cont
5	R5WTCRNH	R5WTCRNH:W5 Combined Respondent weight and NursHm Resident wei	Cont
6	R6WTCRNH	R6WTCRNH:W6 Combined Respondent weight and NursHm Resident wei	Cont
7	R7WTCRNH	R7WTCRNH:W7 Combined Respondent weight and NursHm Resident wei	Cont
8	R8WTCRNH	R8WTCRNH:W8 Combined Respondent weight and NursHm Resident wei	Cont
9	R9WTCRNH	R9WTCRNH:W9 Combined Respondent weight and NursHm Resident wei	Cont
10	R10WTCRNH	R10WTCRNH:W10 Combined Respondent weight and NursHm Resident w	Cont
11	R11WTCRNH	R11WTCRNH:W11 Combined Respondent weight and NursHm Resident w	Cont
12	R12WTCRNH	R12WTCRNH:W12 Combined Respondent weight and NursHm Resident w	Cont
1	S1WTCRNH	S1WTCRNH:W1 Combined Respondent weight and NursHm Resident wei	Cont
2	S2WTCRNH	S2WTCRNH:W2 Combined Respondent weight and NursHm Resident wei	Cont
3	S3WTCRNH	S3WTCRNH:W3 Combined Respondent weight and NursHm Resident wei	Cont
4	S4WTCRNH	S4WTCRNH:W4 Combined Respondent weight and NursHm Resident wei	Cont
5	S5WTCRNH	S5WTCRNH:W5 Combined Respondent weight and NursHm Resident wei	Cont
6	S6WTCRNH	S6WTCRNH:W6 Combined Respondent weight and NursHm Resident wei	Cont
7	S7WTCRNH	S7WTCRNH:W7 Combined Respondent weight and NursHm Resident wei	Cont
8	S8WTCRNH	S8WTCRNH:W8 Combined Respondent weight and NursHm Resident wei	Cont
9	S9WTCRNH	S9WTCRNH:W9 Combined Respondent weight and NursHm Resident wei	Cont
10	S10WTCRNH	S10WTCRNH:W10 Combined Respondent weight and NursHm Resident w	Cont
11	S11WTCRNH	S11WTCRNH:W11 Combined Respondent weight and NursHm Resident w	Cont

```
12    S12WTCRNH            S12WTCRNH:W12 Combined Respondent weight and NursHm Resident w Cont
```

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1WTRESP	12652	1939.03	1378.59	0.0	7710.0
R2WTRESP	19642	2346.18	1503.49	0.0	10956.0
R3WTRESP	17991	2367.79	1604.28	0.0	13795.0
R4WTRESP	21384	3189.06	1972.98	0.0	16153.0
R5WTRESP	19579	3288.55	2149.96	0.0	27408.0
R6WTRESP	18165	3415.77	2241.68	0.0	19101.0
R7WTRESP	20129	3985.39	2834.74	0.0	16170.0
R8WTRESP	18469	4154.28	3019.87	0.0	17035.0
R9WTRESP	17217	4220.44	3113.39	0.0	16558.0
R10WTRESP	22034	4304.30	3734.48	0.0	19408.0
R11WTRESP	20554	4412.71	3923.57	0.0	19866.0
R12WTRESP	18748	4614.57	4151.11	0.0	20348.0
S1WTRESP	9900	1830.30	1419.98	0.0	7710.0
S2WTRESP	13088	2186.32	1589.97	0.0	10956.0
S3WTRESP	11915	2187.79	1636.49	0.0	13795.0
S4WTRESP	13978	3069.16	1883.98	0.0	16153.0
S5WTRESP	12730	3202.42	2023.21	0.0	12159.0
S6WTRESP	11639	3367.77	2220.86	0.0	19101.0
S7WTRESP	12972	4033.28	2869.39	0.0	16170.0
S8WTRESP	11735	4243.69	3075.27	0.0	17035.0
S9WTRESP	10646	4333.94	3211.33	0.0	16558.0
S10WTRESP	13513	4384.00	3745.25	0.0	19408.0
S11WTRESP	12488	4508.76	3954.19	0.0	19866.0
S12WTRESP	11031	4778.41	4233.40	0.0	20348.0
R5WTR_NH	19579	84.61	612.63	0.0	9498.0
R6WTR_NH	18165	89.55	624.88	0.0	11127.0
R7WTR_NH	20129	78.25	578.51	0.0	10138.0
R8WTR_NH	18469	81.93	586.14	0.0	12630.0
R9WTR_NH	17217	83.44	578.26	0.0	12516.0
R10WTR_NH	22032	62.56	491.57	0.0	11755.0
R11WTR_NH	20554	66.62	499.09	0.0	9642.0
S5WTR_NH	12730	27.71	369.95	0.0	9498.0
S6WTR_NH	11639	27.31	377.44	0.0	11127.0
S7WTR_NH	12972	22.13	317.95	0.0	10138.0
S8WTR_NH	11735	24.09	310.72	0.0	10270.0
S9WTR_NH	10646	23.65	310.21	0.0	12516.0
S10WTR_NH	13513	24.24	307.57	0.0	9018.0
S11WTR_NH	12488	23.73	312.15	0.0	9642.0
R1WTCRNH	12652	1939.03	1378.59	0.0	7710.0
R2WTCRNH	19642	2346.18	1503.49	0.0	10956.0
R3WTCRNH	17991	2367.79	1604.28	0.0	13795.0
R4WTCRNH	21384	3189.06	1972.98	0.0	16153.0
R5WTCRNH	19579	3373.16	2107.40	0.0	27408.0
R6WTCRNH	18165	3505.32	2191.75	0.0	19101.0
R7WTCRNH	20129	4063.64	2783.29	0.0	16170.0
R8WTCRNH	18469	4236.21	2963.52	0.0	17035.0
R9WTCRNH	17217	4303.88	3053.39	0.0	16558.0

R10WTCRNH	22034	4366.85	3694.52	0.0	19408.0
R11WTCRNH	20554	4479.33	3880.14	0.0	19866.0
R12WTCRNH	18748	4614.57	4151.11	0.0	20348.0
S1WTCRNH	9900	1830.30	1419.98	0.0	7710.0
S2WTCRNH	13088	2186.32	1589.97	0.0	10956.0
S3WTCRNH	11915	2187.79	1636.49	0.0	13795.0
S4WTCRNH	13978	3069.16	1883.98	0.0	16153.0
S5WTCRNH	12730	3230.13	2013.15	0.0	12159.0
S6WTCRNH	11639	3395.08	2211.49	0.0	19101.0
S7WTCRNH	12972	4055.41	2855.85	0.0	16170.0
S8WTCRNH	11735	4267.78	3057.67	0.0	17035.0
S9WTCRNH	10646	4357.60	3194.34	0.0	16558.0
S10WTCRNH	13513	4408.25	3729.46	0.0	19408.0
S11WTCRNH	12488	4532.49	3939.41	0.0	19866.0
S12WTCRNH	11031	4778.41	4233.40	0.0	20348.0

How Constructed

The person-level weights are taken directly from the Tracker file and assigned to RwWTRESP. The person-level weights apply to those residing in the community, so are zero for those living in a nursing home.

From Wave 5 to 10, HRS provides weights for individuals living in a nursing home. These weights are provided in RwWTR_NH. For those not living in a nursing home, these weights are zero.

RwWTCRNH is the person-level weight and the nursing home weight combined. For those not living in a nursing home, RwWTCRNH equals RwWTRESP and for those living in a nursing home, RwWTCRNH equals RwWTR_NH.

The spouse's person-level weight is taken from the Wave "w" spouse's variable, i.e., from the Wave "w" spouse's RwWTRESP, RwWTR_NH or RwWTCRNH.

In 2010 HRS updated the weight variables, due to a change in the CPS weights, and in part due to a calculation error.

An HRS analysis shows that these revisions do not substantially alter the weights, and do not significantly affect weighted distributions of key variables. Analyses done with the earlier versions of sampling weights should not, in general, require revision. Some possible exceptions include analyses that present population estimates (counts or percentages) for the 1995 AHEAD cohort, or for the EBB non-minority (White/other) sample. Analyses that compare the EBB non-minority cohort to other subgroups may also be affected by the new weights. The full report can be found on the HRS website in the data description for the 2010 tracker file.

Cross Wave Differences in Original HRS Data

The standard HRS weights are structured to match the CPS which includes living, non-institutionalized Respondents. HRS sets these person-level weights to zero for those not age-eligible, living outside the U.S., or living in a nursing home. In 2000 and 2002, HRS provides separate person-level weights for nursing home residents.

The person-level weights on the Tracker file are based on WGTBYR which differ from the Respondent's BIRTHYR used as the basis for birth year derived on these files. If the WGTBYR for someone in the HRS cohort sample (see

HACOHORT) is outside of 1931-1941 or missing, then a Respondent may have a zero weight in W1, but still be HRS eligible (someone born 1931-1941) according to BIRTHYR. The same is also true for the AHEAD sample, the only difference being that these individuals were born prior to 1924. WGTBYR was provided as a variable on Tracker V2.0, but has not been included on more recent versions of Tracker. Other variables available on more recent versions of Tracker may help analysts determine why weights are not as expected. They are xWHY0WGT (where "x" is A through K depending on the interview year), xWHY0RWT (beginning in 2004), and WTCOHORT, which gives the birth cohort used for calculating weights.

A Respondent who is institutionalized, e.g., in a nursing home, at the time of the interview will have zero person-level weight for that wave.

HRS Respondents who were given to the AHEAD study (overlap households) are assigned a weight of zero for HRS Wave 1.

Thus, there are cases where Respondents in a given wave have a zero person-level weight for the wave on these files.

Note also that in HRS 1998 the AHEAD and HRS cohorts are combined, and the CODA and WB cohorts are added. The weights derived for waves from 1998 forward used Respondents from ALL cohorts (age-eligible for the entry cohort or not) to match the CPS-reported population sums. This means that some of the weight for the HRS birth year entry cohort is assigned to Respondents in other cohorts who happen to have been born 1931-1941, and some of the weight assigned to HRS birth year entry cohort Respondents outside the 1931-1941 range, accounts for some of the weight for other birth year entry cohorts.

HRS Variables Used

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Tracker:
    AWGTR           1992 WEIGHT: RESPONDENT-LEVEL
    BWGTR           1993 WEIGHT: RESPONDENT-LEVEL
    CWGTR           1994 WEIGHT: RESPONDENT-LEVEL
    DWGTR           1995 WEIGHT: RESPONDENT-LEVEL
    EWGTR           1996 WEIGHT: RESPONDENT-LEVEL
    FWGTR           1998 WEIGHT: RESPONDENT-LEVEL
    GWGTR           2000 WEIGHT: RESPONDENT-LEVEL
    GWGTRNH         2000 WEIGHT: NURSING HOME RESIDENT
    HWGTR           2002 WEIGHT: RESPONDENT-LEVEL
    HWGTRNH         2002 WEIGHT: NURSING HOME RESIDENT
    JWGTR           2004 WEIGHT: RESPONDENT LEVEL
    JWGTRNH         2004 WEIGHT: NURSING HOME RESIDENT
    KWGTR           2006 WEIGHT: RESPONDENT LEVEL
    KWGTRNH         2006 WEIGHT: NURSING HOME RESIDENT
    LWGTR           2008 WEIGHT: RESPONDENT LEVEL
    LWGTRNH         2008 WEIGHT: NURSING HOME RESIDENT
    MWGTR           2010 WEIGHT: RESPONDENT LEVEL
    MWGTRNH         2010 WEIGHT: NURSING HOME RESIDENT
    NWGTR           2012 WEIGHT: RESPONDENT LEVEL
    OWGTR           2014 WEIGHT: RESONDENT LEVEL
```

Number of Household Respondents

Wave	Variable Name	Variable Label	Type
1	H1HHRESP	H1HHRESP:W1 # core respondents in HH	Cont
2	H2HHRESP	H2HHRESP:W2 # core respondents in HH	Cont
3	H3HHRESP	H3HHRESP:W3 # core respondents in HH	Cont
4	H4HHRESP	H4HHRESP:W4 # core respondents in HH	Cont
5	H5HHRESP	H5HHRESP:W5 # core respondents in HH	Cont
6	H6HHRESP	H6HHRESP:W6 # core respondents in HH	Cont
7	H7HHRESP	H7HHRESP:W7 # core respondents in HH	Cont
8	H8HHRESP	H8HHRESP:W8 # core respondents in HH	Cont
9	H9HHRESP	H9HHRESP:W9 # core respondents in HH	Cont
10	H10HHRESP	H10HHRESP:W10 # core respondents in HH	Cont
11	H11HHRESP	H11HHRESP:W11 # core respondents in HH	Cont
12	H12HHRESP	H12HHRESP:W12 # core respondents in HH	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1HHRESP	12652	1.78	0.41	1.0	2.0
H2HHRESP	19642	1.67	0.47	1.0	2.0
H3HHRESP	17991	1.66	0.47	1.0	2.0
H4HHRESP	21384	1.65	0.48	1.0	2.0
H5HHRESP	19579	1.65	0.48	1.0	2.0
H6HHRESP	18165	1.64	0.48	1.0	2.0
H7HHRESP	20129	1.64	0.48	1.0	2.0
H8HHRESP	18469	1.64	0.48	1.0	2.0
H9HHRESP	17217	1.62	0.49	1.0	2.0
H10HHRESP	22034	1.61	0.49	1.0	2.0
H11HHRESP	20554	1.61	0.49	1.0	2.0
H12HHRESP	18748	1.59	0.49	1.0	2.0

How Constructed

HwHHRESP is the number of individuals in the household who actually responded at each wave. It counts the Respondent and spouse, if any, and if the spouse responded, takes on a value of 1 or 2. Individuals with a value greater than zero for INWw are counted by wave-specific household, i.e., by a sub-household ID, which is included in HwHHID.

The value is missing if an individual did not respond in Wave 'w.' Thus, HwHHRESP is simply an indicator of whether the individual is the only Respondent in the household or not.

HRS Variables Used

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Tracker:
    ASUBHH          1992 SUB-HOUSEHOLD IDENTIFIER
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
    DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
    ESUBHH          1996 SUB-HOUSEHOLD IDENTIFIER
    FSUBHH          1998 SUB-HOUSEHOLD IDENTIFIER
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GSUBHH          2000 SUB-HOUSEHOLD IDENTIFIER
HHID            HOUSEHOLD IDENTIFIER
HSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
```

Whether Couple Household

Wave	Variable Name	Variable Label	Type
1	H1CPL	H1CPL:W1 Whether couple HHold	Categ
2	H2CPL	H2CPL:W2 Whether couple HHold	Categ
3	H3CPL	H3CPL:W3 Whether couple HHold	Categ
4	H4CPL	H4CPL:W4 Whether couple HHold	Categ
5	H5CPL	H5CPL:W5 Whether couple HHold	Categ
6	H6CPL	H6CPL:W6 Whether couple HHold	Categ
7	H7CPL	H7CPL:W7 Whether couple HHold	Categ
8	H8CPL	H8CPL:W8 Whether couple HHold	Categ
9	H9CPL	H9CPL:W9 Whether couple HHold	Categ
10	H10CPL	H10CPL:W10 Whether couple HHold	Categ
11	H11CPL	H11CPL:W11 Whether couple HHold	Categ
12	H12CPL	H12CPL:W12 Whether couple HHold	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1CPL	12652	0.81	0.39	0.0	1.0
H2CPL	19642	0.70	0.46	0.0	1.0
H3CPL	17991	0.69	0.46	0.0	1.0
H4CPL	21384	0.68	0.47	0.0	1.0
H5CPL	19579	0.67	0.47	0.0	1.0
H6CPL	18165	0.65	0.48	0.0	1.0
H7CPL	20129	0.66	0.47	0.0	1.0
H8CPL	18469	0.65	0.48	0.0	1.0
H9CPL	17217	0.64	0.48	0.0	1.0
H10CPL	22034	0.65	0.48	0.0	1.0
H11CPL	20554	0.64	0.48	0.0	1.0
H12CPL	18748	0.62	0.49	0.0	1.0

Categorical Variable Codes

Value	H1CPL	H2CPL	H3CPL	H4CPL	H5CPL	H6CPL	H7CPL
0.Not a couple HH	2373	5970	5658	6869	6538	6306	6777
1.Couple HH	10279	13672	12333	14515	13041	11859	13352

Value	H8CPL	H9CPL	H10CPL	H11CPL	H12CPL
0.Not a couple HH	6417	6205	7799	7474	7123
1.Couple HH	12052	11012	14235	13080	11625

How Constructed

HwCPL indicates whether this household is treated as a couple household or not. Households in HRS can consist of a single Respondent or a couple. HwCPL is set to "1" if the Respondent is married (RwMSTAT or RwMSTATH is married or partnered), partnered (RwMPART=1), or if there are two Respondents in the wave-specific household (HwHHRESP=2). Otherwise a single Respondent is assumed, and HwCPL is set to "0." As with most other RAND HRS variables, HwCPL is missing in waves where the Respondent does not respond.

Financial, Family Respondent

Wave	Variable Name	Variable Label	Type
1	R1FAMR	R1FAMR:W1 Whether Family Resp	Categ
2	R2FAMR	R2FAMR:W2 Whether Family Resp	Categ
3	R3FAMR	R3FAMR:W3 Whether Family Resp	Categ
4	R4FAMR	R4FAMR:W4 Whether Family Resp	Categ
5	R5FAMR	R5FAMR:W5 Whether Family Resp	Categ
6	R6FAMR	R6FAMR:W6 Whether Family Resp	Categ
7	R7FAMR	R7FAMR:W7 Whether Family Resp	Categ
8	R8FAMR	R8FAMR:W8 Whether Family Resp	Categ
9	R9FAMR	R9FAMR:W9 Whether Family Resp	Categ
10	R10FAMR	R10FAMR:W10 Whether Family Resp	Categ
11	R11FAMR	R11FAMR:W11 Whether Family Resp	Categ
12	R12FAMR	R12FAMR:W12 Whether Family Resp	Categ
1	S1FAMR	S1FAMR:W1 Whether Family Resp	Categ
2	S2FAMR	S2FAMR:W2 Whether Family Resp	Categ
3	S3FAMR	S3FAMR:W3 Whether Family Resp	Categ
4	S4FAMR	S4FAMR:W4 Whether Family Resp	Categ
5	S5FAMR	S5FAMR:W5 Whether Family Resp	Categ
6	S6FAMR	S6FAMR:W6 Whether Family Resp	Categ
7	S7FAMR	S7FAMR:W7 Whether Family Resp	Categ
8	S8FAMR	S8FAMR:W8 Whether Family Resp	Categ
9	S9FAMR	S9FAMR:W9 Whether Family Resp	Categ
10	S10FAMR	S10FAMR:W10 Whether Family Resp	Categ
11	S11FAMR	S11FAMR:W11 Whether Family Resp	Categ
12	S12FAMR	S12FAMR:W12 Whether Family Resp	Categ
1	R1FINR	R1FINR:W1 Whether Financial Resp	Categ
2	R2FINR	R2FINR:W2 Whether Financial Resp	Categ
3	R3FINR	R3FINR:W3 Whether Financial Resp	Categ
4	R4FINR	R4FINR:W4 Whether Financial Resp	Categ
5	R5FINR	R5FINR:W5 Whether Financial Resp	Categ
6	R6FINR	R6FINR:W6 Whether Financial Resp	Categ
7	R7FINR	R7FINR:W7 Whether Financial Resp	Categ
8	R8FINR	R8FINR:W8 Whether Financial Resp	Categ
9	R9FINR	R9FINR:W9 Whether Financial Resp	Categ
10	R10FINR	R10FINR:W10 Whether Financial Resp	Categ
11	R11FINR	R11FINR:W11 Whether Financial Resp	Categ
12	R12FINR	R12FINR:W12 Whether Financial Resp	Categ
1	S1FINR	S1FINR:W1 Whether Financial Resp	Categ
2	S2FINR	S2FINR:W2 Whether Financial Resp	Categ
3	S3FINR	S3FINR:W3 Whether Financial Resp	Categ
4	S4FINR	S4FINR:W4 Whether Financial Resp	Categ
5	S5FINR	S5FINR:W5 Whether Financial Resp	Categ
6	S6FINR	S6FINR:W6 Whether Financial Resp	Categ
7	S7FINR	S7FINR:W7 Whether Financial Resp	Categ
8	S8FINR	S8FINR:W8 Whether Financial Resp	Categ
9	S9FINR	S9FINR:W9 Whether Financial Resp	Categ
10	S10FINR	S10FINR:W10 Whether Financial Resp	Categ
11	S11FINR	S11FINR:W11 Whether Financial Resp	Categ
12	S12FINR	S12FINR:W12 Whether Financial Resp	Categ
1	H1ANYFAM	H1ANYFAM:W1 Whether any FamR in HH	Categ
2	H2ANYFAM	H2ANYFAM:W2 Whether any FamR in HH	Categ
3	H3ANYFAM	H3ANYFAM:W3 Whether any FamR in HH	Categ
4	H4ANYFAM	H4ANYFAM:W4 Whether any FamR in HH	Categ
5	H5ANYFAM	H5ANYFAM:W5 Whether any FamR in HH	Categ
6	H6ANYFAM	H6ANYFAM:W6 Whether any FamR in HH	Categ
7	H7ANYFAM	H7ANYFAM:W7 Whether any FamR in HH	Categ
8	H8ANYFAM	H8ANYFAM:W8 Whether any FamR in HH	Categ
9	H9ANYFAM	H9ANYFAM:W9 Whether any FamR in HH	Categ
10	H10ANYFAM	H10ANYFAM:W10 Whether any FamR in HH	Categ
11	H11ANYFAM	H11ANYFAM:W11 Whether any FamR in HH	Categ
12	H12ANYFAM	H12ANYFAM:W12 Whether any FamR in HH	Categ
1	H1ANYFIN	H1ANYFIN:W1 Whether any FinR in HH	Categ

2	H2ANYFIN	H2ANYFIN:W2 Whether any FinR in HH	Categ
3	H3ANYFIN	H3ANYFIN:W3 Whether any FinR in HH	Categ
4	H4ANYFIN	H4ANYFIN:W4 Whether any FinR in HH	Categ
5	H5ANYFIN	H5ANYFIN:W5 Whether any FinR in HH	Categ
6	H6ANYFIN	H6ANYFIN:W6 Whether any FinR in HH	Categ
7	H7ANYFIN	H7ANYFIN:W7 Whether any FinR in HH	Categ
8	H8ANYFIN	H8ANYFIN:W8 Whether any FinR in HH	Categ
9	H9ANYFIN	H9ANYFIN:W9 Whether any FinR in HH	Categ
10	H10ANYFIN	H10ANYFIN:W10 Whether any FinR in HH	Categ
11	H11ANYFIN	H11ANYFIN:W11 Whether any FinR in HH	Categ
12	H12ANYFIN	H12ANYFIN:W12 Whether any FinR in HH	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1FAMR	12652	0.60	0.49	0.0	1.0
R2FAMR	19642	0.66	0.47	0.0	1.0
R3FAMR	17991	0.67	0.47	0.0	1.0
R4FAMR	21384	0.66	0.47	0.0	1.0
R5FAMR	19579	0.67	0.47	0.0	1.0
R6FAMR	18165	0.68	0.47	0.0	1.0
R7FAMR	20129	0.67	0.47	0.0	1.0
R8FAMR	18469	0.68	0.47	0.0	1.0
R9FAMR	17217	0.69	0.46	0.0	1.0
R10FAMR	22034	0.68	0.47	0.0	1.0
R11FAMR	20554	0.69	0.46	0.0	1.0
R12FAMR	18748	0.70	0.46	0.0	1.0
S1FAMR	9900	0.50	0.50	0.0	1.0
S2FAMR	13088	0.50	0.50	0.0	1.0
S3FAMR	11915	0.50	0.50	0.0	1.0
S4FAMR	13978	0.50	0.50	0.0	1.0
S5FAMR	12730	0.50	0.50	0.0	1.0
S6FAMR	11639	0.50	0.50	0.0	1.0
S7FAMR	12972	0.50	0.50	0.0	1.0
S8FAMR	11735	0.50	0.50	0.0	1.0
S9FAMR	10646	0.50	0.50	0.0	1.0
S10FAMR	13513	0.50	0.50	0.0	1.0
S11FAMR	12488	0.50	0.50	0.0	1.0
S12FAMR	11031	0.50	0.50	0.0	1.0
R1FINR	12652	0.60	0.49	0.0	1.0
R2FINR	19642	0.66	0.47	0.0	1.0
R3FINR	17991	0.66	0.47	0.0	1.0
R4FINR	21384	0.67	0.47	0.0	1.0
R5FINR	19579	0.67	0.47	0.0	1.0
R6FINR	18165	0.68	0.47	0.0	1.0
R7FINR	20129	0.67	0.47	0.0	1.0
R8FINR	18469	0.68	0.47	0.0	1.0
R9FINR	17217	0.69	0.46	0.0	1.0
R10FINR	22034	0.69	0.46	0.0	1.0
R11FINR	20554	0.69	0.46	0.0	1.0
R12FINR	18748	0.70	0.46	0.0	1.0
S1FINR	9900	0.50	0.50	0.0	1.0
S2FINR	13088	0.50	0.50	0.0	1.0
S3FINR	11915	0.50	0.50	0.0	1.0

S4FINR	13978	0.50	0.50	0.0	1.0
S5FINR	12730	0.50	0.50	0.0	1.0
S6FINR	11639	0.50	0.50	0.0	1.0
S7FINR	12972	0.50	0.50	0.0	1.0
S8FINR	11735	0.50	0.50	0.0	1.0
S9FINR	10646	0.50	0.50	0.0	1.0
S10FINR	13513	0.50	0.50	0.0	1.0
S11FINR	12488	0.50	0.50	0.0	1.0
S12FINR	11031	0.50	0.50	0.0	1.0
H1ANYFAM	12652	0.99	0.11	0.0	1.0
H2ANYFAM	19642	0.99	0.10	0.0	1.0
H3ANYFAM	17991	1.00	0.06	0.0	1.0
H4ANYFAM	21384	0.99	0.10	0.0	1.0
H5ANYFAM	19579	0.99	0.07	0.0	1.0
H6ANYFAM	18165	1.00	0.01	0.0	1.0
H7ANYFAM	20129	0.99	0.08	0.0	1.0
H8ANYFAM	18469	1.00	0.07	0.0	1.0
H9ANYFAM	17217	1.00	0.07	0.0	1.0
H10ANYFAM	22034	0.99	0.12	0.0	1.0
H11ANYFAM	20554	0.99	0.09	0.0	1.0
H12ANYFAM	18748	0.99	0.10	0.0	1.0
H1ANYFIN	12652	0.99	0.09	0.0	1.0
H2ANYFIN	19642	0.99	0.09	0.0	1.0
H3ANYFIN	17991	1.00	0.07	0.0	1.0
H4ANYFIN	21384	0.99	0.08	0.0	1.0
H5ANYFIN	19579	1.00	0.07	0.0	1.0
H6ANYFIN	18165	1.00	0.04	0.0	1.0
H7ANYFIN	20129	1.00	0.05	0.0	1.0
H8ANYFIN	18469	1.00	0.05	0.0	1.0
H9ANYFIN	17217	1.00	0.06	0.0	1.0
H10ANYFIN	22034	0.99	0.08	0.0	1.0
H11ANYFIN	20554	0.99	0.08	0.0	1.0
H12ANYFIN	18748	0.99	0.09	0.0	1.0

Categorical Variable Codes

Value	R1FAMR	R2FAMR	R3FAMR	R4FAMR	R5FAMR	R6FAMR	R7FAMR
0.No	5105	6719	6026	7181	6472	5819	6615
1.Yes	7547	12923	11965	14203	13107	12346	13514

Value	R8FAMR	R9FAMR	R10FAMR	R11FAMR	R12FAMR
0.No	5956	5404	7057	6407	5676
1.Yes	12513	11813	14977	14147	13072

Value	S1FAMR	S2FAMR	S3FAMR	S4FAMR	S5FAMR	S6FAMR	S7FAMR
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	4950	6556	5955	7007	6365	5816	6484
1.Yes	4950	6532	5960	6971	6365	5823	6488

Value	S8FAMR	S9FAMR	S10FAMR	S11FAMR	S12FAMR
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5866	5320	6754	6240	5508
1.Yes	5869	5326	6759	6248	5523

Value	R1FINR	R2FINR	R3FINR	R4FINR	R5FINR	R6FINR	R7FINR
0.No	5045	6694	6036	7127	6462	5846	6544
1.Yes	7607	12948	11955	14257	13117	12319	13585

Value	R8FINR	R9FINR	R10FINR	R11FINR	R12FINR
0.No	5911	5375	6904	6363	5651
1.Yes	12558	11842	15130	14191	13097

Value	S1FINR	S2FINR	S3FINR	S4FINR	S5FINR	S6FINR	S7FINR
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	4950	6555	5957	6992	6365	5816	6484
1.Yes	4950	6533	5958	6986	6365	5823	6488

Value	S8FINR	S9FINR	S10FINR	S11FINR	S12FINR
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5866	5320	6754	6239	5508
1.Yes	5869	5326	6759	6249	5523

Value	H1ANYFAM	H2ANYFAM	H3ANYFAM	H4ANYFAM	H5ANYFAM	H6ANYFAM	H7ANYFAM
0.No	155	208	72	210	107	3	131
1.Yes	12497	19434	17919	21174	19472	18162	19998

Value	H8ANYFAM	H9ANYFAM	H10ANYFAM	H11ANYFAM	H12ANYFAM
0.No	92	84	303	171	172
1.Yes	18377	17133	21731	20383	18576

Value	H1ANYFIN	H2ANYFIN	H3ANYFIN	H4ANYFIN	H5ANYFIN	H6ANYFIN	H7ANYFIN
0.No	95	161	83	141	97	30	60
1.Yes	12557	19481	17908	21243	19482	18135	20069

Value	H8ANYFIN	H9ANYFIN	H10ANYFIN	H11ANYFIN	H12ANYFIN
0.No	47	55	150	126	147
1.Yes	18422	17162	21884	20428	18601

How Constructed

In couple households, household level questions about finances are answered by one individual designated the "Financial Respondent," and questions about family are answered by the individual designated the "Family Respondent." The Financial Respondent may be the same as the Family Respondent, or not, depending on the household. In single households, the only Respondent is both the Financial and Family Respondent.

RwFINR and RwFAMR indicate whether the Respondent is the designated Financial and Family Respondent, respectively. These flags are set to "1" if the designated Respondent, or "0" if not.

HwANYFIN indicates if any individual in the household is the Financial Respondent, and HwANYFAM indicates the same for the Family Respondent. A value of "0" in HwANYFIN or HwANYFAM indicates that there is no Financial or Family Respondent, respectively, and thus no household level information on the relevant topics. HwANYFIN and HwANYFAM are set to .S for the deceased Respondents in Wave 2 in previous versions of RANDHRS. We exclude the W2 deceased Respondents in this version.

SwFINR and SwFAMR are taken from the Wave "w" spouse's value for RwFINR and RwFAMR, respectively.

HRS Variables Used

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Tracker:
    AFAMR           1992 WHETHER FAMILY RESPONDENT
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    ASUBHH          1992 SUB-HOUSEHOLD IDENTIFIER
    BFAMR           1993 WHETHER FAMILY RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    CFAMR           1994 WHETHER FAMILY RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
    DFAMR           1995 WHETHER FAMILY RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
    EFAMR           1996 WHETHER FAMILY RESPONDENT
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EFINR           1996 WHETHER FINANCIAL RESPONDENT
ESUBHH          1996 SUB-HOUSEHOLD IDENTIFIER
FFAMR           1998 WHETHER FAMILY RESPONDENT
FFINR           1998 WHETHER FINANCIAL RESPONDENT
FSUBHH          1998 SUB-HOUSEHOLD IDENTIFIER
GFAMR           2000 WHETHER FAMILY RESPONDENT
GFINR           2000 WHETHER FINANCIAL RESPONDENT
GSUBHH          2000 SUB-HOUSEHOLD IDENTIFIER
HFAMR           2002 WHETHER FAMILY RESPONDENT
HFINR           2002 WHETHER FINANCIAL RESPONDENT
HHID            HOUSEHOLD IDENTIFIER
HSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
JFAMR           2004 WHETHER FAMILY RESPONDENT
JFINR           2004 WHETHER FINANCIAL RESPONDENT
JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
KFAMR           2006 WHETHER FAMILY RESPONDENT
KFINR           2006 WHETHER FINANCIAL RESPONDENT
KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
LFAMR           2008 WHETHER FAMILY RESPONDENT
LFINR           2008 WHETHER FINANCIAL RESPONDENT
LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
MFAMR           2010 WHETHER FAMILY RESPONDENT
MFINR           2010 WHETHER FINANCIAL RESPONDENT
MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
NFAMR           2012 WHETHER FAMILY RESPONDENT
NFINR           2012 WHETHER FINANCIAL RESPONDENT
NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
OFAMR           2014 WHETHER FAMILY RESPONDENT
OFINR           2014 WHETHER FINANCIAL RESPONDENT
OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
```

Whether Proxy Interview

Wave	Variable Name	Variable Label	Type
1	R1PROXY	R1PROXY:W1 Whether Proxy Interview	Categ
2	R2PROXY	R2PROXY:W2 Whether Proxy Interview	Categ
3	R3PROXY	R3PROXY:W3 Whether Proxy Interview	Categ
4	R4PROXY	R4PROXY:W4 Whether Proxy Interview	Categ
5	R5PROXY	R5PROXY:W5 Whether Proxy Interview	Categ
6	R6PROXY	R6PROXY:W6 Whether Proxy Interview	Categ
7	R7PROXY	R7PROXY:W7 Whether Proxy Interview	Categ
8	R8PROXY	R8PROXY:W8 Whether Proxy Interview	Categ
9	R9PROXY	R9PROXY:W9 Whether Proxy Interview	Categ
10	R10PROXY	R10PROXY:W10 Whether Proxy Interview	Categ
11	R11PROXY	R11PROXY:W11 Whether Proxy Interview	Categ
12	R12PROXY	R12PROXY:W12 Whether Proxy Interview	Categ
1	S1PROXY	S1PROXY:W1 Whether Proxy Interview	Categ
2	S2PROXY	S2PROXY:W2 Whether Proxy Interview	Categ
3	S3PROXY	S3PROXY:W3 Whether Proxy Interview	Categ
4	S4PROXY	S4PROXY:W4 Whether Proxy Interview	Categ
5	S5PROXY	S5PROXY:W5 Whether Proxy Interview	Categ
6	S6PROXY	S6PROXY:W6 Whether Proxy Interview	Categ
7	S7PROXY	S7PROXY:W7 Whether Proxy Interview	Categ
8	S8PROXY	S8PROXY:W8 Whether Proxy Interview	Categ
9	S9PROXY	S9PROXY:W9 Whether Proxy Interview	Categ
10	S10PROXY	S10PROXY:W10 Whether Proxy Interview	Categ
11	S11PROXY	S11PROXY:W11 Whether Proxy Interview	Categ
12	S12PROXY	S12PROXY:W12 Whether Proxy Interview	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1PROXY	12652	0.05	0.22	0.0	1.0
R2PROXY	19642	0.08	0.27	0.0	1.0
R3PROXY	17991	0.09	0.29	0.0	1.0
R4PROXY	21384	0.10	0.29	0.0	1.0
R5PROXY	19579	0.11	0.31	0.0	1.0
R6PROXY	18165	0.11	0.32	0.0	1.0
R7PROXY	20129	0.09	0.29	0.0	1.0
R8PROXY	18469	0.07	0.25	0.0	1.0
R9PROXY	17217	0.07	0.25	0.0	1.0
R10PROXY	22034	0.06	0.24	0.0	1.0
R11PROXY	20554	0.06	0.23	0.0	1.0
R12PROXY	18748	0.06	0.23	0.0	1.0
S1PROXY	9900	0.06	0.24	0.0	1.0
S2PROXY	13088	0.09	0.28	0.0	1.0
S3PROXY	11915	0.09	0.29	0.0	1.0
S4PROXY	13978	0.10	0.30	0.0	1.0
S5PROXY	12730	0.11	0.31	0.0	1.0
S6PROXY	11639	0.12	0.32	0.0	1.0
S7PROXY	12972	0.09	0.29	0.0	1.0
S8PROXY	11735	0.07	0.25	0.0	1.0
S9PROXY	10646	0.06	0.24	0.0	1.0
S10PROXY	13513	0.06	0.24	0.0	1.0
S11PROXY	12488	0.05	0.22	0.0	1.0
S12PROXY	11031	0.05	0.22	0.0	1.0

Categorical Variable Codes

Value	R1PROXY	R2PROXY	R3PROXY	R4PROXY	R5PROXY	R6PROXY	R7PROXY
0.Not proxy	12004	18073	16351	19341	17517	16129	18327
1.Proxy	648	1569	1640	2043	2062	2036	1802

Value	R8PROXY	R9PROXY	R10PROXY	R11PROXY	R12PROXY
0.Not proxy	17209	16077	20652	19408	17698
1.Proxy	1260	1140	1382	1146	1050

Value	S1PROXY	S2PROXY	S3PROXY	S4PROXY	S5PROXY	S6PROXY	S7PROXY
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.Not proxy	9284	11936	10804	12571	11320	10280	11769
1.Proxy	616	1152	1111	1407	1410	1359	1203

Value	S8PROXY	S9PROXY	S10PROXY	S11PROXY	S12PROXY
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Not proxy	10943	9989	12696	11839	10442
1.Proxy	792	657	817	649	589

How Constructed

RwPROXY is set to "1" if the interview is by proxy in wave "w." It is set to "0" if the Respondent is not a proxy. Proxy status is taken directly from the Tracker file.

The spouse's proxy flag is taken from the Wave "w" spouse's variable, i.e., from the Wave "w" spouse's RwPROXY.

HRS Variables Used

```
Tracker:
    APROXY          1992 PROXY TYPE STATUS
    BPROXY          1993 PROXY TYPE STATUS
    CPROXY          1994 PROXY TYPE STATUS
    DPROXY          1995 PROXY TYPE STATUS
    EPROXY          1996 PROXY TYPE STATUS
    FPROXY          1998 PROXY TYPE STATUS
    GPROXY          2000 PROXY TYPE STATUS
    HPROXY          2002 PROXY TYPE STATUS
    JPROXY          2004 PROXY TYPE STATUS
    KPROXY          2006 PROXY TYPE STATUS
    LPROXY          2008 PROXY TYPE STATUS
    MPROXY          2010 PROXY TYPE STATUS
    NPROXY          2012 PROXY TYPE STATUS
    OPROXY          2014 PROXY TYPE STATUS
```

Interview Dates

Wave	Variable Name	Variable Label	Type
1	R1IWBEG	R1IWBEG:W1 Interview Begin Date	Cont
2	R2IWBEG	R2IWBEG:W2 Interview Begin Date	Cont
3	R3IWBEG	R3IWBEG:W3 Interview Begin Date	Cont
4	R4IWBEG	R4IWBEG:W4 Interview Begin Date	Cont
5	R5IWBEG	R5IWBEG:W5 Interview Begin Date	Cont
6	R6IWBEG	R6IWBEG:W6 Interview Begin Date	Cont
7	R7IWBEG	R7IWBEG:W7 Interview Begin Date	Cont
8	R8IWBEG	R8IWBEG:W8 Interview Begin Date	Cont
9	R9IWBEG	R9IWBEG:W9 Interview Begin Date	Cont
10	R10IWBEG	R10IWBEG:W10 Interview Begin Date	Cont
11	R11IWBEG	R11IWBEG:W11 Interview Begin Date	Cont
12	R12IWBEG	R12IWBEG:W12 Interview Begin Date	Cont
1	S1IWBEG	S1IWBEG:W1 Interview Begin Date	Cont
2	S2IWBEG	S2IWBEG:W2 Interview Begin Date	Cont
3	S3IWBEG	S3IWBEG:W3 Interview Begin Date	Cont
4	S4IWBEG	S4IWBEG:W4 Interview Begin Date	Cont
5	S5IWBEG	S5IWBEG:W5 Interview Begin Date	Cont
6	S6IWBEG	S6IWBEG:W6 Interview Begin Date	Cont
7	S7IWBEG	S7IWBEG:W7 Interview Begin Date	Cont
8	S8IWBEG	S8IWBEG:W8 Interview Begin Date	Cont
9	S9IWBEG	S9IWBEG:W9 Interview Begin Date	Cont
10	S10IWBEG	S10IWBEG:W10 Interview Begin Date	Cont
11	S11IWBEG	S11IWBEG:W11 Interview Begin Date	Cont
12	S12IWBEG	S12IWBEG:W12 Interview Begin Date	Cont
1	R1IWBEGF	R1IWBEGF:W1 Interview Beg Date Flag	Categ
2	R2IWBEGF	R2IWBEGF:W2 Interview Beg Date Flag	Categ
3	R3IWBEGF	R3IWBEGF:W3 Interview Beg Date Flag	Categ
4	R4IWBEGF	R4IWBEGF:W4 Interview Beg Date Flag	Categ
5	R5IWBEGF	R5IWBEGF:W5 Interview Beg Date Flag	Categ
6	R6IWBEGF	R6IWBEGF:W6 Interview Beg Date Flag	Categ
7	R7IWBEGF	R7IWBEGF:W7 Interview Beg Date Flag	Categ
8	R8IWBEGF	R8IWBEGF:W8 Interview Beg Date Flag	Categ
9	R9IWBEGF	R9IWBEGF:W9 Interview Beg Date Flag	Categ
10	R10IWBEGF	R10IWBEGF:W10 Interview Beg Date Flag	Categ
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3	S3IWBEGF	S3IWBEGF:W3 Interview Beg Date Flag	Categ
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5	S5IWBEGF	S5IWBEGF:W5 Interview Beg Date Flag	Categ
6	S6IWBEGF	S6IWBEGF:W6 Interview Beg Date Flag	Categ
7	S7IWBEGF	S7IWBEGF:W7 Interview Beg Date Flag	Categ
8	S8IWBEGF	S8IWBEGF:W8 Interview Beg Date Flag	Categ
9	S9IWBEGF	S9IWBEGF:W9 Interview Beg Date Flag	Categ
10	S10IWBEGF	S10IWBEGF:W10 Interview Beg Date Flag	Categ
11	S11IWBEGF	S11IWBEGF:W11 Interview Beg Date Flag	Categ
12	S12IWBEGF	S12IWBEGF:W12 Interview Beg Date Flag	Categ
1	R1IWEND	R1IWEND:W1 Interview End Date	Cont
2	R2IWEND	R2IWEND:W2 Interview End Date	Cont
3	R3IWEND	R3IWEND:W3 Interview End Date	Cont
4	R4IWEND	R4IWEND:W4 Interview End Date	Cont
5	R5IWEND	R5IWEND:W5 Interview End Date	Cont
6	R6IWEND	R6IWEND:W6 Interview End Date	Cont
7	R7IWEND	R7IWEND:W7 Interview End Date	Cont
8	R8IWEND	R8IWEND:W8 Interview End Date	Cont
9	R9IWEND	R9IWEND:W9 Interview End Date	Cont
10	R10IWEND	R10IWEND:W10 Interview End Date	Cont
11	R11IWEND	R11IWEND:W11 Interview End Date	Cont
12	R12IWEND	R12IWEND:W12 Interview End Date	Cont
1	S1IWEND	S1IWEND:W1 Interview End Date	Cont

2	S2IWEND	S2IWEND:W2 Interview End Date	Cont
3	S3IWEND	S3IWEND:W3 Interview End Date	Cont
4	S4IWEND	S4IWEND:W4 Interview End Date	Cont
5	S5IWEND	S5IWEND:W5 Interview End Date	Cont
6	S6IWEND	S6IWEND:W6 Interview End Date	Cont
7	S7IWEND	S7IWEND:W7 Interview End Date	Cont
8	S8IWEND	S8IWEND:W8 Interview End Date	Cont
9	S9IWEND	S9IWEND:W9 Interview End Date	Cont
10	S10IWEND	S10IWEND:W10 Interview End Date	Cont
11	S11IWEND	S11IWEND:W11 Interview End Date	Cont
12	S12IWEND	S12IWEND:W12 Interview End Date	Cont
1	R1IWENDF	R1IWENDF:W1 Interview End Date Flag	Categ
2	R2IWENDF	R2IWENDF:W2 Interview End Date Flag	Categ
3	R3IWENDF	R3IWENDF:W3 Interview End Date Flag	Categ
4	R4IWENDF	R4IWENDF:W4 Interview End Date Flag	Categ
5	R5IWENDF	R5IWENDF:W5 Interview End Date Flag	Categ
6	R6IWENDF	R6IWENDF:W6 Interview End Date Flag	Categ
7	R7IWENDF	R7IWENDF:W7 Interview End Date Flag	Categ
8	R8IWENDF	R8IWENDF:W8 Interview End Date Flag	Categ
9	R9IWENDF	R9IWENDF:W9 Interview End Date Flag	Categ
10	R10IWENDF	R10IWENDF:W10 Interview End Date Flag	Categ
11	R11IWENDF	R11IWENDF:W11 Interview End Date Flag	Categ
12	R12IWENDF	R12IWENDF:W12 Interview End Date Flag	Categ
1	S1IWENDF	S1IWENDF:W1 Interview End Date Flag	Categ
2	S2IWENDF	S2IWENDF:W2 Interview End Date Flag	Categ
3	S3IWENDF	S3IWENDF:W3 Interview End Date Flag	Categ
4	S4IWENDF	S4IWENDF:W4 Interview End Date Flag	Categ
5	S5IWENDF	S5IWENDF:W5 Interview End Date Flag	Categ
6	S6IWENDF	S6IWENDF:W6 Interview End Date Flag	Categ
7	S7IWENDF	S7IWENDF:W7 Interview End Date Flag	Categ
8	S8IWENDF	S8IWENDF:W8 Interview End Date Flag	Categ
9	S9IWENDF	S9IWENDF:W9 Interview End Date Flag	Categ
10	S10IWENDF	S10IWENDF:W10 Interview End Date Flag	Categ
11	S11IWENDF	S11IWENDF:W11 Interview End Date Flag	Categ
12	S12IWENDF	S12IWENDF:W12 Interview End Date Flag	Categ
1	R1IWMID	R1IWMID:W1 Interview Midpoint Date	Cont
2	R2IWMID	R2IWMID:W2 Interview Midpoint Date	Cont
3	R3IWMID	R3IWMID:W3 Interview Midpoint Date	Cont
4	R4IWMID	R4IWMID:W4 Interview Midpoint Date	Cont
5	R5IWMID	R5IWMID:W5 Interview Midpoint Date	Cont
6	R6IWMID	R6IWMID:W6 Interview Midpoint Date	Cont
7	R7IWMID	R7IWMID:W7 Interview Midpoint Date	Cont
8	R8IWMID	R8IWMID:W8 Interview Midpoint Date	Cont
9	R9IWMID	R9IWMID:W9 Interview Midpoint Date	Cont
10	R10IWMID	R10IWMID:W10 Interview Midpoint Date	Cont
11	R11IWMID	R11IWMID:W11 Interview Midpoint Date	Cont
12	R12IWMID	R12IWMID:W12 Interview Midpoint Date	Cont
1	S1IWMID	S1IWMID:W1 Interview Midpoint Date	Cont
2	S2IWMID	S2IWMID:W2 Interview Midpoint Date	Cont
3	S3IWMID	S3IWMID:W3 Interview Midpoint Date	Cont
4	S4IWMID	S4IWMID:W4 Interview Midpoint Date	Cont
5	S5IWMID	S5IWMID:W5 Interview Midpoint Date	Cont
6	S6IWMID	S6IWMID:W6 Interview Midpoint Date	Cont
7	S7IWMID	S7IWMID:W7 Interview Midpoint Date	Cont
8	S8IWMID	S8IWMID:W8 Interview Midpoint Date	Cont
9	S9IWMID	S9IWMID:W9 Interview Midpoint Date	Cont
10	S10IWMID	S10IWMID:W10 Interview Midpoint Date	Cont
11	S11IWMID	S11IWMID:W11 Interview Midpoint Date	Cont
12	S12IWMID	S12IWMID:W12 Interview Midpoint Date	Cont
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2	R2IWMIDF	R2IWMIDF:W2 Interview Midpt Date Flag	Categ
3	R3IWMIDF	R3IWMIDF:W3 Interview Midpt Date Flag	Categ
4	R4IWMIDF	R4IWMIDF:W4 Interview Midpt Date Flag	Categ
5	R5IWMIDF	R5IWMIDF:W5 Interview Midpt Date Flag	Categ
6	R6IWMIDF	R6IWMIDF:W6 Interview Midpt Date Flag	Categ
7	R7IWMIDF	R7IWMIDF:W7 Interview Midpt Date Flag	Categ
8	R8IWMIDF	R8IWMIDF:W8 Interview Midpt Date Flag	Categ

9	R9IWMIDF	R9IWMIDF:W9 Interview Midpt Date Flag	Categ
10	R10IWMIDF	R10IWMIDF:W10 Interview Midpt Date Flag	Categ
11	R11IWMIDF	R11IWMIDF:W11 Interview Midpt Date Flag	Categ
12	R12IWMIDF	R12IWMIDF:W12 Interview Midpt Date Flag	Categ
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2	S2IWMIDF	S2IWMIDF:W2 Interview Midpt Date Flag	Categ
3	S3IWMIDF	S3IWMIDF:W3 Interview Midpt Date Flag	Categ
4	S4IWMIDF	S4IWMIDF:W4 Interview Midpt Date Flag	Categ
5	S5IWMIDF	S5IWMIDF:W5 Interview Midpt Date Flag	Categ
6	S6IWMIDF	S6IWMIDF:W6 Interview Midpt Date Flag	Categ
7	S7IWMIDF	S7IWMIDF:W7 Interview Midpt Date Flag	Categ
8	S8IWMIDF	S8IWMIDF:W8 Interview Midpt Date Flag	Categ
9	S9IWMIDF	S9IWMIDF:W9 Interview Midpt Date Flag	Categ
10	S10IWMIDF	S10IWMIDF:W10 Interview Midpt Date Flag	Categ
11	S11IWMIDF	S11IWMIDF:W11 Interview Midpt Date Flag	Categ
12	S12IWMIDF	S12IWMIDF:W12 Interview Midpt Date Flag	Categ
1	R1IWENDM	R1IWENDM:W1 Interview End Month	Cont
2	R2IWENDM	R2IWENDM:W2 Interview End Month	Cont
3	R3IWENDM	R3IWENDM:W3 Interview End Month	Cont
4	R4IWENDM	R4IWENDM:W4 Interview End Month	Cont
5	R5IWENDM	R5IWENDM:W5 Interview End Month	Cont
6	R6IWENDM	R6IWENDM:W6 Interview End Month	Cont
7	R7IWENDM	R7IWENDM:W7 Interview End Month	Cont
8	R8IWENDM	R8IWENDM:W8 Interview End Month	Cont
9	R9IWENDM	R9IWENDM:W9 Interview End Month	Cont
10	R10IWENDM	R10IWENDM:W10 Interview End Month	Cont
11	R11IWENDM	R11IWENDM:W11 Interview End Month	Cont
12	R12IWENDM	R12IWENDM:W12 Interview End Month	Cont
1	S1IWENDM	S1IWENDM:W1 Interview End Month	Cont
2	S2IWENDM	S2IWENDM:W2 Interview End Month	Cont
3	S3IWENDM	S3IWENDM:W3 Interview End Month	Cont
4	S4IWENDM	S4IWENDM:W4 Interview End Month	Cont
5	S5IWENDM	S5IWENDM:W5 Interview End Month	Cont
6	S6IWENDM	S6IWENDM:W6 Interview End Month	Cont
7	S7IWENDM	S7IWENDM:W7 Interview End Month	Cont
8	S8IWENDM	S8IWENDM:W8 Interview End Month	Cont
9	S9IWENDM	S9IWENDM:W9 Interview End Month	Cont
10	S10IWENDM	S10IWENDM:W10 Interview End Month	Cont
11	S11IWENDM	S11IWENDM:W11 Interview End Month	Cont
12	S12IWENDM	S12IWENDM:W12 Interview End Month	Cont
1	R1IWENDY	R1IWENDY:W1 Interview End Year	Cont
2	R2IWENDY	R2IWENDY:W2 Interview End Year	Cont
3	R3IWENDY	R3IWENDY:W3 Interview End Year	Cont
4	R4IWENDY	R4IWENDY:W4 Interview End Year	Cont
5	R5IWENDY	R5IWENDY:W5 Interview End Year	Cont
6	R6IWENDY	R6IWENDY:W6 Interview End Year	Cont
7	R7IWENDY	R7IWENDY:W7 Interview End Year	Cont
8	R8IWENDY	R8IWENDY:W8 Interview End Year	Cont
9	R9IWENDY	R9IWENDY:W9 Interview End Year	Cont
10	R10IWENDY	R10IWENDY:W10 Interview End Year	Cont
11	R11IWENDY	R11IWENDY:W11 Interview End Year	Cont
12	R12IWENDY	R12IWENDY:W12 Interview End Year	Cont
1	S1IWENDY	S1IWENDY:W1 Interview End Year	Cont
2	S2IWENDY	S2IWENDY:W2 Interview End Year	Cont
3	S3IWENDY	S3IWENDY:W3 Interview End Year	Cont
4	S4IWENDY	S4IWENDY:W4 Interview End Year	Cont
5	S5IWENDY	S5IWENDY:W5 Interview End Year	Cont
6	S6IWENDY	S6IWENDY:W6 Interview End Year	Cont
7	S7IWENDY	S7IWENDY:W7 Interview End Year	Cont
8	S8IWENDY	S8IWENDY:W8 Interview End Year	Cont
9	S9IWENDY	S9IWENDY:W9 Interview End Year	Cont
10	S10IWENDY	S10IWENDY:W10 Interview End Year	Cont
11	S11IWENDY	S11IWENDY:W11 Interview End Year	Cont
12	S12IWENDY	S12IWENDY:W12 Interview End Year	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1IWBEG	12652	11939.30	83.24	11779.0	12125.0
R2IWBEG	19642	12539.36	105.60	12341.0	12773.0
R3IWBEG	17991	13276.31	109.72	13102.0	13560.0
R4IWBEG	21384	14037.10	88.32	13894.0	14318.0
R5IWBEG	19579	14746.61	63.93	14624.0	14959.0
R6IWBEG	18165	15535.41	66.71	15355.0	15751.0
R7IWBEG	20129	16249.03	76.10	16116.0	16482.0
R8IWBEG	18469	16978.96	78.90	16875.0	17212.0
R9IWBEG	17217	17698.54	77.42	17577.0	17943.0
R10IWBEG	22034	18565.60	138.00	18336.0	18915.0
R11IWBEG	20554	19217.39	81.95	19098.0	19463.0
R12IWBEG	18748	19896.14	84.85	19797.0	20193.0
S1IWBEG	9900	11939.94	83.15	11779.0	12125.0
S2IWBEG	13088	12556.11	100.53	12341.0	12773.0
S3IWBEG	11915	13291.68	104.78	13102.0	13560.0
S4IWBEG	13978	14041.24	87.52	13894.0	14318.0
S5IWBEG	12730	14745.67	62.81	14624.0	14959.0
S6IWBEG	11639	15533.46	65.52	15355.0	15751.0
S7IWBEG	12972	16250.66	75.81	16116.0	16482.0
S8IWBEG	11735	16982.50	78.62	16875.0	17212.0
S9IWBEG	10646	17698.18	76.99	17577.0	17943.0
S10IWBEG	13513	18563.76	140.26	18336.0	18915.0
S11IWBEG	12488	19219.48	81.82	19098.0	19463.0
S12IWBEG	11031	19898.04	84.84	19797.0	20193.0
R1IWBEGF	12652	0.00	0.01	0.0	1.0
R2IWBEGF	19642	0.00	0.00	0.0	0.0
R3IWBEGF	17991	1.00	0.00	1.0	1.0
R4IWBEGF	21384	1.00	0.00	1.0	1.0
R5IWBEGF	19579	1.00	0.00	1.0	1.0
R6IWBEGF	18165	1.00	0.00	1.0	1.0
R7IWBEGF	20129	1.00	0.00	1.0	1.0
R8IWBEGF	18469	1.00	0.00	1.0	1.0
R9IWBEGF	17217	1.00	0.00	1.0	1.0
R10IWBEGF	22034	1.00	0.00	1.0	1.0
R11IWBEGF	20554	1.00	0.00	1.0	1.0
R12IWBEGF	18748	1.00	0.00	1.0	1.0
S1IWBEGF	9900	0.00	0.01	0.0	1.0
S2IWBEGF	13088	0.00	0.00	0.0	0.0
S3IWBEGF	11915	1.00	0.00	1.0	1.0
S4IWBEGF	13978	1.00	0.00	1.0	1.0
S5IWBEGF	12730	1.00	0.00	1.0	1.0
S6IWBEGF	11639	1.00	0.00	1.0	1.0
S7IWBEGF	12972	1.00	0.00	1.0	1.0
S8IWBEGF	11735	1.00	0.00	1.0	1.0
S9IWBEGF	10646	1.00	0.00	1.0	1.0
S10IWBEGF	13513	1.00	0.00	1.0	1.0
S11IWBEGF	12488	1.00	0.00	1.0	1.0
S12IWBEGF	11031	1.00	0.00	1.0	1.0
R1IWEND	12652	11939.95	83.30	11779.0	12125.0
R2IWEND	19642	12540.27	106.56	12341.0	12857.0
R3IWEND	17991	13277.50	111.09	13102.0	13560.0
R4IWEND	21384	14038.90	89.00	13894.0	14318.0

R5IWEND	19579	14748.04	64.73	14624.0	14959.0
R6IWEND	18165	15536.50	67.51	15445.0	15779.0
R7IWEND	20129	16249.03	76.10	16116.0	16482.0
R8IWEND	18469	16979.95	79.43	16875.0	17212.0
R9IWEND	17217	17699.66	78.02	17577.0	17943.0
R10IWEND	22034	18567.43	138.22	18336.0	18946.0
R11IWEND	20554	19220.21	83.79	19098.0	19493.0
R12IWEND	18748	19897.99	85.89	19797.0	20193.0
S1IWEND	9900	11940.49	83.19	11779.0	12125.0
S2IWEND	13088	12556.79	101.15	12341.0	12857.0
S3IWEND	11915	13292.64	105.77	13102.0	13560.0
S4IWEND	13978	14042.64	87.95	13925.0	14318.0
S5IWEND	12730	14746.81	63.36	14624.0	14959.0
S6IWEND	11639	15534.28	66.13	15445.0	15751.0
S7IWEND	12972	16250.66	75.81	16116.0	16482.0
S8IWEND	11735	16983.11	78.93	16875.0	17212.0
S9IWEND	10646	17698.85	77.32	17577.0	17943.0
S10IWEND	13513	18565.19	140.45	18336.0	18946.0
S11IWEND	12488	19221.68	83.28	19098.0	19493.0
S12IWEND	11031	19899.33	85.49	19797.0	20193.0
R1IWENDF	12652	0.01	0.30	0.0	7.0
R2IWENDF	19642	2.93	3.45	0.0	7.0
R3IWENDF	17991	3.34	2.93	1.0	7.0
R4IWENDF	21384	1.00	0.00	1.0	1.0
R5IWENDF	19579	1.00	0.00	1.0	1.0
R6IWENDF	18165	1.00	0.00	1.0	1.0
R7IWENDF	20129	1.00	0.00	1.0	1.0
R8IWENDF	18469	1.00	0.00	1.0	1.0
R9IWENDF	17217	1.00	0.00	1.0	1.0
R10IWENDF	22034	1.00	0.00	1.0	1.0
R11IWENDF	20554	1.00	0.00	1.0	1.0
R12IWENDF	18748	1.00	0.00	1.0	1.0
S1IWENDF	9900	0.01	0.23	0.0	7.0
S2IWENDF	13088	2.33	3.30	0.0	7.0
S3IWENDF	11915	2.82	2.76	1.0	7.0
S4IWENDF	13978	1.00	0.00	1.0	1.0
S5IWENDF	12730	1.00	0.00	1.0	1.0
S6IWENDF	11639	1.00	0.00	1.0	1.0
S7IWENDF	12972	1.00	0.00	1.0	1.0
S8IWENDF	11735	1.00	0.00	1.0	1.0
S9IWENDF	10646	1.00	0.00	1.0	1.0
S10IWENDF	13513	1.00	0.00	1.0	1.0
S11IWENDF	12488	1.00	0.00	1.0	1.0
S12IWENDF	11031	1.00	0.00	1.0	1.0
R1IWMID	12652	11939.63	83.22	11779.0	12125.0
R2IWMID	19642	12539.81	105.98	12341.0	12774.0
R3IWMID	17991	13276.90	110.28	13102.0	13560.0
R4IWMID	21384	14038.00	88.45	13894.0	14318.0
R5IWMID	19579	14747.33	64.14	14624.0	14959.0
R6IWMID	18165	15535.96	66.90	15445.0	15751.0
R7IWMID	20129	16249.03	76.10	16116.0	16482.0
R8IWMID	18469	16979.45	79.02	16875.0	17212.0
R9IWMID	17217	17699.10	77.55	17577.0	17943.0
R10IWMID	22034	18566.52	137.95	18336.0	18930.5
R11IWMID	20554	19218.80	82.39	19098.0	19463.0

R12IWMID	18748	19897.07	85.10	19797.0	20193.0
S1IWMID	9900	11940.21	83.12	11779.0	12125.0
S2IWMID	13088	12556.45	100.78	12341.0	12774.0
S3IWMID	11915	13292.16	105.18	13102.0	13560.0
S4IWMID	13978	14041.94	87.60	13925.0	14318.0
S5IWMID	12730	14746.24	62.95	14624.0	14959.0
S6IWMID	11639	15533.87	65.66	15445.0	15751.0
S7IWMID	12972	16250.66	75.81	16116.0	16482.0
S8IWMID	11735	16982.81	78.71	16875.0	17212.0
S9IWMID	10646	17698.51	77.08	17577.0	17943.0
S10IWMID	13513	18564.47	140.24	18336.0	18930.5
S11IWMID	12488	19220.58	82.16	19098.0	19463.0
S12IWMID	11031	19898.68	84.98	19797.0	20193.0
R1IWMIDF	12652	0.06	0.29	0.0	2.0
R2IWMIDF	19642	0.05	0.28	0.0	2.0
R3IWMIDF	17991	0.04	0.29	0.0	2.0
R4IWMIDF	21384	0.07	0.37	0.0	2.0
R5IWMIDF	19579	0.06	0.35	0.0	2.0
R6IWMIDF	18165	0.04	0.27	0.0	2.0
R7IWMIDF	20129	0.00	0.00	0.0	0.0
R8IWMIDF	18469	0.04	0.28	0.0	2.0
R9IWMIDF	17217	0.04	0.29	0.0	2.0
R10IWMIDF	22034	0.07	0.37	0.0	2.0
R11IWMIDF	20554	0.09	0.42	0.0	2.0
R12IWMIDF	18748	0.06	0.34	0.0	2.0
S1IWMIDF	9900	0.05	0.27	0.0	2.0
S2IWMIDF	13088	0.05	0.27	0.0	2.0
S3IWMIDF	11915	0.04	0.27	0.0	2.0
S4IWMIDF	13978	0.06	0.35	0.0	2.0
S5IWMIDF	12730	0.06	0.33	0.0	2.0
S6IWMIDF	11639	0.03	0.23	0.0	2.0
S7IWMIDF	12972	0.00	0.00	0.0	0.0
S8IWMIDF	11735	0.03	0.24	0.0	2.0
S9IWMIDF	10646	0.03	0.25	0.0	2.0
S10IWMIDF	13513	0.06	0.34	0.0	2.0
S11IWMIDF	12488	0.07	0.38	0.0	2.0
S12IWMIDF	11031	0.04	0.29	0.0	2.0
R1IWENDM	12652	7.39	3.04	1.0	12.0
R2IWENDM	19642	6.83	3.23	1.0	12.0
R3IWENDM	17991	6.87	3.31	1.0	12.0
R4IWENDM	21384	5.38	2.56	1.0	12.0
R5IWENDM	19579	5.09	2.12	1.0	12.0
R6IWENDM	18165	6.75	2.16	1.0	12.0
R7IWENDM	20129	6.24	2.45	1.0	12.0
R8IWENDM	18469	6.15	2.50	1.0	12.0
R9IWENDM	17217	5.82	2.44	1.0	12.0
R10IWENDM	22034	6.91	3.52	1.0	12.0
R11IWENDM	20554	6.96	2.50	1.0	12.0
R12IWENDM	18748	5.73	2.38	1.0	12.0
S1IWENDM	9900	7.41	3.04	1.0	12.0
S2IWENDM	13088	6.83	2.96	1.0	12.0
S3IWENDM	11915	6.95	3.01	1.0	12.0
S4IWENDM	13978	5.48	2.51	1.0	12.0
S5IWENDM	12730	5.05	2.08	1.0	12.0

S6IWENDM	11639	6.72	2.11	1.0	12.0
S7IWENDM	12972	6.31	2.44	1.0	12.0
S8IWENDM	11735	6.24	2.49	1.0	12.0
S9IWENDM	10646	5.80	2.42	1.0	12.0
S10IWENDM	13513	6.85	3.48	1.0	12.0
S11IWENDM	12488	7.01	2.49	1.0	12.0
S12IWENDM	11031	5.76	2.36	1.0	12.0
R1IWENDY	12652	1992.12	0.32	1992.0	1993.0
R2IWENDY	19642	1993.81	0.39	1993.0	1995.0
R3IWENDY	17991	1995.82	0.43	1995.0	1997.0
R4IWENDY	21384	1998.03	0.18	1998.0	1999.0
R5IWENDY	19579	2000.00	0.00	2000.0	2000.0
R6IWENDY	18165	2002.02	0.14	2002.0	2003.0
R7IWENDY	20129	2004.01	0.11	2004.0	2005.0
R8IWENDY	18469	2006.02	0.15	2006.0	2007.0
R9IWENDY	17217	2008.02	0.14	2008.0	2009.0
R10IWENDY	22034	2010.31	0.46	2010.0	2011.0
R11IWENDY	20554	2012.09	0.28	2012.0	2013.0
R12IWENDY	18748	2014.05	0.21	2014.0	2015.0
S1IWENDY	9900	1992.12	0.32	1992.0	1993.0
S2IWENDY	13088	1993.85	0.35	1993.0	1995.0
S3IWENDY	11915	1995.86	0.40	1995.0	1997.0
S4IWENDY	13978	1998.04	0.19	1998.0	1999.0
S5IWENDY	12730	2000.00	0.00	2000.0	2000.0
S6IWENDY	11639	2002.02	0.13	2002.0	2003.0
S7IWENDY	12972	2004.01	0.11	2004.0	2005.0
S8IWENDY	11735	2006.02	0.15	2006.0	2007.0
S9IWENDY	10646	2008.02	0.14	2008.0	2009.0
S10IWENDY	13513	2010.30	0.46	2010.0	2011.0
S11IWENDY	12488	2012.09	0.28	2012.0	2013.0
S12IWENDY	11031	2014.05	0.22	2014.0	2015.0

Categorical Variable Codes

Value	R1IWBEGF	R2IWBEGF	R3IWBEGF	R4IWBEGF	R5IWBEGF	R6IWBEGF	R7IWBEGF
0.M/D/Y ok	12651	19642					
1.Day miss	1		17991	21384	19579	18165	20129

Value	R8IWBEGF	R9IWBEGF	R10IWBEGF	R11IWBEGF	R12IWBEGF
1.Day miss	18469	17217	22034	20554	18748

Value	S1IWBEGF	S2IWBEGF	S3IWBEGF	S4IWBEGF	S5IWBEGF	S6IWBEGF	S7IWBEGF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.M/D/Y ok	9899	13088					
1.Day miss	1		11915	13978	12730	11639	12972

Value	S8IWBEGF	S9IWBEGF	S10IWBEGF	S11IWBEGF	S12IWBEGF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Day miss	11735	10646	13513	12488	11031

Value	R1IWENDF	R2IWENDF	R3IWENDF	R4IWENDF	R5IWENDF	R6IWENDF	R7IWENDF
0.M/D/Y ok	12621	11420					
1.Day miss	7		10964	21384	19579	18165	20129
3.Day/mon miss	1						
7.Day/mon/yr miss	23	8222	7027				

Value	R8IWENDF	R9IWENDF	R10IWENDF	R11IWENDF	R12IWENDF
1.Day miss	18469	17217	22034	20554	18748

Value	S1IWENDF	S2IWENDF	S3IWENDF	S4IWENDF	S5IWENDF	S6IWENDF	S7IWENDF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.M/D/Y ok	9883	8739					
1.Day miss	6		8306	13978	12730	11639	12972
3.Day/mon miss	1						
7.Day/mon/yr miss	10	4349	3609				

Value	S8IWENDF	S9IWENDF	S10IWENDF	S11IWENDF	S12IWENDF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Day miss	11735	10646	13513	12488	11031

Value	R1IWMIDF	R2IWMIDF	R3IWMIDF	R4IWMIDF	R5IWMIDF	R6IWMIDF	R7IWMIDF
0.IVW beg dt=end dt	12033	18880	17613	20606	18956	17838	20129
1.IVW beg mon=end mon	452	477					
2.IVW begmon NE endmon	167	285	378	778	623	327	

Value	R8IWMIDF	R9IWMIDF	R10IWMIDF	R11IWMIDF	R12IWMIDF
0.IVW beg dt=end dt	18099	16850	21263	19593	18181
2.IVW begmon NE endmon	370	367	771	961	567

Value	S1IWMIDF	S2IWMIDF	S3IWMIDF	S4IWMIDF	S5IWMIDF	S6IWMIDF	S7IWMIDF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.IVW beg dt=end dt	9490	12603	11696	13532	12378	11478	12972
1.IVW beg mon=end mon	305	319					
2.IVW begmon NE endmon	105	166	219	446	352	161	

Value	S8IWMIDF	S9IWMIDF	S10IWMIDF	S11IWMIDF	S12IWMIDF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.IVW beg dt=end dt	11558	10474	13117	12021	10786
2.IVW begmon NE endmon	177	172	396	467	245

How Constructed

These variables are derived from the beginning and ending interview dates. The RwIWBEG variables are the beginning interview dates and the RwIWEND variables are the ending interview dates. In some waves only one interview date is given, and it is used as both the beginning and ending date.

The RwIWMID variables are derived as the midpoint between the beginning and ending interview dates. From Wave 6 forward, and in Waves 2A and 3A of AHEAD, there is only one interview date given; this is used for the beginning, ending, and midpoint interview date.

Note that most beginning and ending interview dates are the same. In the cases where they differ, the interview is usually suspended near the beginning of the survey questions and picked up days, weeks, or months later. According to ISR, the ending interview date is usually applicable to most of the interview, particularly in the later sections.

RwIWBEG, RwIWMID, and RwIWEND are in SAS date format, which is the number of days relative to January 1, 1960. RwIWENDM and RwIWENDY provide the end interview month and year, respectively, not in SAS date format.

The interview day is available only for Waves 1 and 2H, and for Wave 2A of AHEAD. From Wave 3 forward, the 15th of the interview month was used. These variables are SAS dates (# days from 1/1/1960).

For 4 cases in HRS 1998, and for 1 case in HRS 1996, the interview year appears as 1980. For the 1998 cases, the median interview month and year for all other cases with the same version of the questionnaire is used. For the 1996 case, 6/1996 is used.

For Waves 1, 2, 3A, and 4, the Tracker variables were used instead of the corresponding raw variables for the beginning interview month and year.

For Waves 3H and 5, the Tracker variables were used instead of the corresponding raw variables for the ending interview

month and year.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwIWBEG, RwIWBEGF, RwIWEND, RwIWENDF, RwIWMID, and RwIWMIDF.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the month, day, and year that the interview began and ended are given. In Wave 2A of AHEAD, the month, day, and year that the interview began are given, but not the corresponding ending dates. This is also true for Wave 3A, the only difference being that the day the interview began is also not given. From Wave 3H forward, the day of interview is not available.

Also, in Waves 3H and 4, two interview months are given which are not labeled beginning or end. A comparison of the two months determined which were the beginning and ending interview dates. For 4 cases in HRS 98, and for one case in HRS 96, the interview year appears as 1980.

In Wave 5 two interview months are given, which are labeled beginning and current month.

For Waves 1, 2 and 4, the Tracker variables that correspond to the beginning interview month and year are available.

For Waves 3H and 5, the Tracker variables that correspond to the ending interview month and year are available.

From Wave 6 forward, only one interview date is available in the data, both in the cover sheet section and on Tracker. It is unclear whether the date is the beginning or ending interview date, but based on comparisons with the data model number in 2006 (JVDATE) we think it likely to be the end interview date; that is, the date on which most of the interview was conducted.

HRS Variables Used

```
HRS 1992:
    V24             FS6:DATE IW BEGAN-DAY
    V26             FS7:DATE IW CMPLTD-MO
    V27             FS7:DATE IW CMPLT-DAY
    V28             FS7:DATE IW COMPLT-YR
AHEAD 1993:
    B360            INTERVIEW DAY
HRS 1994:
    W57             Begin of Interview - Day
    W59             End of Interview - Month
    W60             End of Interview - Day
    W61             End of Interview - Year
AHEAD 1995:
    D397            TIME YEAR
    D398            TIME MONTH
HRS 1996:
    E391            CUR MONTH 1-12
    E393            CUR YEAR YYYY
    E397            PERM TIME YEAR YYYY
    E398            PERM TIME MONTH 1-12
HRS 1998:
    F697            CUR MONTH TEXT
    F699            CUR YEAR YYYY
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HRS 2000:
    G774            CS22Y49.TIME YEAR
    G775            CS22Y50.TIME MONTH
HRS 2002:
    HA500           DATE OF INTERVIEW - MONTH
    HA501           DATE OF INTERVIEW - YEAR
HRS 2004:
    JA500           DATE OF INTERVIEW - MONTH
    JA501           DATE OF INTERVIEW - YEAR
HRS 2006:
    KA500           DATE OF INTERVIEW - MONTH
    KA501           DATE OF INTERVIEW - YEAR
HRS 2008:
    LA500           DATE OF INTERVIEW - MONTH
    LA501           DATE OF INTERVIEW - YEAR
HRS 2010:
    MA500           DATE OF INTERVIEW - MONTH
    MA501           DATE OF INTERVIEW - YEAR
HRS 2012:
    NA500           DATE OF INTERVIEW - MONTH
    NA501           DATE OF INTERVIEW - YEAR
HRS 2014:
    OA500           DATE OF INTERVIEW - MONTH
    OA501           DATE OF INTERVIEW - YEAR
Tracker:
    AIWMONTH        1992 INTERVIEW MONTH
    AIWYEAR         1992 INTERVIEW YEAR
    BIWMONTH        1993 INTERVIEW MONTH
    BIWYEAR         1993 INTERVIEW YEAR
    CIWMONTH        1994 INTERVIEW MONTH
    CIWYEAR         1994 INTERVIEW YEAR
    DIWMONTH        1995 INTERVIEW MONTH
    DIWYEAR         1995 INTERVIEW YEAR
    EIWMONTH        1996 INTERVIEW MONTH
    EIWYEAR         1996 INTERVIEW YEAR
    FIWMONTH        1998 INTERVIEW MONTH
    FIWYEAR         1998 INTERVIEW YEAR
    GIWMONTH        2000 INTERVIEW MONTH
    GIWYEAR         2000 INTERVIEW YEAR
    HIWMONTH        2002 INTERVIEW MONTH
    HIWYEAR         2002 INTERVIEW YEAR
    JIWMONTH        2004 INTERVIEW MONTH
    JIWYEAR         2004 INTERVIEW YEAR
    KIWMONTH        2006 INTERVIEW MONTH
    KIWYEAR         2006 INTERVIEW YEAR
    LIWMONTH        2008 INTERVIEW MONTH
    LIWYEAR         2008 INTERVIEW YEAR
    MIWMONTH        2010 INTERVIEW MONTH
    MIWYEAR         2010 INTERVIEW YEAR
    NIWMONTH        2012 INTERVIEW MONTH
    NIWYEAR         2012 INTERVIEW YEAR
    OIWMONTH        2014 INTERVIEW MONTH
    OIWYEAR         2014 INTERVIEW YEAR
```

Birth date: Month, Year, and SAS date

Wave	Variable Name	Variable Label	Type
1	RABYEAR	RABYEAR: R birth year	Cont
1	S1BYEAR	S1BYEAR: S birth year	Cont
2	S2BYEAR	S2BYEAR: S birth year	Cont
3	S3BYEAR	S3BYEAR: S birth year	Cont
4	S4BYEAR	S4BYEAR: S birth year	Cont
5	S5BYEAR	S5BYEAR: S birth year	Cont
6	S6BYEAR	S6BYEAR: S birth year	Cont
7	S7BYEAR	S7BYEAR: S birth year	Cont
8	S8BYEAR	S8BYEAR: S birth year	Cont
9	S9BYEAR	S9BYEAR: S birth year	Cont
10	S10BYEAR	S10BYEAR: S birth year	Cont
11	S11BYEAR	S11BYEAR: S birth year	Cont
12	S12BYEAR	S12BYEAR: S birth year	Cont
1	RABMONTH	RABMONTH: R birth month	Cont
1	S1BMONTH	S1BMONTH: S birth month	Cont
2	S2BMONTH	S2BMONTH: S birth month	Cont
3	S3BMONTH	S3BMONTH: S birth month	Cont
4	S4BMONTH	S4BMONTH: S birth month	Cont
5	S5BMONTH	S5BMONTH: S birth month	Cont
6	S6BMONTH	S6BMONTH: S birth month	Cont
7	S7BMONTH	S7BMONTH: S birth month	Cont
8	S8BMONTH	S8BMONTH: S birth month	Cont
9	S9BMONTH	S9BMONTH: S birth month	Cont
10	S10BMONTH	S10BMONTH: S birth month	Cont
11	S11BMONTH	S11BMONTH: S birth month	Cont
12	S12BMONTH	S12BMONTH: S birth month	Cont
1	RABFLAG	RABFLAG: R flag birthdate missings	Categ
1	S1BFLAG	S1BFLAG: S flag birthdate missings	Categ
2	S2BFLAG	S2BFLAG: S flag birthdate missings	Categ
3	S3BFLAG	S3BFLAG: S flag birthdate missings	Categ
4	S4BFLAG	S4BFLAG: S flag birthdate missings	Categ
5	S5BFLAG	S5BFLAG: S flag birthdate missings	Categ
6	S6BFLAG	S6BFLAG: S flag birthdate missings	Categ
7	S7BFLAG	S7BFLAG: S flag birthdate missings	Categ
8	S8BFLAG	S8BFLAG: S flag birthdate missings	Categ
9	S9BFLAG	S9BFLAG: S flag birthdate missings	Categ
10	S10BFLAG	S10BFLAG: S flag birthdate missings	Categ
11	S11BFLAG	S11BFLAG: S flag birthdate missings	Categ
12	S12BFLAG	S12BFLAG: S flag birthdate missings	Categ
1	RABDATE	RABDATE: R birth date	Cont
1	S1BDATE	S1BDATE: S birth date	Cont
2	S2BDATE	S2BDATE: S birth date	Cont
3	S3BDATE	S3BDATE: S birth date	Cont
4	S4BDATE	S4BDATE: S birth date	Cont
5	S5BDATE	S5BDATE: S birth date	Cont
6	S6BDATE	S6BDATE: S birth date	Cont
7	S7BDATE	S7BDATE: S birth date	Cont
8	S8BDATE	S8BDATE: S birth date	Cont
9	S9BDATE	S9BDATE: S birth date	Cont
10	S10BDATE	S10BDATE: S birth date	Cont
11	S11BDATE	S11BDATE: S birth date	Cont
12	S12BDATE	S12BDATE: S birth date	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RABYEAR	37494	1937.40	15.09	1890.0	1995.0
S1BYEAR	10279	1936.57	6.13	1907.0	1969.0
S2BYEAR	13583	1930.77	10.51	1890.0	1971.0
S3BYEAR	12254	1931.56	10.13	1898.0	1974.0
S4BYEAR	14507	1933.94	10.17	1900.0	1973.0
S5BYEAR	13040	1934.72	9.79	1900.0	1976.0
S6BYEAR	11858	1935.58	9.41	1900.0	1980.0
S7BYEAR	13352	1939.25	10.51	1900.0	1976.0
S8BYEAR	12034	1939.82	10.16	1907.0	1983.0
S9BYEAR	11011	1940.53	9.95	1909.0	1986.0
S10BYEAR	14234	1946.17	11.18	1912.0	1992.0
S11BYEAR	13080	1946.77	10.82	1912.0	1992.0
S12BYEAR	11622	1947.68	10.48	1915.0	1995.0
RABMONTH	37494	6.55	3.43	1.0	12.0
S1BMONTH	10279	6.46	3.41	1.0	12.0
S2BMONTH	13583	6.46	3.41	1.0	12.0
S3BMONTH	12254	6.46	3.41	1.0	12.0
S4BMONTH	14507	6.52	3.42	1.0	12.0
S5BMONTH	13040	6.52	3.41	1.0	12.0
S6BMONTH	11858	6.52	3.40	1.0	12.0
S7BMONTH	13352	6.55	3.40	1.0	12.0
S8BMONTH	12034	6.56	3.40	1.0	12.0
S9BMONTH	11011	6.56	3.40	1.0	12.0
S10BMONTH	14234	6.60	3.41	1.0	12.0
S11BMONTH	13080	6.59	3.40	1.0	12.0
S12BMONTH	11622	6.58	3.40	1.0	12.0
RABFLAG	37495	0.00	0.04	0.0	3.0
S1BFLAG	10279	0.00	0.03	0.0	1.0
S2BFLAG	13608	0.01	0.13	0.0	3.0
S3BFLAG	12276	0.01	0.13	0.0	3.0
S4BFLAG	14511	0.01	0.09	0.0	3.0
S5BFLAG	13041	0.00	0.04	0.0	3.0
S6BFLAG	11858	0.00	0.06	0.0	1.0
S7BFLAG	13352	0.00	0.06	0.0	1.0
S8BFLAG	12051	0.00	0.07	0.0	1.0
S9BFLAG	11011	0.01	0.08	0.0	1.0
S10BFLAG	14234	0.01	0.09	0.0	1.0
S11BFLAG	13080	0.01	0.10	0.0	1.0
S12BFLAG	11623	0.01	0.11	0.0	3.0
RABDATE	37494	-8072.30	5513.24	-25371.0	12949.0
S1BDATE	10279	-8376.37	2240.01	-19313.0	3361.0
S2BDATE	13583	-10497.63	3837.47	-25371.0	4032.0
S3BDATE	12254	-10207.21	3699.63	-22599.0	5340.0
S4BDATE	14507	-9337.10	3715.18	-21900.0	4883.0
S5BDATE	13040	-9052.09	3575.87	-21900.0	6102.0
S6BDATE	11858	-8738.53	3435.49	-21900.0	7440.0
S7BDATE	13352	-7394.49	3841.58	-21900.0	6102.0
S8BDATE	12034	-7189.60	3714.17	-19313.0	8658.0
S9BDATE	11011	-6927.76	3634.73	-18309.0	9678.0

S10BDATE	14234	-4865.79	4085.01	-17213.0	11823.0
S11BDATE	13080	-4650.22	3953.45	-17213.0	11823.0
S12BDATE	11622	-4315.94	3828.51	-16363.0	12949.0

Categorical Variable Codes

Value	RABFLAG
0.Mo/Yr OK	37449
1.Mo missing	45
3.Mo/Yr missing	1

Value	S1BFLAG	S2BFLAG	S3BFLAG	S4BFLAG	S5BFLAG	S6BFLAG	S7BFLAG
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		64	57	4		1	
0.Mo/Yr OK	10269	13571	12240	14434	13025	11811	13298
1.Mo missing	10	12	14	73	15	47	54
3.Mo/Yr missing		25	22	4	1		

Value	S8BFLAG	S9BFLAG	S10BFLAG	S11BFLAG	S12BFLAG
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	1		1		2
0.Mo/Yr OK	11994	10944	14130	12943	11476
1.Mo missing	57	67	104	137	146
3.Mo/Yr missing					1

How Constructed

RABMONTH and RABYEAR are the Respondent's reported birth month and year, respectively. RABDATE is the SAS date format of the birth date. The SAS date format is the number of days since 1/1/1960. If a date is before 1960 the SAS date is a negative number; if after 1960 it is a positive number.

The Respondent birth date is derived by searching all waves of data and Tracker for a non-missing date. The first non-missing birth month is used beginning with the Tracker BIRTHMO and BIRTHYR, and then the core data from Wave 1 forward, consecutively.

To calculate RABDATE, a day must also be used. If the birth month is given, the 15th is used as the day. If the month is missing but year is given, the day is July 1st and RABMONTH is set to 7. If the year is missing, the birth date is missing. RABFLAG indicates if the birth month is missing.

Spouse birth date is taken from the Wave "w" spouse's self-reported birth date, i.e., from the spouse's RABMONTH, RABYEAR, and RABDATE. If the spouse never responded, then the birth month and year of spouse as reported by the Respondent in Wave "w" is used.

HRS Variables Used

```
HRS 1992:
    V42             R:BIRTHDATE:MONTH
    V44             R:BIRTHDATE:YEAR
AHEAD 1993:
    B114            A1. BIRTH YEAR
HRS 1994:
    W212            A11. R:Birthdate:Month
    W53             Year of Birth
AHEAD 1995:
    D636            A1. BIRTHDATE MONTH
    D638            A1B. BIRTHDATE YEAR
HRS 1996:
    E636            A1.BIRTHDATE MONTH
    E638            A1B.BIRTHDATE YEAR
HRS 1998:
    F488            CS2A.R BIRTHDATE
    F685            R BIRTH YEAR
    F968            A1.BIRTHDATE MONTH
    F970            A1B.BIRTHDATE YEAR
HRS 2000:
    G1051           A1.BIRTHDATE MONTH
    G1053           A1B.BIRTHDATE YEAR
    G756            CS22Y33.R BIRTH YEAR TE
HRS 2002:
    HX004_R         R MONTH BORN-UPDATED
    HX067_R         YEAR BORN-UPDATED
HRS 2004:
    JX004_R         R MONTH BORN-UPDATED
    JX067_R         YEAR BORN-UPDATED - R
HRS 2006:
    KX004_R         R MONTH BORN-UPDATED
    KX067_R         YEAR BORN-UPDATED - R
HRS 2008:
    LX004_R         R MONTH BORN-UPDATED
    LX067_R         YEAR BORN-UPDATED - R
HRS 2010:
    MX004_R         R MONTH BORN-UPDATED
    MX067_R         YEAR BORN-UPDATED
HRS 2012:
    NX004_R         R MONTH BORN-UPDATED
    NX067_R         YEAR BORN-UPDATED
HRS 2014:
    OX004_R         R MONTH BORN-UPDATED
    OX067_R         YEAR BORN-UPDATED
Tracker:
    BIRTHMO         BIRTHDATE: MONTH
    BIRTHYR         BIRTHDATE: YEAR
```

Death date: Month, Year, and SAS date

Wave	Variable Name	Variable Label	Type
1	RADYEAR	RADYEAR: R death year	Cont
1	S1DYEAR	S1DYEAR: S death year	Cont
2	S2DYEAR	S2DYEAR: S death year	Cont
3	S3DYEAR	S3DYEAR: S death year	Cont
4	S4DYEAR	S4DYEAR: S death year	Cont
5	S5DYEAR	S5DYEAR: S death year	Cont
6	S6DYEAR	S6DYEAR: S death year	Cont
7	S7DYEAR	S7DYEAR: S death year	Cont
8	S8DYEAR	S8DYEAR: S death year	Cont
9	S9DYEAR	S9DYEAR: S death year	Cont
10	S10DYEAR	S10DYEAR: S death year	Cont
11	S11DYEAR	S11DYEAR: S death year	Cont
12	S12DYEAR	S12DYEAR: S death year	Cont
1	RADMONTH	RADMONTH: R death month	Cont
1	S1DMONTH	S1DMONTH: S death month	Cont
2	S2DMONTH	S2DMONTH: S death month	Cont
3	S3DMONTH	S3DMONTH: S death month	Cont
4	S4DMONTH	S4DMONTH: S death month	Cont
5	S5DMONTH	S5DMONTH: S death month	Cont
6	S6DMONTH	S6DMONTH: S death month	Cont
7	S7DMONTH	S7DMONTH: S death month	Cont
8	S8DMONTH	S8DMONTH: S death month	Cont
9	S9DMONTH	S9DMONTH: S death month	Cont
10	S10DMONTH	S10DMONTH: S death month	Cont
11	S11DMONTH	S11DMONTH: S death month	Cont
12	S12DMONTH	S12DMONTH: S death month	Cont
1	RADDATE	RADDATE: R death date	Cont
1	S1DDATE	S1DDATE: S death date	Cont
2	S2DDATE	S2DDATE: S death date	Cont
3	S3DDATE	S3DDATE: S death date	Cont
4	S4DDATE	S4DDATE: S death date	Cont
5	S5DDATE	S5DDATE: S death date	Cont
6	S6DDATE	S6DDATE: S death date	Cont
7	S7DDATE	S7DDATE: S death date	Cont
8	S8DDATE	S8DDATE: S death date	Cont
9	S9DDATE	S9DDATE: S death date	Cont
10	S10DDATE	S10DDATE: S death date	Cont
11	S11DDATE	S11DDATE: S death date	Cont
12	S12DDATE	S12DDATE: S death date	Cont
1	RANYEAR	RANYEAR: R NDI death year	Cont
1	S1NYEAR	S1NYEAR: S NDI death year	Cont
2	S2NYEAR	S2NYEAR: S NDI death year	Cont
3	S3NYEAR	S3NYEAR: S NDI death year	Cont
4	S4NYEAR	S4NYEAR: S NDI death year	Cont
5	S5NYEAR	S5NYEAR: S NDI death year	Cont
6	S6NYEAR	S6NYEAR: S NDI death year	Cont
7	S7NYEAR	S7NYEAR: S NDI death year	Cont
8	S8NYEAR	S8NYEAR: S NDI death year	Cont
9	S9NYEAR	S9NYEAR: S NDI death year	Cont
10	S10NYEAR	S10NYEAR: S NDI death year	Cont
11	S11NYEAR	S11NYEAR: S NDI death year	Cont
12	S12NYEAR	S12NYEAR: S NDI death year	Cont
1	RANMONTH	RANMONTH: R NDI death month	Cont
1	S1NMONTH	S1NMONTH: S NDI death month	Cont
2	S2NMONTH	S2NMONTH: S NDI death month	Cont
3	S3NMONTH	S3NMONTH: S NDI death month	Cont
4	S4NMONTH	S4NMONTH: S NDI death month	Cont

5	S5NMONTH	S5NMONTH: S NDI death month	Cont
6	S6NMONTH	S6NMONTH: S NDI death month	Cont
7	S7NMONTH	S7NMONTH: S NDI death month	Cont
8	S8NMONTH	S8NMONTH: S NDI death month	Cont
9	S9NMONTH	S9NMONTH: S NDI death month	Cont
10	S10NMONTH	S10NMONTH: S NDI death month	Cont
11	S11NMONTH	S11NMONTH: S NDI death month	Cont
12	S12NMONTH	S12NMONTH: S NDI death month	Cont
1	RANDATE	RANDATE: R NDI death date	Cont
1	S1NDATE	S1NDATE: S NDI death date	Cont
2	S2NDATE	S2NDATE: S NDI death date	Cont
3	S3NDATE	S3NDATE: S NDI death date	Cont
4	S4NDATE	S4NDATE: S NDI death date	Cont
5	S5NDATE	S5NDATE: S NDI death date	Cont
6	S6NDATE	S6NDATE: S NDI death date	Cont
7	S7NDATE	S7NDATE: S NDI death date	Cont
8	S8NDATE	S8NDATE: S NDI death date	Cont
9	S9NDATE	S9NDATE: S NDI death date	Cont
10	S10NDATE	S10NDATE: S NDI death date	Cont
11	S11NDATE	S11NDATE: S NDI death date	Cont
12	S12NDATE	S12NDATE: S NDI death date	Cont
1	RAIYEAR	RAIYEAR: R Exit Interview death year	Cont
1	S1IYEAR	S1IYEAR: S Exit Interview death year	Cont
2	S2IYEAR	S2IYEAR: S Exit Interview death year	Cont
3	S3IYEAR	S3IYEAR: S Exit Interview death year	Cont
4	S4IYEAR	S4IYEAR: S Exit Interview death year	Cont
5	S5IYEAR	S5IYEAR: S Exit Interview death year	Cont
6	S6IYEAR	S6IYEAR: S Exit Interview death year	Cont
7	S7IYEAR	S7IYEAR: S Exit Interview death year	Cont
8	S8IYEAR	S8IYEAR: S Exit Interview death year	Cont
9	S9IYEAR	S9IYEAR: S Exit Interview death year	Cont
10	S10IYEAR	S10IYEAR: S Exit Interview death year	Cont
11	S11IYEAR	S11IYEAR: S Exit Interview death year	Cont
12	S12IYEAR	S12IYEAR: S Exit Interview death year	Cont
1	RAIMONTH	RAIMONTH: R Exit Interview death month	Cont
1	S1IMONTH	S1IMONTH: S Exit Interview death month	Cont
2	S2IMONTH	S2IMONTH: S Exit Interview death month	Cont
3	S3IMONTH	S3IMONTH: S Exit Interview death month	Cont
4	S4IMONTH	S4IMONTH: S Exit Interview death month	Cont
5	S5IMONTH	S5IMONTH: S Exit Interview death month	Cont
6	S6IMONTH	S6IMONTH: S Exit Interview death month	Cont
7	S7IMONTH	S7IMONTH: S Exit Interview death month	Cont
8	S8IMONTH	S8IMONTH: S Exit Interview death month	Cont
9	S9IMONTH	S9IMONTH: S Exit Interview death month	Cont
10	S10IMONTH	S10IMONTH: S Exit Interview death month	Cont
11	S11IMONTH	S11IMONTH: S Exit Interview death month	Cont
12	S12IMONTH	S12IMONTH: S Exit Interview death month	Cont
1	RAIDATE	RAIDATE: R Exit Interview death date	Cont
1	S1IDATE	S1IDATE: S Exit Interview death date	Cont
2	S2IDATE	S2IDATE: S Exit Interview death date	Cont
3	S3IDATE	S3IDATE: S Exit Interview death date	Cont
4	S4IDATE	S4IDATE: S Exit Interview death date	Cont
5	S5IDATE	S5IDATE: S Exit Interview death date	Cont
6	S6IDATE	S6IDATE: S Exit Interview death date	Cont
7	S7IDATE	S7IDATE: S Exit Interview death date	Cont
8	S8IDATE	S8IDATE: S Exit Interview death date	Cont
9	S9IDATE	S9IDATE: S Exit Interview death date	Cont
10	S10IDATE	S10IDATE: S Exit Interview death date	Cont
11	S11IDATE	S11IDATE: S Exit Interview death date	Cont
12	S12IDATE	S12IDATE: S Exit Interview death date	Cont
1	RANDATEF	RANDATEF: R NDI flag death date and interview discrepancy	Categ
1	S1NDATEF	S1NDATEF: S NDI flag death date and interview discrepancy	Categ

2	S2NDATEF	S2NDATEF: S NDI flag death date and interview discrepancy	Categ
3	S3NDATEF	S3NDATEF: S NDI flag death date and interview discrepancy	Categ
4	S4NDATEF	S4NDATEF: S NDI flag death date and interview discrepancy	Categ
5	S5NDATEF	S5NDATEF: S NDI flag death date and interview discrepancy	Categ
6	S6NDATEF	S6NDATEF: S NDI flag death date and interview discrepancy	Categ
7	S7NDATEF	S7NDATEF: S NDI flag death date and interview discrepancy	Categ
8	S8NDATEF	S8NDATEF: S NDI flag death date and interview discrepancy	Categ
9	S9NDATEF	S9NDATEF: S NDI flag death date and interview discrepancy	Categ
10	S10NDATEF	S10NDATEF: S NDI flag death date and interview discrepancy	Categ
11	S11NDATEF	S11NDATEF: S NDI flag death date and interview discrepancy	Categ
12	S12NDATEF	S12NDATEF: S NDI flag death date and interview discrepancy	Categ
1	RAIDATEF	RAIDATEF: R Exit Interview flag death date and interview discr	Categ
1	S1IDATEF	S1IDATEF: S Exit Interview flag death date and interview discr	Categ
2	S2IDATEF	S2IDATEF: S Exit Interview flag death date and interview discr	Categ
3	S3IDATEF	S3IDATEF: S Exit Interview flag death date and interview discr	Categ
4	S4IDATEF	S4IDATEF: S Exit Interview flag death date and interview discr	Categ
5	S5IDATEF	S5IDATEF: S Exit Interview flag death date and interview discr	Categ
6	S6IDATEF	S6IDATEF: S Exit Interview flag death date and interview discr	Categ
7	S7IDATEF	S7IDATEF: S Exit Interview flag death date and interview discr	Categ
8	S8IDATEF	S8IDATEF: S Exit Interview flag death date and interview discr	Categ
9	S9IDATEF	S9IDATEF: S Exit Interview flag death date and interview discr	Categ
10	S10IDATEF	S10IDATEF: S Exit Interview flag death date and interview disc	Categ
11	S11IDATEF	S11IDATEF: S Exit Interview flag death date and interview disc	Categ
12	S12IDATEF	S12IDATEF: S Exit Interview flag death date and interview disc	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RADYEAR	14018	2003.90	5.81	1992.0	2014.0
S1DYEAR	3489	2004.76	6.02	1992.0	2014.0
S2DYEAR	6699	2003.97	5.72	1993.0	2014.0
S3DYEAR	5633	2004.93	5.21	1994.0	2014.0
S4DYEAR	5584	2006.21	4.64	1994.0	2014.0
S5DYEAR	4543	2007.22	4.07	1994.0	2014.0
S6DYEAR	3622	2008.36	3.43	2000.0	2014.0
S7DYEAR	3062	2009.22	2.96	1992.0	2014.0
S8DYEAR	2347	2010.23	2.38	1992.0	2014.0
S9DYEAR	1663	2011.15	1.83	2001.0	2014.0
S10DYEAR	1073	2012.20	1.27	2001.0	2014.0
S11DYEAR	560	2013.02	1.09	2001.0	2014.0
S12DYEAR	20	2013.55	0.60	2012.0	2014.0
RADMONTH	14002	6.46	3.54	1.0	12.0
S1DMONTH	3484	6.54	3.54	1.0	12.0
S2DMONTH	6693	6.46	3.54	1.0	12.0
S3DMONTH	5626	6.45	3.54	1.0	12.0
S4DMONTH	5576	6.50	3.55	1.0	12.0
S5DMONTH	4535	6.49	3.57	1.0	12.0
S6DMONTH	3614	6.50	3.56	1.0	12.0
S7DMONTH	3053	6.54	3.56	1.0	12.0
S8DMONTH	2340	6.48	3.54	1.0	12.0
S9DMONTH	1657	6.45	3.55	1.0	12.0
S10DMONTH	1070	6.32	3.58	1.0	12.0
S11DMONTH	559	6.47	3.63	1.0	12.0
S12DMONTH	20	6.25	3.37	1.0	12.0

RADDATE	14018	16231.21	2120.02	11839.0	20088.0
S1DDATE	3489	16546.68	2192.72	11839.0	20088.0
S2DDATE	6699	16256.07	2085.34	12387.0	20088.0
S3DDATE	5633	16605.20	1900.37	12661.0	20088.0
S4DDATE	5584	17075.80	1687.52	12661.0	20088.0
S5DDATE	4543	17443.26	1479.73	12661.0	20088.0
S6DDATE	3622	17859.00	1245.09	14853.0	20088.0
S7DDATE	3062	18176.92	1070.72	12022.0	20088.0
S8DDATE	2347	18541.28	860.95	12022.0	20088.0
S9DDATE	1663	18877.37	655.95	15065.0	20088.0
S10DDATE	1073	19257.55	453.71	15065.0	20088.0
S11DDATE	560	19559.88	379.95	15065.0	20088.0
S12DDATE	20	19748.20	226.30	19236.0	19966.0
RANYEAR	12079	2002.67	5.09	1992.0	2011.0
S1NYEAR	2887	2003.29	5.38	1992.0	2011.0
S2NYEAR	5839	2002.86	5.06	1993.0	2011.0
S3NYEAR	4814	2003.75	4.53	1994.0	2011.0
S4NYEAR	4578	2004.90	3.92	1994.0	2011.0
S5NYEAR	3588	2005.88	3.34	1994.0	2011.0
S6NYEAR	2711	2006.97	2.68	2000.0	2011.0
S7NYEAR	2142	2007.79	2.21	1992.0	2011.0
S8NYEAR	1455	2008.77	1.64	1992.0	2011.0
S9NYEAR	851	2009.72	1.03	2006.0	2011.0
S10NYEAR	278	2010.76	0.49	2008.0	2011.0
S11NYEAR	5	2009.60	3.13	2004.0	2011.0
RANMONTH	12079	6.52	3.53	1.0	12.0
S1NMONTH	2887	6.64	3.52	1.0	12.0
S2NMONTH	5839	6.54	3.53	1.0	12.0
S3NMONTH	4814	6.54	3.53	1.0	12.0
S4NMONTH	4578	6.62	3.53	1.0	12.0
S5NMONTH	3588	6.62	3.55	1.0	12.0
S6NMONTH	2711	6.66	3.53	1.0	12.0
S7NMONTH	2142	6.77	3.53	1.0	12.0
S8NMONTH	1455	6.75	3.48	1.0	12.0
S9NMONTH	851	6.86	3.46	1.0	12.0
S10NMONTH	278	7.10	3.38	1.0	12.0
S11NMONTH	5	6.00	1.41	4.0	8.0
RANDATE	12079	15780.54	1859.42	11839.0	18992.0
S1NDATE	2887	16014.04	1963.82	11839.0	18992.0
S2NDATE	5839	15853.79	1848.60	12387.0	18992.0
S3NDATE	4814	16177.91	1654.98	12661.0	18992.0
S4NDATE	4578	16599.82	1428.15	12661.0	18992.0
S5NDATE	3588	16957.68	1216.13	12661.0	18992.0
S6NDATE	2711	17357.16	976.74	14853.0	18992.0
S7NDATE	2142	17661.60	804.04	12022.0	18992.0
S8NDATE	1455	18018.72	594.89	12022.0	18992.0
S9NDATE	851	18367.31	373.27	17044.0	18992.0
S10NDATE	278	18754.39	171.82	17866.0	18992.0
S11NDATE	5	18297.00	1144.02	16252.0	18870.0
RAIYEAR	12662	2004.13	5.76	1992.0	2014.0

S1IYEAR	2934	2005.42	5.69	1992.0	2014.0
S2IYEAR	6190	2003.96	5.79	1992.0	2014.0
S3IYEAR	5259	2004.95	5.27	1995.0	2014.0
S4IYEAR	5303	2006.27	4.67	1998.0	2014.0
S5IYEAR	4355	2007.28	4.07	2000.0	2014.0
S6IYEAR	3531	2008.38	3.44	2001.0	2014.0
S7IYEAR	2999	2009.25	2.96	2001.0	2014.0
S8IYEAR	2306	2010.26	2.36	2001.0	2014.0
S9IYEAR	1636	2011.17	1.83	2001.0	2014.0
S10IYEAR	1066	2012.21	1.27	2001.0	2014.0
S11IYEAR	559	2013.02	1.08	2001.0	2014.0
S12IYEAR	20	2013.55	0.60	2012.0	2014.0
RAIMONTH	12586	6.46	3.54	1.0	12.0
S1IMONTH	2924	6.52	3.55	1.0	12.0
S2IMONTH	6163	6.46	3.54	1.0	12.0
S3IMONTH	5236	6.46	3.54	1.0	12.0
S4IMONTH	5279	6.50	3.55	1.0	12.0
S5IMONTH	4334	6.50	3.56	1.0	12.0
S6IMONTH	3513	6.50	3.56	1.0	12.0
S7IMONTH	2981	6.54	3.56	1.0	12.0
S8IMONTH	2294	6.49	3.55	1.0	12.0
S9IMONTH	1627	6.46	3.56	1.0	12.0
S10IMONTH	1062	6.32	3.59	1.0	12.0
S11IMONTH	558	6.47	3.64	1.0	12.0
S12IMONTH	20	6.25	3.37	1.0	12.0
RAIDATE	12662	16314.42	2101.40	11961.0	20088.0
S1IDATE	2934	16786.75	2074.22	11961.0	20088.0
S2IDATE	6190	16252.98	2111.23	11747.0	20088.0
S3IDATE	5259	16612.09	1922.14	13117.0	20088.0
S4IDATE	5303	17095.31	1700.85	13938.0	20088.0
S5IDATE	4355	17467.57	1479.33	14669.0	20088.0
S6IDATE	3531	17868.79	1248.42	15065.0	20088.0
S7IDATE	2999	18184.68	1070.57	15065.0	20088.0
S8IDATE	2306	18552.58	851.84	15065.0	20088.0
S9IDATE	1636	18885.96	656.29	15065.0	20088.0
S10IDATE	1066	19260.67	453.84	15065.0	20088.0
S11IDATE	559	19561.22	378.95	15065.0	20088.0
S12IDATE	20	19748.20	226.30	19236.0	19966.0
RANDATEF	14144	1.59	3.39	0.0	9.0
S1NDATEF	3522	2.18	3.79	0.0	9.0
S2NDATEF	6706	1.52	3.33	0.0	9.0
S3NDATEF	5673	1.61	3.42	0.0	9.0
S4NDATEF	5626	1.85	3.61	0.0	9.0
S5NDATEF	4584	2.06	3.77	0.0	9.0
S6NDATEF	3662	2.38	3.97	0.0	9.0
S7NDATEF	3098	2.81	4.17	0.0	9.0
S8NDATEF	2373	3.51	4.39	0.0	9.0
S9NDATEF	1685	4.47	4.50	0.0	9.0
S10NDATEF	1090	6.70	3.92	0.0	9.0
S11NDATEF	560	8.92	0.85	0.0	9.0
S12NDATEF	20	9.00	0.00	9.0	9.0
RAIDATEF	13648	0.65	2.33	0.0	9.0

S1IDATEF	3289	1.01	2.84	0.0	9.0
S2IDATEF	6451	0.45	1.95	0.0	9.0
S3IDATEF	5498	0.41	1.88	0.0	9.0
S4IDATEF	5515	0.37	1.78	0.0	9.0
S5IDATEF	4533	0.37	1.79	0.0	9.0
S6IDATEF	3641	0.28	1.56	0.0	9.0
S7IDATEF	3080	0.25	1.47	0.0	9.0
S8IDATEF	2361	0.23	1.41	0.0	9.0
S9IDATEF	1679	0.25	1.46	0.0	9.0
S10IDATEF	1088	0.22	1.33	0.0	9.0
S11IDATEF	560	0.05	0.45	0.0	9.0
S12IDATEF	20	0.00	0.00	0.0	0.0

Categorical Variable Codes

Value	RANDATEF
.X=No death date	23351
0.Death after last live IW	11593
3.Date betw last IW beg/end	4
8.DthDt aft last IW-maybe d	482
9.R died but no death date	2065

Value	S1NDATEF	S2NDATEF	S3NDATEF	S4NDATEF	S5NDATEF	S6NDATEF	S7NDATEF
.N=no live interivew	15	50	8	11	8	2	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		64	64	62	34	37	45
.X=No death date	6742	6852	6588	8816	8415	8158	10209
0.Death after last live IW	2642	5544	4636	4459	3531	2690	2128
3.Date betw last IW beg/end	1	3	2				
8.DthDt aft last IW-maybe d	229	242	168	108	49	19	14
9.R died but no death date	650	917	867	1059	1004	953	956

Value	S8NDATEF	S9NDATEF	S10NDATEF	S11NDATEF	S12NDATEF
.N=no live interivew	1				
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	51	58	88	95	87
.X=No death date	9627	9268	13057	12425	11518
0.Death after last live IW	1446	848	278	5	
8.DthDt aft last IW-maybe d	8	3			
9.R died but no death date	919	834	812	555	20

Value	RAIDATEF
.M=Missing death year	16
.X=No death date	23831
0.Death after last live IW	12639
2.Death dt bef last live IW	14
3.Date betw last IW beg/end	7
8.DthDt aft last IW-maybe d	2
9.R died but no death date	986

Value	S1IDATEF	S2IDATEF	S3IDATEF	S4IDATEF	S5IDATEF	S6IDATEF	S7IDATEF
.M=Missing death year	5	7	5	4	3	2	1
.N=no live interivew	14	56	10	11	8	2	3
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		64	65	62	34	37	45
.X=No death date	6971	7094	6755	8923	8463	8177	10223
0.Death after last live IW	2913	6123	5238	5283	4338	3521	2988
2.Death dt bef last live IW	6	8	8	8	8	8	8
3.Date betw last IW beg/end	1	3	2				
8.DthDt aft last IW-maybe d			1	1	1		
9.R died but no death date	369	317	249	223	186	112	84

Value	S8IDATEF	S9IDATEF	S10IDATEF	S11IDATEF	S12IDATEF
.M=Missing death year	1	1			
.N=no live interivew	4	2	2		
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	51	58	88	95	87
.X=No death date	9635	9271	13057	12425	11518
0.Death after last live IW	2293	1626	1055	550	20
2.Death dt bef last live IW	9	8	9	9	
9.R died but no death date	59	45	24	1	

How Constructed

RANYEAR, RANMONTH and RANDATE are the National Death Index (NDI) dates, and RAIYEAR, RAIMONTH, and RAIDATE are the dates ascertained by HRS and populated by either the exit interview or spouse reported year of death information. These death dates are taken directly from the Tracker file. RADDATE and RANDATE are the SAS date format of the Death date. RADYEAR, RADMONTH and RADDATE are the combination of the NDI dates and the exit interview/spouse reported dates. If both are present, we use the NDI date.

To calculate RANDATE and RAIDATE, a day must also be used. If the death month is given, the last day of the month is used as the day. If the month is missing but year is given, and the year is the same as the last live interview, the month and day are set using the mean date between the last interview date and the last day of the year. Otherwise if the month is missing, the death date is set to July 1st of the death year. If the year is missing, the death date is missing.

The RANDATEF and RAIDATEF flags indicate discrepancies between the interview date and the HRS and NDI death dates, respectively (RANDATE/RAIDATE). The flags are assigned a value of 0 if the death date is after their last live interview. They are assigned a value of 1 if there is a death date, but they are not reported as deceased in the Tracker file (RwIWSTAT is not 5 or 6 in any wave) and the death date falls before their last live interview. If the death date is before the begin date of the last interview (RwIWBEG), the flags are assigned a value of 2. If it falls between the beginning and ending interview dates, the flags are set to 3. If there is a death date that falls after their last live interview and they are not reported as deceased in the Tracker file (RwIWSTAT=5 or 6), the Respondent may be deceased, and the flag is assigned a value of 8. If the Respondent has died (RwIWSTAT is 5 or 6) and no death date is given, the flag is set to 9. If there is no death date, a missing code of .X is assigned to the month, year, and date of death.

RADYEAR/RANYEAR/RAIYEAR and RADMONTH/RANMONTH/RAIMONTH are the year and month of death.

Spouse death date is taken from the Wave "w" spouse's death date, i.e., from the spouse's RADDATE.

HRS Variables Used

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Tracker:
    EXDEATHMO       MONTH OF DEATH
    EXDEATHYR       YEAR OF DEATH
    NMONTH          NDI MONTH OF DEATH
    NYEAR           NDI YEAR OF DEATH
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Age at interview (in months and years)

Wave	Variable Name	Variable Label	Type
1	R1AGEM_B	R1AGEM_B:W1 R Age (months) at Ivw BegMon	Cont
2	R2AGEM_B	R2AGEM_B:W2 R Age (months) at Ivw BegMon	Cont
3	R3AGEM_B	R3AGEM_B:W3 R Age (months) at Ivw BegMon	Cont
4	R4AGEM_B	R4AGEM_B:W4 R Age (months) at Ivw BegMon	Cont
5	R5AGEM_B	R5AGEM_B:W5 R Age (months) at Ivw BegMon	Cont
6	R6AGEM_B	R6AGEM_B:W6 R Age (months) at Ivw BegMon	Cont
7	R7AGEM_B	R7AGEM_B:W7 R Age (months) at Ivw BegMon	Cont
8	R8AGEM_B	R8AGEM_B:W8 R Age (months) at Ivw BegMon	Cont
9	R9AGEM_B	R9AGEM_B:W9 R Age (months) at Ivw BegMon	Cont
10	R10AGEM_B	R10AGEM_B:W10 R Age (months) at Ivw BegMon	Cont
11	R11AGEM_B	R11AGEM_B:W11 R Age (months) at Ivw BegMon	Cont
12	R12AGEM_B	R12AGEM_B:W12 R Age (months) at Ivw BegMon	Cont
1	S1AGEM_B	S1AGEM_B:W1 S Age (months) at Ivw BegMon	Cont
2	S2AGEM_B	S2AGEM_B:W2 S Age (months) at Ivw BegMon	Cont
3	S3AGEM_B	S3AGEM_B:W3 S Age (months) at Ivw BegMon	Cont
4	S4AGEM_B	S4AGEM_B:W4 S Age (months) at Ivw BegMon	Cont
5	S5AGEM_B	S5AGEM_B:W5 S Age (months) at Ivw BegMon	Cont
6	S6AGEM_B	S6AGEM_B:W6 S Age (months) at Ivw BegMon	Cont
7	S7AGEM_B	S7AGEM_B:W7 S Age (months) at Ivw BegMon	Cont
8	S8AGEM_B	S8AGEM_B:W8 S Age (months) at Ivw BegMon	Cont
9	S9AGEM_B	S9AGEM_B:W9 S Age (months) at Ivw BegMon	Cont
10	S10AGEM_B	S10AGEM_B:W10 S Age (months) at Ivw BegMon	Cont
11	S11AGEM_B	S11AGEM_B:W11 S Age (months) at Ivw BegMon	Cont
12	S12AGEM_B	S12AGEM_B:W12 S Age (months) at Ivw BegMon	Cont
1	R1AGEY_B	R1AGEY_B:W1 R Age (years) at Ivw BegMon	Cont
2	R2AGEY_B	R2AGEY_B:W2 R Age (years) at Ivw BegMon	Cont
3	R3AGEY_B	R3AGEY_B:W3 R Age (years) at Ivw BegMon	Cont
4	R4AGEY_B	R4AGEY_B:W4 R Age (years) at Ivw BegMon	Cont
5	R5AGEY_B	R5AGEY_B:W5 R Age (years) at Ivw BegMon	Cont
6	R6AGEY_B	R6AGEY_B:W6 R Age (years) at Ivw BegMon	Cont
7	R7AGEY_B	R7AGEY_B:W7 R Age (years) at Ivw BegMon	Cont
8	R8AGEY_B	R8AGEY_B:W8 R Age (years) at Ivw BegMon	Cont
9	R9AGEY_B	R9AGEY_B:W9 R Age (years) at Ivw BegMon	Cont
10	R10AGEY_B	R10AGEY_B:W10 R Age (years) at Ivw BegMon	Cont
11	R11AGEY_B	R11AGEY_B:W11 R Age (years) at Ivw BegMon	Cont
12	R12AGEY_B	R12AGEY_B:W12 R Age (years) at Ivw BegMon	Cont
1	S1AGEY_B	S1AGEY_B:W1 S Age (years) at Ivw BegMon	Cont
2	S2AGEY_B	S2AGEY_B:W2 S Age (years) at Ivw BegMon	Cont
3	S3AGEY_B	S3AGEY_B:W3 S Age (years) at Ivw BegMon	Cont
4	S4AGEY_B	S4AGEY_B:W4 S Age (years) at Ivw BegMon	Cont
5	S5AGEY_B	S5AGEY_B:W5 S Age (years) at Ivw BegMon	Cont
6	S6AGEY_B	S6AGEY_B:W6 S Age (years) at Ivw BegMon	Cont
7	S7AGEY_B	S7AGEY_B:W7 S Age (years) at Ivw BegMon	Cont
8	S8AGEY_B	S8AGEY_B:W8 S Age (years) at Ivw BegMon	Cont
9	S9AGEY_B	S9AGEY_B:W9 S Age (years) at Ivw BegMon	Cont
10	S10AGEY_B	S10AGEY_B:W10 S Age (years) at Ivw BegMon	Cont
11	S11AGEY_B	S11AGEY_B:W11 S Age (years) at Ivw BegMon	Cont
12	S12AGEY_B	S12AGEY_B:W12 S Age (years) at Ivw BegMon	Cont
1	R1AGEM_E	R1AGEM_E:W1 R Age (months) at Ivw EndMon	Cont
2	R2AGEM_E	R2AGEM_E:W2 R Age (months) at Ivw EndMon	Cont
3	R3AGEM_E	R3AGEM_E:W3 R Age (months) at Ivw EndMon	Cont
4	R4AGEM_E	R4AGEM_E:W4 R Age (months) at Ivw EndMon	Cont
5	R5AGEM_E	R5AGEM_E:W5 R Age (months) at Ivw EndMon	Cont
6	R6AGEM_E	R6AGEM_E:W6 R Age (months) at Ivw EndMon	Cont
7	R7AGEM_E	R7AGEM_E:W7 R Age (months) at Ivw EndMon	Cont
8	R8AGEM_E	R8AGEM_E:W8 R Age (months) at Ivw EndMon	Cont
9	R9AGEM_E	R9AGEM_E:W9 R Age (months) at Ivw EndMon	Cont
10	R10AGEM_E	R10AGEM_E:W10 R Age (months) at Ivw EndMon	Cont
11	R11AGEM_E	R11AGEM_E:W11 R Age (months) at Ivw EndMon	Cont
12	R12AGEM_E	R12AGEM_E:W12 R Age (months) at Ivw EndMon	Cont
1	S1AGEM_E	S1AGEM_E:W1 S Age (months) at Ivw EndMon	Cont

2	S2AGEM_E	S2AGEM_E:W2 S Age (months) at Ivw EndMon	Cont
3	S3AGEM_E	S3AGEM_E:W3 S Age (months) at Ivw EndMon	Cont
4	S4AGEM_E	S4AGEM_E:W4 S Age (months) at Ivw EndMon	Cont
5	S5AGEM_E	S5AGEM_E:W5 S Age (months) at Ivw EndMon	Cont
6	S6AGEM_E	S6AGEM_E:W6 S Age (months) at Ivw EndMon	Cont
7	S7AGEM_E	S7AGEM_E:W7 S Age (months) at Ivw EndMon	Cont
8	S8AGEM_E	S8AGEM_E:W8 S Age (months) at Ivw EndMon	Cont
9	S9AGEM_E	S9AGEM_E:W9 S Age (months) at Ivw EndMon	Cont
10	S10AGEM_E	S10AGEM_E:W10 S Age (months) at Ivw EndMon	Cont
11	S11AGEM_E	S11AGEM_E:W11 S Age (months) at Ivw EndMon	Cont
12	S12AGEM_E	S12AGEM_E:W12 S Age (months) at Ivw EndMon	Cont
1	R1AGEY_E	R1AGEY_E:W1 R Age (years) at Ivw EndMon	Cont
2	R2AGEY_E	R2AGEY_E:W2 R Age (years) at Ivw EndMon	Cont
3	R3AGEY_E	R3AGEY_E:W3 R Age (years) at Ivw EndMon	Cont
4	R4AGEY_E	R4AGEY_E:W4 R Age (years) at Ivw EndMon	Cont
5	R5AGEY_E	R5AGEY_E:W5 R Age (years) at Ivw EndMon	Cont
6	R6AGEY_E	R6AGEY_E:W6 R Age (years) at Ivw EndMon	Cont
7	R7AGEY_E	R7AGEY_E:W7 R Age (years) at Ivw EndMon	Cont
8	R8AGEY_E	R8AGEY_E:W8 R Age (years) at Ivw EndMon	Cont
9	R9AGEY_E	R9AGEY_E:W9 R Age (years) at Ivw EndMon	Cont
10	R10AGEY_E	R10AGEY_E:W10 R Age (years) at Ivw EndMon	Cont
11	R11AGEY_E	R11AGEY_E:W11 R Age (years) at Ivw EndMon	Cont
12	R12AGEY_E	R12AGEY_E:W12 R Age (years) at Ivw EndMon	Cont
1	S1AGEY_E	S1AGEY_E:W1 S Age (years) at Ivw EndMon	Cont
2	S2AGEY_E	S2AGEY_E:W2 S Age (years) at Ivw EndMon	Cont
3	S3AGEY_E	S3AGEY_E:W3 S Age (years) at Ivw EndMon	Cont
4	S4AGEY_E	S4AGEY_E:W4 S Age (years) at Ivw EndMon	Cont
5	S5AGEY_E	S5AGEY_E:W5 S Age (years) at Ivw EndMon	Cont
6	S6AGEY_E	S6AGEY_E:W6 S Age (years) at Ivw EndMon	Cont
7	S7AGEY_E	S7AGEY_E:W7 S Age (years) at Ivw EndMon	Cont
8	S8AGEY_E	S8AGEY_E:W8 S Age (years) at Ivw EndMon	Cont
9	S9AGEY_E	S9AGEY_E:W9 S Age (years) at Ivw EndMon	Cont
10	S10AGEY_E	S10AGEY_E:W10 S Age (years) at Ivw EndMon	Cont
11	S11AGEY_E	S11AGEY_E:W11 S Age (years) at Ivw EndMon	Cont
12	S12AGEY_E	S12AGEY_E:W12 S Age (years) at Ivw EndMon	Cont
1	R1AGEM_M	R1AGEM_M:W1 R Age (months) at Ivw MidMon	Cont
2	R2AGEM_M	R2AGEM_M:W2 R Age (months) at Ivw MidMon	Cont
3	R3AGEM_M	R3AGEM_M:W3 R Age (months) at Ivw MidMon	Cont
4	R4AGEM_M	R4AGEM_M:W4 R Age (months) at Ivw MidMon	Cont
5	R5AGEM_M	R5AGEM_M:W5 R Age (months) at Ivw MidMon	Cont
6	R6AGEM_M	R6AGEM_M:W6 R Age (months) at Ivw MidMon	Cont
7	R7AGEM_M	R7AGEM_M:W7 R Age (months) at Ivw MidMon	Cont
8	R8AGEM_M	R8AGEM_M:W8 R Age (months) at Ivw MidMon	Cont
9	R9AGEM_M	R9AGEM_M:W9 R Age (months) at Ivw MidMon	Cont
10	R10AGEM_M	R10AGEM_M:W10 R Age (months) at Ivw MidMon	Cont
11	R11AGEM_M	R11AGEM_M:W11 R Age (months) at Ivw MidMon	Cont
12	R12AGEM_M	R12AGEM_M:W12 R Age (months) at Ivw MidMon	Cont
1	S1AGEM_M	S1AGEM_M:W1 S Age (months) at Ivw MidMon	Cont
2	S2AGEM_M	S2AGEM_M:W2 S Age (months) at Ivw MidMon	Cont
3	S3AGEM_M	S3AGEM_M:W3 S Age (months) at Ivw MidMon	Cont
4	S4AGEM_M	S4AGEM_M:W4 S Age (months) at Ivw MidMon	Cont
5	S5AGEM_M	S5AGEM_M:W5 S Age (months) at Ivw MidMon	Cont
6	S6AGEM_M	S6AGEM_M:W6 S Age (months) at Ivw MidMon	Cont
7	S7AGEM_M	S7AGEM_M:W7 S Age (months) at Ivw MidMon	Cont
8	S8AGEM_M	S8AGEM_M:W8 S Age (months) at Ivw MidMon	Cont
9	S9AGEM_M	S9AGEM_M:W9 S Age (months) at Ivw MidMon	Cont
10	S10AGEM_M	S10AGEM_M:W10 S Age (months) at Ivw MidMon	Cont
11	S11AGEM_M	S11AGEM_M:W11 S Age (months) at Ivw MidMon	Cont
12	S12AGEM_M	S12AGEM_M:W12 S Age (months) at Ivw MidMon	Cont
1	R1AGEY_M	R1AGEY_M:W1 R Age (years) at Ivw MidMon	Cont
2	R2AGEY_M	R2AGEY_M:W2 R Age (years) at Ivw MidMon	Cont
3	R3AGEY_M	R3AGEY_M:W3 R Age (years) at Ivw MidMon	Cont
4	R4AGEY_M	R4AGEY_M:W4 R Age (years) at Ivw MidMon	Cont
5	R5AGEY_M	R5AGEY_M:W5 R Age (years) at Ivw MidMon	Cont
6	R6AGEY_M	R6AGEY_M:W6 R Age (years) at Ivw MidMon	Cont
7	R7AGEY_M	R7AGEY_M:W7 R Age (years) at Ivw MidMon	Cont
8	R8AGEY_M	R8AGEY_M:W8 R Age (years) at Ivw MidMon	Cont

9	R9AGEY_M	R9AGEY_M:W9 R Age (years) at Ivw MidMon	Cont
10	R10AGEY_M	R10AGEY_M:W10 R Age (years) at Ivw MidMon	Cont
11	R11AGEY_M	R11AGEY_M:W11 R Age (years) at Ivw MidMon	Cont
12	R12AGEY_M	R12AGEY_M:W12 R Age (years) at Ivw MidMon	Cont
1	S1AGEY_M	S1AGEY_M:W1 S Age (years) at Ivw MidMon	Cont
2	S2AGEY_M	S2AGEY_M:W2 S Age (years) at Ivw MidMon	Cont
3	S3AGEY_M	S3AGEY_M:W3 S Age (years) at Ivw MidMon	Cont
4	S4AGEY_M	S4AGEY_M:W4 S Age (years) at Ivw MidMon	Cont
5	S5AGEY_M	S5AGEY_M:W5 S Age (years) at Ivw MidMon	Cont
6	S6AGEY_M	S6AGEY_M:W6 S Age (years) at Ivw MidMon	Cont
7	S7AGEY_M	S7AGEY_M:W7 S Age (years) at Ivw MidMon	Cont
8	S8AGEY_M	S8AGEY_M:W8 S Age (years) at Ivw MidMon	Cont
9	S9AGEY_M	S9AGEY_M:W9 S Age (years) at Ivw MidMon	Cont
10	S10AGEY_M	S10AGEY_M:W10 S Age (years) at Ivw MidMon	Cont
11	S11AGEY_M	S11AGEY_M:W11 S Age (years) at Ivw MidMon	Cont
12	S12AGEY_M	S12AGEY_M:W12 S Age (years) at Ivw MidMon	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1AGEM_B	12651	668.60	67.95	278.0	1025.0
R2AGEM_B	19641	787.13	137.17	285.0	1243.0
R3AGEM_B	17991	801.75	133.54	264.0	1265.0
R4AGEM_B	21384	796.79	133.24	305.0	1264.0
R5AGEM_B	19579	811.09	130.02	284.0	1292.0
R6AGEM_B	18165	825.93	125.89	308.0	1316.0
R7AGEM_B	20129	804.31	137.86	296.0	1289.0
R8AGEM_B	18469	821.41	133.15	305.0	1255.0
R9AGEM_B	17217	835.91	129.05	301.0	1280.0
R10AGEM_B	22034	793.35	143.55	227.0	1308.0
R11AGEM_B	20554	807.73	139.05	244.0	1244.0
R12AGEM_B	18748	820.41	135.13	226.0	1253.0
S1AGEM_B	10279	667.43	73.57	278.0	1025.0
S2AGEM_B	13583	757.43	123.76	285.0	1243.0
S3AGEM_B	12254	772.10	119.16	263.0	1177.0
S4AGEM_B	14507	768.15	121.28	304.0	1185.0
S5AGEM_B	13040	781.89	117.34	282.0	1203.0
S6AGEM_B	11858	797.47	112.76	269.0	1227.0
S7AGEM_B	13352	776.87	125.65	331.0	1250.0
S8AGEM_B	12034	794.20	121.49	274.0	1191.0
S9AGEM_B	11011	809.10	119.20	270.0	1185.0
S10AGEM_B	14234	769.85	133.85	226.0	1178.0
S11AGEM_B	13080	784.25	129.32	244.0	1196.0
S12AGEM_B	11622	795.60	125.28	226.0	1196.0
R1AGEY_B	12651	55.25	5.67	23.0	85.0
R2AGEY_B	19641	65.13	11.43	23.0	103.0
R3AGEY_B	17991	66.35	11.13	22.0	105.0
R4AGEY_B	21384	65.94	11.11	25.0	105.0
R5AGEY_B	19579	67.13	10.84	23.0	107.0
R6AGEY_B	18165	68.37	10.50	25.0	109.0
R7AGEY_B	20129	66.57	11.49	24.0	107.0
R8AGEY_B	18469	67.99	11.10	25.0	104.0
R9AGEY_B	17217	69.20	10.76	25.0	106.0
R10AGEY_B	22034	65.66	11.97	18.0	109.0
R11AGEY_B	20554	66.85	11.59	20.0	103.0
R12AGEY_B	18748	67.90	11.27	18.0	104.0

S1AGEY_B	10279	55.16	6.14	23.0	85.0
S2AGEY_B	13583	62.66	10.32	23.0	103.0
S3AGEY_B	12254	63.88	9.93	21.0	98.0
S4AGEY_B	14507	63.55	10.11	25.0	98.0
S5AGEY_B	13040	64.69	9.78	23.0	100.0
S6AGEY_B	11858	66.00	9.40	22.0	102.0
S7AGEY_B	13352	64.28	10.47	27.0	104.0
S8AGEY_B	12034	65.72	10.13	22.0	99.0
S9AGEY_B	11011	66.96	9.94	22.0	98.0
S10AGEY_B	14234	63.69	11.16	18.0	98.0
S11AGEY_B	13080	64.89	10.78	20.0	99.0
S12AGEY_B	11622	65.84	10.45	18.0	99.0
R1AGEM_E	12651	668.62	67.95	278.0	1025.0
R2AGEM_E	19641	787.16	137.15	285.0	1243.0
R3AGEM_E	17991	801.79	133.52	264.0	1265.0
R4AGEM_E	21384	796.85	133.25	305.0	1264.0
R5AGEM_E	19579	811.13	130.03	284.0	1292.0
R6AGEM_E	18165	825.97	125.88	308.0	1316.0
R7AGEM_E	20129	804.31	137.86	296.0	1289.0
R8AGEM_E	18469	821.44	133.14	305.0	1255.0
R9AGEM_E	17217	835.95	129.05	301.0	1280.0
R10AGEM_E	22034	793.42	143.55	227.0	1308.0
R11AGEM_E	20554	807.82	139.04	244.0	1244.0
R12AGEM_E	18748	820.47	135.13	226.0	1253.0
S1AGEM_E	10279	667.45	73.57	278.0	1025.0
S2AGEM_E	13583	757.45	123.75	285.0	1243.0
S3AGEM_E	12254	772.14	119.14	263.0	1177.0
S4AGEM_E	14507	768.20	121.28	304.0	1185.0
S5AGEM_E	13040	781.93	117.34	282.0	1203.0
S6AGEM_E	11858	797.50	112.75	269.0	1227.0
S7AGEM_E	13352	776.87	125.65	331.0	1250.0
S8AGEM_E	12034	794.22	121.48	274.0	1191.0
S9AGEM_E	11011	809.13	119.19	270.0	1185.0
S10AGEM_E	14234	769.90	133.84	226.0	1178.0
S11AGEM_E	13080	784.33	129.30	244.0	1196.0
S12AGEM_E	11622	795.65	125.27	226.0	1196.0
R1AGEY_E	12651	55.26	5.67	23.0	85.0
R2AGEY_E	19641	65.14	11.43	23.0	103.0
R3AGEY_E	17991	66.36	11.13	22.0	105.0
R4AGEY_E	21384	65.94	11.11	25.0	105.0
R5AGEY_E	19579	67.13	10.84	23.0	107.0
R6AGEY_E	18165	68.37	10.50	25.0	109.0
R7AGEY_E	20129	66.57	11.49	24.0	107.0
R8AGEY_E	18469	67.99	11.10	25.0	104.0
R9AGEY_E	17217	69.21	10.76	25.0	106.0
R10AGEY_E	22034	65.66	11.97	18.0	109.0
R11AGEY_E	20554	66.85	11.59	20.0	103.0
R12AGEY_E	18748	67.91	11.27	18.0	104.0
S1AGEY_E	10279	55.16	6.14	23.0	85.0
S2AGEY_E	13583	62.66	10.32	23.0	103.0
S3AGEY_E	12254	63.89	9.93	21.0	98.0
S4AGEY_E	14507	63.55	10.11	25.0	98.0
S5AGEY_E	13040	64.70	9.78	23.0	100.0
S6AGEY_E	11858	66.00	9.40	22.0	102.0

S7AGEY_E	13352	64.28	10.47	27.0	104.0
S8AGEY_E	12034	65.72	10.12	22.0	99.0
S9AGEY_E	11011	66.97	9.94	22.0	98.0
S10AGEY_E	14234	63.70	11.16	18.0	98.0
S11AGEY_E	13080	64.90	10.78	20.0	99.0
S12AGEY_E	11622	65.84	10.45	18.0	99.0
R1AGEM_M	12651	668.61	67.95	278.0	1025.0
R2AGEM_M	19641	787.15	137.16	285.0	1243.0
R3AGEM_M	17991	801.76	133.54	264.0	1265.0
R4AGEM_M	21384	796.81	133.25	305.0	1264.0
R5AGEM_M	19579	811.10	130.02	284.0	1292.0
R6AGEM_M	18165	825.94	125.88	308.0	1316.0
R7AGEM_M	20129	804.31	137.86	296.0	1289.0
R8AGEM_M	18469	821.42	133.14	305.0	1255.0
R9AGEM_M	17217	835.92	129.05	301.0	1280.0
R10AGEM_M	22034	793.37	143.55	227.0	1308.0
R11AGEM_M	20554	807.75	139.04	244.0	1244.0
R12AGEM_M	18748	820.43	135.13	226.0	1253.0
S1AGEM_M	10279	667.44	73.57	278.0	1025.0
S2AGEM_M	13583	757.44	123.75	285.0	1243.0
S3AGEM_M	12254	772.11	119.15	263.0	1177.0
S4AGEM_M	14507	768.16	121.28	304.0	1185.0
S5AGEM_M	13040	781.90	117.34	282.0	1203.0
S6AGEM_M	11858	797.48	112.75	269.0	1227.0
S7AGEM_M	13352	776.87	125.65	331.0	1250.0
S8AGEM_M	12034	794.20	121.49	274.0	1191.0
S9AGEM_M	11011	809.11	119.20	270.0	1185.0
S10AGEM_M	14234	769.86	133.85	226.0	1178.0
S11AGEM_M	13080	784.28	129.31	244.0	1196.0
S12AGEM_M	11622	795.62	125.28	226.0	1196.0
R1AGEY_M	12651	55.26	5.67	23.0	85.0
R2AGEY_M	19641	65.13	11.43	23.0	103.0
R3AGEY_M	17991	66.36	11.13	22.0	105.0
R4AGEY_M	21384	65.94	11.11	25.0	105.0
R5AGEY_M	19579	67.13	10.84	23.0	107.0
R6AGEY_M	18165	68.37	10.50	25.0	109.0
R7AGEY_M	20129	66.57	11.49	24.0	107.0
R8AGEY_M	18469	67.99	11.10	25.0	104.0
R9AGEY_M	17217	69.20	10.76	25.0	106.0
R10AGEY_M	22034	65.66	11.97	18.0	109.0
R11AGEY_M	20554	66.85	11.59	20.0	103.0
R12AGEY_M	18748	67.91	11.27	18.0	104.0
S1AGEY_M	10279	55.16	6.14	23.0	85.0
S2AGEY_M	13583	62.66	10.32	23.0	103.0
S3AGEY_M	12254	63.89	9.93	21.0	98.0
S4AGEY_M	14507	63.55	10.11	25.0	98.0
S5AGEY_M	13040	64.69	9.78	23.0	100.0
S6AGEY_M	11858	66.00	9.40	22.0	102.0
S7AGEY_M	13352	64.28	10.47	27.0	104.0
S8AGEY_M	12034	65.72	10.13	22.0	99.0
S9AGEY_M	11011	66.96	9.94	22.0	98.0
S10AGEY_M	14234	63.69	11.16	18.0	98.0
S11AGEY_M	13080	64.90	10.78	20.0	99.0
S12AGEY_M	11622	65.84	10.45	18.0	99.0

How Constructed

Age at the beginning of the interview (RwAGEM_B) is calculated from the Respondent birthdate and beginning interview date (RwIWBEG), in months and years. Age in years (RwAGEY_B) is the integer portion of the number of months old divided by 12.

Age in months and years at the end of the interview (RwAGEM_E and RwAGEY_E) is calculated in the same way, but uses the ending interview date (RwIWEND). Age in months and years at the midpoint between the beginning and ending interview dates (RwAGEM_M and RwAGEY_M) is calculated in the same way, but uses the midpoint between interview dates (RwIWMID).

According to HRS, when there are different beginning and ending interview dates, most of the interview is usually conducted on the ending date. Thus, it is probably best to use the RwAGEM_E and RwAGEY_E variables for Respondent age at each interview.

From Wave 6 forward, and in AHEAD Waves 2A and 3A, the beginning and ending interview dates are always the same. In those waves, RwAGEY_B, RwAGEY_M, and RwAGEY_E are all the same, as are RwAGEM_B, RwAGEY_M and RwAGEY_E.

See Birth Month (RABMONTH, RABYEAR, RABDATE) for a description of how the birth date is derived. See Interview Dates (RwIWBEG, RwIWEND, RwIWMID) for a description of how the beginning, ending, and midpoint interview dates are derived.

Spouse age is calculated using the spouse birth month and the Respondent's interview month at each wave.

Spouse birth date is taken from the Wave "w" spouse's birth date, i.e., from SwBDATE.

Gender

Wave	Variable Name	Variable Label	Type
1	RAGENDER	RAGENDER: R Gender	Categ
1	S1GENDER	S1GENDER: S Gender	Categ
2	S2GENDER	S2GENDER: S Gender	Categ
3	S3GENDER	S3GENDER: S Gender	Categ
4	S4GENDER	S4GENDER: S Gender	Categ
5	S5GENDER	S5GENDER: S Gender	Categ
6	S6GENDER	S6GENDER: S Gender	Categ
7	S7GENDER	S7GENDER: S Gender	Categ
8	S8GENDER	S8GENDER: S Gender	Categ
9	S9GENDER	S9GENDER: S Gender	Categ
10	S10GENDER	S10GENDER: S Gender	Categ
11	S11GENDER	S11GENDER: S Gender	Categ
12	S12GENDER	S12GENDER: S Gender	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAGENDER	37488	1.56	0.50	1.0	2.0
S1GENDER	10279	1.50	0.50	1.0	2.0
S2GENDER	13628	1.50	0.50	1.0	2.0
S3GENDER	12299	1.50	0.50	1.0	2.0
S4GENDER	14515	1.50	0.50	1.0	2.0
S5GENDER	13041	1.50	0.50	1.0	2.0
S6GENDER	11822	1.50	0.50	1.0	2.0
S7GENDER	13307	1.50	0.50	1.0	2.0
S8GENDER	12001	1.50	0.50	1.0	2.0
S9GENDER	10953	1.50	0.50	1.0	2.0
S10GENDER	14147	1.50	0.50	1.0	2.0
S11GENDER	12958	1.50	0.50	1.0	2.0
S12GENDER	11484	1.50	0.50	1.0	2.0

Categorical Variable Codes

Value	RAGENDER
.M=Oth missing	7
1.Male	16424
2.Female	21064

Value	S1GENDER	S2GENDER	S3GENDER	S4GENDER	S5GENDER	S6GENDER	S7GENDER
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		44	34			37	45
1.Male	5165	6846	6171	7268	6519	5900	6665
2.Female	5114	6782	6128	7247	6522	5922	6642

Value	S8GENDER	S9GENDER	S10GENDER	S11GENDER	S12GENDER
.M=Oth missing					6
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	51	58	88	122	135
1.Male	5989	5476	7090	6492	5753
2.Female	6012	5477	7057	6466	5731

How Constructed

Gender is taken from the Tracker file.

Spouse gender is taken from the Wave "w" spouse's RAGENDER variable.

Cross Wave Differences in Original HRS Data

Gender is reported in the Tracker file and in all waves. We only use the Tracker file in our derivation as it has the most up-to-date information.

Spouse gender is available in all waves, if the Respondent is married or partnered.

HRS Variables Used

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Tracker:
    GENDER          GENDER
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Race, Ethnicity: Race

Wave	Variable Name	Variable Label	Type
1	RARACEM	RARACEM: R Race - masked	Categ
1	S1RACEM	S1RACEM: S Race - masked	Categ
2	S2RACEM	S2RACEM: S Race - masked	Categ
3	S3RACEM	S3RACEM: S Race - masked	Categ
4	S4RACEM	S4RACEM: S Race - masked	Categ
5	S5RACEM	S5RACEM: S Race - masked	Categ
6	S6RACEM	S6RACEM: S Race - masked	Categ
7	S7RACEM	S7RACEM: S Race - masked	Categ
8	S8RACEM	S8RACEM: S Race - masked	Categ
9	S9RACEM	S9RACEM: S Race - masked	Categ
10	S10RACEM	S10RACEM: S Race - masked	Categ
11	S11RACEM	S11RACEM: S Race - masked	Categ
12	S12RACEM	S12RACEM: S Race - masked	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RARACEM	37411	1.31	0.59	1.0	3.0
S1RACEM	10148	1.21	0.49	1.0	3.0
S2RACEM	13503	1.18	0.46	1.0	3.0
S3RACEM	12197	1.17	0.45	1.0	3.0
S4RACEM	14356	1.18	0.46	1.0	3.0
S5RACEM	12953	1.18	0.47	1.0	3.0
S6RACEM	11782	1.18	0.47	1.0	3.0
S7RACEM	13218	1.21	0.52	1.0	3.0
S8RACEM	11943	1.21	0.52	1.0	3.0
S9RACEM	10894	1.21	0.52	1.0	3.0
S10RACEM	13871	1.33	0.64	1.0	3.0
S11RACEM	12789	1.34	0.64	1.0	3.0
S12RACEM	11345	1.35	0.65	1.0	3.0

Categorical Variable Codes

Value	RARACEM
.M=Oth missing	84
1.White/Caucasian	28185
2.Black/African American	6731
3.Other	2495

Value	S1RACEM	S2RACEM	S3RACEM	S4RACEM	S5RACEM	S6RACEM	S7RACEM
.M=Oth missing		13	6	6	4	4	3
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	131	156	130	153	84	73	131
1.White/Caucasian	8439	11531	10486	12319	11139	10107	11105
2.Black/African American	1313	1554	1332	1539	1340	1238	1409
3.Other	396	418	379	498	474	437	704

Value	S8RACEM	S9RACEM	S10RACEM	S11RACEM	S12RACEM
.M=Oth missing	2	1	42	45	44
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	107	116	322	246	236
1.White/Caucasian	10092	9189	10584	9688	8532
2.Black/African American	1227	1114	2013	1874	1672
3.Other	624	591	1274	1227	1141

How Constructed

Race is assigned by looking at reports from Tracker and all waves of data. The non-missing race variable from Tracker is used. If race is missing, then the first non-missing race from all waves is used.

SwRACEM provides the race of the Respondent's spouse or partner. It is taken from the Wave "w" spouse's RARACEM variables.

Cross Wave Differences in Original HRS Data

Before Wave 8 race is asked at the Respondent's first interview. In Wave 8, the question format was changed to meet OMB guidelines. In particular, Respondents were allowed to report multiple races, and some categories that had previously been combined were separated. Also, if more than one race was reported, Respondents were asked which one they consider to be their primary race. The new format is asked only once of all Respondents, either in Wave 8 or the first wave after that in which a Respondent completed an interview.

HRS Variables Used

```
HRS 1992:
    V10221          A8:RACE/ETHNICITY   :IND
    V216            A7:HISPANIC OR LATINO
    V221            A8:RACE/ETHNICITY   :IMP
AHEAD 1993:
    B140            A7. R HISPANIC/LATINO
    B143            A8. R'S RACE
HRS 1994:
    W228            A15. Hispanic or Latino
```

```
    W233            A16. Race/Ethnicity
AHEAD 1995:
    D664            A7. HISPANIC
    D667M           A8. R RACE - MASKED
HRS 1996:
    E664            A7.HISPANIC
    E667M           A8.R RACE - MASKED
HRS 1998:
    F1002           A7.HISPANIC
    F1005M          A8.R RACE - MASKED
HRS 2000:
    G1089           A7.HISPANIC
    G1092A          A8.R RACE - COMBINED MASKED
    G1092M          A8.R RACE - MASKED
HRS 2002:
    HB028           R HISPANIC/LATINO
    HB031M          R RACE - MASKED
HRS 2004:
    JB028           R HISPANIC/LATINO
    JB031M          R RACE - MASKED
HRS 2006:
    KB028           R HISPANIC/LATINO
    KB089M1M        R RACE - MULTIPLE RESPONSE -1 MASKED
    KB091M          R RACE - PRIMARY - MASKED
HRS 2008:
    LB028           R HISPANIC/LATINO
    LB089M1M        R RACE - MULTIPLE RESPONSE -1 MASKED
    LB091M          R RACE - PRIMARY - MASKED
HRS 2010:
    MB028           R HISPANIC/LATINO
    MB089M1M        R RACE - MULTIPLE RESPONSE -1 MASKED
    MB091M          R RACE - PRIMARY - MASKED
HRS 2012:
    NB028           R HISPANIC/LATINO
    NB089M1M        R RACE - MULTIPLE RESPONSE -1 MASKED
    NB091M          R RACE - PRIMARY - MASKED
HRS 2014:
    OB028           R HISPANIC/LATINO
    OB089M1M        R RACE - MULTIPLE RESPONSE -1 MASKED
    OB091M          R RACE - PRIMARY - MASKED
Tracker:
    HISPANIC        HISPANICITY TYPE
    RACE            RACE/ETHNICITY
```

Race, Ethnicity: Whether Hispanic

Wave	Variable Name	Variable Label	Type
1	RAHISPAN	RAHISPAN: R Hispanic	Categ
1	S1HISPAN	S1HISPAN: S Hispanic	Categ
2	S2HISPAN	S2HISPAN: S Hispanic	Categ
3	S3HISPAN	S3HISPAN: S Hispanic	Categ
4	S4HISPAN	S4HISPAN: S Hispanic	Categ
5	S5HISPAN	S5HISPAN: S Hispanic	Categ
6	S6HISPAN	S6HISPAN: S Hispanic	Categ
7	S7HISPAN	S7HISPAN: S Hispanic	Categ
8	S8HISPAN	S8HISPAN: S Hispanic	Categ
9	S9HISPAN	S9HISPAN: S Hispanic	Categ
10	S10HISPAN	S10HISPAN: S Hispanic	Categ
11	S11HISPAN	S11HISPAN: S Hispanic	Categ
12	S12HISPAN	S12HISPAN: S Hispanic	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAHISPAN	37431	0.11	0.32	0.0	1.0
S1HISPAN	10139	0.09	0.29	0.0	1.0
S2HISPAN	13497	0.08	0.26	0.0	1.0
S3HISPAN	12193	0.08	0.27	0.0	1.0
S4HISPAN	14358	0.08	0.27	0.0	1.0
S5HISPAN	12956	0.08	0.27	0.0	1.0
S6HISPAN	11784	0.08	0.27	0.0	1.0
S7HISPAN	13222	0.10	0.30	0.0	1.0
S8HISPAN	11945	0.09	0.29	0.0	1.0
S9HISPAN	10894	0.10	0.30	0.0	1.0
S10HISPAN	13897	0.14	0.35	0.0	1.0
S11HISPAN	12810	0.15	0.36	0.0	1.0
S12HISPAN	11369	0.16	0.36	0.0	1.0

Categorical Variable Codes

Value	RAHISPAN
.M=Oth missing	64
0.Not Hispanic	33235
1.Hispanic	4196

Value	S1HISPAN	S2HISPAN	S3HISPAN	S4HISPAN	S5HISPAN	S6HISPAN	S7HISPAN
.M=Oth missing	9	19	11	7	4	3	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	131	156	129	150	81	72	130
0.Not Hispanic	9223	12477	11233	13238	11919	10830	11919
1.Hispanic	916	1020	960	1120	1037	954	1303

Value	S8HISPAN	S9HISPAN	S10HISPAN	S11HISPAN	S12HISPAN
.M=Oth missing		1	15	24	19
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	107	116	323	246	237
0.Not Hispanic	10813	9818	11891	10890	9584
1.Hispanic	1132	1076	2006	1920	1785

How Constructed

RAHISPAN indicates whether the Respondent is Hispanic. It is assigned by looking at reports from the Tracker file and all waves of data. The non-missing Hispanic variable from Tracker file is used. If RAHISPAN is missing, then the first non-missing Hispanic from all waves of data is used.

In the Tracker file variable, both Mexican-American and Other Hispanic are recoded to "1." The codes for the core data variables which indicate yes, for Hispanic, are recoded to "1," and no is recoded to "0."

SwHISPAN indicates whether the Respondent's spouse or partner is Hispanic. It is taken from the Wave "w" spouse's RAHISPAN variable.

Cross Wave Differences in Original HRS Data

Before Wave 8, individuals are asked whether they consider themselves Hispanic or Latino at their first interview. In Wave 8, everyone is asked this question. From Wave 9, the question is asked if it's the first interview.

HRS Variables Used

```
HRS 1992:
    V216            A7:HISPANIC OR LATINO
AHEAD 1993:
    B140            A7. R HISPANIC/LATINO
HRS 1994:
    W228            A15. Hispanic or Latino
AHEAD 1995:
    D664            A7. HISPANIC
HRS 1996:
    E664            A7.HISPANIC
```

```
HRS 1998:
    F1002           A7.HISPANIC
HRS 2000:
    G1089           A7.HISPANIC
HRS 2002:
    HB028           R HISPANIC/LATINO
HRS 2004:
    JB028           R HISPANIC/LATINO
HRS 2006:
    KB028           R HISPANIC/LATINO
HRS 2008:
    LB028           R HISPANIC/LATINO
HRS 2010:
    MB028           R HISPANIC/LATINO
HRS 2012:
    NB028           R HISPANIC/LATINO
HRS 2014:
    OB028           R HISPANIC/LATINO
Tracker:
    HISPANIC        HISPANICITY TYPE
```

Census Region

Wave	Variable Name	Variable Label	Type
1	R1CENREG	R1CENREG:W1 Census Region	Categ
2	R2CENREG	R2CENREG:W2 Census Region	Categ
3	R3CENREG	R3CENREG:W3 Census Region	Categ
4	R4CENREG	R4CENREG:W4 Census Region	Categ
5	R5CENREG	R5CENREG:W5 Census Region	Categ
6	R6CENREG	R6CENREG:W6 Census Region	Categ
7	R7CENREG	R7CENREG:W7 Census Region	Categ
8	R8CENREG	R8CENREG:W8 Census Region	Categ
9	R9CENREG	R9CENREG:W9 Census Region	Categ
10	R10CENREG	R10CENREG:W10 Census Region	Categ
11	R11CENREG	R11CENREG:W11 Census Region	Categ
12	R12CENREG	R12CENREG:W12 Census Region	Categ
1	S1CENREG	S1CENREG:W1 Census Region	Categ
2	S2CENREG	S2CENREG:W2 Census Region	Categ
3	S3CENREG	S3CENREG:W3 Census Region	Categ
4	S4CENREG	S4CENREG:W4 Census Region	Categ
5	S5CENREG	S5CENREG:W5 Census Region	Categ
6	S6CENREG	S6CENREG:W6 Census Region	Categ
7	S7CENREG	S7CENREG:W7 Census Region	Categ
8	S8CENREG	S8CENREG:W8 Census Region	Categ
9	S9CENREG	S9CENREG:W9 Census Region	Categ
10	S10CENREG	S10CENREG:W10 Census Region	Categ
11	S11CENREG	S11CENREG:W11 Census Region	Categ
12	S12CENREG	S12CENREG:W12 Census Region	Categ
1	R1CENDIV	R1CENDIV:W1 Census Division	Categ
2	R2CENDIV	R2CENDIV:W2 Census Division	Categ
3	R3CENDIV	R3CENDIV:W3 Census Division	Categ
4	R4CENDIV	R4CENDIV:W4 Census Division	Categ
5	R5CENDIV	R5CENDIV:W5 Census Division	Categ
6	R6CENDIV	R6CENDIV:W6 Census Division	Categ
7	R7CENDIV	R7CENDIV:W7 Census Division	Categ
8	R8CENDIV	R8CENDIV:W8 Census Division	Categ
9	R9CENDIV	R9CENDIV:W9 Census Division	Categ
10	R10CENDIV	R10CENDIV:W10 Census Division	Categ
11	R11CENDIV	R11CENDIV:W11 Census Division	Categ
12	R12CENDIV	R12CENDIV:W12 Census Division	Categ
1	S1CENDIV	S1CENDIV:W1 Census Division	Categ
2	S2CENDIV	S2CENDIV:W2 Census Division	Categ
3	S3CENDIV	S3CENDIV:W3 Census Division	Categ
4	S4CENDIV	S4CENDIV:W4 Census Division	Categ
5	S5CENDIV	S5CENDIV:W5 Census Division	Categ
6	S6CENDIV	S6CENDIV:W6 Census Division	Categ
7	S7CENDIV	S7CENDIV:W7 Census Division	Categ
8	S8CENDIV	S8CENDIV:W8 Census Division	Categ
9	S9CENDIV	S9CENDIV:W9 Census Division	Categ
10	S10CENDIV	S10CENDIV:W10 Census Division	Categ
11	S11CENDIV	S11CENDIV:W11 Census Division	Categ
12	S12CENDIV	S12CENDIV:W12 Census Division	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1CENREG	12652	2.57	0.96	1.0	4.0
R2CENREG	19640	2.56	0.96	1.0	4.0
R3CENREG	17989	2.57	0.96	1.0	5.0
R4CENREG	21376	2.58	0.96	1.0	5.0
R5CENREG	19568	2.59	0.96	1.0	5.0

R6CENREG	18149	2.60	0.96	1.0	5.0
R7CENREG	20114	2.62	0.97	1.0	5.0
R8CENREG	18458	2.63	0.97	1.0	5.0
R9CENREG	17206	2.63	0.96	1.0	5.0
R10CENREG	22021	2.68	0.97	1.0	5.0
R11CENREG	20542	2.69	0.97	1.0	5.0
R12CENREG	18210	2.70	0.97	1.0	5.0
S1CENREG	9900	2.57	0.95	1.0	4.0
S2CENREG	13087	2.58	0.96	1.0	4.0
S3CENREG	11915	2.59	0.95	1.0	5.0
S4CENREG	13978	2.61	0.95	1.0	5.0
S5CENREG	12722	2.61	0.96	1.0	5.0
S6CENREG	11629	2.62	0.96	1.0	5.0
S7CENREG	12962	2.64	0.97	1.0	5.0
S8CENREG	11725	2.65	0.96	1.0	5.0
S9CENREG	10637	2.65	0.96	1.0	5.0
S10CENREG	13504	2.71	0.97	1.0	5.0
S11CENREG	12477	2.72	0.97	1.0	5.0
S12CENREG	10801	2.73	0.97	1.0	5.0
R1CENDIV	12652	4.90	2.30	1.0	9.0
R2CENDIV	19640	4.88	2.32	1.0	9.0
R3CENDIV	17989	4.90	2.31	1.0	11.0
R4CENDIV	21376	4.93	2.32	1.0	11.0
R5CENDIV	19568	4.96	2.34	1.0	11.0
R6CENDIV	18149	4.98	2.34	1.0	11.0
R7CENDIV	20114	5.04	2.38	1.0	11.0
R8CENDIV	18458	5.06	2.36	1.0	11.0
R9CENDIV	17206	5.06	2.35	1.0	11.0
R10CENDIV	22021	5.20	2.40	1.0	11.0
R11CENDIV	20542	5.21	2.39	1.0	11.0
R12CENDIV	18210	5.24	2.40	1.0	11.0
S1CENDIV	9900	4.91	2.29	1.0	9.0
S2CENDIV	13087	4.93	2.32	1.0	9.0
S3CENDIV	11915	4.96	2.31	1.0	11.0
S4CENDIV	13978	4.99	2.33	1.0	11.0
S5CENDIV	12722	4.99	2.34	1.0	11.0
S6CENDIV	11629	5.02	2.34	1.0	11.0
S7CENDIV	12962	5.07	2.39	1.0	11.0
S8CENDIV	11725	5.10	2.37	1.0	11.0
S9CENDIV	10637	5.11	2.35	1.0	11.0
S10CENDIV	13504	5.27	2.41	1.0	11.0
S11CENDIV	12477	5.30	2.41	1.0	11.0
S12CENDIV	10801	5.33	2.42	1.0	11.0

Categorical Variable Codes

Value	R1CENREG	R2CENREG	R3CENREG	R4CENREG	R5CENREG	R6CENREG	R7CENREG
.M=Oth missing		2	2	8	11	16	15
1.Northeast	2240	3529	3134	3589	3300	2976	3255
2.Midwest	3042	4781	4438	5324	4826	4525	5008
3.South	5343	8191	7490	8848	8057	7445	7999
4.West	2027	3139	2918	3608	3369	3189	3822
5.Other			9	7	16	14	30

Value	R8CENREG	R9CENREG	R10CENREG	R11CENREG	R12CENREG
.M=Oth missing	11	11	13	12	538
1.Northeast	2880	2655	3385	3115	2736
2.Midwest	4633	4282	4925	4568	3983
3.South	7433	6997	9115	8538	7633
4.West	3480	3239	4560	4284	3810
5.Other	32	33	36	37	48

Value	S1CENREG	S2CENREG	S3CENREG	S4CENREG	S5CENREG	S6CENREG	S7CENREG
.M=Oth missing		1			8	10	10
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.Northeast	1684	2213	1942	2202	2051	1819	1994
2.Midwest	2461	3263	3006	3551	3202	2968	3317
3.South	4182	5430	4942	5742	5199	4721	5063
4.West	1573	2181	2019	2478	2260	2111	2568
5.Other			6	5	10	10	20

Value	S8CENREG	S9CENREG	S10CENREG	S11CENREG	S12CENREG
.M=Oth missing	10	9	9	11	230
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Northeast	1746	1529	1907	1751	1518
2.Midwest	3006	2744	3123	2822	2414
3.South	4648	4274	5484	5084	4395
4.West	2302	2068	2964	2793	2440
5.Other	23	22	26	27	34

Value	R1CENDIV	R2CENDIV	R3CENDIV	R4CENDIV	R5CENDIV	R6CENDIV	R7CENDIV
.M=Oth missing		2	2	8	11	16	15
1.New England	469	782	702	869	800	718	833
2.Mid Atlantic	1771	2747	2432	2720	2500	2258	2422
3.EN Central	1987	3238	2979	3561	3178	2978	3362
4.WN Central	1055	1543	1459	1763	1648	1547	1646
5.S Atlantic	3256	4976	4577	5429	4884	4442	4720
6.ES Central	817	1115	1017	1196	1120	1056	1175
7.WS Central	1270	2100	1896	2223	2053	1947	2104
8.Mountain	513	801	808	1018	961	915	1156
9.Pacific	1514	2338	2110	2590	2408	2274	2666
11.Not US/inc US terr			9	7	16	14	30

Value	R8CENDIV	R9CENDIV	R10CENDIV	R11CENDIV	R12CENDIV
.M=Oth missing	11	11	13	12	538
1.New England	741	665	790	711	605
2.Mid Atlantic	2139	1990	2595	2404	2131
3.EN Central	3071	2830	3362	3133	2755
4.WN Central	1562	1452	1563	1435	1228
5.S Atlantic	4321	4088	5174	4829	4291
6.ES Central	1134	1064	1373	1321	1177
7.WS Central	1978	1845	2568	2388	2165
8.Mountain	1090	1056	1381	1311	1165
9.Pacific	2390	2183	3179	2973	2645
11.Not US/inc US terr	32	33	36	37	48

Value	S1CENDIV	S2CENDIV	S3CENDIV	S4CENDIV	S5CENDIV	S6CENDIV	S7CENDIV
.M=Oth missing		1			8	10	10
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.New England	379	513	439	550	515	451	538
2.Mid Atlantic	1305	1700	1503	1652	1536	1368	1456
3.EN Central	1584	2183	2010	2330	2074	1921	2204
4.WN Central	877	1080	996	1221	1128	1047	1113
5.S Atlantic	2514	3260	2980	3517	3115	2790	2990
6.ES Central	652	768	696	793	759	707	759
7.WS Central	1016	1402	1266	1432	1325	1224	1314
8.Mountain	409	581	581	700	655	620	796
9.Pacific	1164	1600	1438	1778	1605	1491	1772
11.Not US/inc US terr			6	5	10	10	20

Value	S8CENDIV	S9CENDIV	S10CENDIV	S11CENDIV	S12CENDIV
.M=Oth missing	10	9	9	11	230
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.New England	465	401	473	421	357
2.Mid Atlantic	1281	1128	1434	1330	1161
3.EN Central	1976	1800	2112	1912	1655
4.WN Central	1030	944	1011	910	759
5.S Atlantic	2669	2483	3073	2829	2419
6.ES Central	725	658	816	786	679
7.WS Central	1254	1133	1595	1469	1297
8.Mountain	735	670	909	855	736
9.Pacific	1567	1398	2055	1938	1704
11.Not US/inc US terr	23	22	26	27	34

How Constructed

RwCENREG gives the Census Region and RwCENDIV the Census Division of Respondent residence at wave 'w.' The Census Division of residence is provided in the HRS 2004 Geographic Region Information file, and in the core data for

most waves. Census Division is recoded into the larger Census Regions. Information for 2006 is only available in the core data.

If the residence location in the Geographic Region file variables is missing, we examine variables from the core data for location, if available. We then look at the spouse's residence from the Geographic Region file, and if the couple is living together, use it to fill missing variables as well. Finally, we examine variables indicating whether the household moved between waves, and if not, carry prior residence forward, or future residence back.

In the core data, location of residence is collected in the first interview for the entry cohort sub-sample, i.e., in Wave 1 for the HRS cohort, Wave 2A for the AHEAD cohort, Wave 4 for the CODA and War Babies cohorts, and Wave 7 for the EBB cohort. At subsequent interviews, questions ask whether the household moved, and if so, if the move was within the same area as the previous interview residence. If the household moved out of the area, the new location was collected. The new location is provided in the core data, except in Waves 2H and 3A.

Note that most of the time the Respondent and spouse live in the same Census Region, but occasionally the two regions differ.

The spouse's Census Region and Division are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwCENREG and RwCENDIV.

Cross Wave Differences in Original HRS Data

Region of residence for all waves before 2006 is provided in the HRS 2004 Geographic Region Information file. In addition there is information on household location in the core data.

Location of residence is available in Wave 1 data for the HRS entry cohort, and in Wave 2A for the AHEAD entry cohort. In Wave 4, the War Babies and Coda cohorts are asked for the location of current residence, as this is their first wave in the study. In Wave 7, the EBB cohorts are asked for location of current residence.

In Wave 2H for HRS cohort there is no question about the current location of residence. The only question asked is whether the household moved to a different residence since the date of the Wave 1 interview.

In Wave 3H and from Wave 4 forward, questions ask if the household is still in the same location as in the previous wave interview, and if not, whether it moved to the same area of that old address. If the household did not stay within the same area, the new location is asked. Wave 3A follows a similar sequence of questions, except that the new location was not asked.

HRS Variables Used

```
HRS 1992:
    V53             R:STATE HRS (RECODED)
AHEAD 1993:
    REGION          CENSUS REGION/DIVISION
HRS 1994:
    W100            HHCS5. Is Residence Different?
    W200            A1. Marital Status
AHEAD 1995:
    D241            CS12.COUPLE LIVE TOGETHER
    D422            CS27. SAME RESIDENCE #1
    D423            CS28. SAME AREA - 1
HRS 1996:
```

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    E241            CS12.COUPLE LIVE TOGETHER
    E422            CS27. SAME RESIDENCE #1
    E423            CS28. SAME AREA - 1
    E430M           CS33. REGION CURRENT RESIDENCE
HRS 1998:
    F521            CS12.COUPLE LIVE TOGETHER
    F723            CS27. SAME RESIDENCE #1
    F724            CS28. SAME AREA - 1
    F731M           CS33.CURRENT RESIDENCE - REGION
HRS 2000:
    G562            CS12.COUPLE LIVE TOGETHER
    G796            CS27. SAME RESIDENCE #1
    G797            CS28. SAME AREA - 1
    G805M           CS33.CURRENT RESIDENCE - REGION
HRS 2002:
    HA030           COUPLE LIVE TOGETHER
    HA071           SAME RESID AS PREV WAVE #1
    HA072           SAME CITY/ST RESID # 1
    HA076M          CURRENT RESIDENCE STATE - MASKED
HRS 2004:
    JA030           COUPLE LIVE TOGETHER
    JA071           SAME RESID AS PREV WAVE #1
    JA072           SAME CITY/ST RESID # 1
    JA076M          CURRENT RESIDENCE STATE - MASKED
HRS 2006:
    KA030           COUPLE LIVE TOGETHER
    KA071           SAME RESID AS PREV WAVE #1
    KA072           SAME CITY/ST RESID # 1
    KA076M          CURRENT RESIDENCE STATE - MASKED
HRS 2008:
    LA030           COUPLE LIVE TOGETHER
    LA071           SAME RESID AS PREV WAVE #1
    LA072           SAME CITY/ST RESID # 1
    LA076M          CURRENT RESIDENCE STATE - MASKED
HRS 2010:
    MA030           COUPLE LIVE TOGETHER
    MA071           SAME RESID AS PREV WAVE #1
    MA072           SAME CITY/ST RESID # 1
    MA076M          CURRENT RESIDENCE STATE - MASKED
HRS 2012:
    NA030           COUPLE LIVE TOGETHER
    NA071           SAME RESID AS PREV WAVE #1
    NA072           SAME CITY/ST RESID # 1
    NA076M          CURRENT RESIDENCE STATE - MASKED
HRS 2014:
    OA030           COUPLE LIVE TOGETHER
    OA071           SAME RESID AS PREV WAVE #1
    OA072           SAME CITY/ST RESID # 1
    OA076M          CURRENT RESIDENCE STATE - MASKED
Region:
    REGION92        REGION OF RESIDENCE 1992
    REGION93        REGION OF RESIDENCE 1993
    REGION94        REGION OF RESIDENCE 1994
    REGION95        REGION OF RESIDENCE 1995
    REGION96        REGION OF RESIDENCE 1996
    REGION98        REGION OF RESIDENCE 1998
    REGION00        REGION OF RESIDENCE 2000
    REGION02        REGION OF RESIDENCE 2002
    REGION04        REGION OF RESIDENCE 2004
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REGION06        REGION OF RESIDENCE 2006
REGION08        REGION OF RESIDENCE 2008
REGION10        REGION OF RESIDENCE 2010
REGION12        REGION OF RESIDENCE 2012
```

Education: Years of Education

Wave	Variable Name	Variable Label	Type
1	RAEDYRS	RAEDYRS: R Years of Education	Categ
1	S1EDYRS	S1EDYRS: S Years of Education	Categ
2	S2EDYRS	S2EDYRS: S Years of Education	Categ
3	S3EDYRS	S3EDYRS: S Years of Education	Categ
4	S4EDYRS	S4EDYRS: S Years of Education	Categ
5	S5EDYRS	S5EDYRS: S Years of Education	Categ
6	S6EDYRS	S6EDYRS: S Years of Education	Categ
7	S7EDYRS	S7EDYRS: S Years of Education	Categ
8	S8EDYRS	S8EDYRS: S Years of Education	Categ
9	S9EDYRS	S9EDYRS: S Years of Education	Categ
10	S10EDYRS	S10EDYRS: S Years of Education	Categ
11	S11EDYRS	S11EDYRS: S Years of Education	Categ
12	S12EDYRS	S12EDYRS: S Years of Education	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDYRS	37364	12.05	3.46	0.0	17.0
S1EDYRS	10134	12.07	3.26	0.0	17.0
S2EDYRS	13454	11.84	3.40	0.0	17.0
S3EDYRS	12189	11.95	3.34	0.0	17.0
S4EDYRS	14350	12.21	3.29	0.0	17.0
S5EDYRS	12953	12.29	3.30	0.0	17.0
S6EDYRS	11783	12.39	3.25	0.0	17.0
S7EDYRS	13200	12.60	3.24	0.0	17.0
S8EDYRS	11921	12.68	3.20	0.0	17.0
S9EDYRS	10870	12.76	3.17	0.0	17.0
S10EDYRS	13846	12.81	3.23	0.0	17.0
S11EDYRS	12769	12.84	3.24	0.0	17.0
S12EDYRS	11327	12.91	3.23	0.0	17.0

Categorical Variable Codes

Value	RAEDYRS
.M=Oth missing	131
0.None	374
1	125
2	197
3	437
4	371
5	409
6	909
7	677
8	1987
9	1373
10	1962
11	1900
12	11736
13	2630
14	3726
15	1376
16	3749
17.17+ yrs	3426

Value	S1EDYRS	S2EDYRS	S3EDYRS	S4EDYRS	S5EDYRS	S6EDYRS	S7EDYRS
.M=Oth missing	1	11	5	3		3	21
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	144	207	139	162	88	73	131
0.None	80	136	118	114	108	93	95
1	22	48	37	43	32	32	32
2	46	58	49	56	47	33	44
3	105	159	131	140	123	107	119
4	84	142	112	118	108	82	76
5	104	161	137	136	124	105	99
6	204	277	248	262	222	190	234
7	153	259	207	202	188	166	162
8	513	847	719	737	630	527	485
9	384	561	481	504	453	395	391
10	578	790	685	755	647	570	577
11	531	688	616	692	618	540	551
12	3646	4691	4300	4944	4406	4053	4352
13	655	839	797	990	903	821	990
14	902	1111	1051	1330	1188	1098	1345
15	315	412	375	503	457	442	531
16	882	1118	1046	1411	1340	1248	1553
17.17+ yrs	930	1157	1080	1413	1359	1281	1564

Value	S8EDYRS	S9EDYRS	S10EDYRS	S11EDYRS	S12EDYRS
.M=Oth missing	25	25	64	64	56
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	106	116	325	247	242
0.None	83	69	92	86	80
1	28	26	34	34	26
2	31	27	60	54	52
3	101	86	114	110	96
4	64	63	80	80	56
5	86	71	88	80	71
6	202	175	303	294	258
7	148	119	138	121	98
8	407	342	332	276	233
9	344	299	359	313	263
10	506	451	507	454	375
11	502	433	575	526	464
12	3915	3586	4314	3927	3435
13	913	847	1087	1037	899
14	1216	1110	1571	1451	1319
15	471	437	611	566	521

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           16             |       1432       1340       1862       1745       1613
17.17+ yrs                |       1472       1389       1719       1615       1468
```

How Constructed

The years of education variable is assigned by looking at reports all waves of data and then from the Tracker. The first non-missing value from all waves of data is used. If RAEDYRS is missing, then the non-missing SCHLYRS variable from Tracker file is used.

The spouse variables SwEDYRS and SwEDYRF are taken from the Wave "w" spouse's RAEDYRS and RAEDYRF.

Cross Wave Differences in Original HRS Data

In Wave 1, years of education is imputed. It is not imputed in any other wave.

HRS Variables Used

```
HRS 1992:
    V10207          V207 EDUCATION IMP  :IND
    V207            A3:HIGHEST EDUCATION:IMP
AHEAD 1993:
    B125            A3. R'S EDUCATION
HRS 1994:
    W221            A13. Highest Education
AHEAD 1995:
    D649            A3. R EDUCATION
HRS 1996:
    E649            A3.R EDUCATION
HRS 1998:
    F987            A3.R EDUCATION
HRS 2000:
    G1074           A3.R EDUCATION
HRS 2002:
    HB014           R HIGHEST LEVEL OF EDUCATION
HRS 2004:
    JB014           R HIGHEST LEVEL OF EDUCATION
HRS 2006:
    KB014           R HIGHEST LEVEL OF EDUCATION
HRS 2008:
    LB014           R HIGHEST LEVEL OF EDUCATION
HRS 2010:
    MB014           R HIGHEST LEVEL OF EDUCATION
HRS 2012:
    NB014           R HIGHEST LEVEL OF EDUCATION
HRS 2014:
    OB014           R HIGHEST LEVEL OF EDUCATION
Tracker:
    SCHLYRS         NUMBER OF YEARS IN SCHOOL
```

Education: Degrees, Diplomas

Wave	Variable Name	Variable Label	Type
1	RAEDEGRM	RAEDEGRM: R Highest Degree - masked	Categ
1	S1EDEGRM	S1EDEGRM: S Highest Degree - masked	Categ
2	S2EDEGRM	S2EDEGRM: S Highest Degree - masked	Categ
3	S3EDEGRM	S3EDEGRM: S Highest Degree - masked	Categ
4	S4EDEGRM	S4EDEGRM: S Highest Degree - masked	Categ
5	S5EDEGRM	S5EDEGRM: S Highest Degree - masked	Categ
6	S6EDEGRM	S6EDEGRM: S Highest Degree - masked	Categ
7	S7EDEGRM	S7EDEGRM: S Highest Degree - masked	Categ
8	S8EDEGRM	S8EDEGRM: S Highest Degree - masked	Categ
9	S9EDEGRM	S9EDEGRM: S Highest Degree - masked	Categ
10	S10EDEGRM	S10EDEGRM: S Highest Degree - masked	Categ
11	S11EDEGRM	S11EDEGRM: S Highest Degree - masked	Categ
12	S12EDEGRM	S12EDEGRM: S Highest Degree - masked	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDEGRM	37495	2.32	1.91	0.0	8.0
S1EDEGRM	10143	2.28	1.88	0.0	8.0
S2EDEGRM	13465	2.17	1.88	0.0	8.0
S3EDEGRM	12196	2.22	1.88	0.0	8.0
S4EDEGRM	14358	2.39	1.91	0.0	8.0
S5EDEGRM	12955	2.44	1.93	0.0	8.0
S6EDEGRM	11787	2.50	1.93	0.0	8.0
S7EDEGRM	13222	2.64	1.93	0.0	8.0
S8EDEGRM	11946	2.68	1.94	0.0	8.0
S9EDEGRM	10896	2.73	1.94	0.0	8.0
S10EDEGRM	13916	2.77	1.91	0.0	8.0
S11EDEGRM	12836	2.80	1.91	0.0	8.0
S12EDEGRM	11390	2.84	1.91	0.0	8.0

Categorical Variable Codes

Value	RAEDEGRM
0.No degree	10033
1.GED	1773
2.HS	10699
3.HS/GED	6366
4.AA/ Lt BA	1743
5.BA	4255
6.MA/MBA	2030
7.Law/MD/PhD	575
8.Other	21

Value	S1EDEGRM	S2EDEGRM	S3EDEGRM	S4EDEGRM	S5EDEGRM	S6EDEGRM	S7EDEGRM
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	136	207	137	157	86	72	130
0.No degree	2573	3883	3322	3482	3047	2596	2608
1.GED	531	592	549	651	601	557	604
2.HS	3319	4320	3951	4551	4037	3722	4000
3.HS/GED	1613	2097	1961	2398	2166	1993	2365
4.AA/ Lt BA	363	404	376	535	483	452	611
5.BA	1025	1262	1193	1610	1536	1437	1792
6.MA/MBA	507	648	599	809	783	735	908
7.Law/MD/PhD	204	248	239	315	300	291	331
8.Other	8	11	6	7	2	4	3

Value	S8EDEGRM	S9EDEGRM	S10EDEGRM	S11EDEGRM	S12EDEGRM
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	106	115	319	244	235
0.No degree	2277	1961	2390	2147	1839
1.GED	553	511	723	667	573
2.HS	3585	3271	3910	3572	3125
3.HS/GED	2139	1976	2590	2403	2159
4.AA/ Lt BA	559	514	836	793	720
5.BA	1669	1564	2163	2028	1850
6.MA/MBA	858	813	1034	977	900
7.Law/MD/PhD	302	282	264	245	219
8.Other	4	4	6	4	5

How Constructed

The highest degree is assigned by looking at reports from Tracker and all waves of data. The first non-missing value is used. If the Respondent reports 12 or fewer years of school, he/she is asked about a HS degree only. If the Respondent reports 13 or more years of school, he/she is asked about college degrees only, and if he/she doesn't have any, the assumption is completion of HS, but the data do not distinguish a diploma from a GED.

The detail of the higher-level degrees varies across waves. RwEDEGRM is recoded to categories that are consistently available across waves. For degrees higher than BA, there are 2 categories: MA/MBA and MD/Law/PhD through Wave 7. In Wave 8, MD/Law/PhD is included in the "other" category, so cannot be identified separately. If a Respondent first responds in Wave 8, then MD/Law/PhD degrees will be coded as "other."

Overlapping categories occur for high school degrees where the information is sometimes incomplete, i.e., 1=GED, 2=HS and 3=HS or GED.

This variable combines the HS degree, any college degree, and highest degree. If it is missing from all waves, RAEDYRS is used to assign degree: 0-11=no degree; 12, 13=HS/GED; 14, 15=AA; 16, 17=BA.

The spouse variables SwEDEGRM and SwEDEGRF are taken from the Wave "w" spouse's RADEGRM and RADEGRF variables.

Cross Wave Differences in Original HRS Data

The categories for higher level degrees (beyond BA) vary across waves. In Waves 1 and 2H, MA and MBA are coded separately. For Wave 2A, higher level degrees are indicated by two categories: "Advanced degree/non-professional" and "Advanced degree/professional." From Wave 3 forward, the MA and MBA categories were collapsed. In Waves 1, 2, 3H, 4 and 5 Law/MD and PhD are 2 separate categories. In Waves 3A, 6, and 7, these are collapsed into one category, Law/MD/PhD. From Wave 8 and forward, Law/MD and PhD are not identifiable; they are included in the "other" category.

The wording for degrees less than BA changes across waves. In Waves 1 and 2H it is "Associates." In Wave 2A, and from Wave 3 forward, it is "less than Bachelors."

HRS Variables Used

```
HRS 1992:
    V10207          V207 EDUCATION IMP  :IND
    V207            A3:HIGHEST EDUCATION:IMP
    V208            A3A:HI SCHL DIPLOMA/GED
    V210            A3C:COLLEGE DEGREE (Y/N)
    V211            A3D:HIGHEST DEGREE
AHEAD 1993:
    B125            A3. R'S EDUCATION
    B126            A3a. R FINISH HIGH SCHOOL
    B128            A3b. R FINISH COLLEGE
HRS 1994:
    W221            A13. Highest Education
    W222            A13a. HS Diploma/GED
    W224            A13c. College Degree
    W225            A13d. Highest Degree
AHEAD 1995:
    D649            A3. R EDUCATION
    D650            A3A.R HIGH SCHOOL
    D651            A3B.R COLLEGE
    D652M           A3C.R HIGH DEGREE - MASKED
    DEGREE          A3c. R'S HIGHEST DEGREE
HRS 1996:
    E649            A3.R EDUCATION
    E650            A3A.R HIGH SCHOOL
    E651            A3B.R COLLEGE
    E652M           A3C.R HIGH DEGREE - MASKED
HRS 1998:
    F987            A3.R EDUCATION
    F988            A3A.R HIGH SCHOOL
    F989            A3B.R COLLEGE
    F990M           A3C.R HIGH DEGREE - MASKED
HRS 2000:
    G1074           A3.R EDUCATION
    G1075           A3A.R HIGH SCHOOL
    G1076           A3B.R COLLEGE
    G1077M          A3C.R HIGH DEGREE - MASKED
HRS 2002:
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    HB014           R HIGHEST LEVEL OF EDUCATION
    HB015           R EARN HIGH SCHOOL DIPLOMA/GED
    HB016           R COLLEGE DEGREE
    HB017M          R HIGHEST DEGREE - MASKED
HRS 2004:
    JB014           R HIGHEST LEVEL OF EDUCATION
    JB015           R EARN HIGH SCHOOL DIPLOMA/GED
    JB016           R COLLEGE DEGREE
    JB017M          R HIGHEST DEGREE - MASKED
HRS 2006:
    KB014           R HIGHEST LEVEL OF EDUCATION
    KB015           R EARN HIGH SCHOOL DIPLOMA/GED
    KB016           R COLLEGE DEGREE
    KB017M          R HIGHEST DEGREE - MASKED
HRS 2008:
    LB014           R HIGHEST LEVEL OF EDUCATION
    LB015           R EARN HIGH SCHOOL DIPLOMA/GED
    LB016           R COLLEGE DEGREE
    LB017M          R HIGHEST DEGREE - MASKED
HRS 2010:
    MB014           R HIGHEST LEVEL OF EDUCATION
    MB015           R EARN HIGH SCHOOL DIPLOMA/GED
    MB016           R COLLEGE DEGREE
    MB017M          R HIGHEST DEGREE - MASKED
HRS 2012:
    NB014           R HIGHEST LEVEL OF EDUCATION
    NB015           R EARN HIGH SCHOOL DIPLOMA/GED
    NB016           R COLLEGE DEGREE
    NB017M          R HIGHEST DEGREE - MASKED
HRS 2014:
    OB014           R HIGHEST LEVEL OF EDUCATION
    OB015           R EARN HIGH SCHOOL DIPLOMA/GED
    OB016           R COLLEGE DEGREE
    OB017M          R HIGHEST DEGREE - MASKED
Tracker:
    DEGREE          HIGHEST DEGREE OF EDUCATION
```

Education: Categorical summary

Wave	Variable Name	Variable Label	Type
1	RAEDUC	RAEDUC: R education (categ)	Categ
1	S1EDUC	S1EDUC: S education (categ)	Categ
2	S2EDUC	S2EDUC: S education (categ)	Categ
3	S3EDUC	S3EDUC: S education (categ)	Categ
4	S4EDUC	S4EDUC: S education (categ)	Categ
5	S5EDUC	S5EDUC: S education (categ)	Categ
6	S6EDUC	S6EDUC: S education (categ)	Categ
7	S7EDUC	S7EDUC: S education (categ)	Categ
8	S8EDUC	S8EDUC: S education (categ)	Categ
9	S9EDUC	S9EDUC: S education (categ)	Categ
10	S10EDUC	S10EDUC: S education (categ)	Categ
11	S11EDUC	S11EDUC: S education (categ)	Categ
12	S12EDUC	S12EDUC: S education (categ)	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDUC	37474	3.00	1.44	1.0	5.0
S1EDUC	10135	2.97	1.39	1.0	5.0
S2EDUC	13454	2.88	1.42	1.0	5.0
S3EDUC	12190	2.93	1.41	1.0	5.0
S4EDUC	14351	3.05	1.41	1.0	5.0
S5EDUC	12953	3.09	1.41	1.0	5.0
S6EDUC	11783	3.14	1.40	1.0	5.0
S7EDUC	13219	3.24	1.38	1.0	5.0
S8EDUC	11942	3.27	1.38	1.0	5.0
S9EDUC	10892	3.31	1.37	1.0	5.0
S10EDUC	13910	3.35	1.36	1.0	5.0
S11EDUC	12832	3.37	1.36	1.0	5.0
S12EDUC	11385	3.40	1.35	1.0	5.0

Categorical Variable Codes

Value	RAEDUC
.M=Oth missing	21
1.Lt High-school	10033
2.GED	1773
3.High-school graduate	10745
4.Some college	8063
5.College and above	6860

Value	S1EDUC	S2EDUC	S3EDUC	S4EDUC	S5EDUC	S6EDUC	S7EDUC
.M=Oth missing		11	5	3		3	3
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	144	207	138	161	88	73	130
1.Lt High-school	2573	3883	3322	3482	3047	2596	2608
2.GED	531	592	549	651	601	557	604
3.High-school graduate	3347	4349	3976	4575	4059	3740	4018
4.Some college	1948	2472	2312	2909	2627	2427	2958
5.College and above	1736	2158	2031	2734	2619	2463	3031

Value	S8EDUC	S9EDUC	S10EDUC	S11EDUC	S12EDUC
.M=Oth missing	3	3	3	2	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	107	116	322	246	237
1.Lt High-school	2277	1961	2390	2147	1839
2.GED	553	511	723	667	573
3.High-school graduate	3600	3287	3927	3585	3138
4.Some college	2683	2474	3409	3183	2866
5.College and above	2829	2659	3461	3250	2969

How Constructed

Categorical education recodes the years of education, whether high school degree, and college degrees in a more general way than RAEDEGR. RAEDUC recodes dropouts, HS diplomas, and GEDs directly from RAEDEGR. If the Respondent has a high school diploma or GED and years of education over 12, RAEDUC is set to "some college." RAEDUC is also set to "some college" if the degree is less than a BA, or "other." If the Respondent has exactly 12 years of education but no college degree, then a high school diploma is assumed. If the college degree is a BA or greater, RAEDUC is set to "college and above."

The spouse variable SwEDUC is taken from the Wave "w" spouse's RAEDUC variable.

Cross Wave Differences in Original HRS Data

The categories for higher level degrees (beyond BA) vary across waves. In Waves 1 and 2H, MA and MBA are coded separately. For Wave 2A, higher level degrees are indicated by two categories: "Advanced degree/non-professional" and "Advanced degree/professional." From Wave 3 forward, the MA and MBA categories were collapsed. In Waves 1, 2, 3H, 4 and 5, Law/MD and PhD are 2 separate categories. For Wave 3A, 6 and 7, these are collapsed into one category, Law/MD/PhD. From Wave 8 and forward, Law/MD and PhD are not identifiable; they are included in the "other" category.

The wording for degrees less than BA changes across waves. In Waves 1 and 2H it is "Associates." For Wave 2A, and from Wave 3 forward, it is "less than Bachelors."

Parents' Education

Wave	Variable Name	Variable Label	Type
1	RAMEDUC	RAMEDUC: R Mothers Years Education	Categ
1	S1MEDUC	S1MEDUC: S Mothers Years Education	Categ
2	S2MEDUC	S2MEDUC: S Mothers Years Education	Categ
3	S3MEDUC	S3MEDUC: S Mothers Years Education	Categ
4	S4MEDUC	S4MEDUC: S Mothers Years Education	Categ
5	S5MEDUC	S5MEDUC: S Mothers Years Education	Categ
6	S6MEDUC	S6MEDUC: S Mothers Years Education	Categ
7	S7MEDUC	S7MEDUC: S Mothers Years Education	Categ
8	S8MEDUC	S8MEDUC: S Mothers Years Education	Categ
9	S9MEDUC	S9MEDUC: S Mothers Years Education	Categ
10	S10MEDUC	S10MEDUC: S Mothers Years Education	Categ
11	S11MEDUC	S11MEDUC: S Mothers Years Education	Categ
12	S12MEDUC	S12MEDUC: S Mothers Years Education	Categ
1	RAFEDUC	RAFEDUC: R Fathers Years Education	Categ
1	S1FEDUC	S1FEDUC: S Fathers Years Education	Categ
2	S2FEDUC	S2FEDUC: S Fathers Years Education	Categ
3	S3FEDUC	S3FEDUC: S Fathers Years Education	Categ
4	S4FEDUC	S4FEDUC: S Fathers Years Education	Categ
5	S5FEDUC	S5FEDUC: S Fathers Years Education	Categ
6	S6FEDUC	S6FEDUC: S Fathers Years Education	Categ
7	S7FEDUC	S7FEDUC: S Fathers Years Education	Categ
8	S8FEDUC	S8FEDUC: S Fathers Years Education	Categ
9	S9FEDUC	S9FEDUC: S Fathers Years Education	Categ
10	S10FEDUC	S10FEDUC: S Fathers Years Education	Categ
11	S11FEDUC	S11FEDUC: S Fathers Years Education	Categ
12	S12FEDUC	S12FEDUC: S Fathers Years Education	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAMEDUC	33158	9.34	3.55	0.0	17.0
S1MEDUC	9214	9.28	3.61	0.0	17.0
S2MEDUC	12150	8.91	3.06	0.0	17.0
S3MEDUC	11066	8.97	3.12	0.0	17.0
S4MEDUC	12893	9.26	3.33	0.0	17.0
S5MEDUC	11678	9.34	3.40	0.0	17.0
S6MEDUC	10630	9.43	3.44	0.0	17.0
S7MEDUC	11986	9.70	3.58	0.0	17.0
S8MEDUC	10843	9.78	3.59	0.0	17.0
S9MEDUC	9940	9.85	3.62	0.0	17.0
S10MEDUC	12731	9.97	3.90	0.0	17.0
S11MEDUC	11769	9.98	3.96	0.0	17.0
S12MEDUC	10475	10.02	3.99	0.0	17.0
RAFEDUC	31124	9.11	3.79	0.0	17.0
S1FEDUC	8949	8.98	3.96	0.0	17.0
S2FEDUC	11896	8.69	3.31	0.0	17.0
S3FEDUC	10823	8.75	3.37	0.0	17.0
S4FEDUC	12369	8.96	3.63	0.0	17.0
S5FEDUC	11199	9.02	3.71	0.0	17.0
S6FEDUC	10170	9.13	3.75	0.0	17.0

S7FEDUC	11380	9.40	3.91	0.0	17.0
S8FEDUC	10301	9.50	3.91	0.0	17.0
S9FEDUC	9425	9.56	3.93	0.0	17.0
S10FEDUC	11860	9.76	4.18	0.0	17.0
S11FEDUC	10960	9.78	4.23	0.0	17.0
S12FEDUC	9738	9.91	4.24	0.0	17.0

Categorical Variable Codes

Value	RAMEDUC
.D=DK	4111
.M=Oth missing	215
.R=RF	11
0.None	1219
1	127
2	231
3	616
4	615
5	677
6	1725
7	796
7.5.Lt 8 yrs	3375
8	3950
8.5.8+ yrs	3848
9	947
10	1584
11	969
12	8800
13	564
14	1137
15	228
16	1301
17.17+ yrs	449

Value	S1MEDUC	S2MEDUC	S3MEDUC	S4MEDUC	S5MEDUC	S6MEDUC	S7MEDUC
.D=DK	878	1182	1014	1342	1172	1058	1136
.M=Oth missing	9	97	111	116	100	94	98
.R=RF		1	1	4	3	3	2
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	178	242	141	160	88	74	130
0.None	327	297	281	363	341	316	391
1	35	29	28	36	35	34	38
2	63	58	56	70	67	65	82
3	207	190	176	224	215	190	231
4	267	239	214	263	251	226	244
5	274	251	230	272	252	226	246
6	726	640	596	722	683	624	687
7	341	308	283	346	316	292	293
7.5.Lt 8 yrs	35	1700	1356	1018	743	543	388
8	1951	1774	1654	2104	1962	1833	1901
8.5.8+ yrs	81	2201	1955	1580	1212	927	731
9	365	329	316	384	354	342	387
10	637	560	539	670	628	608	678
11	331	299	274	366	352	340	396
12	2602	2378	2232	3180	3019	2864	3753
13	156	141	132	224	215	202	243
14	344	319	314	450	433	418	509
15	55	53	54	70	65	62	88
16	318	294	286	430	414	396	531
17.17+ yrs	99	90	90	121	121	122	169

Value	S8MEDUC	S9MEDUC	S10MEDUC	S11MEDUC	S12MEDUC

.D=DK	1009	868	1094	986	841
.M=Oth missing	91	82	87	75	69
.R=RF	2	2	3	2	2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	107	119	320	248	238
0.None	349	325	578	566	521
1	33	28	67	67	58
2	76	69	121	114	110
3	214	200	259	253	221
4	222	203	249	228	197
5	213	195	243	215	194
6	618	571	740	693	611
7	263	240	278	259	224
7.5.Lt 8 yrs	272	196	112	75	42
8	1725	1586	1664	1496	1289
8.5.8+ yrs	533	381	250	166	107
9	363	335	423	378	324
10	626	581	706	662	603
11	375	350	477	445	399
12	3518	3302	4559	4263	3862
13	235	221	291	272	232
14	473	454	613	570	511
15	83	83	121	110	105
16	497	471	726	705	654
17.17+ yrs	155	149	254	232	211

Value	RAFEDUC
.D=DK	4778
.M=Oth missing	1581
.R=RF	12
0.None	1198
1	125
2	292
3	850
4	744
5	834
6	1861
7	766
7.5.Lt 8 yrs	3638
8	3947
8.5.8+ yrs	3572
9	866
10	1326
11	677
12	6437
13	450
14	864
15	233
16	1489
17.17+ yrs	955

Value	S1FEDUC	S2FEDUC	S3FEDUC	S4FEDUC	S5FEDUC	S6FEDUC	S7FEDUC
.D=DK	1132	1425	1244	1566	1378	1251	1352
.M=Oth missing	11	99	116	401	370	354	474
.R=RF				3	3	3	5
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	187	252	150	176	91	81	141
0.None	387	357	313	417	392	346	403
1	45	40	37	39	44	39	49
2	98	85	79	108	95	80	106
3	307	273	258	344	323	290	335
4	325	296	289	342	326	308	322
5	357	317	297	371	352	326	350
6	765	678	640	787	737	689	764
7	327	291	267	330	305	280	308
7.5.Lt 8 yrs	34	1866	1516	1155	833	626	458
8	1898	1735	1611	2046	1910	1795	1926
8.5.8+ yrs	74	2016	1771	1410	1105	828	643
9	350	316	302	373	348	335	373
10	553	494	470	582	559	526	602
11	246	226	210	267	254	231	273
12	2117	1922	1809	2428	2308	2194	2779
13	109	108	106	163	157	153	219
14	256	239	225	326	317	317	363
15	70	66	60	92	90	87	99
16	379	345	331	462	426	417	608
17.17+ yrs	252	226	232	327	318	303	400

Value	S8FEDUC	S9FEDUC	S10FEDUC	S11FEDUC	S12FEDUC
.D=DK	1197	1047	1369	1239	1069
.M=Oth missing	439	406	664	613	567
.R=RF	5	4	5	3	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	110	129	337	265	248
0.None	354	318	517	504	436
1	42	42	67	67	52
2	93	82	122	119	109
3	303	277	362	340	296
4	296	272	305	269	227
5	305	290	339	304	262
6	685	632	825	773	676
7	274	245	278	261	229
7.5.Lt 8 yrs	335	245	140	92	52
8	1794	1643	1812	1644	1412
8.5.8+ yrs	462	331	219	146	95
9	333	314	396	359	301
10	551	519	647	605	547
11	265	249	334	315	305
12	2645	2499	3335	3123	2836
13	206	192	248	239	209
14	347	316	441	401	387
15	97	95	131	121	114
16	547	519	808	771	712
17.17+ yrs	367	345	534	507	481

How Constructed

These variables are assigned by looking at all waves of data for the first non-missing values. In Wave 1 and from Wave 4 forward, a question asks for the [father's/mother's] years of education. Wave 2H does not ask the question at all. In Wave 3H and in Waves 2A and 3A of the AHEAD sample, the question asks if [he/she] attended school for 8 or more years.

Wave 1 or Waves 4 and after, are used first, if not missing. If only Wave 3H data are available or for the AHEAD sample–Waves 2A and 3A, 7.5 years is assigned if less than 8 years, and 8.5 is assigned if 8 or more.

The spouse variables SwFEDUC and SwMEDUC are taken from the spouse's Wave "w" RAFEDUC and RAMEDUC variables, respectively.

Cross Wave Differences in Original HRS Data

In Wave 1 the question is: "What is the highest grade of school your father completed?" Answers are given in years of school, 0-17.

In Wave 2H, the question is not asked at all.

In Wave 3H, and for the AHEAD sample, Waves 2A and 3A, the question is: "Did your father/mother attend 8 years or more of school?" and the possible answers are "yes" and "no."

From Wave 4 forward, the question is similar to the Wave 1 wording: "And what is the highest grade of school your father/mother completed?" with possible answers ranging from 0-17.

HRS Variables Used

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HRS 1992:
    V212            A4:MOTHER-HIGHEST GRADE
    V213            A5:FATHER-HIGHEST GRADE
AHEAD 1993:
    B130            A4. MOTHER IN SCHOOL 8/+ YEARS
    B131            A5. FATHER IN SCHOOL 8/+ YEARS
AHEAD 1995:
    D654            A4.MA EDUC
    D655            A5.PA EDUC
HRS 1996:
    E654            A4.MOTHER EDUC
    E655            A5.FATHER EDUC
HRS 1998:
    F1000           A5.PA EDUC
    F1001           A6.MA EDUC
HRS 2000:
    G1087           A5.PA EDUC
    G1088           A6.MA EDUC
HRS 2002:
    HB026           FATHER EDUCATION- HIGHEST GRADE
    HB027           MOTHER EDUCATION- HIGHEST GRADE
HRS 2004:
    JB026           FATHER EDUCATION- HIGHEST GRADE
    JB027           MOTHER EDUCATION- HIGHEST GRADE
HRS 2006:
    KB026           FATHER EDUCATION- HIGHEST GRADE
    KB027           MOTHER EDUCATION- HIGHEST GRADE
HRS 2008:
    LB026           FATHER EDUCATION- HIGHEST GRADE
    LB027           MOTHER EDUCATION- HIGHEST GRADE
HRS 2010:
    MB026           FATHER EDUCATION- HIGHEST GRADE
    MB027           MOTHER EDUCATION- HIGHEST GRADE
HRS 2012:
    NB026           FATHER EDUCATION- HIGHEST GRADE
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    NB027           MOTHER EDUCATION- HIGHEST GRADE
HRS 2014:
    OB026           FATHER EDUCATION- HIGHEST GRADE
    OB027           MOTHER EDUCATION- HIGHEST GRADE
```

Current Marital Status: With partnership

Wave	Variable Name	Variable Label	Type
1	R1MSTAT	R1MSTAT:W1 R Marital Status	Categ
2	R2MSTAT	R2MSTAT:W2 R Marital Status	Categ
3	R3MSTAT	R3MSTAT:W3 R Marital Status	Categ
4	R4MSTAT	R4MSTAT:W4 R Marital Status	Categ
5	R5MSTAT	R5MSTAT:W5 R Marital Status	Categ
6	R6MSTAT	R6MSTAT:W6 R Marital Status	Categ
7	R7MSTAT	R7MSTAT:W7 R Marital Status	Categ
8	R8MSTAT	R8MSTAT:W8 R Marital Status	Categ
9	R9MSTAT	R9MSTAT:W9 R Marital Status	Categ
10	R10MSTAT	R10MSTAT:W10 R Marital Status	Categ
11	R11MSTAT	R11MSTAT:W11 R Marital Status	Categ
12	R12MSTAT	R12MSTAT:W12 R Marital Status	Categ
1	S1MSTAT	S1MSTAT:W1 S Marital Status	Categ
2	S2MSTAT	S2MSTAT:W2 S Marital Status	Categ
3	S3MSTAT	S3MSTAT:W3 S Marital Status	Categ
4	S4MSTAT	S4MSTAT:W4 S Marital Status	Categ
5	S5MSTAT	S5MSTAT:W5 S Marital Status	Categ
6	S6MSTAT	S6MSTAT:W6 S Marital Status	Categ
7	S7MSTAT	S7MSTAT:W7 S Marital Status	Categ
8	S8MSTAT	S8MSTAT:W8 S Marital Status	Categ
9	S9MSTAT	S9MSTAT:W9 S Marital Status	Categ
10	S10MSTAT	S10MSTAT:W10 S Marital Status	Categ
11	S11MSTAT	S11MSTAT:W11 S Marital Status	Categ
12	S12MSTAT	S12MSTAT:W12 S Marital Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MSTAT	12652	1.98	1.98	1.0	8.0
R2MSTAT	19642	2.74	2.61	1.0	8.0
R3MSTAT	17928	2.87	2.69	1.0	8.0
R4MSTAT	21360	2.80	2.60	1.0	8.0
R5MSTAT	19559	2.88	2.63	1.0	8.0
R6MSTAT	18150	2.95	2.65	1.0	8.0
R7MSTAT	20114	2.89	2.61	1.0	8.0
R8MSTAT	18467	2.96	2.63	1.0	8.0
R9MSTAT	17215	3.03	2.65	1.0	8.0
R10MSTAT	22028	3.00	2.60	1.0	8.0
R11MSTAT	20551	3.05	2.62	1.0	8.0
R12MSTAT	18745	3.14	2.64	1.0	8.0
S1MSTAT	9900	1.08	0.38	1.0	3.0
S2MSTAT	13088	1.07	0.41	1.0	8.0
S3MSTAT	11915	1.06	0.35	1.0	6.0
S4MSTAT	13978	1.08	0.37	1.0	3.0
S5MSTAT	12730	1.08	0.39	1.0	3.0
S6MSTAT	11639	1.08	0.39	1.0	5.0
S7MSTAT	12972	1.10	0.43	1.0	5.0
S8MSTAT	11735	1.11	0.44	1.0	7.0
S9MSTAT	10646	1.11	0.46	1.0	8.0
S10MSTAT	13513	1.17	0.55	1.0	8.0
S11MSTAT	12488	1.18	0.56	1.0	7.0
S12MSTAT	11031	1.18	0.57	1.0	8.0

Categorical Variable Codes

Value	R1MSTAT	R2MSTAT	R3MSTAT	R4MSTAT	R5MSTAT	R6MSTAT	R7MSTAT
.M=Oth missing			63	24	20	15	15
1.Married	9837	13148	11792	13820	12368	11243	12515
2.Married,spouse absent	57	117	155	144	153	166	187
3.Partnered	385	359	380	551	520	450	650
4.Separated	310	278		331	282	259	323
5.Divorced	1080	1005		1711	1598	1523	1859
6.Separated/divorced		402	1537		1	1	
7.Widowed	621	3764	3590	4199	4094	4030	3949
8.Never married	362	569	474	604	543	478	631

Value	R8MSTAT	R9MSTAT	R10MSTAT	R11MSTAT	R12MSTAT
.M=Oth missing	2	2	6	3	3
1.Married	11273	10273	12772	11753	10461
2.Married,spouse absent	161	140	296	212	165
3.Partnered	618	598	1167	1115	999
4.Separated	277	277	464	444	433
5.Divorced	1741	1682	2501	2364	2186
6.Separated/divorced	8	6	17	13	17
7.Widowed	3843	3726	3733	3644	3571
8.Never married	546	513	1078	1006	913

Value	S1MSTAT	S2MSTAT	S3MSTAT	S4MSTAT	S5MSTAT	S6MSTAT	S7MSTAT
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.Married	9492	12701	11484	13373	12124	11075	12219
2.Married,spouse absent	42	22	124	124	141	152	168
3.Partnered	366	321	301	481	465	405	581
4.Separated		18				6	3
5.Divorced		11				1	1
6.Separated/divorced			6				
7.Widowed		7					
8.Never married		8					

Value	S8MSTAT	S9MSTAT	S10MSTAT	S11MSTAT	S12MSTAT
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Married	11027	9993	12218	11309	9992
2.Married,spouse absent	152	123	256	180	136
3.Partnered	553	524	1034	987	884
4.Separated	2	2	2	7	12
5.Divorced			1	2	3
7.Widowed	1	3	1	3	3
8.Never married		1	1		1

How Constructed

This variable is created using current marital status reported for each wave. For Wave 3A of AHEAD, and from Wave 4 forward, a cleaned version of marital status is used, which fills missing marital status using cover sheet data and marital events reported between interviews.

The codes for separation and divorce are combined in Waves 2A, 3A, and 3H; a separate category is used for this ambiguous state. For all waves, RwMSTAT combines "Married, spouse absent" as one category, rather than separating spouse in institution vs. not. HRS Wave 1 imputations are not used at all.

From Wave 7 and forward, some cases report a marital status of annulled, which is treated the same as never married.

The RwMSTAT variables code partnerships, which override the actual marital status that is available for most cases from Wave 4 forward. Some cases report an unmarried status, but have a partner in the same household, particularly in Wave 2. RwMSTAT retains the reported unmarried status. RwMPART indicates the presence of a partner regardless of the RwMSTAT code. Please see RwMPART description for details.

The RwMSTATH variables do not code partnerships, and actual marital status replaces the partnership code if it can be determined. Please see the description of RwMSTATH variables for details.

The spouse variable SwMSTAT is taken from the spouse's data for Wave 'w.' It is set to .U if Respondent is unmarried or unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

There are four individuals where discrepancies in reported marital status and partnership were found. These are resolved, and RwMSTAT and RwMPART are set based on examination of all available data for the individuals and their spouse/partners from all waves.

Cross Wave Differences in Original HRS Data

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status, and a series of questions in the Cover Sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, both married and annulled may be coded, in addition to the unmarried statuses allowed in prior waves. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions. There is no distinction made between spouse present and spouse absent in the raw marital status variable, but this information is available from other questions in the cover sheet section.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status used in deriving RwMSTAT.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

From Wave 4 forward, some partners appear to have married based on these reported marital transitions. These cases often report "other" in response to the question about specific unmarried status; note that "married" is not allowed in response to this question in Waves 4 to 6. Cases with both a reported marital event and a report of "other" marital status are

set to married in the cleaned versions of marital status used in deriving RwMSTAT.

HRS Variables Used

```
HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
HRS 1994:
    W200            A1. Marital Status
AHEAD 1995:
    D226            CS4.R SAME SP/P
    D227            CS5.SP/P ALIVE
    D240            CS11.R-WHERE LIVE
    D241            CS12.COUPLE LIVE TOGETHER
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E256A           MARRIAGE STATUS - CORRECTED
HRS 1998:
    F1059           A40.POST W1 MARRIAGE START
    F1066           A41.POST W1 DIV/WIDOWED
    F1070           A43.MARITAL STATUS IF UNMARRIED
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F461            PRELOAD COHORT
    F462            PRELOAD MARITAL STATUS
    F475            WHICH IW 1ST R/2ND R
    F502            CS4.1ST R SAME SPOUSE/P
    F504            CS5.PRELOAD SPOUSE/P ALIVE
    F507            CS7.1ST R MARRIED
    F508            CS8.COUPLE PARTNER
    F517            CS11.R IN NURSING HOME
    F521            CS12.COUPLE LIVE TOGETHER
    F524            CS14.SP/P WHERE LIVE
    F528            CS15A.MARRIED OR SEPARATED
    F529            CS15B.SEPARATED:PARTNERED?
    F546            CS15D.CURRENT COUPLENESS
    FMARSTP         HRS 98: Marital Status (w/ partnered)
HRS 2000:
    G1146           A40.POST W1 MARRIAGE START
    G1153           A41.POST W1 DIV/WIDOWED
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G482            CS0Y9.PRELOAD ENTRY COHORT
    G506            CS0Y21.WHICH IW 1ST R/2ND R
    G543            CS4.1ST R SAME SPOUSE/P
    G545            CS5.PRELOAD SPOUSE/P ALIVE
    G548            CS7.1ST R MARRIED
    G549            CS8.COUPLE PARTNER
    G558            CS11.R IN NURSING HOME
    G562            CS12.COUPLE LIVE TOGETHER
    G569            CS15A.MARRIED OR SEPARATED
    G570            CS15B.SEPARATED:PARTNERED?
    G597            CS15D.CURRENT COUPLENESS
    GMARSTP         HRS 00: Marital Status (w/ partnered)
HRS 2002:
    HA020           1ST R SAME SP/P
    HA023           PREVIOUS WAVE SP/P ALIVE
    HA026           R MARRIED
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    HA027           LIVING W/P
    HA028           R IN NURSING HOME
    HA030           COUPLE LIVE TOGETHER
    HA033           SP/P IN NURSHOME
    HA034           MARRIED OR SEPARATED
    HA035           SEPARATED/PARTNERED
    HB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    HB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    HB061           MARITAL STATUS IF UNMARRIED
    HMARITAL        MARITAL STATUS
    HMARSTP         HRS 02: Marital Status (w/ partnered)
    HX065_R         COUPLENESS STATUS - UPDATED
    HZ023           WHICH COHORT
HRS 2004:
    JA020           1ST R SAME SP/P
    JA023           PREVIOUS WAVE SP/P ALIVE
    JA026           R MARRIED
    JA027           LIVING W/P
    JA028           R IN NURSING HOME
    JA030           COUPLE LIVE TOGETHER
    JA033           SP/P IN NURSHOME
    JA034           MARRIED OR SEPARATED
    JA035           SEPARATED/PARTNERED
    JB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    JB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    JB061           MARITAL STATUS IF UNMARRIED
    JB063           MARITAL STATUS ASSIGNED
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
    JX065_R         COUPLENESS STATUS - UPDATED
    JZ023           WHICH COHORT
HRS 2006:
    KA020           1ST R SAME SP/P
    KA023           PREVIOUS WAVE SP/P ALIVE
    KA026           R MARRIED
    KA027           LIVING W/P
    KA028           R IN NURSING HOME
    KA030           COUPLE LIVE TOGETHER
    KA033           SP/P IN NURSHOME
    KA034           MARRIED OR SEPARATED
    KA035           SEPARATED/PARTNERED
    KB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    KB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    KB061           MARITAL STATUS IF UNMARRIED
    KB063           MARITAL STATUS ASSIGNED
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
    KX065_R         COUPLENESS STATUS - UPDATED
    KZ023           WHICH COHORT
HRS 2008:
    LA020           1ST R SAME SP/P
    LA023           PREVIOUS WAVE SP/P ALIVE
    LA026           R MARRIED
    LA027           LIVING W/P
    LA028           R IN NURSING HOME
    LA030           COUPLE LIVE TOGETHER
    LA033           SP/P IN NURSHOME
    LA034           MARRIED OR SEPARATED
    LA035           SEPARATED/PARTNERED
    LB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    LB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
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    LB061           MARITAL STATUS IF UNMARRIED
    LB063           MARITAL STATUS ASSIGNED
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
    LX065_R         COUPLENESS STATUS - UPDATED
    LZ023           PREV WAVE WHICH COHORT
HRS 2010:
    MA020           1ST R SAME SP/P
    MA023           PREVIOUS WAVE SP/P ALIVE
    MA026           R MARRIED
    MA027           LIVING W/P
    MA028           R IN NURSING HOME
    MA030           COUPLE LIVE TOGETHER
    MA033           SP/P IN NURSHOME
    MA034           MARRIED OR SEPARATED
    MA035           SEPARATED/PARTNERED
    MB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    MB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    MB061           MARITAL STATUS IF UNMARRIED
    MB063           MARITAL STATUS ASSIGNED
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
    MX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
    MZ023           PREV WAVE WHICH COHORT -1
HRS 2012:
    NA020           1ST R SAME SP/P
    NA023           PREVIOUS WAVE SP/P ALIVE
    NA026           R MARRIED
    NA027           LIVING W/P
    NA028           R IN NURSING HOME
    NA030           COUPLE LIVE TOGETHER
    NA033           SP/P IN NURSHOME
    NA034           MARRIED OR SEPARATED
    NA035           SEPARATED/PARTNERED
    NB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    NB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    NB061           MARITAL STATUS IF UNMARRIED
    NB063           MARITAL STATUS ASSIGNED
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
    NX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
    NZ023           PREV WAVE WHICH COHORT
HRS 2014:
    OA020           1ST R SAME SP/P
    OA023           PREVIOUS WAVE SP/P ALIVE
    OA026           R MARRIED
    OA027           LIVING W/P
    OA028           R IN NURSING HOME
    OA030           COUPLE LIVE TOGETHER
    OA033           SP/P IN NURSHOME
    OA034           MARRIED OR SEPARATED
    OA035           SEPARATED/PARTNERED
    OB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    OB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    OB061           MARITAL STATUS IF UNMARRIED
    OB063           MARITAL STATUS ASSIGNED
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
    OX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
    OZ023           PREV WAVE WHICH COHORT
Tracker:
    ASUBHH          1992 SUB-HOUSEHOLD IDENTIFIER
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
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CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
ESUBHH          1996 SUB-HOUSEHOLD IDENTIFIER
FSUBHH          1998 SUB-HOUSEHOLD IDENTIFIER
GSUBHH          2000 SUB-HOUSEHOLD IDENTIFIER
HHID            HOUSEHOLD IDENTIFIER
HSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
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Current Marital Status: Current Partnership Status

Wave	Variable Name	Variable Label	Type
1	R1MPART	R1MPART:W1 R partnered	Categ
2	R2MPART	R2MPART:W2 R partnered	Categ
3	R3MPART	R3MPART:W3 R partnered	Categ
4	R4MPART	R4MPART:W4 R partnered	Categ
5	R5MPART	R5MPART:W5 R partnered	Categ
6	R6MPART	R6MPART:W6 R partnered	Categ
7	R7MPART	R7MPART:W7 R partnered	Categ
8	R8MPART	R8MPART:W8 R partnered	Categ
9	R9MPART	R9MPART:W9 R partnered	Categ
10	R10MPART	R10MPART:W10 R partnered	Categ
11	R11MPART	R11MPART:W11 R partnered	Categ
12	R12MPART	R12MPART:W12 R partnered	Categ
1	S1MPART	S1MPART:W1 S partnered	Categ
2	S2MPART	S2MPART:W2 S partnered	Categ
3	S3MPART	S3MPART:W3 S partnered	Categ
4	S4MPART	S4MPART:W4 S partnered	Categ
5	S5MPART	S5MPART:W5 S partnered	Categ
6	S6MPART	S6MPART:W6 S partnered	Categ
7	S7MPART	S7MPART:W7 S partnered	Categ
8	S8MPART	S8MPART:W8 S partnered	Categ
9	S9MPART	S9MPART:W9 S partnered	Categ
10	S10MPART	S10MPART:W10 S partnered	Categ
11	S11MPART	S11MPART:W11 S partnered	Categ
12	S12MPART	S12MPART:W12 S partnered	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MPART	12652	0.03	0.17	0.0	1.0
R2MPART	19642	0.02	0.14	0.0	1.0
R3MPART	17991	0.02	0.14	0.0	1.0
R4MPART	21384	0.03	0.16	0.0	1.0
R5MPART	19579	0.03	0.16	0.0	1.0
R6MPART	18165	0.02	0.16	0.0	1.0
R7MPART	20129	0.03	0.18	0.0	1.0
R8MPART	18469	0.03	0.18	0.0	1.0
R9MPART	17217	0.03	0.18	0.0	1.0
R10MPART	22034	0.05	0.22	0.0	1.0
R11MPART	20554	0.05	0.23	0.0	1.0
R12MPART	18748	0.05	0.22	0.0	1.0
S1MPART	9900	0.04	0.19	0.0	1.0
S2MPART	13088	0.03	0.16	0.0	1.0
S3MPART	11915	0.03	0.16	0.0	1.0
S4MPART	13978	0.03	0.18	0.0	1.0
S5MPART	12730	0.04	0.19	0.0	1.0
S6MPART	11639	0.03	0.18	0.0	1.0
S7MPART	12972	0.04	0.21	0.0	1.0
S8MPART	11735	0.05	0.21	0.0	1.0
S9MPART	10646	0.05	0.22	0.0	1.0
S10MPART	13513	0.08	0.27	0.0	1.0
S11MPART	12488	0.08	0.27	0.0	1.0
S12MPART	11031	0.08	0.27	0.0	1.0

Categorical Variable Codes

Value	R1MPART	R2MPART	R3MPART	R4MPART	R5MPART	R6MPART	R7MPART
0.No	12267	19234	17605	20833	19059	17715	19479
1.Yes	385	408	386	551	520	450	650

Value	R8MPART	R9MPART	R10MPART	R11MPART	R12MPART
0.No	17851	16619	20867	19439	17749
1.Yes	618	598	1167	1115	999

Value	S1MPART	S2MPART	S3MPART	S4MPART	S5MPART	S6MPART	S7MPART
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	9534	12723	11608	13497	12265	11234	12391
1.Yes	366	365	307	481	465	405	581

Value	S8MPART	S9MPART	S10MPART	S11MPART	S12MPART
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11182	10122	12479	11501	10147
1.Yes	553	524	1034	987	884

How Constructed

Marital status RwMSTAT indicates partnership; that is, living with a partner who is not the Respondent's spouse. In addition, some cases report an unmarried status, but have a partner in the same household. Another living individual with the same HHID and sub-household ID on the Tracker file, or in the core data, indicates the presence of a partner when the Respondent gives an unmarried status. From Wave 4 forward, the "coupleness" code in the cover sheet section can also indicate a partnership. RwMPART indicates the presence of a partner regardless of the RwMSTAT code.

The spouse variable SwMPART is taken from the spouse's data for Wave 'w.' In some cases, the spouse and Respondent disagree as to whether they are married or partnered, so RwMPART and SwMPART are not always the same in a given wave. SwMPART is set to .U if the Respondent is unmarried and unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

Cross Wave Differences in Original HRS Data

Partnership is indicated by a marital status code in Waves 1 to 3H. From Wave 4 forward, it is indicated by a separate cover sheet section variable.

Partnership can also be indicated by a non-married status when the household is a couple, rather than single in any wave.

Beginning with Tracker 2002.V2 the surviving spouse sometimes retains the spouse PN of the deceased Respondent. In previous versions of Tracker this was not the case.

HRS Variables Used

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HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
HRS 1994:
    W200            A1. Marital Status
AHEAD 1995:
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E256A           MARRIAGE STATUS - CORRECTED
HRS 1998:
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F546            CS15D.CURRENT COUPLENESS
    FMARSTP         HRS 98: Marital Status (w/ partnered)
HRS 2000:
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G597            CS15D.CURRENT COUPLENESS
    GMARSTP         HRS 00: Marital Status (w/ partnered)
HRS 2002:
    HMARITAL        MARITAL STATUS
    HMARSTP         HRS 02: Marital Status (w/ partnered)
    HPN_SP          2002 SPOUSE/PARTNER PERSON NUMBER
    HSUBHH          HRS 2002 SUB-HOUSEHOLD ID (Char)
    HX065_R         COUPLENESS STATUS - UPDATED
HRS 2004:
    JPN_SP          2004 SPOUSE/PARTNER PERSON NUMBER
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
    JX065_R         COUPLENESS STATUS - UPDATED
HRS 2006:
    KPN_SP          2006 SPOUSE/PARTNER PERSON NUMBER
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
    KX065_R         COUPLENESS STATUS - UPDATED
HRS 2008:
    LPN_SP          2008 SPOUSE/PARTNER PERSON NUMBER
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
    LX065_R         COUPLENESS STATUS - UPDATED
HRS 2010:
    MPN_SP          2010 SPOUSE/PARTNER PERSON NUMBER
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
    MX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
HRS 2012:
    NPN_SP          2012 SPOUSE/PARTNER PERSON NUMBER
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
    NX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
HRS 2014:
    OPN_SP          2014 SPOUSE/PARTNER PERSON NUMBER
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
    OX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
Tracker:
    APPN            1992 SPOUSE-PARTNER PERSON NUMBER
    ASUBHH          1992 SUB-HOUSEHOLD IDENTIFIER
    BPPN            1993 SPOUSE-PARTNER PERSON NUMBER
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    CALIVE          1994 VITAL STATUS
    CPPN            1994 SPOUSE-PARTNER PERSON NUMBER
    CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
    DALIVE          1995 VITAL STATUS
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DPPN            1995 SPOUSE-PARTNER PERSON NUMBER
DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
EALIVE          1996 VITAL STATUS
EPPN            1996 SPOUSE-PARTNER PERSON NUMBER
ESUBHH          1996 SUB-HOUSEHOLD IDENTIFIER
FALIVE          1998 VITAL STATUS
FPPN            1998 SPOUSE-PARTNER PERSON NUMBER
FSUBHH          1998 SUB-HOUSEHOLD IDENTIFIER
GALIVE          2000 VITAL STATUS
GPPN            2000 SPOUSE-PARTNER PERSON NUMBER
GSUBHH          2000 SUB-HOUSEHOLD IDENTIFIER
HALIVE          2002 VITAL STATUS
HHID            HOUSEHOLD IDENTIFIER
HPPN            2002 SPOUSE-PARTNER PERSON NUMBER
HSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
JALIVE          2004 VITAL STATUS
JPPN            2004 SPOUSE-PARTNER PERSON NUMBER
JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
KALIVE          2006 VITAL STATUS
KPPN            2006 SPOUSE-PARTNER PERSON NUMBER
KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
LALIVE          2008 VITAL STATUS
LPPN            2008 SPOUSE-PARTNER PERSON NUMBER
LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
MALIVE          2010 VITAL STATUS
MPPN            2010 SPOUSE-PARTNER PERSON NUMBER
MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
NALIVE          2012 VITAL STATUS
NPPN            2012 SPOUSE-PARTNER PERSON NUMBER
NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
OALIVE          2014 VITAL STATUS
OPPN            2014 SPOUSE-PARTNER PERSON NUMBER
OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
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Current Marital Status: Without partnership

Wave	Variable Name	Variable Label	Type
1	R1MSTATH	R1MSTATH:W1 R MarStat-w/o part,filled	Categ
2	R2MSTATH	R2MSTATH:W2 R MarStat-w/o part,filled	Categ
3	R3MSTATH	R3MSTATH:W3 R MarStat-w/o part,filled	Categ
4	R4MSTATH	R4MSTATH:W4 R MarStat-w/o part,filled	Categ
5	R5MSTATH	R5MSTATH:W5 R MarStat-w/o part,filled	Categ
6	R6MSTATH	R6MSTATH:W6 R MarStat-w/o part,filled	Categ
7	R7MSTATH	R7MSTATH:W7 R MarStat-w/o part,filled	Categ
8	R8MSTATH	R8MSTATH:W8 R MarStat-w/o part,filled	Categ
9	R9MSTATH	R9MSTATH:W9 R MarStat-w/o part,filled	Categ
10	R10MSTATH	R10MSTATH:W10 R MarStat-w/o part,filled	Categ
11	R11MSTATH	R11MSTATH:W11 R MarStat-w/o part,filled	Categ
12	R12MSTATH	R12MSTATH:W12 R MarStat-w/o part,filled	Categ
1	S1MSTATH	S1MSTATH:W1 S MarStat-w/o part,filled	Categ
2	S2MSTATH	S2MSTATH:W2 S MarStat-w/o part,filled	Categ
3	S3MSTATH	S3MSTATH:W3 S MarStat-w/o part,filled	Categ
4	S4MSTATH	S4MSTATH:W4 S MarStat-w/o part,filled	Categ
5	S5MSTATH	S5MSTATH:W5 S MarStat-w/o part,filled	Categ
6	S6MSTATH	S6MSTATH:W6 S MarStat-w/o part,filled	Categ
7	S7MSTATH	S7MSTATH:W7 S MarStat-w/o part,filled	Categ
8	S8MSTATH	S8MSTATH:W8 S MarStat-w/o part,filled	Categ
9	S9MSTATH	S9MSTATH:W9 S MarStat-w/o part,filled	Categ
10	S10MSTATH	S10MSTATH:W10 S MarStat-w/o part,filled	Categ
11	S11MSTATH	S11MSTATH:W11 S MarStat-w/o part,filled	Categ
12	S12MSTATH	S12MSTATH:W12 S MarStat-w/o part,filled	Categ
1	R1MSTATF	R1MSTATF:W1 R MStatH-Flag diff w/marhist	Categ
2	R2MSTATF	R2MSTATF:W2 R MStatH-Flag diff w/marhist	Categ
3	R3MSTATF	R3MSTATF:W3 R MStatH-Flag diff w/marhist	Categ
4	R4MSTATF	R4MSTATF:W4 R MStatH-Flag diff w/marhist	Categ
5	R5MSTATF	R5MSTATF:W5 R MStatH-Flag diff w/marhist	Categ
6	R6MSTATF	R6MSTATF:W6 R MStatH-Flag diff w/marhist	Categ
7	R7MSTATF	R7MSTATF:W7 R MStatH-Flag diff w/marhist	Categ
8	R8MSTATF	R8MSTATF:W8 R MStatH-Flag diff w/marhist	Categ
9	R9MSTATF	R9MSTATF:W9 R MStatH-Flag diff w/marhist	Categ
10	R10MSTATF	R10MSTATF:W10 R MStatH-Flag diff w/marhist	Categ
11	R11MSTATF	R11MSTATF:W11 R MStatH-Flag diff w/marhist	Categ
12	R12MSTATF	R12MSTATF:W12 R MStatH-Flag diff w/marhist	Categ
1	S1MSTATF	S1MSTATF:W1 S MStatH-Flag diff w/marhist	Categ
2	S2MSTATF	S2MSTATF:W2 S MStatH-Flag diff w/marhist	Categ
3	S3MSTATF	S3MSTATF:W3 S MStatH-Flag diff w/marhist	Categ
4	S4MSTATF	S4MSTATF:W4 S MStatH-Flag diff w/marhist	Categ
5	S5MSTATF	S5MSTATF:W5 S MStatH-Flag diff w/marhist	Categ
6	S6MSTATF	S6MSTATF:W6 S MStatH-Flag diff w/marhist	Categ
7	S7MSTATF	S7MSTATF:W7 S MStatH-Flag diff w/marhist	Categ
8	S8MSTATF	S8MSTATF:W8 S MStatH-Flag diff w/marhist	Categ
9	S9MSTATF	S9MSTATF:W9 S MStatH-Flag diff w/marhist	Categ
10	S10MSTATF	S10MSTATF:W10 S MStatH-Flag diff w/marhist	Categ
11	S11MSTATF	S11MSTATF:W11 S MStatH-Flag diff w/marhist	Categ
12	S12MSTATF	S12MSTATF:W12 S MStatH-Flag diff w/marhist	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MSTATH	12652	2.08	2.16	1.0	9.0
R2MSTATH	19642	2.79	2.65	1.0	9.0
R3MSTATH	17988	2.84	2.65	1.0	9.0
R4MSTATH	21380	2.88	2.65	1.0	9.0
R5MSTATH	19579	2.96	2.68	1.0	9.0

R6MSTATH	18165	3.03	2.70	1.0	8.0
R7MSTATH	20123	2.98	2.67	1.0	8.0
R8MSTATH	18469	3.05	2.69	1.0	8.0
R9MSTATH	17217	3.13	2.71	1.0	8.0
R10MSTATH	22030	3.15	2.70	1.0	9.0
R11MSTATH	20554	3.21	2.71	1.0	9.0
R12MSTATH	18748	3.30	2.73	1.0	8.0
S1MSTATH	9900	1.21	1.13	1.0	9.0
S2MSTATH	13088	1.15	0.94	1.0	9.0
S3MSTATH	11915	1.13	0.79	1.0	9.0
S4MSTATH	13978	1.18	0.92	1.0	9.0
S5MSTATH	12730	1.19	0.94	1.0	9.0
S6MSTATH	11639	1.19	0.93	1.0	8.0
S7MSTATH	12972	1.23	1.05	1.0	8.0
S8MSTATH	11735	1.25	1.09	1.0	8.0
S9MSTATH	10646	1.26	1.11	1.0	8.0
S10MSTATH	13513	1.40	1.37	1.0	9.0
S11MSTATH	12488	1.41	1.40	1.0	9.0
S12MSTATH	11031	1.42	1.41	1.0	8.0
R1MSTATF	12652	0.00	0.00	0.0	0.0
R2MSTATF	19642	0.03	0.33	0.0	5.0
R3MSTATF	17991	0.01	0.14	0.0	5.0
R4MSTATF	21384	0.04	0.43	0.0	5.0
R5MSTATF	19579	0.06	0.53	0.0	5.0
R6MSTATF	18165	0.08	0.59	0.0	5.0
R7MSTATF	20129	0.06	0.52	0.0	5.0
R8MSTATF	18469	0.06	0.52	0.0	5.0
R9MSTATF	17217	0.07	0.54	0.0	5.0
R10MSTATF	22034	0.05	0.45	0.0	5.0
R11MSTATF	20554	0.07	0.53	0.0	5.0
R12MSTATF	18748	0.08	0.55	0.0	5.0
S1MSTATF	9900	0.00	0.00	0.0	0.0
S2MSTATF	13088	0.00	0.04	0.0	3.0
S3MSTATF	11915	0.00	0.00	0.0	0.0
S4MSTATF	13978	0.00	0.03	0.0	2.0
S5MSTATF	12730	0.00	0.04	0.0	2.0
S6MSTATF	11639	0.00	0.04	0.0	3.0
S7MSTATF	12972	0.00	0.03	0.0	2.0
S8MSTATF	11735	0.00	0.03	0.0	1.0
S9MSTATF	10646	0.00	0.04	0.0	2.0
S10MSTATF	13513	0.00	0.04	0.0	2.0
S11MSTATF	12488	0.00	0.07	0.0	2.0
S12MSTATF	11031	0.00	0.09	0.0	3.0

Categorical Variable Codes

Value	R1MSTATH	R2MSTATH	R3MSTATH	R4MSTATH	R5MSTATH	R6MSTATH	R7MSTATH
.M=Oth missing			3	4			6
1.Married	9837	13148	11792	13820	12368	11243	12515
2.Married,spouse absent	57	117	155	144	153	166	187
4.Separated	360	434	367	390	331	289	356
5.Divorced	1217	1321	1376	2009	1900	1776	2232
6.Separated/divorced		111	70				
7.Widowed	649	3806	3678	4317	4203	4155	4096
8.Never married	428	627	537	691	619	536	737
9.Unknown unmar	104	78	13	9	5		

Value	R8MSTATH	R9MSTATH	R10MSTATH	R11MSTATH	R12MSTATH
.M=Oth missing			4		
1.Married	11273	10274	12772	11753	10461
2.Married,spouse absent	161	140	296	212	165
4.Separated	313	299	566	519	489
5.Divorced	2082	2023	3124	2978	2742
6.Separated/divorced			1		
7.Widowed	3996	3879	3943	3859	3771
8.Never married	644	602	1325	1230	1120
9.Unknown unmar			3	3	

Value	S1MSTATH	S2MSTATH	S3MSTATH	S4MSTATH	S5MSTATH	S6MSTATH	S7MSTATH
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.Married	9492	12701	11484	13373	12124	11075	12219
2.Married,spouse absent	42	22	124	124	141	152	168
4.Separated	46	71	62	43	38	25	32
5.Divorced	131	113	135	253	254	220	327
6.Separated/divorced		1					
7.Widowed	26	44	54	104	100	116	130
8.Never married	63	62	44	73	68	51	96
9.Unknown unmar	100	74	12	8	5		

Value	S8MSTATH	S9MSTATH	S10MSTATH	S11MSTATH	S12MSTATH
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Married	11027	9993	12218	11309	9992
2.Married,spouse absent	152	123	256	180	136
4.Separated	30	20	86	65	63
5.Divorced	299	296	538	530	479
7.Widowed	137	134	183	189	169
8.Never married	90	80	230	212	192
9.Unknown unmar			2	3	

Value	R1MSTATF	R2MSTATF	R3MSTATF	R4MSTATF	R5MSTATF	R6MSTATF	R7MSTATF
0.No discrepancy	12652	19497	17943	21150	19240	17799	19799
1.MS=nev,marhis=evmar		29	23	33	52	41	49
2.MS=evmar,marhis=nev		20	15	36	43	43	39
3.MS=sep,marhis=wid/div		24		18	43	46	41
5.Othr dif unmarried MS		72	10	147	201	236	201

Value	R8MSTATF	R9MSTATF	R10MSTATF	R11MSTATF	R12MSTATF
0.No discrepancy	18150	16891	21715	20119	18308
1.MS=nev,marhis=evmar	52	61	84	115	106
2.MS=evmar,marhis=nev	40	37	37	56	62
3.MS=sep,marhis=wid/div	49	53	45	72	86
5.Othr dif unmarried MS	178	175	153	192	186

Value	S1MSTATF	S2MSTATF	S3MSTATF	S4MSTATF	S5MSTATF	S6MSTATF	S7MSTATF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No discrepancy	9900	13085	11915	13974	12719	11630	12964
1.MS=nev,marhis=evmar				2	7	7	7
2.MS=evmar,marhis=nev		1		2	4	1	1
3.MS=sep,marhis=wid/div		2				1	

Value	S8MSTATF	S9MSTATF	S10MSTATF	S11MSTATF	S12MSTATF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No discrepancy	11727	10631	13498	12457	10997
1.MS=nev,marhis=evmar	8	13	14	23	21
2.MS=evmar,marhis=nev		2	1	8	11
3.MS=sep,marhis=wid/div					2

How Constructed

This variable is created using current marital status reported for each wave. For Wave 3A, and from Wave 4 forward, a cleaned version of marital status is used, which fills missing marital status using cover sheet data and marital events reported between interviews.

The RwMSTAT variables code partnerships, which override actual marital status. Before Wave 4, partnered couples were not asked for their unmarried status. Beginning in Wave 4, those not living with another, and those living as unmarried partners, were asked for their ummarried status. Please see the description of RwMSTAT and RwMPART variables for details.

The RwMSTATH variables are derived from RwMSTAT but do not code partnerships, and actual marital status replaces the partnership code, if it can be determined. For instance, because partners were specifically asked actual marital status from Waves 4 forward, many partner marital statuses can be carried back to prior waves if no intervening marital events have occurred. Marital events can also indicate marital status of a partnered Respondent, e.g., a number of partners report a widowhood or divorce, followed closely by a marriage to the partner. When the actual marital status cannot be determined RwMSTATH is set to an unknown unmarried status (=9). Marital status for partners can sometimes also be determined at their first interview from retrospective marriage history information. From Wave 7 and forward, some cases report a marital status of annulled, which is treated the same as never married.

The codes for separation and divorce are combined in Waves 2A, 3A, and 3H; a separate category is used for this ambiguous state. Information from previous and subsequent wave marital status, marital events reported, marital history,

and spouse marital status are used to distinguish between separation and divorce in these waves when possible. For all waves, this variable combines "Married, spouse absent" as one category, rather than separating spouse in institution vs not. HRS Wave 1 imputations are not used at all.

The RwMSTATF variables compare RwMSTATH with marital status reported in other waves, and those derived from marital history. For instance, some cases switch between unmarried statuses across waves, e.g., from divorced to never married. RwMSTATF flags these seemingly illogical differences, distinguishing between ever married and never married discrepancies, and those of other types.

RwMSTATH may have a value when RwMSTAT is missing. The analyst may want to fill RwMSTAT from RwMSTATH in these cases.

The spouse variable SwMSTATH is taken from the spouse's data for Wave 'w.' It is set to .U if the Respondent is unmarried or unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

Cross Wave Differences in Original HRS Data

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded, in addition to the unmarried statuses.

Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from the cover sheet section questions. There is no distinction made between spouse present and spouse absent in the raw marital status variable, but this information is available from other questions in the cover sheet section.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status used to derive RwMSTAT.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

From Wave 4 forward, some partners appear to have married based on these reported marital transitions. These cases often report "other" in response to the question about specific unmarried status; note that "married" is not allowed in response to this question. Cases with both a reported marital event and a report of "other" marital status are set to married in

the cleaned versions of marital status used in deriving RwMSTAT.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended. In Wave 1, partnered Respondents are asked the timing of their most recent marriage, but not how it ended. For Wave 2A, partnered Respondents who report being previously married are asked how the marriage ended, and the number of years they were married. For new Respondents in Wave 2H the most recent marriage is only asked about if it is also the first. From Wave 3 forward, new Respondents are asked how the most recent marriage ended if they were ever married.

HRS Variables Used

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HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
    V228            A10B:EVER BEEN MARRIED
    V232            A10E:LAST MARR END-MO
    V233            A10E:LAST MARR END-YEAR
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
    B158            A11c. LIVE TGHR: EVER MARRIED
    B160            A11e. LIVE TGHR: DIVORCED OR WIDOWED
    B166            A13. # OF MARRIAGES EVER
HRS 1994:
    W200            A1. Marital Status
    W207            A6. Ever Been Married?
    W208            A7. Number of Times Married
    W210            A9. Marriage End Divorce/Widow
AHEAD 1995:
    D676            A21.L-EVER MARRIED
    D677            A21A.# MARRIAGES
    D680            A22B.FIRST MAR-END DIV/WID
    D684            A23B.RECENT MAR-END DIV/WID
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E256A           MARRIAGE STATUS - CORRECTED
    E676            A21.L-EVER MARRIED
    E677            A21A.# MARRIAGES
    E680            A22B.FIRST MAR-END DIV/WID
    E684            A23B.RECENT MAR-END DIV/WID
HRS 1998:
    F1059           A40.POST W1 MARRIAGE START
    F1066           A41.POST W1 DIV/WIDOWED
    F1070           A43.MARITAL STATUS IF UNMARRIED
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F1072           A44.# MARRIAGES
    F1075           A45B.FIRST MAR-END DIV/WID
    F1087           A48B.RECENT MAR-END DIV/WID
    F461            PRELOAD COHORT
    F462            PRELOAD MARITAL STATUS
    F475            WHICH IW 1ST R/2ND R
    F502            CS4.1ST R SAME SPOUSE/P
    F504            CS5.PRELOAD SPOUSE/P ALIVE
    F507            CS7.1ST R MARRIED
    F508            CS8.COUPLE PARTNER
    F517            CS11.R IN NURSING HOME
    F521            CS12.COUPLE LIVE TOGETHER
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    F524            CS14.SP/P WHERE LIVE
    F528            CS15A.MARRIED OR SEPARATED
    F529            CS15B.SEPARATED:PARTNERED?
    F546            CS15D.CURRENT COUPLENESS
    FMARST          HRS 98: Marital Status (w/o partnered)
    FMARSTP         HRS 98: Marital Status (w/ partnered)
HRS 2000:
    G1146           A40.POST W1 MARRIAGE START
    G1153           A41.POST W1 DIV/WIDOWED
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G1159           A44.# MARRIAGES
    G1162           A45B.FIRST MAR-END DIV/WID
    G1174           A48B.RECENT MAR-END DIV/WID
    G482            CS0Y9.PRELOAD ENTRY COHORT
    G506            CS0Y21.WHICH IW 1ST R/2ND R
    G543            CS4.1ST R SAME SPOUSE/P
    G545            CS5.PRELOAD SPOUSE/P ALIVE
    G548            CS7.1ST R MARRIED
    G549            CS8.COUPLE PARTNER
    G558            CS11.R IN NURSING HOME
    G562            CS12.COUPLE LIVE TOGETHER
    G569            CS15A.MARRIED OR SEPARATED
    G570            CS15B.SEPARATED:PARTNERED?
    G597            CS15D.CURRENT COUPLENESS
    GMARST          HRS 00: Marital Status (w/o partnered)
    GMARSTP         HRS 00: Marital Status (w/ partnered)
HRS 2002:
    HA020           1ST R SAME SP/P
    HA023           PREVIOUS WAVE SP/P ALIVE
    HA026           R MARRIED
    HA027           LIVING W/P
    HA028           R IN NURSING HOME
    HA030           COUPLE LIVE TOGETHER
    HA033           SP/P IN NURSHOME
    HA034           MARRIED OR SEPARATED
    HA035           SEPARATED/PARTNERED
    HB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    HB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    HB061           MARITAL STATUS IF UNMARRIED
    HB065           NUMBER OF MARRIAGES
    HB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    HMARITAL        MARITAL STATUS
    HMARST          HRS 02: Marital Status (w/o partnered)
    HMARSTP         HRS 02: Marital Status (w/ partnered)
    HX065_R         COUPLENESS STATUS - UPDATED
    HZ023           WHICH COHORT
HRS 2004:
    JA020           1ST R SAME SP/P
    JA023           PREVIOUS WAVE SP/P ALIVE
    JA026           R MARRIED
    JA027           LIVING W/P
    JA028           R IN NURSING HOME
    JA030           COUPLE LIVE TOGETHER
    JA033           SP/P IN NURSHOME
    JA034           MARRIED OR SEPARATED
    JA035           SEPARATED/PARTNERED
    JB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    JB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    JB061           MARITAL STATUS IF UNMARRIED
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    JB063           MARITAL STATUS ASSIGNED
    JB065           NUMBER OF MARRIAGES
    JB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
    JX065_R         COUPLENESS STATUS - UPDATED
    JZ023           WHICH COHORT
HRS 2006:
    KA020           1ST R SAME SP/P
    KA023           PREVIOUS WAVE SP/P ALIVE
    KA026           R MARRIED
    KA027           LIVING W/P
    KA028           R IN NURSING HOME
    KA030           COUPLE LIVE TOGETHER
    KA033           SP/P IN NURSHOME
    KA034           MARRIED OR SEPARATED
    KA035           SEPARATED/PARTNERED
    KB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    KB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    KB061           MARITAL STATUS IF UNMARRIED
    KB063           MARITAL STATUS ASSIGNED
    KB065           NUMBER OF MARRIAGES
    KB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
    KX065_R         COUPLENESS STATUS - UPDATED
    KZ023           WHICH COHORT
HRS 2008:
    LA020           1ST R SAME SP/P
    LA023           PREVIOUS WAVE SP/P ALIVE
    LA026           R MARRIED
    LA027           LIVING W/P
    LA028           R IN NURSING HOME
    LA030           COUPLE LIVE TOGETHER
    LA033           SP/P IN NURSHOME
    LA034           MARRIED OR SEPARATED
    LA035           SEPARATED/PARTNERED
    LB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    LB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    LB061           MARITAL STATUS IF UNMARRIED
    LB063           MARITAL STATUS ASSIGNED
    LB065           NUMBER OF MARRIAGES
    LB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
    LX065_R         COUPLENESS STATUS - UPDATED
    LZ023           PREV WAVE WHICH COHORT
HRS 2010:
    MA020           1ST R SAME SP/P
    MA023           PREVIOUS WAVE SP/P ALIVE
    MA026           R MARRIED
    MA027           LIVING W/P
    MA028           R IN NURSING HOME
    MA030           COUPLE LIVE TOGETHER
    MA033           SP/P IN NURSHOME
    MA034           MARRIED OR SEPARATED
    MA035           SEPARATED/PARTNERED
    MB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    MB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    MB061           MARITAL STATUS IF UNMARRIED
    MB063           MARITAL STATUS ASSIGNED
    MB065           NUMBER OF MARRIAGES
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    MB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
    MX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
    MZ023           PREV WAVE WHICH COHORT -1
HRS 2012:
    NA020           1ST R SAME SP/P
    NA023           PREVIOUS WAVE SP/P ALIVE
    NA026           R MARRIED
    NA027           LIVING W/P
    NA028           R IN NURSING HOME
    NA030           COUPLE LIVE TOGETHER
    NA033           SP/P IN NURSHOME
    NA034           MARRIED OR SEPARATED
    NA035           SEPARATED/PARTNERED
    NB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    NB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    NB061           MARITAL STATUS IF UNMARRIED
    NB063           MARITAL STATUS ASSIGNED
    NB065           NUMBER OF MARRIAGES
    NB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
    NX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
    NZ023           PREV WAVE WHICH COHORT
HRS 2014:
    OA020           1ST R SAME SP/P
    OA023           PREVIOUS WAVE SP/P ALIVE
    OA026           R MARRIED
    OA027           LIVING W/P
    OA028           R IN NURSING HOME
    OA030           COUPLE LIVE TOGETHER
    OA033           SP/P IN NURSHOME
    OA034           MARRIED OR SEPARATED
    OA035           SEPARATED/PARTNERED
    OB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    OB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    OB061           MARITAL STATUS IF UNMARRIED
    OB063           MARITAL STATUS ASSIGNED
    OB065           NUMBER OF MARRIAGES
    OB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
    OX065_R         COUPLENESS STATUS OF INDIVIDUAL-UPDATED
    OZ023           PREV WAVE WHICH COHORT
Tracker:
    ASUBHH          1992 SUB-HOUSEHOLD IDENTIFIER
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
    DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
    ESUBHH          1996 SUB-HOUSEHOLD IDENTIFIER
    FSUBHH          1998 SUB-HOUSEHOLD IDENTIFIER
    GSUBHH          2000 SUB-HOUSEHOLD IDENTIFIER
    HHID            HOUSEHOLD IDENTIFIER
    HSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
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Marital History

Wave	Variable Name	Variable Label	Type
1	R1MRCT	R1MRCT:W1 R # marriages	Categ
2	R2MRCT	R2MRCT:W2 R # marriages	Categ
3	R3MRCT	R3MRCT:W3 R # marriages	Categ
4	R4MRCT	R4MRCT:W4 R # marriages	Categ
5	R5MRCT	R5MRCT:W5 R # marriages	Categ
6	R6MRCT	R6MRCT:W6 R # marriages	Categ
7	R7MRCT	R7MRCT:W7 R # marriages	Categ
8	R8MRCT	R8MRCT:W8 R # marriages	Categ
9	R9MRCT	R9MRCT:W9 R # marriages	Categ
10	R10MRCT	R10MRCT:W10 R # marriages	Categ
11	R11MRCT	R11MRCT:W11 R # marriages	Categ
12	R12MRCT	R12MRCT:W12 R # marriages	Categ
1	S1MRCT	S1MRCT:W1 S # marriages	Categ
2	S2MRCT	S2MRCT:W2 S # marriages	Categ
3	S3MRCT	S3MRCT:W3 S # marriages	Categ
4	S4MRCT	S4MRCT:W4 S # marriages	Categ
5	S5MRCT	S5MRCT:W5 S # marriages	Categ
6	S6MRCT	S6MRCT:W6 S # marriages	Categ
7	S7MRCT	S7MRCT:W7 S # marriages	Categ
8	S8MRCT	S8MRCT:W8 S # marriages	Categ
9	S9MRCT	S9MRCT:W9 S # marriages	Categ
10	S10MRCT	S10MRCT:W10 S # marriages	Categ
11	S11MRCT	S11MRCT:W11 S # marriages	Categ
12	S12MRCT	S12MRCT:W12 S # marriages	Categ
1	R1MNEV	R1MNEV:W1 R never married	Categ
2	R2MNEV	R2MNEV:W2 R never married	Categ
3	R3MNEV	R3MNEV:W3 R never married	Categ
4	R4MNEV	R4MNEV:W4 R never married	Categ
5	R5MNEV	R5MNEV:W5 R never married	Categ
6	R6MNEV	R6MNEV:W6 R never married	Categ
7	R7MNEV	R7MNEV:W7 R never married	Categ
8	R8MNEV	R8MNEV:W8 R never married	Categ
9	R9MNEV	R9MNEV:W9 R never married	Categ
10	R10MNEV	R10MNEV:W10 R never married	Categ
11	R11MNEV	R11MNEV:W11 R never married	Categ
12	R12MNEV	R12MNEV:W12 R never married	Categ
1	S1MNEV	S1MNEV:W1 S never married	Categ
2	S2MNEV	S2MNEV:W2 S never married	Categ
3	S3MNEV	S3MNEV:W3 S never married	Categ
4	S4MNEV	S4MNEV:W4 S never married	Categ
5	S5MNEV	S5MNEV:W5 S never married	Categ
6	S6MNEV	S6MNEV:W6 S never married	Categ
7	S7MNEV	S7MNEV:W7 S never married	Categ
8	S8MNEV	S8MNEV:W8 S never married	Categ
9	S9MNEV	S9MNEV:W9 S never married	Categ
10	S10MNEV	S10MNEV:W10 S never married	Categ
11	S11MNEV	S11MNEV:W11 S never married	Categ
12	S12MNEV	S12MNEV:W12 S never married	Categ
1	R1MDIV	R1MDIV:W1 R # times divorced	Categ
2	R2MDIV	R2MDIV:W2 R # times divorced	Categ
3	R3MDIV	R3MDIV:W3 R # times divorced	Categ
4	R4MDIV	R4MDIV:W4 R # times divorced	Categ
5	R5MDIV	R5MDIV:W5 R # times divorced	Categ
6	R6MDIV	R6MDIV:W6 R # times divorced	Categ
7	R7MDIV	R7MDIV:W7 R # times divorced	Categ
8	R8MDIV	R8MDIV:W8 R # times divorced	Categ
9	R9MDIV	R9MDIV:W9 R # times divorced	Categ
10	R10MDIV	R10MDIV:W10 R # times divorced	Categ
11	R11MDIV	R11MDIV:W11 R # times divorced	Categ
12	R12MDIV	R12MDIV:W12 R # times divorced	Categ
1	S1MDIV	S1MDIV:W1 S # times divorced	Categ

2	S2MDIV	S2MDIV:W2	S # times divorced	Categ
3	S3MDIV	S3MDIV:W3	S # times divorced	Categ
4	S4MDIV	S4MDIV:W4	S # times divorced	Categ
5	S5MDIV	S5MDIV:W5	S # times divorced	Categ
6	S6MDIV	S6MDIV:W6	S # times divorced	Categ
7	S7MDIV	S7MDIV:W7	S # times divorced	Categ
8	S8MDIV	S8MDIV:W8	S # times divorced	Categ
9	S9MDIV	S9MDIV:W9	S # times divorced	Categ
10	S10MDIV	S10MDIV:W10	S # times divorced	Categ
11	S11MDIV	S11MDIV:W11	S # times divorced	Categ
12	S12MDIV	S12MDIV:W12	S # times divorced	Categ
1	R1MWID	R1MWID:W1	R # times widowed	Categ
2	R2MWID	R2MWID:W2	R # times widowed	Categ
3	R3MWID	R3MWID:W3	R # times widowed	Categ
4	R4MWID	R4MWID:W4	R # times widowed	Categ
5	R5MWID	R5MWID:W5	R # times widowed	Categ
6	R6MWID	R6MWID:W6	R # times widowed	Categ
7	R7MWID	R7MWID:W7	R # times widowed	Categ
8	R8MWID	R8MWID:W8	R # times widowed	Categ
9	R9MWID	R9MWID:W9	R # times widowed	Categ
10	R10MWID	R10MWID:W10	R # times widowed	Categ
11	R11MWID	R11MWID:W11	R # times widowed	Categ
12	R12MWID	R12MWID:W12	R # times widowed	Categ
1	S1MWID	S1MWID:W1	S # times widowed	Categ
2	S2MWID	S2MWID:W2	S # times widowed	Categ
3	S3MWID	S3MWID:W3	S # times widowed	Categ
4	S4MWID	S4MWID:W4	S # times widowed	Categ
5	S5MWID	S5MWID:W5	S # times widowed	Categ
6	S6MWID	S6MWID:W6	S # times widowed	Categ
7	S7MWID	S7MWID:W7	S # times widowed	Categ
8	S8MWID	S8MWID:W8	S # times widowed	Categ
9	S9MWID	S9MWID:W9	S # times widowed	Categ
10	S10MWID	S10MWID:W10	S # times widowed	Categ
11	S11MWID	S11MWID:W11	S # times widowed	Categ
12	S12MWID	S12MWID:W12	S # times widowed	Categ
1	R1MEND	R1MEND:W1	R # times unknown end marriage	Categ
2	R2MEND	R2MEND:W2	R # times unknown end marriage	Categ
3	R3MEND	R3MEND:W3	R # times unknown end marriage	Categ
4	R4MEND	R4MEND:W4	R # times unknown end marriage	Categ
5	R5MEND	R5MEND:W5	R # times unknown end marriage	Categ
6	R6MEND	R6MEND:W6	R # times unknown end marriage	Categ
7	R7MEND	R7MEND:W7	R # times unknown end marriage	Categ
8	R8MEND	R8MEND:W8	R # times unknown end marriage	Categ
9	R9MEND	R9MEND:W9	R # times unknown end marriage	Categ
10	R10MEND	R10MEND:W10	R # times unknown end marriage	Categ
11	R11MEND	R11MEND:W11	R # times unknown end marriage	Categ
12	R12MEND	R12MEND:W12	R # times unknown end marriage	Categ
1	S1MEND	S1MEND:W1	S # times unknown end marriage	Categ
2	S2MEND	S2MEND:W2	S # times unknown end marriage	Categ
3	S3MEND	S3MEND:W3	S # times unknown end marriage	Categ
4	S4MEND	S4MEND:W4	S # times unknown end marriage	Categ
5	S5MEND	S5MEND:W5	S # times unknown end marriage	Categ
6	S6MEND	S6MEND:W6	S # times unknown end marriage	Categ
7	S7MEND	S7MEND:W7	S # times unknown end marriage	Categ
8	S8MEND	S8MEND:W8	S # times unknown end marriage	Categ
9	S9MEND	S9MEND:W9	S # times unknown end marriage	Categ
10	S10MEND	S10MEND:W10	S # times unknown end marriage	Categ
11	S11MEND	S11MEND:W11	S # times unknown end marriage	Categ
12	S12MEND	S12MEND:W12	S # times unknown end marriage	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MRCT	12614	1.33	0.71	0.0	13.0
R2MRCT	19574	1.30	0.68	0.0	13.0
R3MRCT	17931	1.31	0.68	0.0	13.0
R4MRCT	21323	1.32	0.69	0.0	13.0
R5MRCT	19520	1.33	0.70	0.0	13.0
R6MRCT	18107	1.34	0.71	0.0	8.0
R7MRCT	20066	1.36	0.73	0.0	8.0
R8MRCT	18409	1.37	0.75	0.0	8.0
R9MRCT	17159	1.39	0.76	0.0	8.0
R10MRCT	21955	1.36	0.78	0.0	8.0
R11MRCT	20491	1.38	0.79	0.0	8.0
R12MRCT	18688	1.39	0.80	0.0	8.0
S1MRCT	9885	1.36	0.67	0.0	8.0
S2MRCT	13041	1.33	0.64	0.0	8.0
S3MRCT	11876	1.34	0.64	0.0	7.0
S4MRCT	13942	1.35	0.66	0.0	8.0
S5MRCT	12695	1.36	0.67	0.0	8.0
S6MRCT	11601	1.39	0.70	0.0	8.0
S7MRCT	12931	1.40	0.72	0.0	8.0
S8MRCT	11698	1.42	0.73	0.0	8.0
S9MRCT	10618	1.43	0.74	0.0	8.0
S10MRCT	13469	1.43	0.74	0.0	8.0
S11MRCT	12452	1.44	0.75	0.0	7.0
S12MRCT	10996	1.45	0.76	0.0	7.0
R1MNEV	12652	0.03	0.18	0.0	1.0
R2MNEV	19642	0.03	0.17	0.0	1.0
R3MNEV	17991	0.03	0.17	0.0	1.0
R4MNEV	21381	0.03	0.18	0.0	1.0
R5MNEV	19577	0.03	0.17	0.0	1.0
R6MNEV	18164	0.03	0.17	0.0	1.0
R7MNEV	20127	0.04	0.19	0.0	1.0
R8MNEV	18467	0.03	0.18	0.0	1.0
R9MNEV	17216	0.03	0.18	0.0	1.0
R10MNEV	22032	0.06	0.23	0.0	1.0
R11MNEV	20553	0.06	0.23	0.0	1.0
R12MNEV	18747	0.06	0.23	0.0	1.0
S1MNEV	9900	0.01	0.08	0.0	1.0
S2MNEV	13088	0.00	0.07	0.0	1.0
S3MNEV	11915	0.00	0.06	0.0	1.0
S4MNEV	13978	0.01	0.07	0.0	1.0
S5MNEV	12730	0.01	0.07	0.0	1.0
S6MNEV	11639	0.00	0.06	0.0	1.0
S7MNEV	12972	0.01	0.08	0.0	1.0
S8MNEV	11735	0.01	0.08	0.0	1.0
S9MNEV	10646	0.01	0.08	0.0	1.0
S10MNEV	13513	0.02	0.13	0.0	1.0
S11MNEV	12488	0.02	0.12	0.0	1.0
S12MNEV	11031	0.02	0.13	0.0	1.0
R1MDIV	12652	0.40	0.66	0.0	4.0
R2MDIV	19642	0.25	0.56	0.0	4.0
R3MDIV	17991	0.27	0.58	0.0	5.0
R4MDIV	21384	0.31	0.62	0.0	5.0

R5MDIV	19579	0.33	0.63	0.0	5.0
R6MDIV	18165	0.35	0.65	0.0	5.0
R7MDIV	20129	0.40	0.69	0.0	5.0
R8MDIV	18469	0.41	0.70	0.0	5.0
R9MDIV	17217	0.44	0.72	0.0	5.0
R10MDIV	22034	0.49	0.75	0.0	5.0
R11MDIV	20554	0.51	0.76	0.0	6.0
R12MDIV	18748	0.52	0.78	0.0	6.0
S1MDIV	9900	0.32	0.60	0.0	4.0
S2MDIV	13088	0.21	0.51	0.0	3.0
S3MDIV	11915	0.23	0.52	0.0	4.0
S4MDIV	13978	0.26	0.56	0.0	5.0
S5MDIV	12730	0.27	0.57	0.0	5.0
S6MDIV	11639	0.29	0.59	0.0	5.0
S7MDIV	12972	0.34	0.63	0.0	5.0
S8MDIV	11735	0.35	0.65	0.0	5.0
S9MDIV	10646	0.37	0.67	0.0	5.0
S10MDIV	13513	0.41	0.69	0.0	5.0
S11MDIV	12488	0.43	0.70	0.0	5.0
S12MDIV	11031	0.44	0.71	0.0	5.0
R1MWID	12652	0.09	0.30	0.0	3.0
R2MWID	19642	0.22	0.42	0.0	3.0
R3MWID	17991	0.23	0.43	0.0	3.0
R4MWID	21384	0.24	0.44	0.0	3.0
R5MWID	19579	0.25	0.45	0.0	3.0
R6MWID	18165	0.27	0.46	0.0	3.0
R7MWID	20129	0.25	0.45	0.0	3.0
R8MWID	18469	0.26	0.47	0.0	3.0
R9MWID	17217	0.28	0.48	0.0	3.0
R10MWID	22034	0.22	0.44	0.0	3.0
R11MWID	20554	0.23	0.45	0.0	4.0
R12MWID	18748	0.25	0.47	0.0	4.0
S1MWID	9900	0.05	0.22	0.0	3.0
S2MWID	13088	0.03	0.18	0.0	2.0
S3MWID	11915	0.04	0.20	0.0	2.0
S4MWID	13978	0.05	0.22	0.0	3.0
S5MWID	12730	0.05	0.23	0.0	2.0
S6MWID	11639	0.06	0.26	0.0	3.0
S7MWID	12972	0.06	0.25	0.0	3.0
S8MWID	11735	0.07	0.27	0.0	3.0
S9MWID	10646	0.07	0.28	0.0	3.0
S10MWID	13513	0.06	0.26	0.0	3.0
S11MWID	12488	0.07	0.27	0.0	3.0
S12MWID	11031	0.07	0.26	0.0	3.0
R1MEND	12614	0.02	0.20	0.0	10.0
R2MEND	19574	0.13	0.42	0.0	10.0
R3MEND	17931	0.12	0.40	0.0	10.0
R4MEND	21323	0.09	0.36	0.0	10.0
R5MEND	19520	0.09	0.35	0.0	10.0
R6MEND	18107	0.08	0.32	0.0	5.0
R7MEND	20066	0.06	0.29	0.0	5.0
R8MEND	18409	0.06	0.28	0.0	5.0
R9MEND	17159	0.05	0.27	0.0	5.0
R10MEND	21955	0.03	0.21	0.0	5.0
R11MEND	20491	0.03	0.21	0.0	5.0

R12MEND	18688	0.03	0.20	0.0	5.0
S1MEND	9885	0.02	0.18	0.0	6.0
S2MEND	13041	0.11	0.38	0.0	6.0
S3MEND	11876	0.10	0.36	0.0	6.0
S4MEND	13942	0.07	0.31	0.0	4.0
S5MEND	12695	0.07	0.29	0.0	3.0
S6MEND	11601	0.06	0.28	0.0	4.0
S7MEND	12931	0.05	0.25	0.0	5.0
S8MEND	11698	0.04	0.23	0.0	4.0
S9MEND	10618	0.04	0.22	0.0	4.0
S10MEND	13469	0.02	0.17	0.0	4.0
S11MEND	12452	0.02	0.16	0.0	4.0
S12MEND	10996	0.02	0.16	0.0	4.0

Categorical Variable Codes

Value	R1MRCT	R2MRCT	R3MRCT	R4MRCT	R5MRCT	R6MRCT	R7MRCT
.D=DK				1	2	2	3
.M=Oth missing	5	16	12	13	11	11	17
.R=RF	33	52	48	47	46	45	43
0	428	617	527	691	605	534	722
1	8638	13810	12579	14821	13501	12386	13324
2	2814	4105	3822	4539	4207	4007	4588
3	567	811	786	1003	945	902	1087
4	112	181	171	222	213	224	287
5	42	37	32	33	37	43	45
6	8	8	9	7	8	6	7
7	3	3	4	4	2	3	4
8	1	1		2	1	2	2
13	1	1	1	1	1		

Value	R8MRCT	R9MRCT	R10MRCT	R11MRCT	R12MRCT
.D=DK	3	2	3	2	2
.M=Oth missing	17	17	35	31	30
.R=RF	40	39	41	30	28
0	625	569	1270	1166	1059
1	12162	11200	13771	12706	11477
2	4206	4004	5100	4827	4439
3	1073	1048	1408	1391	1329
4	289	284	355	352	328
5	41	41	40	36	43
6	7	7	7	9	9
7	4	4	3	3	3
8	2	2	1	1	1

Value	S1MRCT	S2MRCT	S3MRCT	S4MRCT	S5MRCT	S6MRCT	S7MRCT
.D=DK				1	2	2	2
.M=Oth missing		6	5	4	4	4	10
.R=RF	15	41	34	31	29	32	29
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0	63	63	44	73	65	45	90
1	6992	9477	8583	10003	9026	8098	8823
2	2246	2793	2580	3014	2782	2643	3040
3	451	560	526	671	643	617	733
4	91	114	112	147	146	160	203
5	34	26	25	26	26	30	32
6	5	5	4	4	4	3	4
7	2	2	2	2	2	3	4
8	1	1		2	1	2	2

Value	S8MRCT	S9MRCT	S10MRCT	S11MRCT	S12MRCT
.D=DK	2	2	1	2	1
.M=Oth missing	9	3	18	15	15
.R=RF	26	23	25	19	19
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0	80	69	217	197	180
1	7922	7068	8735	8012	7033
2	2741	2566	3326	3088	2713
3	710	682	927	904	840
4	207	197	236	223	200
5	29	29	22	22	24
6	4	3	3	5	5
7	3	3	2	1	1
8	2	1	1		

Value	R1MNEV	R2MNEV	R3MNEV	R4MNEV	R5MNEV	R6MNEV	R7MNEV
.N=No mars,likely nev mar				3	2	1	2
0.Ever married	12224	19025	17464	20690	18972	17630	19405
1.Never married	428	617	527	691	605	534	722

Value	R8MNEV	R9MNEV	R10MNEV	R11MNEV	R12MNEV
.N=No mars,likely nev mar	2	1	2	1	1
0.Ever married	17842	16647	20762	19387	17688
1.Never married	625	569	1270	1166	1059

Value	S1MNEV	S2MNEV	S3MNEV	S4MNEV	S5MNEV	S6MNEV	S7MNEV
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.Ever married	9837	13025	11871	13905	12665	11594	12882
1.Never married	63	63	44	73	65	45	90

Value	S8MNEV	S9MNEV	S10MNEV	S11MNEV	S12MNEV
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Ever married	11655	10577	13296	12291	10851
1.Never married	80	69	217	197	180

Value	R1MDIV	R2MDIV	R3MDIV	R4MDIV	R5MDIV	R6MDIV	R7MDIV
0	8688	15756	14180	16148	14582	13282	14033
1	3107	3058	3000	4061	3872	3736	4540
2	672	644	634	927	891	909	1224
3	167	161	157	217	200	203	291
4	18	23	17	28	31	32	38
5			3	3	3	3	3

Value	R8MDIV	R9MDIV	R10MDIV	R11MDIV	R12MDIV
0	12710	11627	14087	12914	11607
1	4240	4065	5734	5432	5038
2	1187	1193	1733	1712	1620
3	291	285	415	424	405
4	38	44	62	68	74
5	3	3	3	3	3
6				1	1

Value	S1MDIV	S2MDIV	S3MDIV	S4MDIV	S5MDIV	S6MDIV	S7MDIV
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0	7335	10802	9707	11052	9923	8914	9565
1	2065	1846	1800	2339	2243	2152	2630
2	397	354	326	476	456	456	610
3	102	86	81	104	100	106	154
4	1		1	5	6	9	11
5				2	2	2	2

Value	S8MDIV	S9MDIV	S10MDIV	S11MDIV	S12MDIV
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0	8571	7638	9265	8461	7425
1	2398	2249	3156	2975	2633
2	604	598	877	840	774
3	149	146	196	190	173
4	11	13	17	21	25
5	2	2	2	1	1

Value	R1MWID	R2MWID	R3MWID	R4MWID	R5MWID	R6MWID	R7MWID
0	11516	15416	13875	16420	14728	13383	15355
1	1098	4176	4055	4840	4716	4628	4608
2	37	49	59	119	130	149	158
3	1	1	2	5	5	5	8

Value	R8MWID	R9MWID	R10MWID	R11MWID	R12MWID
0	13808	12688	17380	16049	14425
1	4460	4323	4424	4260	4064
2	189	194	216	228	239
3	12	12	14	16	19
4				1	1

Value	S1MWID	S2MWID	S3MWID	S4MWID	S5MWID	S6MWID	S7MWID
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0	9456	12676	11485	13327	12077	10925	12198
1	429	398	415	632	631	683	738
2	14	14	15	18	22	30	35
3	1			1		1	1

Value	S8MWID	S9MWID	S10MWID	S11MWID	S12MWID
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0	10961	9910	12695	11697	10337
1	726	696	776	746	656
2	46	38	39	41	35
3	2	2	3	4	3

Value	R1MEND	R2MEND	R3MEND	R4MEND	R5MEND	R6MEND	R7MEND
.M=Oth missing	38	68	60	61	59	58	63
0	12372	17490	16126	19679	18078	16884	18980
1	217	1709	1485	1351	1198	1027	916
2	17	302	262	244	204	167	144
3	2	68	54	44	37	25	22
4	2	2	1	2	1	3	3
5	2	1	1	1	1	1	1
6	1	1	1	1			
10	1	1	1	1	1		

Value	R8MEND	R9MEND	R10MEND	R11MEND	R12MEND
.M=Oth missing	60	58	79	63	60
0	17503	16374	21308	19933	18203
1	763	662	550	472	415
2	123	105	86	74	61
3	16	15	9	10	7
4	3	2	1	1	1
5	1	1	1	1	1

Value	S1MEND	S2MEND	S3MEND	S4MEND	S5MEND	S6MEND	S7MEND
.M=Oth missing	15	47	39	36	35	38	41
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0	9692	11890	10918	13100	11984	11011	12434
1	177	946	786	695	591	497	422
2	11	166	147	127	103	82	64
3	1	36	22	19	17	8	7
4	2	1	1	1		3	3
5	1	1	1				1
6	1	1	1				

Value	S8MEND	S9MEND	S10MEND	S11MEND	S12MEND
.M=Oth missing	37	28	44	36	35
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0	11303	10282	13201	12225	10790
1	336	290	239	205	187
2	50	38	25	19	16
3	6	7	3	2	2
4	3	1	1	1	1

How Constructed

RwMRCT reports the number of times a Respondent has been married. It is pulled from the marriage history information and assigned at the first wave the Respondent enters the HRS. The marriage history information provides number of marriages, including the current one. After the first wave, the number of marriages changes if the Respondent reports a marriage beginning between waves or if a change in marital status indicates that one has begun. Additionally, if the Respondent is married in 2 consecutive waves but to different spouses, a marriage is added for the new spouse.

Please note that the maximum number of marriages an individual can report at the first interview varies. If the first interview is Wave 1, there is no maximum; at most, 15 marriages are reported. In Wave 2H the maximum is 15. For all other waves the maximum allowed is 4.

RwMNEV indicates if the Respondent has never been married. If the Respondent reports having an ever-married status but later reports being never-married, he/she remains ever-married, i.e, RwMNEV=0 for the later wave. From Wave 7 and forward, some cases report marital status as annulled, which is treated as never married.

For ever-married Respondents, three additional variables are deived: RwMDIV counts the number of divorces the Respondent has reported; RwMWID counts the number of times the Respondent reports being widowed; and RwMEND counts the number of ended marriages where the ending status (divorce or widowhood) is unknown.

The derivation for number of times marriages end for each of these three variables begins with the individual's marriage history at the first interview to which he/she responds. The number of divorces and widowhoods are counted as well as the number of remaining marriages that ended for which the end status is unknown. At subsequent interviews, RwMDIV and RwMWID counts are increased if a Respondent's marital status changes from married or separated to divorced or widowed, respectively. Similarly, RwMDIV, RwMWID, and RwMEND counts are increased, respectively, if a divorce, widowhood, or any marriage end with an unknown status is reported as occurring between interviews.

Spouse marital and mortality statuses are used to help fill missing or ambiguous marriage ends. Partners living together are treated as having an unmarried or separated status.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwMRCT, RwMNEV, RwMDIV, RwMWID, and RwMEND. These spouse variables are set to .U if the Respondent is unmarried or unpartnered and are set to .V if the Respondent's spouse or partner did not respond in a given wave.

Cross Wave Differences in Original HRS Data

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages.

From Wave 2H forward for the HRS sample and for the AHEAD sample from Wave 3A forward, a change from unmarried to married status or vice versa since the last interview triggers questions about whether a marriage has begun or ended since the last interview. If any marital events between interviews are reported, the month and year of each is collected.

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H, Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask the number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended.

The skip pattern and amount of marital history information gathered varies from wave to wave. In Wave 1, data are collected on 3 past marriages, and the current or most recent marriage. For new Respondents in Wave 2H, data are collected only about the first marriage. For new Respondents in Wave 3H, data are collected on the first and most recent marriages. In Waves 4 and 5, new Respondents are asked about 3 past marriages and the current marriage. In Wave 6, new Respondents are asked about 3 past marriages. In Wave 6, an apparent skip pattern problem occurred so that the current marriage data are not collected for new Respondents who are married. This was corrected in Wave 7.

In Wave 1, partnered Respondents are asked the timing of their most recent marriage, but not how it ended. For other unmarried Respondents, the current marital status reveals how the most recent marriage ended. The ending status of up to 3 past marriages is asked. There is no maximum for the number of marriages the Respondent can report, though no more than 15 marriages are reported. If the Respondent reports more than 4 marriages, the specific ending status of additional marriages is unknown.

Except for overlap cases, the first interview for AHEAD sample members is Wave 2A. Here Respondents can report a maximum of 4 marriages (meaning 4 or more), and are asked about their current, or most recent marriage (if currently living with someone). There are some issues with the questions in this section. First, the "year married" question, which follows the marital status question, presumably is referring to the Respondent's current spouse. However, at least a couple of people may have misunderstood the question. When we compared the marriage beginning dates reported by overlap cases in HRS W1 and AHEAD W1, we found that four people, all of whom had multiple marriages, gave dates that corresponded to previous marriages. Second, Respondents who report "living with someone" are then asked if they have ever been married, and if so, what year that marriage ended. The problem with this sequence of questions is that a person can be married more than one time, in which case we assume that they are reporting on the most recent marriage.

For new Respondents in Wave 2H, the Respondent can report a maximum of 15 marriages. Current marital status reveals the way the most recent marriage ended. Marital history asks only how the first marriage ended, if the Respondent has more than one marriage. If the Respondent reports more than 2 marriages, the way the additional marriages ended is unknown.

For Waves 3A and 3H, new Respondents can report being married a maximum of 4 times. They are asked how the first and most recent marriages ended, if ever married. If the Respondent reports more than 2 marriages, the way the additional marriages ended is unknown.

From Wave 4 forward, new Respondents can report being married a maximum of 4 times. They are asked how the first three, and most recent, marriages ended, if ever married, for a total of up to 4 marriage end statuses. In Wave 6, because of a question skip problem, the fourth marriage information was not collected. The way the most recent marriage ended can be taken from current marital status.

HRS Variables Used

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HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
    V228            A10B:EVER BEEN MARRIED
    V229            A10C:# OF TIMES MARRIED
    V232            A10E:LAST MARR END-MO
    V233            A10E:LAST MARR END-YEAR
    V234            CKPT:TIMES BEEN MARRIED
    V239            A11:1ST MARRIAGE
    V240            A12:TOTAL TIMES MARRIED
    V242            A14:MAR1:DVRCD/WDOWD/OTH
    V245            A14:MAR2:DVRCD/WDOWD/OTH
    V248            A14:MAR3:DVRCD/WDOWD/OTH
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
    B158            A11c. LIVE TGHR: EVER MARRIED
    B160            A11e. LIVE TGHR: DIVORCED OR WIDOWED
    B162            A11g. DIV/WID: YEAR DIV/WID MOST RECENT
    B166            A13. # OF MARRIAGES EVER
HRS 1994:
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    W200            A1. Marital Status
    W201            A2. Marriage Start After
    W202            A3. Marriage Month
    W203            A3. Marriage Year
    W204            A4. Divorced/Widowed Since
    W205            A5. Divorced/Widowed-Month
    W206            A5. Divorced/Widowed-Year
    W207            A6. Ever Been Married?
    W208            A7. Number of Times Married
    W210            A9. Marriage End Divorce/Widow
AHEAD 1995:
    D226            CS4.R SAME SP/P
    D227            CS5.SP/P ALIVE
    D228            CS6.MO/YR SEPARATE/DIE
    D229            CS6A.YEAR SEPARATE/DIE
    D240            CS11.R-WHERE LIVE
    D241            CS12.COUPLE LIVE TOGETHER
    D247            CS15.MO/YR ST LIVE W/NEW SP/P
    D248            CS15A.YEAR ST LIVE W/NEW SP/P
    D676            A21.L-EVER MARRIED
    D677            A21A.# MARRIAGES
    D680            A22B.FIRST MAR-END DIV/WID
    D684            A23B.RECENT MAR-END DIV/WID
    D739            A40.POST W1 MARRIAGE START
    D741            A40A.POST W1 MARRIAGE MO
    D742            A40C.YEAR
    D746            A41.POST W1 DIV/SWIDOWED
    D747            A41A.POST W1 DIV/WIDOW MOR
    D748            A41B.YEAR
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E226            CS4.R SAME SP/P
    E227            CS5.SP/P ALIVE
    E228            CS6.MO/YR SEPARATE/DIE
    E229            CS6A.YEAR SEPARATE/DIE
    E247            CS15.MO/YR ST LIVE W/NEW SP/P
    E248            CS15A.YEAR ST LIVE W/NEW SP/P
    E256A           MARRIAGE STATUS - CORRECTED
    E676            A21.L-EVER MARRIED
    E677            A21A.# MARRIAGES
    E680            A22B.FIRST MAR-END DIV/WID
    E684            A23B.RECENT MAR-END DIV/WID
    E739            A40.POST W1 MARRIAGE START
    E741            A40A.POST W1 MARRIAGE MO
    E742            A40C.YEAR
    E746            A41.POST W1 DIV/SWIDOWED
    E747            A41A.POST W1 DIV/WIDOW MOR
    E748            A41B.YEAR
    E750            A42.FIRST MARRIAGE ENDED
HRS 1998:
    F1059           A40.POST W1 MARRIAGE START
    F1061           A40A.POST W1 MARRIAGE MO
    F1062           A40C.YEAR
    F1066           A41.POST W1 DIV/WIDOWED
    F1067           A41A.POST W1 DIV/WIDOW MOR
    F1068           A41B.YEAR
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F1072           A44.# MARRIAGES
    F1073           A45.FIRST MAR-YR BEGIN
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    F1074           A45A.FIRST MAR-MON BEGIN
    F1075           A45B.FIRST MAR-END DIV/WID
    F1079           A46B.SECOND MAR-END DIV/WID
    F1083           A47B.THIRD MAR-END DIV/WID
    F1087           A48B.RECENT MAR-END DIV/WID
    F502            CS4.1ST R SAME SPOUSE/P
    F504            CS5.PRELOAD SPOUSE/P ALIVE
    F506            CS6A.YEAR SEPARATE/DIE
    F526            CS15MO./YR S/P START LIVE TOGETHER
    F527            CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2000:
    G1146           A40.POST W1 MARRIAGE START
    G1148           A40A.POST W1 MARRIAGE MO
    G1149           A40C.YEAR
    G1153           A41.POST W1 DIV/WIDOWED
    G1154           A41A.POST W1 DIV/WIDOW MOR
    G1155           A41B.YEAR
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G1159           A44.# MARRIAGES
    G1160           A45.FIRST MAR-YR BEGIN
    G1161           A45A.FIRST MAR-MON BEGIN
    G1162           A45B.FIRST MAR-END DIV/WID
    G1166           A46B.SECOND MAR-END DIV/WID
    G1170           A47B.THIRD MAR-END DIV/WID
    G1174           A48B.RECENT MAR-END DIV/WID
    G543            CS4.1ST R SAME SPOUSE/P
    G545            CS5.PRELOAD SPOUSE/P ALIVE
    G547            CS6A.YEAR SEPARATE/DIE
    G567            CS15MO./YR S/P START LIVE TOGETHER
    G568            CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2002:
    HA020           1ST R SAME SP/P
    HA023           PREVIOUS WAVE SP/P ALIVE
    HA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    HA036           MO STARTED LIVING WITH NEW SP/P
    HA037           YEAR STARTED LIVING WITH NEW SP/P
    HB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    HB056           BETWEEN WAVE MARRIAGE START-MONTH
    HB057           BETWEEN WAVE MARRIAGE START-YEAR
    HB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    HB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    HB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    HB065           NUMBER OF MARRIAGES
    HB066_1         FIRST MARRIAGE YEAR BEGAN
    HB067_1         FIRST MARRIAGE MONTH BEGAN
    HB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    HB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    HB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    HMARITAL        MARITAL STATUS
    HPN_SP          2002 SPOUSE/PARTNER PERSON NUMBER
    HSUBHH          HRS 2002 SUB-HOUSEHOLD ID (Char)
HRS 2004:
    JA020           1ST R SAME SP/P
    JA023           PREVIOUS WAVE SP/P ALIVE
    JA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    JA036           MO STARTED LIVING WITH NEW SP/P
    JA037           YEAR STARTED LIVING WITH NEW SP/P
    JB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    JB056           BETWEEN WAVE MARRIAGE START-MONTH
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    JB057           BETWEEN WAVE MARRIAGE START-YEAR
    JB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    JB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    JB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    JB065           NUMBER OF MARRIAGES
    JB066_1         FIRST MARRIAGE YEAR BEGAN
    JB067_1         FIRST MARRIAGE MONTH BEGAN
    JB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    JB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    JB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    JPN_SP          2004 SPOUSE/PARTNER PERSON NUMBER
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
HRS 2006:
    KA020           1ST R SAME SP/P
    KA023           PREVIOUS WAVE SP/P ALIVE
    KA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    KA036           MO STARTED LIVING WITH NEW SP/P
    KA037           YEAR STARTED LIVING WITH NEW SP/P
    KB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    KB056           BETWEEN WAVE MARRIAGE START-MONTH
    KB057           BETWEEN WAVE MARRIAGE START-YEAR
    KB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    KB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    KB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    KB065           NUMBER OF MARRIAGES
    KB066_1         FIRST MARRIAGE YEAR BEGAN
    KB067_1         FIRST MARRIAGE MONTH BEGAN
    KB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    KB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    KB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    KPN_SP          2006 SPOUSE/PARTNER PERSON NUMBER
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
HRS 2008:
    LA020           1ST R SAME SP/P
    LA023           PREVIOUS WAVE SP/P ALIVE
    LA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    LA036           MO STARTED LIVING WITH NEW SP/P
    LA037           YEAR STARTED LIVING WITH NEW SP/P
    LB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    LB056           BETWEEN WAVE MARRIAGE START-MONTH
    LB057           BETWEEN WAVE MARRIAGE START-YEAR
    LB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    LB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    LB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    LB065           NUMBER OF MARRIAGES
    LB066_1         FIRST MARRIAGE YEAR BEGAN
    LB067_1         FIRST MARRIAGE MONTH BEGAN
    LB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    LB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    LB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    LPN_SP          2008 SPOUSE/PARTNER PERSON NUMBER
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
HRS 2010:
    MA020           1ST R SAME SP/P
    MA023           PREVIOUS WAVE SP/P ALIVE
    MA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    MA036           MO STARTED LIVING WITH NEW SP/P
    MA037           YEAR STARTED LIVING WITH NEW SP/P
    MB055           NEW MARRIAGE SINCE PREVIOUS WAVE
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    MB056           BETWEEN WAVE MARRIAGE START-MONTH
    MB057           BETWEEN WAVE MARRIAGE START-YEAR
    MB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    MB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    MB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    MB065           NUMBER OF MARRIAGES
    MB066_1         FIRST MARRIAGE YEAR BEGAN
    MB067_1         FIRST MARRIAGE MONTH BEGAN
    MB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    MB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    MB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    MPN_SP          2010 SPOUSE/PARTNER PERSON NUMBER
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
HRS 2012:
    NA020           1ST R SAME SP/P
    NA023           PREVIOUS WAVE SP/P ALIVE
    NA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    NA036           MO STARTED LIVING WITH NEW SP/P
    NA037           YEAR STARTED LIVING WITH NEW SP/P
    NB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    NB056           BETWEEN WAVE MARRIAGE START-MONTH
    NB057           BETWEEN WAVE MARRIAGE START-YEAR
    NB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    NB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    NB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    NB065           NUMBER OF MARRIAGES
    NB066_1         FIRST MARRIAGE YEAR BEGAN
    NB067_1         FIRST MARRIAGE MONTH BEGAN
    NB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    NB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    NB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    NPN_SP          2012 SPOUSE/PARTNER PERSON NUMBER
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
HRS 2014:
    OA020           1ST R SAME SP/P
    OA023           PREVIOUS WAVE SP/P ALIVE
    OA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    OA036           MO STARTED LIVING WITH NEW SP/P
    OA037           YEAR STARTED LIVING WITH NEW SP/P
    OB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    OB056           BETWEEN WAVE MARRIAGE START-MONTH
    OB057           BETWEEN WAVE MARRIAGE START-YEAR
    OB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    OB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    OB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    OB065           NUMBER OF MARRIAGES
    OB066_1         FIRST MARRIAGE YEAR BEGAN
    OB067_1         FIRST MARRIAGE MONTH BEGAN
    OB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    OB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    OB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    OPN_SP          2014 SPOUSE/PARTNER PERSON NUMBER
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
Tracker:
    AALIVE          1992 VITAL STATUS
    AIWTYPE         1992 INTERVIEW TYPE
    APPN            1992 SPOUSE-PARTNER PERSON NUMBER
    CALIVE          1994 VITAL STATUS
    CIWTYPE         1994 INTERVIEW TYPE
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CPPN            1994 SPOUSE-PARTNER PERSON NUMBER
DALIVE          1995 VITAL STATUS
DIWTYPE         1995 INTERVIEW TYPE
DPPN            1995 SPOUSE-PARTNER PERSON NUMBER
EALIVE          1996 VITAL STATUS
EIWTYPE         1996 INTERVIEW TYPE
EPPN            1996 SPOUSE-PARTNER PERSON NUMBER
FALIVE          1998 VITAL STATUS
FIWTYPE         1998 INTERVIEW TYPE
FPPN            1998 SPOUSE-PARTNER PERSON NUMBER
GALIVE          2000 VITAL STATUS
GIWTYPE         2000 INTERVIEW TYPE
GPPN            2000 SPOUSE-PARTNER PERSON NUMBER
HALIVE          2002 VITAL STATUS
HIWTYPE         2002 INTERVIEW TYPE
HPPN            2002 SPOUSE-PARTNER PERSON NUMBER
JALIVE          2004 VITAL STATUS
JIWTYPE         2004 INTERVIEW TYPE
JPPN            2004 SPOUSE-PARTNER PERSON NUMBER
KALIVE          2006 VITAL STATUS
KIWTYPE         2006 INTERVIEW TYPE
KPPN            2006 SPOUSE-PARTNER PERSON NUMBER
LALIVE          2008 VITAL STATUS
LIWTYPE         2008 INTERVIEW TYPE
LPPN            2008 SPOUSE-PARTNER PERSON NUMBER
MALIVE          2010 VITAL STATUS
MIWTYPE         2010 INTERVIEW TYPE
MPPN            2010 SPOUSE-PARTNER PERSON NUMBER
NALIVE          2012 VITAL STATUS
NIWTYPE         2012 INTERVIEW TYPE
NPPN            2012 SPOUSE-PARTNER PERSON NUMBER
OALIVE          2014 VITAL STATUS
OIWTYPE         2014 INTERVIEW TYPE
OPPN            2014 SPOUSE-PARTNER PERSON NUMBER
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Length of current and longest marriage

Wave	Variable Name	Variable Label	Type
1	R1MCURLN	R1MCURLN:W1 R length of current marriage	Cont
2	R2MCURLN	R2MCURLN:W2 R length of current marriage	Cont
3	R3MCURLN	R3MCURLN:W3 R length of current marriage	Cont
4	R4MCURLN	R4MCURLN:W4 R length of current marriage	Cont
5	R5MCURLN	R5MCURLN:W5 R length of current marriage	Cont
6	R6MCURLN	R6MCURLN:W6 R length of current marriage	Cont
7	R7MCURLN	R7MCURLN:W7 R length of current marriage	Cont
8	R8MCURLN	R8MCURLN:W8 R length of current marriage	Cont
9	R9MCURLN	R9MCURLN:W9 R length of current marriage	Cont
10	R10MCURLN	R10MCURLN:W10 R length of current marriage	Cont
11	R11MCURLN	R11MCURLN:W11 R length of current marriage	Cont
12	R12MCURLN	R12MCURLN:W12 R length of current marriage	Cont
1	S1MCURLN	S1MCURLN:W1 S length of current marriage	Cont
2	S2MCURLN	S2MCURLN:W2 S length of current marriage	Cont
3	S3MCURLN	S3MCURLN:W3 S length of current marriage	Cont
4	S4MCURLN	S4MCURLN:W4 S length of current marriage	Cont
5	S5MCURLN	S5MCURLN:W5 S length of current marriage	Cont
6	S6MCURLN	S6MCURLN:W6 S length of current marriage	Cont
7	S7MCURLN	S7MCURLN:W7 S length of current marriage	Cont
8	S8MCURLN	S8MCURLN:W8 S length of current marriage	Cont
9	S9MCURLN	S9MCURLN:W9 S length of current marriage	Cont
10	S10MCURLN	S10MCURLN:W10 S length of current marriage	Cont
11	S11MCURLN	S11MCURLN:W11 S length of current marriage	Cont
12	S12MCURLN	S12MCURLN:W12 S length of current marriage	Cont
1	R1MLEN	R1MLEN:W1 R length of longest marriage	Cont
2	R2MLEN	R2MLEN:W2 R length of longest marriage	Cont
3	R3MLEN	R3MLEN:W3 R length of longest marriage	Cont
4	R4MLEN	R4MLEN:W4 R length of longest marriage	Cont
5	R5MLEN	R5MLEN:W5 R length of longest marriage	Cont
6	R6MLEN	R6MLEN:W6 R length of longest marriage	Cont
7	R7MLEN	R7MLEN:W7 R length of longest marriage	Cont
8	R8MLEN	R8MLEN:W8 R length of longest marriage	Cont
9	R9MLEN	R9MLEN:W9 R length of longest marriage	Cont
10	R10MLEN	R10MLEN:W10 R length of longest marriage	Cont
11	R11MLEN	R11MLEN:W11 R length of longest marriage	Cont
12	R12MLEN	R12MLEN:W12 R length of longest marriage	Cont
1	S1MLEN	S1MLEN:W1 S length of longest marriage	Cont
2	S2MLEN	S2MLEN:W2 S length of longest marriage	Cont
3	S3MLEN	S3MLEN:W3 S length of longest marriage	Cont
4	S4MLEN	S4MLEN:W4 S length of longest marriage	Cont
5	S5MLEN	S5MLEN:W5 S length of longest marriage	Cont
6	S6MLEN	S6MLEN:W6 S length of longest marriage	Cont
7	S7MLEN	S7MLEN:W7 S length of longest marriage	Cont
8	S8MLEN	S8MLEN:W8 S length of longest marriage	Cont
9	S9MLEN	S9MLEN:W9 S length of longest marriage	Cont
10	S10MLEN	S10MLEN:W10 S length of longest marriage	Cont
11	S11MLEN	S11MLEN:W11 S length of longest marriage	Cont
12	S12MLEN	S12MLEN:W12 S length of longest marriage	Cont
1	R1MLENM	R1MLENM:W1 R # marriage lengths missng	Cont
2	R2MLENM	R2MLENM:W2 R # marriage lengths missng	Cont
3	R3MLENM	R3MLENM:W3 R # marriage lengths missng	Cont
4	R4MLENM	R4MLENM:W4 R # marriage lengths missng	Cont
5	R5MLENM	R5MLENM:W5 R # marriage lengths missng	Cont
6	R6MLENM	R6MLENM:W6 R # marriage lengths missng	Cont
7	R7MLENM	R7MLENM:W7 R # marriage lengths missng	Cont
8	R8MLENM	R8MLENM:W8 R # marriage lengths missng	Cont
9	R9MLENM	R9MLENM:W9 R # marriage lengths missng	Cont
10	R10MLENM	R10MLENM:W10 R # marriage lengths missng	Cont
11	R11MLENM	R11MLENM:W11 R # marriage lengths missng	Cont
12	R12MLENM	R12MLENM:W12 R # marriage lengths missng	Cont
1	S1MLENM	S1MLENM:W1 S # marriage lengths missng	Cont

2	S2MLENM	S2MLENM:W2 S # marriage lengths missng	Cont
3	S3MLENM	S3MLENM:W3 S # marriage lengths missng	Cont
4	S4MLENM	S4MLENM:W4 S # marriage lengths missng	Cont
5	S5MLENM	S5MLENM:W5 S # marriage lengths missng	Cont
6	S6MLENM	S6MLENM:W6 S # marriage lengths missng	Cont
7	S7MLENM	S7MLENM:W7 S # marriage lengths missng	Cont
8	S8MLENM	S8MLENM:W8 S # marriage lengths missng	Cont
9	S9MLENM	S9MLENM:W9 S # marriage lengths missng	Cont
10	S10MLENM	S10MLENM:W10 S # marriage lengths missng	Cont
11	S11MLENM	S11MLENM:W11 S # marriage lengths missng	Cont
12	S12MLENM	S12MLENM:W12 S # marriage lengths missng	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MCURLN	10211	27.47	11.10	0.0	53.2
R2MCURLN	13550	34.50	14.65	0.1	77.0
R3MCURLN	12216	35.50	14.70	0.0	75.3
R4MCURLN	14234	35.16	14.97	0.0	74.4
R5MCURLN	12717	36.00	15.13	0.0	75.2
R6MCURLN	11422	36.99	15.36	0.0	74.7
R7MCURLN	12775	34.86	16.02	0.0	76.2
R8MCURLN	11455	36.02	16.30	0.0	76.2
R9MCURLN	10426	36.84	16.46	0.0	78.4
R10MCURLN	13285	33.15	16.76	0.0	75.3
R11MCURLN	12048	34.07	16.87	0.0	76.5
R12MCURLN	10680	34.67	16.91	0.0	78.9
S1MCURLN	9556	27.51	11.08	0.0	53.2
S2MCURLN	12708	34.60	14.57	0.1	77.0
S3MCURLN	11599	35.75	14.55	0.0	75.3
S4MCURLN	13465	35.37	14.90	0.0	74.4
S5MCURLN	12233	36.18	15.01	0.0	75.2
S6MCURLN	11044	37.18	15.25	0.0	74.7
S7MCURLN	12206	35.21	15.90	0.0	76.2
S8MCURLN	10991	36.30	16.19	0.0	73.5
S9MCURLN	9928	37.23	16.29	0.0	72.7
S10MCURLN	12295	33.70	16.75	0.0	75.3
S11MCURLN	11234	34.54	16.82	0.0	76.5
S12MCURLN	9883	35.25	16.83	0.0	78.9
R1MLEN	12652	26.31	11.11	0.0	53.2
R2MLEN	19642	32.31	15.73	0.0	79.0
R3MLEN	17991	33.33	15.79	0.0	79.0
R4MLEN	21384	33.03	15.92	0.0	79.0
R5MLEN	19579	33.86	16.03	0.0	77.0
R6MLEN	18165	34.53	16.32	0.0	77.0
R7MLEN	20129	32.59	16.85	0.0	76.2
R8MLEN	18469	33.48	17.12	0.0	78.3
R9MLEN	17217	34.08	17.35	0.0	78.4
R10MLEN	22034	29.76	17.94	0.0	80.8
R11MLEN	20554	30.24	18.19	0.0	76.5
R12MLEN	18748	30.55	18.34	0.0	78.9
S1MLEN	9900	28.51	9.58	0.0	53.2
S2MLEN	13088	34.86	13.83	0.0	77.0
S3MLEN	11915	36.16	13.65	0.0	75.3

S4MLEN	13978	35.84	13.84	0.0	74.4
S5MLEN	12730	36.70	13.87	0.0	75.2
S6MLEN	11639	37.57	14.17	0.0	74.7
S7MLEN	12972	35.50	15.03	0.0	76.2
S8MLEN	11735	36.57	15.32	0.0	73.5
S9MLEN	10646	37.41	15.45	0.0	72.7
S10MLEN	13513	33.18	16.48	0.0	75.3
S11MLEN	12488	33.73	16.70	0.0	76.5
S12MLEN	11031	34.16	16.87	0.0	78.9
R1MLENM	12652	0.04	0.26	0.0	11.0
R2MLENM	19642	0.15	0.44	0.0	11.0
R3MLENM	17991	0.14	0.43	0.0	11.0
R4MLENM	21384	0.11	0.38	0.0	11.0
R5MLENM	19579	0.10	0.37	0.0	11.0
R6MLENM	18165	0.10	0.36	0.0	5.0
R7MLENM	20129	0.08	0.33	0.0	5.0
R8MLENM	18469	0.08	0.32	0.0	5.0
R9MLENM	17217	0.08	0.32	0.0	5.0
R10MLENM	22034	0.06	0.27	0.0	5.0
R11MLENM	20554	0.06	0.27	0.0	5.0
R12MLENM	18748	0.06	0.27	0.0	5.0
S1MLENM	9900	0.03	0.21	0.0	6.0
S2MLENM	13088	0.11	0.39	0.0	6.0
S3MLENM	11915	0.11	0.38	0.0	6.0
S4MLENM	13978	0.08	0.32	0.0	5.0
S5MLENM	12730	0.07	0.31	0.0	5.0
S6MLENM	11639	0.08	0.31	0.0	5.0
S7MLENM	12972	0.06	0.29	0.0	5.0
S8MLENM	11735	0.06	0.28	0.0	5.0
S9MLENM	10646	0.06	0.27	0.0	4.0
S10MLENM	13513	0.04	0.23	0.0	4.0
S11MLENM	12488	0.05	0.23	0.0	4.0
S12MLENM	11031	0.05	0.24	0.0	4.0

How Constructed

RwMCURLN-length of the current marriage in years, RwMLEN-the length of the longest marriage up through Wave "w," and RwMLENM-number of marriage lengths which are unknown are assigned by looking at marital history dates, marital events, and marriage status.

At the first interview, the date the most recent marriage began is asked. This date is kept across interviews until the marriage ends in divorce or widowhood. If the Respondent begins a new marriage, the current marriage begin date is reset to reflect this. Data are not collected on all marriages: up to four previous marriages if the Respondent enters the HRS in Waves 1, 4, 5, or 7 forward; up to three previous marriages if the Respondent enters the study in Wave 6; or up to two previous marriages if the Respondent enters in Waves 2H or 3. If the first interview is Wave 2A, there is information on at most one previous marriage. If the Respondent gives a marriage date or length that indicates being married before age 12, the dates or length are treated as missing, depending on what information is provided.

The spouse's information is examined, if available, to fill missing current marriage begin dates if they are missing from the retrospective marriage history at a Respondent's first interview. This step is introduced to address the skip pattern problem in Wave 6, where no current marriage begin dates were collected for married new interviewees. The problem was

corrected in Wave 7.

Missing dates in the marriage history data are abundant. For marital events between interviews, there is about a 2 year range when they can occur. If dates are missing for between interview events, they are estimated based on interview and other marriage dates so as to compare lengths of marriages.

If the Respondent is married (or separated) at the interview, the length of the current marriage is calculated as the time from the marriage begin date to the interview end date. Separations are treated as continuing marriages. If the Respondent is unmarried, RwMCURLN is missing.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwMCURLN, RwMLEN, and RwMLENM. These spouse variables are set to .U if the Respondent is unmarried or unpartnered and are set to .V if the Respondent's spouse or partner did not respond in a given wave.

NOTE: In previous versions of the RAND HRS Data, the length of current marriage for married Respondents whose first interview is Wave 4 or 5 was missing much of the time due to a programming error. This also affects the length of longest marriage for some cases. The problem is corrected in Version D, but analysts using this variable may want to re-examine results based on it in earlier versions.

Another programming problem left many unmarried AHEAD Respondents with a longest marriage of zero years and a missing marriage length, when a marriage length is available. Most of these are widows, and all are not married in Wave 2A. This is corrected in Version H.

Cross Wave Differences in Original HRS Data

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H, Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded, in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status. Included in the cover sheet questions are dates for when a spouse died or separated, and when the Respondent started living with a new spouse or partner.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview

in which a Respondent appears. If a marriage, divorce, or widowhood is reported, the month and year of the event is asked.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask the number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended.

The skip pattern and amount of marital history information gathered varies from wave to wave. In Wave 1, data are collected on three past marriages, and the current or most recent marriage. For new Respondents in Wave 2H, data are collected only about the first marriage. For new Respondents in Wave 3H, data are collected on the first and most recent marriages. In Waves 4 and 5, new Respondents are asked about three past marriages and the current marriage. In Wave 6, new Respondents are asked about three past marriages. In Wave 6, an apparent skip pattern problem occurred so that the current marriage data were not collected for new Respondents who were married. This was corrected in Wave 7 so that information on the current and three past marriages is collected.

In Wave 1, there is no maximum for the number of marriages the Respondent can report. If the Respondent reports more than four marriages, then all information about at least some marriages will be completely missing. The beginning and end month of the current or most recent marriage are asked. For past marriages, only the year is obtained.

Except for overlap cases, the first interview for AHEAD sample members is Wave 2A. Here Respondents can report a maximum of four marriages (meaning four or more), and are asked for details about only their current, or most recent marriage (if currently living with someone). There are some issues with the questions in this section. First, the "year married" question, which follows the marital status question, presumably is referring to the Respondent's current spouse. However, at least a couple of people may have misunderstood the question. When we compared the marriage beginning dates reported by overlap cases in HRS W1 and AHEAD W1, we found that four people, all of whom had multiple marriages, gave dates that corresponded to previous marriages. Second, Respondents who report "living with someone" are then asked if they have ever been married, and if so, what year that marriage ended. The problem with this sequence of questions is that a person can be married more than one time, in which case we assume that they are reporting on the most recent marriage. For those not married, then the year the marriage ended and the length of the marriage are ascertained.

For new Respondents in Wave 2H, the Respondent can report a maximum of 15 marriages. The begin and end year of the first marriage is asked if the Respondent reports more than one marriage. If the Respondent only reports one marriage, the begin month and, if applicable, end month of the most recent marriage are only asked if the event occurred between interviews. If the Respondent reports more than two marriages, the information about any except the first, and perhaps the most recent, marriage will be completely missing.

For Waves 3A and 3H, new Respondents can report being married a maximum of four times. They are asked the year when the first and most recent marriages began. If a begin year is after 1992, the month of marriage is also asked. If the marriage ended, the Respondent is asked how many years it lasted. If the Respondent reports more than two marriages, the information about any besides the first and most recent is completely missing.

From Wave 4 forward, new Respondents can report a maximum of four marriages. They are asked the month and year the first three and most recent marriages began and how many years each marriage lasted. In these waves there can be information about up to four marriages, which is the maximum number of marriages that can be reported, so all known marriages are inquired about. In Wave 6, because of a question skip pattern problem, the fourth marriage information was not collected. The month and year that the current marriage began is missing for all new interviewees who were newly married. The month and year of the fourth marriage is missing for those with four marriages.

HRS Variables Used

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HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
    V226            A10A:DATE MARRIED-MONTH
    V227            A10A:DATE MARRIED-YEAR
    V228            A10B:EVER BEEN MARRIED
    V230            A10D:LAST MARR BEGIN-M0
    V233            A10E:LAST MARR END-YEAR
    V234            CKPT:TIMES BEEN MARRIED
    V235            A10G:END LAST MARR-MONTH
    V236            A10G:END LAST MARR-YR
    V237            A10H:BEGIN LAST MARR-MO
    V238            A10H:BEGIN LAST MARR-YR
    V239            A11:1ST MARRIAGE
    V240            A12:TOTAL TIMES MARRIED
    V241            A13:MAR1:YEAR BEGAN
    V242            A14:MAR1:DVRCD/WDOWD/OTH
    V243            A15:MAR1:YEAR ENDED
    V244            A13:MAR2:YEAR BEGAN
    V245            A14:MAR2:DVRCD/WDOWD/OTH
    V246            A15:MAR2:YEAR ENDED
    V247            A13:MAR3:YEAR BEGAN
    V249            A15:MAR3:YEAR ENDED
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
    B156            A11a. YEAR MARRIED
    B158            A11c. LIVE TGHR: EVER MARRIED
    B159            A11d. LIVE TGHR: YEAR MARRIAGE ENDED
    B160            A11e. LIVE TGHR: DIVORCED OR WIDOWED
    B161            A11f. LIVE TGHR: YRS MARRIED MOST RECENT
    B162            A11g. DIV/WID: YEAR DIV/WID MOST RECENT
    B163            A11h. DIV/WID: YEARS MARRIED MOST RECENT
    B166            A13. # OF MARRIAGES EVER
HRS 1994:
    W200            A1. Marital Status
    W201            A2. Marriage Start After
    W202            A3. Marriage Month
    W203            A3. Marriage Year
    W204            A4. Divorced/Widowed Since
    W205            A5. Divorced/Widowed-Month
    W206            A5. Divorced/Widowed-Year
    W207            A6. Ever Been Married?
    W208            A7. Number of Times Married
    W209            A8. 1st Marriage-Year Begin
    W210            A9. Marriage End Divorce/Widow
    W211            A10. 1st Marriage-Year End
AHEAD 1995:
    D226            CS4.R SAME SP/P
    D227            CS5.SP/P ALIVE
    D228            CS6.MO/YR SEPARATE/DIE
    D229            CS6A.YEAR SEPARATE/DIE
    D247            CS15.MO/YR ST LIVE W/NEW SP/P
    D248            CS15A.YEAR ST LIVE W/NEW SP/P
    D676            A21.L-EVER MARRIED
    D677            A21A.# MARRIAGES
    D678            A22.FIRST MAR-YR BEGIN
    D679            A22A. FIRST MAR-MO BEGIN
    D680            A22B.FIRST MAR-END DIV/WID
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    D681            A22C.FIRST MAR-YRS MARRIED
    D682            A23.RECENT MAR-YR BEGIN
    D683            A23A. RECENT MAR-MO BEGIN
    D684            A23B.RECENT MAR-END DIV/WID
    D685            A23C.RECENT MAR-YRS MARRIED
    D739            A40.POST W1 MARRIAGE START
    D741            A40A.POST W1 MARRIAGE MO
    D742            A40C.YEAR
    D746            A41.POST W1 DIV/SWIDOWED
    D747            A41A.POST W1 DIV/WIDOW MOR
    D748            A41B.YEAR
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E226            CS4.R SAME SP/P
    E227            CS5.SP/P ALIVE
    E228            CS6.MO/YR SEPARATE/DIE
    E229            CS6A.YEAR SEPARATE/DIE
    E247            CS15.MO/YR ST LIVE W/NEW SP/P
    E248            CS15A.YEAR ST LIVE W/NEW SP/P
    E256A           MARRIAGE STATUS - CORRECTED
    E676            A21.L-EVER MARRIED
    E677            A21A.# MARRIAGES
    E678            A22.FIRST MAR-YR BEGIN
    E679            A22A.FIRST MAR-MO BEGIN
    E680            A22B.FIRST MAR-END DIV/WID
    E681            A22C.FIRST MAR-YRS MARRIED
    E682            A23.RECENT MAR-YR BEGIN
    E683            A23A.RECENT MAR-MO BEGIN
    E684            A23B.RECENT MAR-END DIV/WID
    E685            A23C.RECENT MAR-YRS MARRIED
    E739            A40.POST W1 MARRIAGE START
    E741            A40A.POST W1 MARRIAGE MO
    E742            A40C.YEAR
    E746            A41.POST W1 DIV/SWIDOWED
    E747            A41A.POST W1 DIV/WIDOW MOR
    E748            A41B.YEAR
    E750            A42.FIRST MARRIAGE ENDED
HRS 1998:
    F1059           A40.POST W1 MARRIAGE START
    F1061           A40A.POST W1 MARRIAGE MO
    F1062           A40C.YEAR
    F1066           A41.POST W1 DIV/WIDOWED
    F1067           A41A.POST W1 DIV/WIDOW MOR
    F1068           A41B.YEAR
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F1072           A44.# MARRIAGES
    F1073           A45.FIRST MAR-YR BEGIN
    F1074           A45A.FIRST MAR-MON BEGIN
    F1075           A45B.FIRST MAR-END DIV/WID
    F1076           A45C.FIRST MAR-YRS MARRIED
    F1077           A46.SECOND MAR-YR BEGIN
    F1078           A46A.SECOND MAR-MON BEGIN
    F1079           A46B.SECOND MAR-END DIV/WID
    F1080           A46C.SECOND MAR-YRS MARRIED
    F1081           A47.THIRD MAR-YR BEGIN
    F1082           A47A.THIRD MAR-MON BEGIN
    F1084           A47C.THIRD MAR-YRS MARRIED
    F1085           A48.RECENT MAR-YR BEGIN
    F1087           A48B.RECENT MAR-END DIV/WID
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    F1088           A48C.RECENT MAR-YRS MARRIED
    F502            CS4.1ST R SAME SPOUSE/P
    F504            CS5.PRELOAD SPOUSE/P ALIVE
    F506            CS6A.YEAR SEPARATE/DIE
    F526            CS15MO./YR S/P START LIVE TOGETHER
    F527            CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2000:
    G1146           A40.POST W1 MARRIAGE START
    G1148           A40A.POST W1 MARRIAGE MO
    G1149           A40C.YEAR
    G1153           A41.POST W1 DIV/WIDOWED
    G1154           A41A.POST W1 DIV/WIDOW MOR
    G1155           A41B.YEAR
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G1159           A44.# MARRIAGES
    G1160           A45.FIRST MAR-YR BEGIN
    G1161           A45A.FIRST MAR-MON BEGIN
    G1162           A45B.FIRST MAR-END DIV/WID
    G1163           A45C.FIRST MAR-YRS MARRIED
    G1164           A46.SECOND MAR-YR BEGIN
    G1165           A46A.SECOND MAR-MON BEGIN
    G1166           A46B.SECOND MAR-END DIV/WID
    G1167           A46C.SECOND MAR-YRS MARRIED
    G1168           A47.THIRD MAR-YR BEGIN
    G1169           A47A.THIRD MAR-MON BEGIN
    G1171           A47C.THIRD MAR-YRS MARRIED
    G1172           A48.RECENT MAR-YR BEGIN
    G1174           A48B.RECENT MAR-END DIV/WID
    G1175           A48C.RECENT MAR-YRS MARRIED
    G543            CS4.1ST R SAME SPOUSE/P
    G545            CS5.PRELOAD SPOUSE/P ALIVE
    G547            CS6A.YEAR SEPARATE/DIE
    G567            CS15MO./YR S/P START LIVE TOGETHER
    G568            CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2002:
    HA020           1ST R SAME SP/P
    HA023           PREVIOUS WAVE SP/P ALIVE
    HA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    HA036           MO STARTED LIVING WITH NEW SP/P
    HA037           YEAR STARTED LIVING WITH NEW SP/P
    HB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    HB056           BETWEEN WAVE MARRIAGE START-MONTH
    HB057           BETWEEN WAVE MARRIAGE START-YEAR
    HB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    HB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    HB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    HB065           NUMBER OF MARRIAGES
    HB066_1         FIRST MARRIAGE YEAR BEGAN
    HB066_2         SECOND MARRIAGE YEAR BEGAN
    HB066_3         THIRD MARRIAGE YEAR BEGAN
    HB067_1         FIRST MARRIAGE MONTH BEGAN
    HB067_2         SECOND MARRIAGE MONTH BEGAN
    HB067_3         THIRD MARRIAGE MONTH BEGAN
    HB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    HB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    HB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    HB070_1         FIRST MARRIAGE-YEARS MARRIAGE
    HB070_2         SECOND MARRIAGE-YEARS MARRIAGE
    HB070_3         THIRD MARRIAGE-YEARS MARRIAGE
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    HMARITAL        MARITAL STATUS
HRS 2004:
    JA020           1ST R SAME SP/P
    JA023           PREVIOUS WAVE SP/P ALIVE
    JA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    JA036           MO STARTED LIVING WITH NEW SP/P
    JA037           YEAR STARTED LIVING WITH NEW SP/P
    JB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    JB056           BETWEEN WAVE MARRIAGE START-MONTH
    JB057           BETWEEN WAVE MARRIAGE START-YEAR
    JB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    JB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    JB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    JB065           NUMBER OF MARRIAGES
    JB066_1         FIRST MARRIAGE YEAR BEGAN
    JB066_2         SECOND MARRIAGE YEAR BEGAN
    JB066_3         THIRD MARRIAGE YEAR BEGAN
    JB067_1         FIRST MARRIAGE MONTH BEGAN
    JB067_2         SECOND MARRIAGE MONTH BEGAN
    JB067_3         THIRD MARRIAGE MONTH BEGAN
    JB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    JB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    JB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    JB070_1         FIRST MARRIAGE-YEARS MARRIAGE
    JB070_2         SECOND MARRIAGE-YEARS MARRIAGE
    JB070_3         THIRD MARRIAGE-YEARS MARRIAGE
    JPN_SP          2004 SPOUSE/PARTNER PERSON NUMBER
    JSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
HRS 2006:
    KA020           1ST R SAME SP/P
    KA023           PREVIOUS WAVE SP/P ALIVE
    KA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    KA036           MO STARTED LIVING WITH NEW SP/P
    KA037           YEAR STARTED LIVING WITH NEW SP/P
    KB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    KB056           BETWEEN WAVE MARRIAGE START-MONTH
    KB057           BETWEEN WAVE MARRIAGE START-YEAR
    KB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    KB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    KB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    KB065           NUMBER OF MARRIAGES
    KB066_1         FIRST MARRIAGE YEAR BEGAN
    KB066_2         SECOND MARRIAGE YEAR BEGAN
    KB066_3         THIRD MARRIAGE YEAR BEGAN
    KB067_1         FIRST MARRIAGE MONTH BEGAN
    KB067_2         SECOND MARRIAGE MONTH BEGAN
    KB067_3         THIRD MARRIAGE MONTH BEGAN
    KB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    KB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    KB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    KB070_1         FIRST MARRIAGE-YEARS MARRIAGE
    KB070_2         SECOND MARRIAGE-YEARS MARRIAGE
    KB070_3         THIRD MARRIAGE-YEARS MARRIAGE
    KPN_SP          2006 SPOUSE/PARTNER PERSON NUMBER
    KSUBHH          2006 SUB-HOUSEHOLD IDENTIFIER
HRS 2008:
    LA020           1ST R SAME SP/P
    LA023           PREVIOUS WAVE SP/P ALIVE
    LA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
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    LA036           MO STARTED LIVING WITH NEW SP/P
    LA037           YEAR STARTED LIVING WITH NEW SP/P
    LB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    LB056           BETWEEN WAVE MARRIAGE START-MONTH
    LB057           BETWEEN WAVE MARRIAGE START-YEAR
    LB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    LB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    LB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    LB065           NUMBER OF MARRIAGES
    LB066_1         FIRST MARRIAGE YEAR BEGAN
    LB066_2         SECOND MARRIAGE YEAR BEGAN
    LB066_3         THIRD MARRIAGE YEAR BEGAN
    LB067_1         FIRST MARRIAGE MONTH BEGAN
    LB067_2         SECOND MARRIAGE MONTH BEGAN
    LB067_3         THIRD MARRIAGE MONTH BEGAN
    LB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    LB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    LB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    LB070_1         FIRST MARRIAGE-YEARS MARRIAGE
    LB070_2         SECOND MARRIAGE-YEARS MARRIAGE
    LB070_3         THIRD MARRIAGE-YEARS MARRIAGE
    LPN_SP          2008 SPOUSE/PARTNER PERSON NUMBER
    LSUBHH          2008 SUB-HOUSEHOLD IDENTIFIER
HRS 2010:
    MA020           1ST R SAME SP/P
    MA023           PREVIOUS WAVE SP/P ALIVE
    MA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    MA036           MO STARTED LIVING WITH NEW SP/P
    MA037           YEAR STARTED LIVING WITH NEW SP/P
    MB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    MB056           BETWEEN WAVE MARRIAGE START-MONTH
    MB057           BETWEEN WAVE MARRIAGE START-YEAR
    MB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    MB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    MB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    MB065           NUMBER OF MARRIAGES
    MB066_1         FIRST MARRIAGE YEAR BEGAN
    MB066_2         SECOND MARRIAGE YEAR BEGAN
    MB066_3         THIRD MARRIAGE YEAR BEGAN
    MB067_1         FIRST MARRIAGE MONTH BEGAN
    MB067_2         SECOND MARRIAGE MONTH BEGAN
    MB067_3         THIRD MARRIAGE MONTH BEGAN
    MB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    MB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    MB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    MB070_1         FIRST MARRIAGE-YEARS MARRIAGE
    MB070_2         SECOND MARRIAGE-YEARS MARRIAGE
    MB070_3         THIRD MARRIAGE-YEARS MARRIAGE
    MPN_SP          2010 SPOUSE/PARTNER PERSON NUMBER
    MSUBHH          2010 SUB-HOUSEHOLD IDENTIFIER
HRS 2012:
    NA020           1ST R SAME SP/P
    NA023           PREVIOUS WAVE SP/P ALIVE
    NA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    NA036           MO STARTED LIVING WITH NEW SP/P
    NA037           YEAR STARTED LIVING WITH NEW SP/P
    NB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    NB056           BETWEEN WAVE MARRIAGE START-MONTH
    NB057           BETWEEN WAVE MARRIAGE START-YEAR
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    NB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    NB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    NB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    NB065           NUMBER OF MARRIAGES
    NB066_1         FIRST MARRIAGE YEAR BEGAN
    NB066_2         SECOND MARRIAGE YEAR BEGAN
    NB066_3         THIRD MARRIAGE YEAR BEGAN
    NB067_1         FIRST MARRIAGE MONTH BEGAN
    NB067_2         SECOND MARRIAGE MONTH BEGAN
    NB067_3         THIRD MARRIAGE MONTH BEGAN
    NB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    NB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    NB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    NB070_1         FIRST MARRIAGE-YEARS MARRIAGE
    NB070_2         SECOND MARRIAGE-YEARS MARRIAGE
    NB070_3         THIRD MARRIAGE-YEARS MARRIAGE
    NPN_SP          2012 SPOUSE/PARTNER PERSON NUMBER
    NSUBHH          2012 SUB-HOUSEHOLD IDENTIFIER
HRS 2014:
    OA020           1ST R SAME SP/P
    OA023           PREVIOUS WAVE SP/P ALIVE
    OA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    OA036           MO STARTED LIVING WITH NEW SP/P
    OA037           YEAR STARTED LIVING WITH NEW SP/P
    OB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    OB056           BETWEEN WAVE MARRIAGE START-MONTH
    OB057           BETWEEN WAVE MARRIAGE START-YEAR
    OB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    OB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    OB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    OB065           NUMBER OF MARRIAGES
    OB066_1         FIRST MARRIAGE YEAR BEGAN
    OB066_2         SECOND MARRIAGE YEAR BEGAN
    OB066_3         THIRD MARRIAGE YEAR BEGAN
    OB067_1         FIRST MARRIAGE MONTH BEGAN
    OB067_2         SECOND MARRIAGE MONTH BEGAN
    OB067_3         THIRD MARRIAGE MONTH BEGAN
    OB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    OB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    OB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    OB070_1         FIRST MARRIAGE-YEARS MARRIAGE
    OB070_2         SECOND MARRIAGE-YEARS MARRIAGE
    OB070_3         THIRD MARRIAGE-YEARS MARRIAGE
    OPN_SP          2014 SPOUSE/PARTNER PERSON NUMBER
    OSUBHH          2014 SUB-HOUSEHOLD IDENTIFIER
Tracker:
    AALIVE          1992 VITAL STATUS
    AIWTYPE         1992 INTERVIEW TYPE
    APPN            1992 SPOUSE-PARTNER PERSON NUMBER
    CALIVE          1994 VITAL STATUS
    CIWTYPE         1994 INTERVIEW TYPE
    CPPN            1994 SPOUSE-PARTNER PERSON NUMBER
    DALIVE          1995 VITAL STATUS
    DIWTYPE         1995 INTERVIEW TYPE
    DPPN            1995 SPOUSE-PARTNER PERSON NUMBER
    EALIVE          1996 VITAL STATUS
    EIWTYPE         1996 INTERVIEW TYPE
    EPPN            1996 SPOUSE-PARTNER PERSON NUMBER
    FALIVE          1998 VITAL STATUS
```

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FIWTYPE         1998 INTERVIEW TYPE
FPPN            1998 SPOUSE-PARTNER PERSON NUMBER
GALIVE          2000 VITAL STATUS
GIWTYPE         2000 INTERVIEW TYPE
GPPN            2000 SPOUSE-PARTNER PERSON NUMBER
HALIVE          2002 VITAL STATUS
HIWTYPE         2002 INTERVIEW TYPE
HPPN            2002 SPOUSE-PARTNER PERSON NUMBER
JALIVE          2004 VITAL STATUS
JIWTYPE         2004 INTERVIEW TYPE
JPPN            2004 SPOUSE-PARTNER PERSON NUMBER
KALIVE          2006 VITAL STATUS
KIWTYPE         2006 INTERVIEW TYPE
KPPN            2006 SPOUSE-PARTNER PERSON NUMBER
LALIVE          2008 VITAL STATUS
LIWTYPE         2008 INTERVIEW TYPE
LPPN            2008 SPOUSE-PARTNER PERSON NUMBER
MALIVE          2010 VITAL STATUS
MIWTYPE         2010 INTERVIEW TYPE
MPPN            2010 SPOUSE-PARTNER PERSON NUMBER
NALIVE          2012 VITAL STATUS
NIWTYPE         2012 INTERVIEW TYPE
NPPN            2012 SPOUSE-PARTNER PERSON NUMBER
OALIVE          2014 VITAL STATUS
OIWTYPE         2014 INTERVIEW TYPE
OPPN            2014 SPOUSE-PARTNER PERSON NUMBER
```

Religion

Wave	Variable Name	Variable Label	Type
1	RARELIG	RARELIG: R Religion	Categ
1	S1RELIG	S1RELIG: S Religion	Categ
2	S2RELIG	S2RELIG: S Religion	Categ
3	S3RELIG	S3RELIG: S Religion	Categ
4	S4RELIG	S4RELIG: S Religion	Categ
5	S5RELIG	S5RELIG: S Religion	Categ
6	S6RELIG	S6RELIG: S Religion	Categ
7	S7RELIG	S7RELIG: S Religion	Categ
8	S8RELIG	S8RELIG: S Religion	Categ
9	S9RELIG	S9RELIG: S Religion	Categ
10	S10RELIG	S10RELIG: S Religion	Categ
11	S11RELIG	S11RELIG: S Religion	Categ
12	S12RELIG	S12RELIG: S Religion	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RARELIG	37371	1.63	1.00	1.0	5.0
S1RELIG	10101	1.49	0.81	1.0	5.0
S2RELIG	13410	1.51	0.85	1.0	5.0
S3RELIG	12145	1.51	0.85	1.0	5.0
S4RELIG	14304	1.53	0.87	1.0	5.0
S5RELIG	12911	1.53	0.87	1.0	5.0
S6RELIG	11740	1.53	0.88	1.0	5.0
S7RELIG	13171	1.58	0.92	1.0	5.0
S8RELIG	11898	1.57	0.92	1.0	5.0
S9RELIG	10850	1.58	0.92	1.0	5.0
S10RELIG	13870	1.71	1.06	1.0	5.0
S11RELIG	12795	1.71	1.06	1.0	5.0
S12RELIG	11353	1.75	1.09	1.0	5.0

Categorical Variable Codes

Value	RARELIG
.D=DK	30
.M=Oth missing	69
.R=RF	25
1.Protestant	22710
2.Catholic	10159
3.Jewish	796
4.None/no pref	2915
5.Other	791

Value	S1RELIG	S2RELIG	S3RELIG	S4RELIG	S5RELIG	S6RELIG	S7RELIG
.D=DK	5	3	4	8	7	7	11
.M=Oth missing	14	49	41	35	35	35	33
.R=RF		1	2	2	1	4	7
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	159	209	141	166	87	73	130
1.Protestant	6523	8617	7811	9123	8195	7445	8117
2.Catholic	2845	3638	3280	3898	3551	3241	3690
3.Jewish	185	378	352	360	312	264	284
4.None/no pref	468	636	568	762	702	651	937
5.Other	80	141	134	161	151	139	143

Value	S8RELIG	S9RELIG	S10RELIG	S11RELIG	S12RELIG
.D=DK	9	11	11	9	8
.M=Oth missing	34	29	25	18	16
.R=RF	5	5	10	10	9
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	106	116	319	248	239
1.Protestant	7388	6715	7991	7329	6372
2.Catholic	3294	3008	3983	3702	3322
3.Jewish	250	226	218	196	171
4.None/no pref	840	777	1319	1233	1121
5.Other	126	124	359	335	367

How Constructed

This variable is assigned by looking at all waves of data for the first non-missing values. The Wave 1 and 2H values are recoded to 5 categories in order to be compatible with the codes from Wave 3H forward, and for the AHEAD sample, from Wave 2A forward. The broader categories used for Waves 1 and 2H are: Protestant (including 'non-traditional Christian'), Catholic, Jewish, none or no preference, and other.

From Wave 3H forward, the HRS variable is simply recoded for missing values. The same is true for Wave 2A forward.

The spouse variable SwRELIG is taken from the Wave "w" spouse's self-reported data, i.e., from the spouse's RARELIG variable.

Cross Wave Differences in Original HRS Data

In Wave 1 the questions on religious preference are asked as follows:

"What is your religious preference: Protestant, Roman Catholic, Jewish, or something else?"

"What denomination is that?"

From Wave 2 forward, the wording of the first question is slightly different:

"What is your religious preference; is it Protestant, Catholic, Jewish, some other religion, or do you have no preference?"

In Waves 1 and 2H, the resulting variable codes only the "denomination," but the codebook lists them in broader groupings: Protestant, Catholic, Jewish, non-traditional Christian (e.g., Quakers, Latter Day Saints), non-Judeo-Christian (e.g., Hindu, Islam), no religion, and other (e.g., Jewish and Catholic, or Catholic summers / Lutheran winters).

From Wave 3H forward, and for the AHEAD sample, from Wave 2A forward, the resulting variable appears to be based on the first question with only 5 codes: Protestant, Catholic, Jewish, No Preference, and Other.

HRS Variables Used

```
HRS 1992:
    V214            A6:RELIGIOUS PREFERENCE
AHEAD 1993:
    B134            A6. R'S RELIGION
HRS 1994:
    W226            A14(a). Religious Preference
AHEAD 1995:
    D732            A36.R RELIGIOUS PREF
HRS 1996:
    E732            A36.R RELIGIOUS PREF
HRS 1998:
    F1052           A36.R RELIGIOUS PREF
HRS 2000:
    G1139           A36.R RELIGIOUS PREF
HRS 2002:
    HB050           R RELIGIOUS PREFERENCE
HRS 2004:
    JB050           R RELIGIOUS PREFERENCE
HRS 2006:
    KB050           R RELIGIOUS PREFERENCE
HRS 2008:
    LB050           R RELIGIOUS PREFERENCE
HRS 2010:
    MB050           R RELIGIOUS PREFERENCE
HRS 2012:
    NB050           R RELIGIOUS PREFERENCE
HRS 2014:
    OB050           R RELIGIOUS PREFERENCE
```

Veteran status

Wave	Variable Name	Variable Label	Type
1	RAVETRN	RAVETRN: R Veteran Status	Categ
1	S1VETRN	S1VETRN: S Veteran Status	Categ
2	S2VETRN	S2VETRN: S Veteran Status	Categ
3	S3VETRN	S3VETRN: S Veteran Status	Categ
4	S4VETRN	S4VETRN: S Veteran Status	Categ
5	S5VETRN	S5VETRN: S Veteran Status	Categ
6	S6VETRN	S6VETRN: S Veteran Status	Categ
7	S7VETRN	S7VETRN: S Veteran Status	Categ
8	S8VETRN	S8VETRN: S Veteran Status	Categ
9	S9VETRN	S9VETRN: S Veteran Status	Categ
10	S10VETRN	S10VETRN: S Veteran Status	Categ
11	S11VETRN	S11VETRN: S Veteran Status	Categ
12	S12VETRN	S12VETRN: S Veteran Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAVETRN	37449	0.21	0.41	0.0	1.0
S1VETRN	10119	0.29	0.45	0.0	1.0
S2VETRN	13429	0.29	0.45	0.0	1.0
S3VETRN	12165	0.29	0.46	0.0	1.0
S4VETRN	14330	0.29	0.46	0.0	1.0
S5VETRN	12931	0.29	0.46	0.0	1.0
S6VETRN	11765	0.29	0.45	0.0	1.0
S7VETRN	13204	0.26	0.44	0.0	1.0
S8VETRN	11927	0.26	0.44	0.0	1.0
S9VETRN	10881	0.26	0.44	0.0	1.0
S10VETRN	13900	0.21	0.41	0.0	1.0
S11VETRN	12822	0.20	0.40	0.0	1.0
S12VETRN	11377	0.19	0.39	0.0	1.0

Categorical Variable Codes

Value	RAVETRN
.D=DK/NA	4
.M=Oth missing	39
.R=RF	3
0.No	29598
1.Yes	7851

Value	S1VETRN	S2VETRN	S3VETRN	S4VETRN	S5VETRN	S6VETRN	S7VETRN
.D=DK/NA				1	2	2	1
.M=Oth missing	4	36	29	23	20	18	16
.R=RF					1	1	1
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	156	207	139	161	87	73	130
0.No	7182	9502	8586	10106	9141	8343	9736
1.Yes	2937	3927	3579	4224	3790	3422	3468

Value	S8VETRN	S9VETRN	S10VETRN	S11VETRN	S12VETRN
.D=DK/NA	1	1	1	1	1
.M=Oth missing	17	12	13	8	7
.R=RF	1	1	2	2	2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	106	116	319	247	238
0.No	8820	8068	11000	10257	9200
1.Yes	3107	2813	2900	2565	2177

How Constructed

This variable is assigned by looking at all waves of data for the first non-missing values. The first non-missing value for veteran status is used. It is coded as "1" for yes, served in the military, and "0" for no.

The spouse's RwVETRN variable is taken from the Wave "w" spouse's self-reported veteran status, i.e., from the Wave "w" spouse's RAVETRN.

Cross Wave Differences in Original HRS Data

The question about military service is only asked at the Respondent's first interview.

In Waves 1 and 2H the question wording is:

"Have you ever been in the active military service?"

From Wave 3H forward, and from Wave 2A of the AHEAD sample forward, the question wording is:

"Have you ever served in the active military of the United States?"

HRS Variables Used

```
HRS 1992:
    V222            A9:EVER IN MILITARY
AHEAD 1993:
    B146            A10. MILITARY SERVICE
HRS 1994:
    W234            A17. Ever in Military
AHEAD 1995:
    D670            A10.MILITARY
HRS 1996:
    E670            A10.MILITARY
HRS 1998:
    F1008           A10.MILITARY
HRS 2000:
    G1095           A10.MILITARY
HRS 2002:
    HB035           R SERVED IN MILITARY
HRS 2004:
    JB035           R SERVED IN MILITARY
HRS 2006:
    KB035           R SERVED IN MILITARY
HRS 2008:
    LB035           R SERVED IN MILITARY
HRS 2010:
    MB035           R SERVED IN MILITARY
HRS 2012:
    NB035           R SERVED IN MILITARY
HRS 2014:
    OB035           R SERVED IN MILITARY
```

Place of birth

Wave	Variable Name	Variable Label	Type
1	RABPLACE	RABPLACE: R Place of Birth (Cens Region)	Categ
1	S1BPLACE	S1BPLACE: S Place of Birth (Cens Region)	Categ
2	S2BPLACE	S2BPLACE: S Place of Birth (Cens Region)	Categ
3	S3BPLACE	S3BPLACE: S Place of Birth (Cens Region)	Categ
4	S4BPLACE	S4BPLACE: S Place of Birth (Cens Region)	Categ
5	S5BPLACE	S5BPLACE: S Place of Birth (Cens Region)	Categ
6	S6BPLACE	S6BPLACE: S Place of Birth (Cens Region)	Categ
7	S7BPLACE	S7BPLACE: S Place of Birth (Cens Region)	Categ
8	S8BPLACE	S8BPLACE: S Place of Birth (Cens Region)	Categ
9	S9BPLACE	S9BPLACE: S Place of Birth (Cens Region)	Categ
10	S10BPLACE	S10BPLACE: S Place of Birth (Cens Region)	Categ
11	S11BPLACE	S11BPLACE: S Place of Birth (Cens Region)	Categ
12	S12BPLACE	S12BPLACE: S Place of Birth (Cens Region)	Categ
1	RABPLACF	RABPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
1	S1BPLACF	S1BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
2	S2BPLACF	S2BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
3	S3BPLACF	S3BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
4	S4BPLACF	S4BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
5	S5BPLACF	S5BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
6	S6BPLACF	S6BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
7	S7BPLACF	S7BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
8	S8BPLACF	S8BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
9	S9BPLACF	S9BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
10	S10BPLACF	S10BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
11	S11BPLACF	S11BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
12	S12BPLACF	S12BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RABPLACE	37457	5.38	2.99	1.0	11.0
S1BPLACE	10122	5.25	2.85	1.0	11.0
S2BPLACE	13435	5.13	2.85	1.0	11.0
S3BPLACE	12169	5.14	2.85	1.0	11.0
S4BPLACE	14341	5.10	2.83	1.0	11.0
S5BPLACE	12943	5.12	2.85	1.0	11.0
S6BPLACE	11772	5.14	2.86	1.0	11.0
S7BPLACE	13208	5.23	2.94	1.0	11.0
S8BPLACE	11930	5.21	2.92	1.0	11.0
S9BPLACE	10883	5.24	2.95	1.0	11.0
S10BPLACE	13903	5.53	3.14	1.0	11.0
S11BPLACE	12824	5.58	3.15	1.0	11.0
S12BPLACE	11379	5.62	3.19	1.0	11.0
RABPLACF	37495	0.00	0.07	0.0	3.0
S1BPLACF	10279	0.01	0.09	0.0	3.0
S2BPLACF	13608	0.00	0.08	0.0	3.0
S3BPLACF	12269	0.01	0.08	0.0	3.0
S4BPLACF	14453	0.01	0.10	0.0	3.0
S5BPLACF	13007	0.01	0.10	0.0	3.0
S6BPLACF	11822	0.00	0.08	0.0	3.0

S7BPLACF	13307	0.01	0.09	0.0	3.0
S8BPLACF	12001	0.00	0.08	0.0	3.0
S9BPLACF	10953	0.00	0.08	0.0	3.0
S10BPLACF	14147	0.00	0.07	0.0	2.0
S11BPLACF	12985	0.00	0.08	0.0	3.0
S12BPLACF	11538	0.00	0.07	0.0	3.0

Categorical Variable Codes

Value	RABPLACE
.M=Oth missing	38
1.New England	1710
2.Mid Atlantic	5117
3.EN Central	6046
4.WN Central	3238
5.S Atlantic	6493
6.ES Central	3033
7.WS Central	3765
8.Mountain	1023
9.Pacific	1728
10.US/NA Division	501
11.Not US/inc US terr	4803

Value	S1BPLACE	S2BPLACE	S3BPLACE	S4BPLACE	S5BPLACE	S6BPLACE	S7BPLACE
.M=Oth missing	1	33	26	21	18	16	15
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	156	204	138	153	80	71	129
1.New England	408	584	517	653	598	516	605
2.Mid Atlantic	1424	2026	1845	2117	1906	1700	1803
3.EN Central	1612	2308	2113	2546	2304	2144	2493
4.WN Central	1005	1385	1279	1531	1401	1280	1403
5.S Atlantic	1712	2079	1835	2184	1925	1724	1863
6.ES Central	985	1176	1046	1172	1034	943	989
7.WS Central	1033	1385	1248	1455	1327	1198	1225
8.Mountain	335	436	406	482	434	397	481
9.Pacific	494	668	623	811	717	679	834
10.US/NA Division	10	34	28	30	24	19	27
11.Not US/inc US terr	1104	1354	1229	1360	1273	1172	1485

Value	S8BPLACE	S9BPLACE	S10BPLACE	S11BPLACE	S12BPLACE
.M=Oth missing	17	12	13	8	7
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	105	116	319	248	239
1.New England	547	495	662	606	523
2.Mid Atlantic	1650	1464	1721	1560	1385
3.EN Central	2262	2101	2433	2215	1986
4.WN Central	1287	1166	1254	1145	986
5.S Atlantic	1618	1476	2214	2049	1793
6.ES Central	899	801	935	890	778
7.WS Central	1161	1030	1232	1094	932
8.Mountain	431	398	393	374	321
9.Pacific	766	708	712	661	596
10.US/NA Division	21	19	159	154	148
11.Not US/inc US terr	1288	1225	2188	2076	1931

Value	RABPLACF
0.No Discrepancy	37341
1.Trk=US/RABPLACE=Outside U	145
2.Trk=not US/RABPLACE=US	3
3.Trk=miss/RABPLACE=Valid C	6

Value	S1BPLACF	S2BPLACF	S3BPLACF	S4BPLACF	S5BPLACF	S6BPLACF	S7BPLACF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		64	64	62	34	37	45
0.No Discrepancy	10209	13549	12208	14392	12949	11770	13241
1.Trk=US/RABPLACE=Outside U	67	54	57	51	48	48	61
2.Trk=not US/RABPLACE=US	2	2	1	1	1	1	1
3.Trk=miss/RABPLACE=Valid C	1	3	3	9	9	3	4

Value	S8BPLACF	S9BPLACF	S10BPLACF	S11BPLACF	S12BPLACF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	51	58	88	95	87
0.No Discrepancy	11946	10902	14088	12928	11487
1.Trk=US/RABPLACE=Outside U	52	49	58	54	49
2.Trk=not US/RABPLACE=US	1	1	1	1	1
3.Trk=miss/RABPLACE=Valid C	2	1		2	1

Format Reference Tables – complete variable value labels

Variables: BPLACF
.U=Unmarried
.V=Spouse NR
0.No Discrepancy
1.Trk=US/RABPLACE=Outside US
2.Trk=not US/RABPLACE=US
3.Trk=miss/RABPLACE=Valid Census Division

How Constructed

RABPLACE indicates the Respondent's birthplace. It is assigned by looking at all waves of data for the first non-missing value. Place of birth is reported as Census Division; a code of 11 indicates not in the US, including foreign countries and U.S. territories. A code of 10 indicates in the US, but without the Census Division information.

In Wave 2A of AHEAD, the Census Division is not available; only whether the Respondent was born in the US or not. This is used to set the birthplace to code 10 or 11.

The HRS Region file also provides the Census Division of birthplace in the variable REGIONB. If RABPLACE is missing or 10, and a more specific Census Division is available from this source, we use it to fill RABPLACE.

There are some cases where REGIONB is 05, a valid Census Division, but the core data indicate that the Respondent is foreign-born (RABPLACE=11). For these cases we leave RABPLACE as coded in the core data, i.e., as foreign-born. Note that a code of 5 typically means "No" in the HRS.

We compare RABPLACE to the USBORN variable on the Tracker file and code the results in RABPLACF. There are cases where USBORN indicates that the Respondent was born in the U.S., but the birth place given in the core data and

Region file is coded foreign-born. There are also cases where USBORN indicates that the Respondent was born outside the U.S., but the core and Region file indicate a U.S. Census Division. In these cases we use the birth place coded in the core data, but indicate the discrepancy in RABPLACF.

The spouse's variable SwBPLACE is taken from the Wave "w" spouse's self-reported birthplace, i.e., from the Wave "w" spouse's RABPLACE.

Cross Wave Differences in Original HRS Data

The first time a Respondent is interviewed, the HRS survey asks where he/she was born. Those born in the U.S. are asked which state, and those born outside the U.S. are asked which country.

In the public use data files, there is one variable which codes whether the Respondent is U.S.-born, and another in which the state or country of birth is masked; that is, recoded to one variable indicating the Census Region of birth, with a code for non-U.S. birthplaces.

In Wave 2A of AHEAD, only the first variable, whether the Respondent is U.S.-born, is available. In all other waves, the Census Region is also available.

There is also a variable available from the HRS Region file (REGIONB). Additionally, the Tracker file also carries a variable based on whether the Respondent reports being born in the U.S. (USBORN).

HRS Variables Used

```
HRS 1992:
    V205            A2AB:WHERE BORN
AHEAD 1993:
    B117            A2. BORN US?
HRS 1994:
    W216            A12a/b. State/Country of Birth
AHEAD 1995:
    D639            A2.BORN US?
    D640M           A2A. REGION - US BORN
HRS 1996:
    E639            A2.BORN US?
    E640M           A2A. REGION - US BORN
HRS 1998:
    F971            A2.BORN US?
    F972M           A2A.REGION - US BORN
HRS 2000:
    G1060           A2.BORN US?
    G1061M          A2A.REGION - US BORN
HRS 2002:
    HB002           BORN IN US
    HB003M          STATE BORN - MASKED
HRS 2004:
    JB002           BORN IN US
    JB003M          STATE BORN - MASKED
HRS 2006:
    KB002           BORN IN US
    KB003M          STATE BORN - MASKED
HRS 2008:
    LB002           BORN IN US
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    LB003M          STATE BORN - MASKED
HRS 2010:
    MB002           BORN IN US
    MB003M          STATE BORN - MASKED
HRS 2012:
    NB002           BORN IN US
    NB003M          STATE BORN - MASKED
HRS 2014:
    OB002           BORN IN US
    OB003M          STATE BORN - MASKED
Tracker:
    USBORN          BORN IN THE U.S.
Region:
    REGIONB         REGION OF BIRTH
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Parental mortality

Wave	Variable Name	Variable Label	Type
1	R1MOMLIV	R1MOMLIV:W1 Mother alive	Categ
2	R2MOMLIV	R2MOMLIV:W2 Mother alive	Categ
3	R3MOMLIV	R3MOMLIV:W3 Mother alive	Categ
4	R4MOMLIV	R4MOMLIV:W4 Mother alive	Categ
5	R5MOMLIV	R5MOMLIV:W5 Mother alive	Categ
6	R6MOMLIV	R6MOMLIV:W6 Mother alive	Categ
7	R7MOMLIV	R7MOMLIV:W7 Mother alive	Categ
8	R8MOMLIV	R8MOMLIV:W8 Mother alive	Categ
9	R9MOMLIV	R9MOMLIV:W9 Mother alive	Categ
10	R10MOMLIV	R10MOMLIV:W10 Mother alive	Categ
11	R11MOMLIV	R11MOMLIV:W11 Mother alive	Categ
12	R12MOMLIV	R12MOMLIV:W12 Mother alive	Categ
1	S1MOMLIV	S1MOMLIV:W1 Mother alive	Categ
2	S2MOMLIV	S2MOMLIV:W2 Mother alive	Categ
3	S3MOMLIV	S3MOMLIV:W3 Mother alive	Categ
4	S4MOMLIV	S4MOMLIV:W4 Mother alive	Categ
5	S5MOMLIV	S5MOMLIV:W5 Mother alive	Categ
6	S6MOMLIV	S6MOMLIV:W6 Mother alive	Categ
7	S7MOMLIV	S7MOMLIV:W7 Mother alive	Categ
8	S8MOMLIV	S8MOMLIV:W8 Mother alive	Categ
9	S9MOMLIV	S9MOMLIV:W9 Mother alive	Categ
10	S10MOMLIV	S10MOMLIV:W10 Mother alive	Categ
11	S11MOMLIV	S11MOMLIV:W11 Mother alive	Categ
12	S12MOMLIV	S12MOMLIV:W12 Mother alive	Categ
1	R1DADLIV	R1DADLIV:W1 Father alive	Categ
2	R2DADLIV	R2DADLIV:W2 Father alive	Categ
3	R3DADLIV	R3DADLIV:W3 Father alive	Categ
4	R4DADLIV	R4DADLIV:W4 Father alive	Categ
5	R5DADLIV	R5DADLIV:W5 Father alive	Categ
6	R6DADLIV	R6DADLIV:W6 Father alive	Categ
7	R7DADLIV	R7DADLIV:W7 Father alive	Categ
8	R8DADLIV	R8DADLIV:W8 Father alive	Categ
9	R9DADLIV	R9DADLIV:W9 Father alive	Categ
10	R10DADLIV	R10DADLIV:W10 Father alive	Categ
11	R11DADLIV	R11DADLIV:W11 Father alive	Categ
12	R12DADLIV	R12DADLIV:W12 Father alive	Categ
1	S1DADLIV	S1DADLIV:W1 Father alive	Categ
2	S2DADLIV	S2DADLIV:W2 Father alive	Categ
3	S3DADLIV	S3DADLIV:W3 Father alive	Categ
4	S4DADLIV	S4DADLIV:W4 Father alive	Categ
5	S5DADLIV	S5DADLIV:W5 Father alive	Categ
6	S6DADLIV	S6DADLIV:W6 Father alive	Categ
7	S7DADLIV	S7DADLIV:W7 Father alive	Categ
8	S8DADLIV	S8DADLIV:W8 Father alive	Categ
9	S9DADLIV	S9DADLIV:W9 Father alive	Categ
10	S10DADLIV	S10DADLIV:W10 Father alive	Categ
11	S11DADLIV	S11DADLIV:W11 Father alive	Categ
12	S12DADLIV	S12DADLIV:W12 Father alive	Categ
1	R1LIVPAR	R1LIVPAR:W1 Number of living parents	Cont
2	R2LIVPAR	R2LIVPAR:W2 Number of living parents	Cont
3	R3LIVPAR	R3LIVPAR:W3 Number of living parents	Cont
4	R4LIVPAR	R4LIVPAR:W4 Number of living parents	Cont
5	R5LIVPAR	R5LIVPAR:W5 Number of living parents	Cont
6	R6LIVPAR	R6LIVPAR:W6 Number of living parents	Cont
7	R7LIVPAR	R7LIVPAR:W7 Number of living parents	Cont
8	R8LIVPAR	R8LIVPAR:W8 Number of living parents	Cont
9	R9LIVPAR	R9LIVPAR:W9 Number of living parents	Cont
10	R10LIVPAR	R10LIVPAR:W10 Number of living parents	Cont
11	R11LIVPAR	R11LIVPAR:W11 Number of living parents	Cont
12	R12LIVPAR	R12LIVPAR:W12 Number of living parents	Cont
1	S1LIVPAR	S1LIVPAR:W1 Number of living parents	Cont

2	S2LIVPAR	S2LIVPAR:W2 Number of living parents	Cont
3	S3LIVPAR	S3LIVPAR:W3 Number of living parents	Cont
4	S4LIVPAR	S4LIVPAR:W4 Number of living parents	Cont
5	S5LIVPAR	S5LIVPAR:W5 Number of living parents	Cont
6	S6LIVPAR	S6LIVPAR:W6 Number of living parents	Cont
7	S7LIVPAR	S7LIVPAR:W7 Number of living parents	Cont
8	S8LIVPAR	S8LIVPAR:W8 Number of living parents	Cont
9	S9LIVPAR	S9LIVPAR:W9 Number of living parents	Cont
10	S10LIVPAR	S10LIVPAR:W10 Number of living parents	Cont
11	S11LIVPAR	S11LIVPAR:W11 Number of living parents	Cont
12	S12LIVPAR	S12LIVPAR:W12 Number of living parents	Cont
1	R1MOMAGE	R1MOMAGE:W1 Mother age current/at death	Cont
2	R2MOMAGE	R2MOMAGE:W2 Mother age current/at death	Cont
3	R3MOMAGE	R3MOMAGE:W3 Mother age current/at death	Cont
4	R4MOMAGE	R4MOMAGE:W4 Mother age current/at death	Cont
5	R5MOMAGE	R5MOMAGE:W5 Mother age current/at death	Cont
6	R6MOMAGE	R6MOMAGE:W6 Mother age current/at death	Cont
7	R7MOMAGE	R7MOMAGE:W7 Mother age current/at death	Cont
8	R8MOMAGE	R8MOMAGE:W8 Mother age current/at death	Cont
9	R9MOMAGE	R9MOMAGE:W9 Mother age current/at death	Cont
10	R10MOMAGE	R10MOMAGE:W10 Mother age current/at death	Cont
11	R11MOMAGE	R11MOMAGE:W11 Mother age current/at death	Cont
12	R12MOMAGE	R12MOMAGE:W12 Mother age current/at death	Cont
1	S1MOMAGE	S1MOMAGE:W1 Mother age current/at death	Cont
2	S2MOMAGE	S2MOMAGE:W2 Mother age current/at death	Cont
3	S3MOMAGE	S3MOMAGE:W3 Mother age current/at death	Cont
4	S4MOMAGE	S4MOMAGE:W4 Mother age current/at death	Cont
5	S5MOMAGE	S5MOMAGE:W5 Mother age current/at death	Cont
6	S6MOMAGE	S6MOMAGE:W6 Mother age current/at death	Cont
7	S7MOMAGE	S7MOMAGE:W7 Mother age current/at death	Cont
8	S8MOMAGE	S8MOMAGE:W8 Mother age current/at death	Cont
9	S9MOMAGE	S9MOMAGE:W9 Mother age current/at death	Cont
10	S10MOMAGE	S10MOMAGE:W10 Mother age current/at death	Cont
11	S11MOMAGE	S11MOMAGE:W11 Mother age current/at death	Cont
12	S12MOMAGE	S12MOMAGE:W12 Mother age current/at death	Cont
1	R1DADAGE	R1DADAGE:W1 Father age current/at death	Cont
2	R2DADAGE	R2DADAGE:W2 Father age current/at death	Cont
3	R3DADAGE	R3DADAGE:W3 Father age current/at death	Cont
4	R4DADAGE	R4DADAGE:W4 Father age current/at death	Cont
5	R5DADAGE	R5DADAGE:W5 Father age current/at death	Cont
6	R6DADAGE	R6DADAGE:W6 Father age current/at death	Cont
7	R7DADAGE	R7DADAGE:W7 Father age current/at death	Cont
8	R8DADAGE	R8DADAGE:W8 Father age current/at death	Cont
9	R9DADAGE	R9DADAGE:W9 Father age current/at death	Cont
10	R10DADAGE	R10DADAGE:W10 Father age current/at death	Cont
11	R11DADAGE	R11DADAGE:W11 Father age current/at death	Cont
12	R12DADAGE	R12DADAGE:W12 Father age current/at death	Cont
1	S1DADAGE	S1DADAGE:W1 Father age current/at death	Cont
2	S2DADAGE	S2DADAGE:W2 Father age current/at death	Cont
3	S3DADAGE	S3DADAGE:W3 Father age current/at death	Cont
4	S4DADAGE	S4DADAGE:W4 Father age current/at death	Cont
5	S5DADAGE	S5DADAGE:W5 Father age current/at death	Cont
6	S6DADAGE	S6DADAGE:W6 Father age current/at death	Cont
7	S7DADAGE	S7DADAGE:W7 Father age current/at death	Cont
8	S8DADAGE	S8DADAGE:W8 Father age current/at death	Cont
9	S9DADAGE	S9DADAGE:W9 Father age current/at death	Cont
10	S10DADAGE	S10DADAGE:W10 Father age current/at death	Cont
11	S11DADAGE	S11DADAGE:W11 Father age current/at death	Cont
12	S12DADAGE	S12DADAGE:W12 Father age current/at death	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MOMLIV	12483	0.44	0.50	0.0	1.0
R2MOMLIV	19494	0.24	0.43	0.0	1.0
R3MOMLIV	17769	0.21	0.41	0.0	1.0
R4MOMLIV	21066	0.22	0.42	0.0	1.0
R5MOMLIV	19176	0.19	0.40	0.0	1.0
R6MOMLIV	17787	0.17	0.38	0.0	1.0
R7MOMLIV	19768	0.22	0.41	0.0	1.0
R8MOMLIV	18138	0.19	0.39	0.0	1.0
R9MOMLIV	16915	0.17	0.38	0.0	1.0
R10MOMLIV	21683	0.26	0.44	0.0	1.0
R11MOMLIV	20276	0.24	0.42	0.0	1.0
R12MOMLIV	18311	0.21	0.41	0.0	1.0
S1MOMLIV	10119	0.44	0.50	0.0	1.0
S2MOMLIV	13297	0.28	0.45	0.0	1.0
S3MOMLIV	11930	0.25	0.43	0.0	1.0
S4MOMLIV	14020	0.26	0.44	0.0	1.0
S5MOMLIV	12445	0.23	0.42	0.0	1.0
S6MOMLIV	11144	0.21	0.41	0.0	1.0
S7MOMLIV	12521	0.26	0.44	0.0	1.0
S8MOMLIV	11246	0.23	0.42	0.0	1.0
S9MOMLIV	10185	0.21	0.41	0.0	1.0
S10MOMLIV	12909	0.30	0.46	0.0	1.0
S11MOMLIV	11846	0.28	0.45	0.0	1.0
S12MOMLIV	10328	0.25	0.43	0.0	1.0
R1DADLIV	12311	0.19	0.39	0.0	1.0
R2DADLIV	19451	0.09	0.29	0.0	1.0
R3DADLIV	17761	0.08	0.27	0.0	1.0
R4DADLIV	20988	0.09	0.29	0.0	1.0
R5DADLIV	19301	0.08	0.27	0.0	1.0
R6DADLIV	17925	0.06	0.25	0.0	1.0
R7DADLIV	19874	0.10	0.30	0.0	1.0
R8DADLIV	18244	0.08	0.28	0.0	1.0
R9DADLIV	17000	0.07	0.26	0.0	1.0
R10DADLIV	21666	0.13	0.34	0.0	1.0
R11DADLIV	20313	0.11	0.32	0.0	1.0
R12DADLIV	18428	0.10	0.29	0.0	1.0
S1DADLIV	9989	0.19	0.40	0.0	1.0
S2DADLIV	13254	0.11	0.32	0.0	1.0
S3DADLIV	11890	0.10	0.29	0.0	1.0
S4DADLIV	13898	0.11	0.32	0.0	1.0
S5DADLIV	12469	0.10	0.30	0.0	1.0
S6DADLIV	11153	0.08	0.28	0.0	1.0
S7DADLIV	12488	0.12	0.33	0.0	1.0
S8DADLIV	11208	0.11	0.31	0.0	1.0
S9DADLIV	10148	0.09	0.29	0.0	1.0
S10DADLIV	12764	0.16	0.36	0.0	1.0
S11DADLIV	11733	0.14	0.34	0.0	1.0
S12DADLIV	10287	0.12	0.33	0.0	1.0
R1LIVPAR	12296	0.62	0.69	0.0	2.0
R2LIVPAR	19400	0.33	0.58	0.0	2.0
R3LIVPAR	17649	0.29	0.54	0.0	2.0
R4LIVPAR	20904	0.31	0.56	0.0	2.0

R5LIVPAR	19057	0.27	0.54	0.0	2.0
R6LIVPAR	17686	0.24	0.50	0.0	2.0
R7LIVPAR	19646	0.32	0.59	0.0	2.0
R8LIVPAR	18028	0.27	0.55	0.0	2.0
R9LIVPAR	16803	0.24	0.52	0.0	2.0
R10LIVPAR	21460	0.39	0.64	0.0	2.0
R11LIVPAR	20128	0.35	0.61	0.0	2.0
R12LIVPAR	18134	0.30	0.58	0.0	2.0
S1LIVPAR	9979	0.63	0.70	0.0	2.0
S2LIVPAR	13189	0.40	0.62	0.0	2.0
S3LIVPAR	11771	0.35	0.58	0.0	2.0
S4LIVPAR	13804	0.37	0.61	0.0	2.0
S5LIVPAR	12242	0.33	0.59	0.0	2.0
S6LIVPAR	10919	0.29	0.55	0.0	2.0
S7LIVPAR	12268	0.38	0.63	0.0	2.0
S8LIVPAR	10983	0.34	0.60	0.0	2.0
S9LIVPAR	9918	0.30	0.57	0.0	2.0
S10LIVPAR	12526	0.46	0.68	0.0	2.0
S11LIVPAR	11494	0.41	0.65	0.0	2.0
S12LIVPAR	9974	0.36	0.63	0.0	2.0
R1MOMAGE	12482	72.53	13.20	16.0	95.0
R2MOMAGE	18876	73.56	15.11	16.0	110.0
R3MOMAGE	17306	74.09	15.23	16.0	110.0
R4MOMAGE	20470	74.62	14.93	15.0	113.0
R5MOMAGE	18669	74.99	15.08	15.0	113.0
R6MOMAGE	17375	75.37	15.18	16.0	110.0
R7MOMAGE	19373	75.23	14.72	16.0	113.0
R8MOMAGE	17803	75.75	14.82	16.0	113.0
R9MOMAGE	16634	76.19	14.86	16.0	113.0
R10MOMAGE	21368	75.52	14.23	16.0	113.0
R11MOMAGE	19996	76.01	14.36	16.0	114.0
R12MOMAGE	18079	76.40	14.46	16.0	114.0
S1MOMAGE	10115	72.62	13.03	17.0	95.0
S2MOMAGE	12990	73.80	14.52	17.0	110.0
S3MOMAGE	11700	74.43	14.61	17.0	110.0
S4MOMAGE	13594	74.86	14.35	17.0	113.0
S5MOMAGE	12042	75.21	14.52	17.0	113.0
S6MOMAGE	10800	75.84	14.55	17.0	110.0
S7MOMAGE	12184	75.58	14.07	16.0	113.0
S8MOMAGE	10922	76.20	14.20	16.0	110.0
S9MOMAGE	9882	76.69	14.24	16.0	110.0
S10MOMAGE	12628	75.85	13.74	16.0	110.0
S11MOMAGE	11496	76.47	13.86	16.0	110.0
S12MOMAGE	10031	76.94	13.92	16.0	110.0
R1DADAGE	12311	69.87	13.62	16.0	96.0
R2DADAGE	18542	70.64	14.37	16.0	110.0
R3DADAGE	17043	70.78	14.48	16.0	116.0
R4DADAGE	20006	71.04	14.34	19.0	107.0
R5DADAGE	18467	71.26	14.38	19.0	107.0
R6DADAGE	17212	71.42	14.47	19.0	107.0
R7DADAGE	19099	71.50	14.19	12.0	110.0
R8DADAGE	17567	71.62	14.30	12.0	110.0
R9DADAGE	16400	71.88	14.44	12.0	110.0
R10DADAGE	20882	71.88	14.09	12.0	110.0
R11DADAGE	19574	72.07	14.28	12.0	110.0

R12DADAGE	17791	72.25	14.40	12.0	110.0
S1DADAGE	9987	70.03	13.44	16.0	95.0
S2DADAGE	12825	70.60	14.12	16.0	105.0
S3DADAGE	11526	70.77	14.24	16.0	116.0
S4DADAGE	13275	71.08	14.11	19.0	106.0
S5DADAGE	11957	71.39	14.14	19.0	106.0
S6DADAGE	10734	71.60	14.26	19.0	106.0
S7DADAGE	12031	71.77	13.96	12.0	110.0
S8DADAGE	10794	72.00	14.05	12.0	110.0
S9DADAGE	9782	72.25	14.22	12.0	110.0
S10DADAGE	12338	72.13	13.89	12.0	110.0
S11DADAGE	11288	72.38	14.12	12.0	110.0
S12DADAGE	9911	72.68	14.32	12.0	110.0

Categorical Variable Codes

Value	R1MOMLIV	R2MOMLIV	R3MOMLIV	R4MOMLIV	R5MOMLIV	R6MOMLIV	R7MOMLIV
.D=DK/NA	26	9	11	15	14	12	19
.M=Oth missing	143	139	209	296	388	360	341
.R=RF			2	7	1	6	1
0.No	7051	14848	13998	16388	15452	14751	15444
1.Yes	5432	4646	3771	4678	3724	3036	4324

Value	R8MOMLIV	R9MOMLIV	R10MOMLIV	R11MOMLIV	R12MOMLIV
.D=DK/NA	15	12	25	19	18
.M=Oth missing	315	290	324	259	418
.R=RF	1		2		1
0.No	14660	14027	16056	15489	14507
1.Yes	3478	2888	5627	4787	3804

Value	S1MOMLIV	S2MOMLIV	S3MOMLIV	S4MOMLIV	S5MOMLIV	S6MOMLIV	S7MOMLIV
.D=DK/NA	22	7	13	14	12	8	15
.M=Oth missing	138	368	387	474	583	592	602
.R=RF			3	7	1	5	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR						110	214
0.No	5652	9523	8909	10311	9527	8832	9236
1.Yes	4467	3774	3021	3709	2918	2312	3285

Value	S8MOMLIV	S9MOMLIV	S10MOMLIV	S11MOMLIV	S12MOMLIV
.D=DK/NA	8	9	19	11	9
.M=Oth missing	642	633	686	727	804
.R=RF	1		2		1
.U=Unmarried	6417	6205	9093	8850	8590
.V=Spouse NR	155	185	474	366	381
0.No	8606	8027	8993	8549	7788
1.Yes	2640	2158	3916	3297	2540

Value	R1DADLIV	R2DADLIV	R3DADLIV	R4DADLIV	R5DADLIV	R6DADLIV	R7DADLIV
.D=DK/NA	169	58	40	67	45	28	57
.M=Oth missing	172	132	188	323	232	206	198
.R=RF		1	2	6	1	6	
0.No	10019	17642	16393	19112	17800	16765	17923
1.Yes	2292	1809	1368	1876	1501	1160	1951

Value	R8DADLIV	R9DADLIV	R10DADLIV	R11DADLIV	R12DADLIV
.D=DK/NA	46	46	141	88	81
.M=Oth missing	178	171	224	151	238
.R=RF	1		3	2	1
0.No	16740	15797	18873	18034	16663
1.Yes	1504	1203	2793	2279	1765

Value	S1DADLIV	S2DADLIV	S3DADLIV	S4DADLIV	S5DADLIV	S6DADLIV	S7DADLIV
.D=DK/NA	122	42	35	55	36	17	32
.M=Oth missing	168	375	403	553	534	581	609
.R=RF		1	5	9	2	6	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR						102	223
0.No	8055	11747	10756	12333	11209	10207	10935
1.Yes	1934	1507	1134	1565	1260	946	1553

Value	S8DADLIV	S9DADLIV	S10DADLIV	S11DADLIV	S12DADLIV
.D=DK/NA	26	30	75	48	46
.M=Oth missing	665	672	755	833	853
.R=RF	1		2		
.U=Unmarried	6417	6205	9093	8850	8590
.V=Spouse NR	152	162	494	336	337
0.No	10015	9206	10746	10113	9045
1.Yes	1193	942	2018	1620	1242

How Constructed

RwMOMAGE and RwDADAGE are assigned respectively to the Respondent's mother's and the Respondent's father's current age if living or age at death if deceased. SwMOMAGE and SwDADAGE are assigned respectively to the Respondent's mother-in-law's and Respondent's father-in-law's current age or age at death.

RwMOMLIV and RwDADLIV flag whether a Respondent's mother and father, respectively, are still alive. SwMOMLIV and SwDADLIV flag whether a Respondent's mother-in-law and father-in-law, respectively, are still alive. If the parent is alive, then the derived mortality status is set to "1;" if deceased, it is set to "0."

RwLIVPAR counts a Respondent's own living parents and SwLIVPAR counts a Respondent's living parents-in-law. They are derived by summing the RwMOMLIV and RwDADLIV variables. If either RwMOMLIV or RwDADLIV is missing, then RwLIVPAR is missing.

If the Respondent is unmarried, RwMOMAGE, RwDADAGE, SwMOMLIV, SwDADLIV, and RwLIVPAR are assigned .U missing values. In waves where the spouse did not provide an interview and the Respondent only reports on his/her own parents, they are assigned .V missing values.

For Waves 1 and 2H, the derivations use preprocessed variables that assign parent and in-law information to Respondents. In Waves 3H, 4, and 5, the derivations use household-level data, taking into account whether the Respondent is the Family Respondent or not. If the Respondent is the Family Respondent, then parent data are assigned to the Respondent's

parent variables and parent-in-law data are assigned to the spouse's parent variables. If the Respondent is not the Family Respondent, then parent-in-law data are assigned to the Respondent's parent variables and parent data are assigned to the Respondent's parent-in-law variables. In Waves 2A and 3A and from Wave 6 forward, parent data are collected from Respondents about their own parents. Information about parents-in-law is assigned from the spouse's report on his/her own parents.

If a parent is reported deceased at an interview and the parent data is missing at a subsequent interview, the data is carried forward. If the parent data is given at an interview but is missing at a prior interview, the data is carried back. When carrying data forward or back for in-laws, the spouse IDs are compared to ensure that the information is for the same spouse.

Cross Wave Differences in Original HRS Data

Information about parent mortality and age is reported in the Family Section at each interview. In Waves 1, 2H, 3H, 4, and 5, the designated Family Respondent answers all questions about parents and parents-in-law in a couple household. In Waves 2A and 3A, and from Wave 6 forward, each Respondent answers the questions about his/her own parents.

In Waves 1 and 2H, the raw HRS data provides parent data in separate modules with observations by parent. In Wave 2H there may be multiple observations per parent. The modules may include information on up to 4 parents per household with the Family Respondent's parents and in-laws. In Waves 2A and 3A, and from Wave 6 forward, the raw data provide parent data in Respondent level variables with one observation per Respondent. In Waves 3H, 4 and 5 the raw HRS data provide parent data in household level variables with one observation per household holding information on up to four parents.

Preprocessing of Wave 1 and 2H data collapses the parent-level observations to each Respondent as a set of 4 variables for each measure pertaining to the Respondent's mother, father, mother-in-law, and father-in-law. The process takes into account whether the Respondent is the Family Respondent or not. For Waves 2A and 3A, and from Wave 6 forward, each Respondent provides information about their own mother and father, regardless of who the Family Respondent is. Information about parents-in-law is based on the spouse's responses. In Waves 3H, 4, and 5 the assignment of parent data is adjusted to account for the Respondent's Family Respondent status.

Concerning RwMOMAGE and RwDADAGE if a parent is living, a question asks how old the parent is. If the parent is deceased a question asks how old the parent was when he/she died. In Waves 1 and 2H the question wordings are: "How old is she/he?" and "How old was he/she when he/she died?" In Waves 2A and 3H, and from Wave 4 forward, the wording is slightly different: "About how old is she/he?" and "About how old was he/she when he/she died?" These questions are skipped if preloaded information indicates that the Respondent reported the parent deceased at a previous interview.

Unlike other waves, Respondents in Wave 2A who either don't recall, or refuse to answer the question about their parents' age at death, enter into a sequence of two "bracket" questions ("Was he/she older than 65?"; and "Was he/she older than 85?") The pattern of responses to these questions is captured in four special missing codes (.E = died before 65; .F = died between 65-85; and .G = died after 65+; and .H = died after age 85+).

Concerning RwMOMLIV, RwDADLIV, and RwLIVPAR in Wave 1, a question asks: "Is [your, your spouse/partner's] [mother, father] living now?" At subsequent interviews the question is: "Is [your, your spouse/partner's] [mother, father] still living?" This question is skipped if preloaded information indicates that the Respondent reported that the parent had died at a previous interview.

From Wave 7 forward, the answer is set to "Yes" without asking the question if the parent is a resident in the Respondent's household.

HRS Variables Used

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HRS 1992:
    V8203PF         PARS:ALIVE NOW? /Sp-Prtnr Dad
    V8203PM         PARS:ALIVE NOW? /Sp-Prtnr Mom
    V8203RF         PARS:ALIVE NOW? /Own Dad
    V8203RM         PARS:ALIVE NOW? /Own Mom
    V8205PF         PARS:AGE            :IMP /Sp-Prtnr Dad
    V8205PM         PARS:AGE            :IMP /Sp-Prtnr Mom
    V8205RF         PARS:AGE            :IMP /Own Dad
    V8205RM         PARS:AGE            :IMP /Own Mom
    V8209PF         PARS:AGE WHEN DIED  :IMP /Sp-Prtnr Dad
    V8209PM         PARS:AGE WHEN DIED  :IMP /Sp-Prtnr Mom
    V8209RF         PARS:AGE WHEN DIED  :IMP /Own Dad
    V8209RM         PARS:AGE WHEN DIED  :IMP /Own Mom
AHEAD 1993:
    B565            D60. MOTHER LIVING
    B566            D61a. MOTHER AGE
    B572            D61c. MOTHER AGE DIED
    B573            D61d. MOTHER AGE DIED DK 65+
    B575            D61e. MOTHER AGE DIED DK 85+
    B576            D62. FATHER LIVING
    B577            D63a. FATHER AGE
    B583            D63c. FATHER AGE DIED
    B584            D63d. FATHER AGE DIED DK 65+
    B586            D63e. FATHER AGE DIED DK 85+
HRS 1994:
    W8201PF         Parent still living? /P Dad
    W8201PM         Parent still living? /P Mom
    W8201RF         Parent still living? /R Dad
    W8201RM         Parent still living? /R Mom
    W8202PF         Parent age /P Dad
    W8202PM         Parent age /P Mom
    W8202RF         Parent age /R Dad
    W8202RM         Parent age /R Mom
    W8206PF         Parent age at death /P Dad
    W8206RF         Parent age at death /R Dad
    W950            E: R Mother Alive Now
    W951            E: R Father Alive Now
    W954            E: S/P Mother Alive Now
    W955            E: S/P Father Alive Now
    W958            EE: R Mother Alive Now
    W959            EE: R Father Alive Now
    W960            EE: S/P Mother Alive Now
    W961            EE: S/P Father Alive Now
AHEAD 1995:
    D1613           D90.MOTHER LIVING
    D1614           D91A.MOTHER AGE
    D1617           D91D. AGE MOTHER DIED
    D1621           D92.FATHER LIVING
    D1622           D93A.FATHER AGE
    D1629           D93C.FATHER AGE DIED
HRS 1996:
    ER1557_1        D90.MOTHER LIVING/Self
    ER1557_2        D90.MOTHER-IN-LAW LIVING/Self
    ER1558_1        D91A.MOTHER AGE/Self
    ER1558_2        D91A.MOTHER-IN-LAW AGE/Self
    ER1561_1        D92A. AGE MOTHER DIED/Self
    ER1561_2        D92A. AGE MOTHER-IN-LAW DIED/Self
    ER1566_1        D93.FATHER LIVING/Self
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    ER1566_2        D93.FATHER-IN-LAW LIVING/Self
    ER1567_1        D94A.FATHER AGE/Self
    ER1567_2        D94A.FATHER-IN-LAW AGE/Self
    ER1570_1        D95A.FATHER AGE DIED/Self
    ER1570_2        D95A.FATHER-IN-LAW AGE DIED/Self
    ER1666_1        D145_.CKPT PARENTS ALIVE/Self
    ER1666_2        D145.CKPT PARENTS-IN-LAW ALIVE/Self
HRS 1998:
    F1906           D90.MOTHER LIVING
    F1907           D91A.MOTHER AGE
    F1911           D92A. AGE MOTHER DIED
    F1916           D93.FATHER LIVING
    F1917           D94A.FATHER AGE
    F1921           D95A.FATHER AGE DIED
    F2068           D90-2.MOTHER-IN-LAW LIVING
    F2069           D91A-2.MOTHER-IN-LAW AGE
    F2073           D92A-2. AGE MOTHER-IN-LAW DIED
    F2078           D93-2.FATHER-IN-LAW LIVING
    F2079           D94A-2.FATHER-IN-LAW AGE
    F2083           D95A-2.FATHER-IN-LAW AGE DIED
HRS 2000:
    G2122           D90.MOTHER LIVING
    G2123           D91A.MOTHER AGE
    G2127           D92A. AGE MOTHER DIED
    G2132           D93.FATHER LIVING
    G2133           D94A.FATHER AGE
    G2137           D95A.FATHER AGE DIED
    G2309           D90-2.MOTHER-IN-LAW LIVING
    G2310           D91A-2.MOTHER-IN-LAW AGE
    G2314           D92A-2. AGE MOTHER-IN-LAW DIED
    G2319           D93-2.FATHER-IN-LAW LIVING
    G2324           D95A-2.FATHER-IN-LAW AGE DIED
    G658            CS15Y63.SAME SPOUSE AS LAST WAVE
HRS 2002:
    HF001           MOTHER ALIVE
    HF002           MOTHERS AGE
    HF006           AGE MOTHER DIED
    HF011           FATHER ALIVE
    HF012           FATHER AGE
    HF016           AGE FATHER DIED
HRS 2004:
    JF001           MOTHER ALIVE
    JF002           MOTHERS AGE
    JF006           AGE MOTHER DIED
    JF011           FATHER ALIVE
    JF012           FATHER AGE
    JF016           AGE FATHER DIED
HRS 2006:
    KF001           MOTHER ALIVE
    KF002           MOTHERS AGE
    KF006           AGE MOTHER DIED
    KF011           FATHER ALIVE
    KF012           FATHER AGE
    KF016           AGE FATHER DIED
HRS 2008:
    LF001           MOTHER ALIVE
    LF002           MOTHERS AGE
    LF006           AGE MOTHER DIED
    LF011           FATHER ALIVE
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    LF012           FATHER AGE
    LF016           AGE FATHER DIED
HRS 2010:
    MF001           MOTHER ALIVE
    MF002           MOTHERS AGE
    MF006           AGE MOTHER DIED
    MF011           FATHER ALIVE
    MF012           FATHER AGE
    MF016           AGE FATHER DIED
HRS 2012:
    NF001           MOTHER ALIVE
    NF002           MOTHERS AGE
    NF006           AGE MOTHER DIED
    NF011           FATHER ALIVE
    NF012           FATHER AGE
    NF016           AGE FATHER DIED
HRS 2014:
    OF001           MOTHER ALIVE
    OF002           MOTHERS AGE
    OF006           AGE MOTHER DIED
    OF011           FATHER ALIVE
    OF012           FATHER AGE
    OF016           AGE FATHER DIED
Tracker:
    AFAMR           1992 WHETHER FAMILY RESPONDENT
    APPN            1992 SPOUSE-PARTNER PERSON NUMBER
    BPPN            1993 SPOUSE-PARTNER PERSON NUMBER
    CFAMR           1994 WHETHER FAMILY RESPONDENT
    CPPN            1994 SPOUSE-PARTNER PERSON NUMBER
    DPPN            1995 SPOUSE-PARTNER PERSON NUMBER
    EFAMR           1996 WHETHER FAMILY RESPONDENT
    EPPN            1996 SPOUSE-PARTNER PERSON NUMBER
    FFAMR           1998 WHETHER FAMILY RESPONDENT
    FPPN            1998 SPOUSE-PARTNER PERSON NUMBER
    GFAMR           2000 WHETHER FAMILY RESPONDENT
    GPPN            2000 SPOUSE-PARTNER PERSON NUMBER
    HFAMR           2002 WHETHER FAMILY RESPONDENT
    HPPN            2002 SPOUSE-PARTNER PERSON NUMBER
    JFAMR           2004 WHETHER FAMILY RESPONDENT
    JPPN            2004 SPOUSE-PARTNER PERSON NUMBER
    KFAMR           2006 WHETHER FAMILY RESPONDENT
    KPPN            2006 SPOUSE-PARTNER PERSON NUMBER
    LFAMR           2008 WHETHER FAMILY RESPONDENT
    LPPN            2008 SPOUSE-PARTNER PERSON NUMBER
    MFAMR           2010 WHETHER FAMILY RESPONDENT
    MPPN            2010 SPOUSE-PARTNER PERSON NUMBER
    NFAMR           2012 WHETHER FAMILY RESPONDENT
    NPPN            2012 SPOUSE-PARTNER PERSON NUMBER
    OFAMR           2014 WHETHER FAMILY RESPONDENT
    OPPN            2014 SPOUSE-PARTNER PERSON NUMBER
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Section B: Health

Self-report of health

Wave	Variable	Label	Type
1	R1SHLT	R1SHLT:W1 Self-report of health	Categ
2	R2SHLT	R2SHLT:W2 Self-report of health	Categ
3	R3SHLT	R3SHLT:W3 Self-report of health	Categ
4	R4SHLT	R4SHLT:W4 Self-report of health	Categ
5	R5SHLT	R5SHLT:W5 Self-report of health	Categ
6	R6SHLT	R6SHLT:W6 Self-report of health	Categ
7	R7SHLT	R7SHLT:W7 Self-report of health	Categ
8	R8SHLT	R8SHLT:W8 Self-report of health	Categ
9	R9SHLT	R9SHLT:W9 Self-report of health	Categ
10	R10SHLT	R10SHLT:W10 Self-report of health	Categ
11	R11SHLT	R11SHLT:W11 Self-report of health	Categ
12	R12SHLT	R12SHLT:W12 Self-report of health	Categ
1	S1SHLT	S1SHLT:W1 Self-report of health	Categ
2	S2SHLT	S2SHLT:W2 Self-report of health	Categ
3	S3SHLT	S3SHLT:W3 Self-report of health	Categ
4	S4SHLT	S4SHLT:W4 Self-report of health	Categ
5	S5SHLT	S5SHLT:W5 Self-report of health	Categ
6	S6SHLT	S6SHLT:W6 Self-report of health	Categ
7	S7SHLT	S7SHLT:W7 Self-report of health	Categ
8	S8SHLT	S8SHLT:W8 Self-report of health	Categ
9	S9SHLT	S9SHLT:W9 Self-report of health	Categ
10	S10SHLT	S10SHLT:W10 Self-report of health	Categ
11	S11SHLT	S11SHLT:W11 Self-report of health	Categ
12	S12SHLT	S12SHLT:W12 Self-report of health	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SHLT	12652	2.58	1.21	1.0	5.0
R2SHLT	19632	2.81	1.19	1.0	5.0
R3SHLT	17984	2.79	1.18	1.0	5.0
R4SHLT	21378	2.92	1.18	1.0	5.0
R5SHLT	19571	2.84	1.16	1.0	5.0
R6SHLT	18154	2.88	1.13	1.0	5.0
R7SHLT	20112	2.88	1.14	1.0	5.0
R8SHLT	18444	2.88	1.13	1.0	5.0
R9SHLT	17203	2.94	1.11	1.0	5.0
R10SHLT	22023	2.89	1.11	1.0	5.0
R11SHLT	20533	2.90	1.10	1.0	5.0
R12SHLT	18732	2.95	1.07	1.0	5.0
S1SHLT	9900	2.51	1.17	1.0	5.0
S2SHLT	13084	2.70	1.16	1.0	5.0
S3SHLT	11911	2.69	1.15	1.0	5.0
S4SHLT	13973	2.82	1.15	1.0	5.0
S5SHLT	12726	2.73	1.13	1.0	5.0
S6SHLT	11637	2.75	1.10	1.0	5.0
S7SHLT	12962	2.77	1.12	1.0	5.0
S8SHLT	11723	2.76	1.11	1.0	5.0
S9SHLT	10640	2.83	1.08	1.0	5.0
S10SHLT	13510	2.78	1.09	1.0	5.0
S11SHLT	12477	2.79	1.08	1.0	5.0
S12SHLT	11024	2.85	1.05	1.0	5.0

Categorical Variable Codes

Value	R1SHLT	R2SHLT	R3SHLT	R4SHLT	R5SHLT	R6SHLT	R7SHLT
.D=DK/NA		8	3	6	7	8	13
.M=Oth missing			2				
.R=RF		2	2		1	3	4
1.Excellent	2807	2982	2664	2633	2473	2049	2363
2.Very good	3481	5241	5078	5467	5652	5080	5476
3.Good	3544	5812	5262	6541	5903	5739	6280
4.Fair	1807	3660	3325	4400	3681	3616	4135
5.Poor	1013	1937	1655	2337	1862	1670	1858

Value	R8SHLT	R9SHLT	R10SHLT	R11SHLT	R12SHLT
.D=DK/NA	23	11	11	15	14
.M=Oth missing	1			1	
.R=RF	1	3		5	2
1.Excellent	2032	1550	2190	1929	1484
2.Very good	5261	4881	6394	6056	5255
3.Good	5623	5514	6898	6511	6251
4.Fair	3874	3625	4652	4300	4239
5.Poor	1654	1633	1889	1737	1503

Value	S1SHLT	S2SHLT	S3SHLT	S4SHLT	S5SHLT	S6SHLT	S7SHLT
.D=DK/NA		3	2	5	4	2	7
.M=Oth missing			2				
.R=RF		1					3
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.Excellent	2293	2166	1926	1871	1769	1498	1718
2.Very good	2848	3819	3618	3887	3984	3580	3857
3.Good	2809	3844	3487	4360	3842	3700	4080
4.Fair	1287	2225	1990	2606	2147	2037	2339
5.Poor	663	1030	890	1249	984	822	968

Value	S8SHLT	S9SHLT	S10SHLT	S11SHLT	S12SHLT
.D=DK/NA	12	5	3	7	7
.M=Oth missing				1	
.R=RF		1		3	
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Excellent	1502	1076	1495	1307	977
2.Very good	3627	3276	4325	3998	3356
3.Good	3612	3516	4231	4002	3759
4.Fair	2144	1978	2512	2310	2206
5.Poor	838	794	947	860	726

How Constructed

RwSHLT is the Respondent's self-reported general health status. Codes range from "1" for Excellent to "5" for Poor. SwSHLT is the Respondent's spouse or partner's self-reported general health status.

RwSHLT is assigned the value of the raw variable except where the missing values for don't know, refused, and other missings are recoded to .D, .R, and .M, respectively.

RwSHLT and SwSHLT are used in the construction of a change in health variable RwSHLTC. Please see "Change in Health" for a description of these measures.

The SwSHLT variables are taken from the Wave "w" spouse's self-reported RwSHLT variables.

Cross Wave Differences in Original HRS Data

In Wave 1 values for self-reported health status are imputed by HRS if missing. These imputations are used. From Wave 2 forward, values are not imputed by HRS.

HRS Variables Used

```
HRS 1992:
    V301            B1:RATE CURRENT HEAL:IMP
AHEAD 1993:
    B204            B1. RATE HEALTH
HRS 1994:
    W301            B1.RATE CURRENT HEALTH
AHEAD 1995:
    D769            B1. RATE HEALTH
HRS 1996:
    E769            B1. RATE HEALTH
HRS 1998:
    F1097           B1. RATE HEALTH
HRS 2000:
    G1226           B1. RATE HEALTH
HRS 2002:
    HC001           RATE HEALTH
HRS 2004:
    JC001           RATE HEALTH
HRS 2006:
    KC001           RATE HEALTH
HRS 2008:
    LC001           RATE HEALTH
HRS 2010:
    MC001           RATE HEALTH
HRS 2012:
    NC001           RATE HEALTH
HRS 2014:
    OC001           RATE HEALTH
```

Self-report of health change

Wave	Variable	Label	Type
1	R1HLTC	R1HLTC:W1 Self-report of health change	Categ
2	R2HLTC	R2HLTC:W2 Self-report of health change	Categ
3	R3HLTC	R3HLTC:W3 Self-report of health change	Categ
4	R4HLTC	R4HLTC:W4 Self-report of health change	Categ
5	R5HLTC	R5HLTC:W5 Self-report of health change	Categ
6	R6HLTC	R6HLTC:W6 Self-report of health change	Categ
7	R7HLTC	R7HLTC:W7 Self-report of health change	Categ
8	R8HLTC	R8HLTC:W8 Self-report of health change	Categ
9	R9HLTC	R9HLTC:W9 Self-report of health change	Categ
10	R10HLTC	R10HLTC:W10 Self-report of health change	Categ
11	R11HLTC	R11HLTC:W11 Self-report of health change	Categ
12	R12HLTC	R12HLTC:W12 Self-report of health change	Categ
1	S1HLTC	S1HLTC:W1 Self-report of health change	Categ
2	S2HLTC	S2HLTC:W2 Self-report of health change	Categ
3	S3HLTC	S3HLTC:W3 Self-report of health change	Categ
4	S4HLTC	S4HLTC:W4 Self-report of health change	Categ
5	S5HLTC	S5HLTC:W5 Self-report of health change	Categ
6	S6HLTC	S6HLTC:W6 Self-report of health change	Categ
7	S7HLTC	S7HLTC:W7 Self-report of health change	Categ
8	S8HLTC	S8HLTC:W8 Self-report of health change	Categ
9	S9HLTC	S9HLTC:W9 Self-report of health change	Categ
10	S10HLTC	S10HLTC:W10 Self-report of health change	Categ
11	S11HLTC	S11HLTC:W11 Self-report of health change	Categ
12	S12HLTC	S12HLTC:W12 Self-report of health change	Categ
3	R3HLTCF	R3HLTCF:W3 Flag self-report of hlth chg	Categ
4	R4HLTCF	R4HLTCF:W4 Flag self-report of hlth chg	Categ
5	R5HLTCF	R5HLTCF:W5 Flag self-report of hlth chg	Categ
6	R6HLTCF	R6HLTCF:W6 Flag self-report of hlth chg	Categ
7	R7HLTCF	R7HLTCF:W7 Flag self-report of hlth chg	Categ
8	R8HLTCF	R8HLTCF:W8 Flag self-report of hlth chg	Categ
9	R9HLTCF	R9HLTCF:W9 Flag self-report of hlth chg	Categ
10	R10HLTCF	R10HLTCF:W10 Flag self-report of hlth chg	Categ
11	R11HLTCF	R11HLTCF:W11 Flag self-report of hlth chg	Categ
12	R12HLTCF	R12HLTCF:W12 Flag self-report of hlth chg	Categ
3	S3HLTCF	S3HLTCF:W3 Flag self-report of hlth chg	Categ
4	S4HLTCF	S4HLTCF:W4 Flag self-report of hlth chg	Categ
5	S5HLTCF	S5HLTCF:W5 Flag self-report of hlth chg	Categ
6	S6HLTCF	S6HLTCF:W6 Flag self-report of hlth chg	Categ
7	S7HLTCF	S7HLTCF:W7 Flag self-report of hlth chg	Categ
8	S8HLTCF	S8HLTCF:W8 Flag self-report of hlth chg	Categ
9	S9HLTCF	S9HLTCF:W9 Flag self-report of hlth chg	Categ
10	S10HLTCF	S10HLTCF:W10 Flag self-report of hlth chg	Categ
11	S11HLTCF	S11HLTCF:W11 Flag self-report of hlth chg	Categ
12	S12HLTCF	S12HLTCF:W12 Flag self-report of hlth chg	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HLTC	12651	2.94	0.73	1.0	5.0
R2HLTC	19631	3.10	0.94	1.0	5.0
R3HLTC	17786	3.16	0.81	1.0	5.0
R4HLTC	16284	3.23	0.83	1.0	5.0
R5HLTC	19300	3.19	0.80	1.0	5.0
R6HLTC	17920	3.22	0.80	1.0	5.0
R7HLTC	16642	3.19	0.59	2.0	4.0
R8HLTC	18236	3.17	0.59	2.0	4.0

R9HLTC	17053	3.18	0.59	2.0	4.0
R10HLTC	15564	3.18	0.59	2.0	4.0
R11HLTC	20003	3.12	0.59	2.0	4.0
R12HLTC	18533	3.13	0.58	2.0	4.0
S1HLTC	9899	2.92	0.70	1.0	5.0
S2HLTC	13080	3.07	0.86	1.0	5.0
S3HLTC	11735	3.13	0.78	1.0	5.0
S4HLTC	10469	3.19	0.79	1.0	5.0
S5HLTC	12476	3.16	0.77	1.0	5.0
S6HLTC	11416	3.17	0.76	1.0	5.0
S7HLTC	10477	3.16	0.58	2.0	4.0
S8HLTC	11525	3.14	0.57	2.0	4.0
S9HLTC	10496	3.15	0.57	2.0	4.0
S10HLTC	9400	3.16	0.58	2.0	4.0
S11HLTC	12025	3.10	0.58	2.0	4.0
S12HLTC	10850	3.10	0.57	2.0	4.0
R3HLTCF	17991	0.10	0.96	0.0	9.0
R4HLTCF	21384	2.15	3.84	0.0	9.0
R5HLTCF	19579	0.13	1.07	0.0	9.0
R6HLTCF	18165	0.12	1.04	0.0	9.0
R7HLTCF	20129	2.20	3.24	0.0	9.0
R8HLTCF	18469	0.86	1.33	0.0	9.0
R9HLTCF	17217	0.83	1.25	0.0	9.0
R10HLTCF	22034	3.18	3.84	0.0	9.0
R11HLTCF	20554	0.96	1.64	0.0	9.0
R12HLTCF	18748	0.81	1.30	0.0	9.0
S3HLTCF	11915	0.14	1.10	0.0	9.0
S4HLTCF	13978	2.26	3.90	0.0	9.0
S5HLTCF	12730	0.18	1.26	0.0	9.0
S6HLTCF	11639	0.17	1.23	0.0	9.0
S7HLTCF	12972	2.31	3.38	0.0	9.0
S8HLTCF	11735	0.85	1.45	0.0	9.0
S9HLTCF	10646	0.81	1.36	0.0	9.0
S10HLTCF	13513	3.24	3.89	0.0	9.0
S11HLTCF	12488	1.00	1.83	0.0	9.0
S12HLTCF	11031	0.80	1.41	0.0	9.0

Categorical Variable Codes

Value	R1HLTC	R2HLTC	R3HLTC	R4HLTC	R5HLTC	R6HLTC	R7HLTC
.D=DK/NA		7	4	7	8	12	10
.M=Oth missing	1		2	3	5	6	5
.P=No prv IW			196	5090	265	226	3471
.R=RF		4	3		1	1	1
1.Much better	714	1558	824	642	802	686	
2.Somewhat better	1276	1008	1040	895	1060	905	1675
3.Same	9072	13236	11620	10169	12438	11343	10195
4.Somewhat worse	1248	1634	3120	3281	3718	3715	4772
5.Much worse	341	2195	1182	1297	1282	1271	

Value	R8HLTC	R9HLTC	R10HLTC	R11HLTC	R12HLTC
.D=DK/NA	16	20	16	27	28
.M=Oth missing	7		11	188	5
.P=No prv IW	207	143	6439	331	178
.R=RF	3	1	4	5	4
2.Somewhat better	1887	1712	1540	2424	2120
3.Same	11364	10640	9611	12659	11946
4.Somewhat worse	4985	4701	4413	4920	4467

Value	S1HLTC	S2HLTC	S3HLTC	S4HLTC	S5HLTC	S6HLTC	S7HLTC
.D=DK/NA		5	1	3	3	7	5
.M=Oth missing	1		2	3	4	6	5
.P=No prv IW			175	3503	247	209	2484
.R=RF		3	2			1	1
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.Much better	544	870	524	411	517	441	
2.Somewhat better	1011	765	713	576	677	585	1043
3.Same	7234	9176	7900	6831	8301	7579	6707
4.Somewhat worse	895	1172	1955	1966	2312	2199	2727
5.Much worse	215	1097	643	685	669	612	

Value	S8HLTC	S9HLTC	S10HLTC	S11HLTC	S12HLTC
.D=DK/NA	5	10	3	11	9
.M=Oth missing	6		11	138	5
.P=No prv IW	198	139	4096	313	167
.R=RF	1	1	3	1	
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
2.Somewhat better	1197	1051	940	1448	1241
3.Same	7500	6861	6008	7879	7237
4.Somewhat worse	2828	2584	2452	2698	2372

Value	R3HLTCF	R4HLTCF	R5HLTCF	R6HLTCF	R7HLTCF
0.No missing	17776	16278	19288	17909	10195
1.F1=.,filled frm F2	1				
2.F2=.,set to somewhat	9	6	12	11	6447
9.Both missing	205	5100	279	245	3487

Value	R8HLTCF	R9HLTCF	R10HLTCF	R11HLTCF	R12HLTCF
0.No missing	11364	10640	9611	12659	11946
2.F2=.,set to somewhat	6872	6413	5953	7344	6587
9.Both missing	233	164	6470	551	215

Value	S3HLTCF	S4HLTCF	S5HLTCF	S6HLTCF	S7HLTCF
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No missing	11733	10468	12469	11409	6707
1.F1=.,filled frm F2	1				
2.F2=.,set to somewhat	1	1	7	7	3770
9.Both missing	180	3509	254	223	2495

Value	S8HLTCF	S9HLTCF	S10HLTCF	S11HLTCF	S12HLTCF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No missing	7500	6861	6008	7879	7237
2.F2=.,set to somewhat	4025	3635	3392	4146	3613
9.Both missing	210	150	4113	463	181

How Constructed

RwHLTC is the Respondent's self-reported change in health since the last interview or in the last two years. SwHLTC is the Respondent's spouse or partner's self-reported change in health.

In Waves 1 and 2 RwHLTC is derived directly from the raw variables, with missing values recoded. For subsequent waves the question is asked in two parts, one for whether the Respondent's health is better or worse, and a follow-up question revealing how much better or worse. The derivation combines the lead-in and follow-up questions to arrive at the same 5-point scale used in the single Wave 1 and 2 questions. A few cases are missing values for one of the questions. If the follow-up question is not missing, its answer is used. If the lead-in question is answered but the follow-up is missing, "somewhat" was assumed and these cases are flagged in the RwHLTCF and SwHLTCF variables. Most cases that answer both questions give "somewhat" as the follow-up answer. From Wave 7 forward, the follow-up questions have been dropped, and the Respondent is asked only if health is better, about the same or worse since the last interview.

Please see also the calculated change in self-reported health variable (RwSHLTC) described later in this section. Note that RwHLTC asks the Respondent to assess retrospectively how his/her health has changed since the last interview while RwSHLTC compares measures of self-reported current health from the two time points.

The SwHLTC variables are taken from the Wave "w" spouse's self-reported RwHLTC variables.

Cross Wave Differences in Original HRS Data

In Wave 1, the question asks the Respondent to compare his/her health to that of 1 year ago. The question asks the Respondent to rate change in health into 5 categories: "much better," "somewhat better," "about the same," "somewhat worse," and "much worse."

In Wave 2H, the question asks the Respondent to compare his/her health to that of 2 years ago or the Wave 1 interview. The question uses the same 5-category ratings as Wave 1. The question is skipped for interviews by proxy for deceased Respondents.

In Wave 2A, the question asks the Respondent to compare his/her health to that of 1 year ago. The question uses 3-category ratings: "better," "about the same," and "worse."

The question is asked for all Respondents.

From Wave 3 forward, the question is only asked of those who had a prior interview, and asks the Respondent to compare his/her health to that at the time of the last interview. It is asked in two parts. The first question asks the Respondent if health is "better," "about the same," or "worse" since the last interview. If the Respondent responds better, a follow-up question asks whether it is much better or somewhat better. Similarly if the Respondent responds worse, the follow-up asks whether it is much worse or somewhat worse.

From Wave 7 forward, the follow-up questions have been dropped, and the Respondent is asked only if health is better, about the same, or worse since the last interview.

HRS Variables Used

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HRS 1992:
    V302            B2:HEALTH:NOW, 1 YR :IMP
AHEAD 1993:
    B208            B2. RATE HEALTH PAST
HRS 1994:
    W302            B2.HEALTH NOW VERSUS 2 Y
AHEAD 1995:
    D772            B1A.RATE HEALTH PAST
    D776            B1B.RATE BETTER
    D777            B1C.RATE WORSE
HRS 1996:
    E772            B1A.RATE HEALTH PAST
    E776            B1B.RATE BETTER
    E777            B1C.RATE WORSE
HRS 1998:
    F1100           B1A.RATE HEALTH PAST
    F1104           B1B.RATE BETTER
    F1105           B1C.RATE WORSE
HRS 2000:
    G1229           B1A.RATE HEALTH PAST
    G1233           B1B.RATE BETTER
    G1234           B1C.RATE WORSE
HRS 2002:
    HC002           COMPARE HEALTH TO PREVIOUS WAVE
    HC003           HEALTH BETTER-DEGREE
    HC004           HEALTH WORSE-DEGREE
HRS 2004:
    JC002           COMPARE HEALTH TO PREVIOUS WAVE
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HRS 2006:
    KC002           COMPARE HEALTH TO PREVIOUS WAVE
HRS 2008:
    LC002           COMPARE HEALTH TO PREVIOUS WAVE
HRS 2010:
    MC002           COMPARE HEALTH TO PREVIOUS WAVE
HRS 2012:
    NC002           COMPARE HEALTH TO PREVIOUS WAVE
HRS 2014:
    OC002           COMPARE HEALTH TO PREVIOUS WAVE
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Medical care utilization: Hospital

Wave	Variable	Label	Type
1	R1HOSP	R1HOSP:W1 Hospital stay, prv 12 mos	Categ
2	R2HOSP	R2HOSP:W2 Hospital stay, prv 2 yrs	Categ
3	R3HOSP	R3HOSP:W3 Hospital stay, prv 2 yrs	Categ
4	R4HOSP	R4HOSP:W4 Hospital stay, prv 2 yrs	Categ
5	R5HOSP	R5HOSP:W5 Hospital stay, prv 2 yrs	Categ
6	R6HOSP	R6HOSP:W6 Hospital stay, prv 2 yrs	Categ
7	R7HOSP	R7HOSP:W7 Hospital stay, prv 2 yrs	Categ
8	R8HOSP	R8HOSP:W8 Hospital stay, prv 2 yrs	Categ
9	R9HOSP	R9HOSP:W9 Hospital stay, prv 2 yrs	Categ
10	R10HOSP	R10HOSP:W10 Hospital stay, prv 2 yrs	Categ
11	R11HOSP	R11HOSP:W11 Hospital stay, prv 2 yrs	Categ
12	R12HOSP	R12HOSP:W12 Hospital stay, prv 2 yrs	Categ
1	S1HOSP	S1HOSP:W1 Hospital stay, prv 12 mos	Categ
2	S2HOSP	S2HOSP:W2 Hospital stay, prv 2 yrs	Categ
3	S3HOSP	S3HOSP:W3 Hospital stay, prv 2 yrs	Categ
4	S4HOSP	S4HOSP:W4 Hospital stay, prv 2 yrs	Categ
5	S5HOSP	S5HOSP:W5 Hospital stay, prv 2 yrs	Categ
6	S6HOSP	S6HOSP:W6 Hospital stay, prv 2 yrs	Categ
7	S7HOSP	S7HOSP:W7 Hospital stay, prv 2 yrs	Categ
8	S8HOSP	S8HOSP:W8 Hospital stay, prv 2 yrs	Categ
9	S9HOSP	S9HOSP:W9 Hospital stay, prv 2 yrs	Categ
10	S10HOSP	S10HOSP:W10 Hospital stay, prv 2 yrs	Categ
11	S11HOSP	S11HOSP:W11 Hospital stay, prv 2 yrs	Categ
12	S12HOSP	S12HOSP:W12 Hospital stay, prv 2 yrs	Categ
1	R1HSPTIM	R1HSPTIM:W1 # Hospitl stys, prv 12 mos	Cont
2	R2HSPTIM	R2HSPTIM:W2 # Hospital stays, prv 2 yrs	Cont
3	R3HSPTIM	R3HSPTIM:W3 # Hospital stays, prv 2 yrs	Cont
4	R4HSPTIM	R4HSPTIM:W4 # Hospital stays, prv 2 yrs	Cont
5	R5HSPTIM	R5HSPTIM:W5 # Hospital stays, prv 2 yrs	Cont
6	R6HSPTIM	R6HSPTIM:W6 # Hospital stays, prv 2 yrs	Cont
7	R7HSPTIM	R7HSPTIM:W7 # Hospital stays, prv 2 yrs	Cont
8	R8HSPTIM	R8HSPTIM:W8 # Hospital stays, prv 2 yrs	Cont
9	R9HSPTIM	R9HSPTIM:W9 # Hospital stays, prv 2 yrs	Cont
10	R10HSPTIM	R10HSPTIM:W10 # Hospital stays, prv 2 yrs	Cont
11	R11HSPTIM	R11HSPTIM:W11 # Hospital stays, prv 2 yrs	Cont
12	R12HSPTIM	R12HSPTIM:W12 # Hospital stays, prv 2 yrs	Cont
1	S1HSPTIM	S1HSPTIM:W1 # Hospitl stys, prv 12 mos	Cont
2	S2HSPTIM	S2HSPTIM:W2 # Hospital stays, prv 2 yrs	Cont
3	S3HSPTIM	S3HSPTIM:W3 # Hospital stays, prv 2 yrs	Cont
4	S4HSPTIM	S4HSPTIM:W4 # Hospital stays, prv 2 yrs	Cont
5	S5HSPTIM	S5HSPTIM:W5 # Hospital stays, prv 2 yrs	Cont
6	S6HSPTIM	S6HSPTIM:W6 # Hospital stays, prv 2 yrs	Cont
7	S7HSPTIM	S7HSPTIM:W7 # Hospital stays, prv 2 yrs	Cont
8	S8HSPTIM	S8HSPTIM:W8 # Hospital stays, prv 2 yrs	Cont
9	S9HSPTIM	S9HSPTIM:W9 # Hospital stays, prv 2 yrs	Cont
10	S10HSPTIM	S10HSPTIM:W10 # Hospital stays, prv 2 yrs	Cont
11	S11HSPTIM	S11HSPTIM:W11 # Hospital stays, prv 2 yrs	Cont
12	S12HSPTIM	S12HSPTIM:W12 # Hospital stays, prv 2 yrs	Cont
1	R1HSPNIT	R1HSPNIT:W1 # Hospitl nghts, prv 12 mos	Cont
2	R2HSPNIT	R2HSPNIT:W2 # Nights in hosp, prv 2 yrs	Cont
3	R3HSPNIT	R3HSPNIT:W3 # Nights in hosp, prv 2 yrs	Cont
4	R4HSPNIT	R4HSPNIT:W4 # Nights in hosp, prv 2 yrs	Cont
5	R5HSPNIT	R5HSPNIT:W5 # Nights in hosp, prv 2 yrs	Cont
6	R6HSPNIT	R6HSPNIT:W6 # Nights in hosp, prv 2 yrs	Cont
7	R7HSPNIT	R7HSPNIT:W7 # Nights in hosp, prv 2 yrs	Cont
8	R8HSPNIT	R8HSPNIT:W8 # Nights in hosp, prv 2 yrs	Cont
9	R9HSPNIT	R9HSPNIT:W9 # Nights in hosp, prv 2 yrs	Cont
10	R10HSPNIT	R10HSPNIT:W10 # Nights in hosp, prv 2 yrs	Cont
11	R11HSPNIT	R11HSPNIT:W11 # Nights in hosp, prv 2 yrs	Cont
12	R12HSPNIT	R12HSPNIT:W12 # Nights in hosp, prv 2 yrs	Cont
1	S1HSPNIT	S1HSPNIT:W1 # Hospitl nghts, prv 12 mos	Cont

2	S2HSPNIT	S2HSPNIT:W2 # Nights in hosp, prv 2 yrs	Cont
3	S3HSPNIT	S3HSPNIT:W3 # Nights in hosp, prv 2 yrs	Cont
4	S4HSPNIT	S4HSPNIT:W4 # Nights in hosp, prv 2 yrs	Cont
5	S5HSPNIT	S5HSPNIT:W5 # Nights in hosp, prv 2 yrs	Cont
6	S6HSPNIT	S6HSPNIT:W6 # Nights in hosp, prv 2 yrs	Cont
7	S7HSPNIT	S7HSPNIT:W7 # Nights in hosp, prv 2 yrs	Cont
8	S8HSPNIT	S8HSPNIT:W8 # Nights in hosp, prv 2 yrs	Cont
9	S9HSPNIT	S9HSPNIT:W9 # Nights in hosp, prv 2 yrs	Cont
10	S10HSPNIT	S10HSPNIT:W10 # Nights in hosp, prv 2 yrs	Cont
11	S11HSPNIT	S11HSPNIT:W11 # Nights in hosp, prv 2 yrs	Cont
12	S12HSPNIT	S12HSPNIT:W12 # Nights in hosp, prv 2 yrs	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HOSP	12640	0.11	0.32	0.0	1.0
R2HOSP	19807	0.20	0.40	0.0	1.0
R3HOSP	17945	0.25	0.43	0.0	1.0
R4HOSP	21345	0.26	0.44	0.0	1.0
R5HOSP	19541	0.26	0.44	0.0	1.0
R6HOSP	18121	0.28	0.45	0.0	1.0
R7HOSP	20066	0.26	0.44	0.0	1.0
R8HOSP	18431	0.27	0.45	0.0	1.0
R9HOSP	17166	0.28	0.45	0.0	1.0
R10HOSP	21725	0.28	0.45	0.0	1.0
R11HOSP	20456	0.26	0.44	0.0	1.0
R12HOSP	18649	0.25	0.43	0.0	1.0
S1HOSP	9891	0.11	0.31	0.0	1.0
S2HOSP	13281	0.18	0.39	0.0	1.0
S3HOSP	11898	0.22	0.42	0.0	1.0
S4HOSP	13970	0.24	0.43	0.0	1.0
S5HOSP	12716	0.23	0.42	0.0	1.0
S6HOSP	11624	0.25	0.43	0.0	1.0
S7HOSP	12953	0.23	0.42	0.0	1.0
S8HOSP	11727	0.25	0.43	0.0	1.0
S9HOSP	10629	0.26	0.44	0.0	1.0
S10HOSP	13335	0.25	0.44	0.0	1.0
S11HOSP	12456	0.23	0.42	0.0	1.0
S12HOSP	10998	0.22	0.42	0.0	1.0
R1HSPTIM	12634	0.19	0.96	0.0	60.0
R2HSPTIM	19795	0.37	1.68	0.0	99.0
R3HSPTIM	17925	0.45	1.27	0.0	75.0
R4HSPTIM	21321	0.48	1.29	0.0	51.0
R5HSPTIM	19522	0.45	1.45	0.0	120.0
R6HSPTIM	18077	0.49	1.27	0.0	60.0
R7HSPTIM	20021	0.47	1.34	0.0	60.0
R8HSPTIM	18384	0.48	1.13	0.0	25.0
R9HSPTIM	17127	0.51	1.24	0.0	50.0
R10HSPTIM	21675	0.56	1.63	0.0	75.0
R11HSPTIM	20396	0.49	1.30	0.0	33.0
R12HSPTIM	18602	0.48	1.39	0.0	50.0
S1HSPTIM	9888	0.17	0.66	0.0	21.0
S2HSPTIM	13078	0.32	1.45	0.0	96.0
S3HSPTIM	11890	0.38	1.07	0.0	50.0

S4HSPTIM	13958	0.42	1.18	0.0	51.0
S5HSPTIM	12710	0.39	1.50	0.0	120.0
S6HSPTIM	11604	0.43	1.26	0.0	60.0
S7HSPTIM	12934	0.40	1.05	0.0	30.0
S8HSPTIM	11711	0.43	1.07	0.0	25.0
S9HSPTIM	10615	0.44	1.21	0.0	50.0
S10HSPTIM	13314	0.49	1.48	0.0	75.0
S11HSPTIM	12426	0.43	1.21	0.0	30.0
S12HSPTIM	10981	0.41	1.29	0.0	50.0
R1HSPNIT	12626	1.22	7.36	0.0	182.0
R2HSPNIT	19645	2.14	10.39	0.0	350.0
R3HSPNIT	17865	2.61	10.64	0.0	520.0
R4HSPNIT	21261	2.60	12.18	0.0	970.0
R5HSPNIT	19466	2.41	10.86	0.0	730.0
R6HSPNIT	17998	2.65	12.19	0.0	730.0
R7HSPNIT	19957	2.45	11.46	0.0	712.0
R8HSPNIT	18325	2.57	12.31	0.0	614.0
R9HSPNIT	17047	2.43	10.60	0.0	609.0
R10HSPNIT	21590	2.42	10.06	0.0	400.0
R11HSPNIT	20318	2.15	9.70	0.0	450.0
R12HSPNIT	18511	2.06	10.55	0.0	730.0
S1HSPNIT	9881	1.06	6.50	0.0	182.0
S2HSPNIT	13065	1.85	9.32	0.0	300.0
S3HSPNIT	11869	2.02	9.25	0.0	520.0
S4HSPNIT	13939	2.15	12.08	0.0	970.0
S5HSPNIT	12691	1.92	10.73	0.0	730.0
S6HSPNIT	11568	2.06	7.53	0.0	152.0
S7HSPNIT	12913	1.98	9.94	0.0	712.0
S8HSPNIT	11684	2.07	10.02	0.0	500.0
S9HSPNIT	10591	2.08	10.33	0.0	609.0
S10HSPNIT	13284	2.07	9.42	0.0	365.0
S11HSPNIT	12400	1.83	8.47	0.0	393.0
S12HSPNIT	10950	1.75	8.76	0.0	300.0

Categorical Variable Codes

Value	R1HOSP	R2HOSP	R3HOSP	R4HOSP	R5HOSP	R6HOSP	R7HOSP
.D=DK/NA	3	8	13	16	15	23	34
.M=Oth missing	9	1	30	20	20	15	21
.R=RF		1	3	3	3	6	8
0.No	11197	15830	13462	15720	14513	13108	14803
1.Yes	1443	3977	4483	5625	5028	5013	5263

Value	R8HOSP	R9HOSP	R10HOSP	R11HOSP	R12HOSP
.D=DK/NA	18	29	33	29	40
.M=Oth missing	16	17	262	64	51
.R=RF	4	5	14	5	8
0.No	13371	12306	15620	15235	14001
1.Yes	5060	4860	6105	5221	4648

Value	S1HOSP	S2HOSP	S3HOSP	S4HOSP	S5HOSP	S6HOSP	S7HOSP
.D=DK/NA	2	5	6	2	8	6	9
.M=Oth missing	7	1	10	6	5	5	4
.R=RF		1	1		1	4	6
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
0.No	8817	10829	9244	10616	9800	8754	9911
1.Yes	1074	2452	2654	3354	2916	2870	3042

Value	S8HOSP	S9HOSP	S10HOSP	S11HOSP	S12HOSP
.D=DK/NA	4	10	19	12	16
.M=Oth missing	3	4	149	19	16
.R=RF	1	3	10	1	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	8808	7914	9942	9552	8539
1.Yes	2919	2715	3393	2904	2459

How Constructed

RwHOSP indicates whether the Respondent reports any overnight hospital stay in the reference period. In Wave 1 and 2A, the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any overnight hospital stay, RwHSPTIM is the reported number of stays and RwHSPNIT is the reported number of nights over all stays. If the previous interview was more than two years ago, it is possible for RwHSPNIT to exceed 720 (365 x 2 years, 365 x 4 years, etc.). These high values can be checked against the INW variables, which indicate whether the Respondent was present for the wave in question.

SwHOSP, SwHSPTIM, and SwHSPNIT give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. RwHOSP is recoded as a yes/no indicator. If the Respondent did not report any hospital stay, then RwHSPTIM and RwHSPNIT are set to zero.

In Wave 2A, questions about hospital utilization were asked of the Financial Respondent (for both in a couple.) In addition, the question about any overnight hospital stay was asked of all individual Respondents. When both levels of information are available, the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information.

In Wave 2A, the S2HOSP is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HOSP is taken from the Wave 3 spouse's R3HOSP variable.

Cross Wave Differences in Original HRS Data

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For hospital stays, the questions ask if the Respondent was a patient overnight, how many times, and how many nights altogether. In Wave 2A and from Wave 3 on, the question wording refers to "how many different times," instead of "how many times."

HRS Variables Used

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HRS 1992:
    V10533          B45:PST YR:HOSP OVRN:IND
    V533            B45:PST YR:HOSP OVRN:IMP
    V534            B45A:PST YR:TIMES HO:IMP
    V535            B45B:PST YR:#NIGHTS :IMP
AHEAD 1993:
    B605R           E1. R IN HOSPITAL LAST 12 MOS
    B606            E2. # TIMES R IN HOSPITAL LAST 12 MOS
    B607            E3. # NIGHTS IN HOSPITAL LAST 12 MOS
HRS 1994:
    W410            B29.HOSPITAL OVERNIGHT
    W411            B29a.TIMES IN HOSPITAL O
    W412            B29b.NUMBER OF NIGHTS IN
AHEAD 1995:
    D1664           E1. HOSPITAL
    D1665           E2. HOSPITAL TIMES
    D1666           E3. HOSP-1 #NIGHTS
HRS 1996:
    E1770           E1. HOSPITAL-YR
    E1771           E2. HOSPITAL TIMES
    E1772           E3. HOSP-1 #NIGHTS
HRS 1998:
    F2295           E1. HOSPITAL-YR
    F2296           E2. HOSPITAL TIMES
    F2297           E3. HOSP-1 #NIGHTS
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HRS 2000:
    G2567           E1. HOSPITAL-YR
    G2568           E2. HOSPITAL TIMES
    G2569           E3. HOSP-1 #NIGHTS
HRS 2002:
    HN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    HN100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    HN101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
HRS 2004:
    JN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    JN100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    JN101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
HRS 2006:
    KN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    KN100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    KN101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
HRS 2008:
    LN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    LN100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    LN101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
HRS 2010:
    MN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    MN100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    MN101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
HRS 2012:
    NN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    NN100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    NN101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
HRS 2014:
    ON099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    ON100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    ON101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
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Medical care utilization: Nursing Home

Wave	Variable	Label	Type
1	R1NRSHOM	R1NRSHOM:W1 Nurs home stay, prv 12 mos	Categ
2	R2NRSHOM	R2NRSHOM:W2 Nurs home stay, prv 2 yrs	Categ
3	R3NRSHOM	R3NRSHOM:W3 Nurs home stay, prv 2 yrs	Categ
4	R4NRSHOM	R4NRSHOM:W4 Nurs home stay, prv 2 yrs	Categ
5	R5NRSHOM	R5NRSHOM:W5 Nurs home stay, prv 2 yrs	Categ
6	R6NRSHOM	R6NRSHOM:W6 Nurs home stay, prv 2 yrs	Categ
7	R7NRSHOM	R7NRSHOM:W7 Nurs home stay, prv 2 yrs	Categ
8	R8NRSHOM	R8NRSHOM:W8 Nurs home stay, prv 2 yrs	Categ
9	R9NRSHOM	R9NRSHOM:W9 Nurs home stay, prv 2 yrs	Categ
10	R10NRSHOM	R10NRSHOM:W10 Nurs home stay, prv 2 yrs	Categ
11	R11NRSHOM	R11NRSHOM:W11 Nurs home stay, prv 2 yrs	Categ
12	R12NRSHOM	R12NRSHOM:W12 Nurs home stay, prv 2 yrs	Categ
1	S1NRSHOM	S1NRSHOM:W1 Nurs home stay, prv 12 mos	Categ
2	S2NRSHOM	S2NRSHOM:W2 Nurs home stay, prv 2 yrs	Categ
3	S3NRSHOM	S3NRSHOM:W3 Nurs home stay, prv 2 yrs	Categ
4	S4NRSHOM	S4NRSHOM:W4 Nurs home stay, prv 2 yrs	Categ
5	S5NRSHOM	S5NRSHOM:W5 Nurs home stay, prv 2 yrs	Categ
6	S6NRSHOM	S6NRSHOM:W6 Nurs home stay, prv 2 yrs	Categ
7	S7NRSHOM	S7NRSHOM:W7 Nurs home stay, prv 2 yrs	Categ
8	S8NRSHOM	S8NRSHOM:W8 Nurs home stay, prv 2 yrs	Categ
9	S9NRSHOM	S9NRSHOM:W9 Nurs home stay, prv 2 yrs	Categ
10	S10NRSHOM	S10NRSHOM:W10 Nurs home stay, prv 2 yrs	Categ
11	S11NRSHOM	S11NRSHOM:W11 Nurs home stay, prv 2 yrs	Categ
12	S12NRSHOM	S12NRSHOM:W12 Nurs home stay, prv 2 yrs	Categ
1	R1NRSTIM	R1NRSTIM:W1 # Nrs home stys, prv 12 mos	Cont
2	R2NRSTIM	R2NRSTIM:W2 # Nurs home stays, prv 2 yrs	Cont
3	R3NRSTIM	R3NRSTIM:W3 # Nurs home stays, prv 2 yrs	Cont
4	R4NRSTIM	R4NRSTIM:W4 # Nurs home stays, prv 2 yrs	Cont
5	R5NRSTIM	R5NRSTIM:W5 # Nurs home stays, prv 2 yrs	Cont
6	R6NRSTIM	R6NRSTIM:W6 # Nurs home stays, prv 2 yrs	Cont
7	R7NRSTIM	R7NRSTIM:W7 # Nurs home stays, prv 2 yrs	Cont
8	R8NRSTIM	R8NRSTIM:W8 # Nurs home stays, prv 2 yrs	Cont
9	R9NRSTIM	R9NRSTIM:W9 # Nurs home stays, prv 2 yrs	Cont
10	R10NRSTIM	R10NRSTIM:W10 # Nurs home stays, prv 2 yrs	Cont
11	R11NRSTIM	R11NRSTIM:W11 # Nurs home stays, prv 2 yrs	Cont
12	R12NRSTIM	R12NRSTIM:W12 # Nurs home stays, prv 2 yrs	Cont
1	S1NRSTIM	S1NRSTIM:W1 # Nrs home stys, prv 12 mos	Cont
2	S2NRSTIM	S2NRSTIM:W2 # Nurs home stays, prv 2 yrs	Cont
3	S3NRSTIM	S3NRSTIM:W3 # Nurs home stays, prv 2 yrs	Cont
4	S4NRSTIM	S4NRSTIM:W4 # Nurs home stays, prv 2 yrs	Cont
5	S5NRSTIM	S5NRSTIM:W5 # Nurs home stays, prv 2 yrs	Cont
6	S6NRSTIM	S6NRSTIM:W6 # Nurs home stays, prv 2 yrs	Cont
7	S7NRSTIM	S7NRSTIM:W7 # Nurs home stays, prv 2 yrs	Cont
8	S8NRSTIM	S8NRSTIM:W8 # Nurs home stays, prv 2 yrs	Cont
9	S9NRSTIM	S9NRSTIM:W9 # Nurs home stays, prv 2 yrs	Cont
10	S10NRSTIM	S10NRSTIM:W10 # Nurs home stays, prv 2 yrs	Cont
11	S11NRSTIM	S11NRSTIM:W11 # Nurs home stays, prv 2 yrs	Cont
12	S12NRSTIM	S12NRSTIM:W12 # Nurs home stays, prv 2 yrs	Cont
1	R1NRSNIT	R1NRSNIT:W1 # Nrs home nghts, prv 12 mos	Cont
2	R2NRSNIT	R2NRSNIT:W2 # Nights in nurs home, prv 2 yrs	Cont
3	R3NRSNIT	R3NRSNIT:W3 # Nights in nurs home, prv 2 yrs	Cont
4	R4NRSNIT	R4NRSNIT:W4 # Nights in nurs home, prv 2 yrs	Cont
5	R5NRSNIT	R5NRSNIT:W5 # Nights in nurs home, prv 2 yrs	Cont
6	R6NRSNIT	R6NRSNIT:W6 # Nights in nurs home, prv 2 yrs	Cont
7	R7NRSNIT	R7NRSNIT:W7 # Nights in nurs home, prv 2 yrs	Cont
8	R8NRSNIT	R8NRSNIT:W8 # Nights in nurs home, prv 2 yrs	Cont
9	R9NRSNIT	R9NRSNIT:W9 # Nights in nurs home, prv 2 yrs	Cont
10	R10NRSNIT	R10NRSNIT:W10 # Nights in nurs home, prv 2 yrs	Cont
11	R11NRSNIT	R11NRSNIT:W11 # Nights in nurs home, prv 2 yrs	Cont
12	R12NRSNIT	R12NRSNIT:W12 # Nights in nurs home, prv 2 yrs	Cont
1	S1NRSNIT	S1NRSNIT:W1 # Nrs home nghts, prv 12 mos	Cont

2	S2NRSNIT	S2NRSNIT:W2 # Nights in nurs home, prv 2 yrs	Cont
3	S3NRSNIT	S3NRSNIT:W3 # Nights in nurs home, prv 2 yrs	Cont
4	S4NRSNIT	S4NRSNIT:W4 # Nights in nurs home, prv 2 yrs	Cont
5	S5NRSNIT	S5NRSNIT:W5 # Nights in nurs home, prv 2 yrs	Cont
6	S6NRSNIT	S6NRSNIT:W6 # Nights in nurs home, prv 2 yrs	Cont
7	S7NRSNIT	S7NRSNIT:W7 # Nights in nurs home, prv 2 yrs	Cont
8	S8NRSNIT	S8NRSNIT:W8 # Nights in nurs home, prv 2 yrs	Cont
9	S9NRSNIT	S9NRSNIT:W9 # Nights in nurs home, prv 2 yrs	Cont
10	S10NRSNIT	S10NRSNIT:W10 # Nights in nurs home, prv 2 yrs	Cont
11	S11NRSNIT	S11NRSNIT:W11 # Nights in nurs home, prv 2 yrs	Cont
12	S12NRSNIT	S12NRSNIT:W12 # Nights in nurs home, prv 2 yrs	Cont
3	R3NHMLIV	R3NHMLIV:W3 Live in Nurs home at Iview	Categ
4	R4NHMLIV	R4NHMLIV:W4 Live in Nurs home at Iview	Categ
5	R5NHMLIV	R5NHMLIV:W5 Live in Nurs home at Iview	Categ
6	R6NHMLIV	R6NHMLIV:W6 Live in Nurs home at Iview	Categ
7	R7NHMLIV	R7NHMLIV:W7 Live in Nurs home at Iview	Categ
8	R8NHMLIV	R8NHMLIV:W8 Live in Nurs home at Iview	Categ
9	R9NHMLIV	R9NHMLIV:W9 Live in Nurs home at Iview	Categ
10	R10NHMLIV	R10NHMLIV:W10 Live in Nurs home at Iview	Categ
11	R11NHMLIV	R11NHMLIV:W11 Live in Nurs home at Iview	Categ
12	R12NHMLIV	R12NHMLIV:W12 Live in Nurs home at Iview	Categ
3	S3NHMLIV	S3NHMLIV:W3 Live in Nurs home at Iview	Categ
4	S4NHMLIV	S4NHMLIV:W4 Live in Nurs home at Iview	Categ
5	S5NHMLIV	S5NHMLIV:W5 Live in Nurs home at Iview	Categ
6	S6NHMLIV	S6NHMLIV:W6 Live in Nurs home at Iview	Categ
7	S7NHMLIV	S7NHMLIV:W7 Live in Nurs home at Iview	Categ
8	S8NHMLIV	S8NHMLIV:W8 Live in Nurs home at Iview	Categ
9	S9NHMLIV	S9NHMLIV:W9 Live in Nurs home at Iview	Categ
10	S10NHMLIV	S10NHMLIV:W10 Live in Nurs home at Iview	Categ
11	S11NHMLIV	S11NHMLIV:W11 Live in Nurs home at Iview	Categ
12	S12NHMLIV	S12NHMLIV:W12 Live in Nurs home at Iview	Categ
3	R3NHMMVY	R3NHMMVY:W3 Year moved to Nurs home	Cont
4	R4NHMMVY	R4NHMMVY:W4 Year moved to Nurs home	Cont
5	R5NHMMVY	R5NHMMVY:W5 Year moved to Nurs home	Cont
6	R6NHMMVY	R6NHMMVY:W6 Year moved to Nurs home	Cont
7	R7NHMMVY	R7NHMMVY:W7 Year moved to Nurs home	Cont
8	R8NHMMVY	R8NHMMVY:W8 Year moved to Nurs home	Cont
9	R9NHMMVY	R9NHMMVY:W9 Year moved to Nurs home	Cont
10	R10NHMMVY	R10NHMMVY:W10 Year moved to Nurs home	Cont
11	R11NHMMVY	R11NHMMVY:W11 Year moved to Nurs home	Cont
12	R12NHMMVY	R12NHMMVY:W12 Year moved to Nurs home	Cont
3	S3NHMMVY	S3NHMMVY:W3 Year moved to Nurs home	Cont
4	S4NHMMVY	S4NHMMVY:W4 Year moved to Nurs home	Cont
5	S5NHMMVY	S5NHMMVY:W5 Year moved to Nurs home	Cont
6	S6NHMMVY	S6NHMMVY:W6 Year moved to Nurs home	Cont
7	S7NHMMVY	S7NHMMVY:W7 Year moved to Nurs home	Cont
8	S8NHMMVY	S8NHMMVY:W8 Year moved to Nurs home	Cont
9	S9NHMMVY	S9NHMMVY:W9 Year moved to Nurs home	Cont
10	S10NHMMVY	S10NHMMVY:W10 Year moved to Nurs home	Cont
11	S11NHMMVY	S11NHMMVY:W11 Year moved to Nurs home	Cont
12	S12NHMMVY	S12NHMMVY:W12 Year moved to Nurs home	Cont
3	R3NHMMVM	R3NHMMVM:W3 Month moved to Nurs home	Cont
4	R4NHMMVM	R4NHMMVM:W4 Month moved to Nurs home	Cont
5	R5NHMMVM	R5NHMMVM:W5 Month moved to Nurs home	Cont
6	R6NHMMVM	R6NHMMVM:W6 Month moved to Nurs home	Cont
7	R7NHMMVM	R7NHMMVM:W7 Month moved to Nurs home	Cont
8	R8NHMMVM	R8NHMMVM:W8 Month moved to Nurs home	Cont
9	R9NHMMVM	R9NHMMVM:W9 Month moved to Nurs home	Cont
10	R10NHMMVM	R10NHMMVM:W10 Month moved to Nurs home	Cont
11	R11NHMMVM	R11NHMMVM:W11 Month moved to Nurs home	Cont
12	R12NHMMVM	R12NHMMVM:W12 Month moved to Nurs home	Cont
3	S3NHMMVM	S3NHMMVM:W3 Month moved to Nurs home	Cont
4	S4NHMMVM	S4NHMMVM:W4 Month moved to Nurs home	Cont
5	S5NHMMVM	S5NHMMVM:W5 Month moved to Nurs home	Cont
6	S6NHMMVM	S6NHMMVM:W6 Month moved to Nurs home	Cont
7	S7NHMMVM	S7NHMMVM:W7 Month moved to Nurs home	Cont

8	S8NHMMVM	S8NHMMVM:W8 Month moved to Nurs home	Cont
9	S9NHMMVM	S9NHMMVM:W9 Month moved to Nurs home	Cont
10	S10NHMMVM	S10NHMMVM:W10 Month moved to Nurs home	Cont
11	S11NHMMVM	S11NHMMVM:W11 Month moved to Nurs home	Cont
12	S12NHMMVM	S12NHMMVM:W12 Month moved to Nurs home	Cont
3	R3NHMDAY	R3NHMDAY:W3 Days in NH from Move/PrvIvw	Cont
4	R4NHMDAY	R4NHMDAY:W4 Days in NH from Move/PrvIvw	Cont
5	R5NHMDAY	R5NHMDAY:W5 Days in NH from Move/PrvIvw	Cont
6	R6NHMDAY	R6NHMDAY:W6 Days in NH from Move/PrvIvw	Cont
7	R7NHMDAY	R7NHMDAY:W7 Days in NH from Move/PrvIvw	Cont
8	R8NHMDAY	R8NHMDAY:W8 Days in NH from Move/PrvIvw	Cont
9	R9NHMDAY	R9NHMDAY:W9 Days in NH from Move/PrvIvw	Cont
10	R10NHMDAY	R10NHMDAY:W10 Days in NH from Move/PrvIvw	Cont
11	R11NHMDAY	R11NHMDAY:W11 Days in NH from Move/PrvIvw	Cont
12	R12NHMDAY	R12NHMDAY:W12 Days in NH from Move/PrvIvw	Cont
3	S3NHMDAY	S3NHMDAY:W3 Days in NH from Move/PrvIvw	Cont
4	S4NHMDAY	S4NHMDAY:W4 Days in NH from Move/PrvIvw	Cont
5	S5NHMDAY	S5NHMDAY:W5 Days in NH from Move/PrvIvw	Cont
6	S6NHMDAY	S6NHMDAY:W6 Days in NH from Move/PrvIvw	Cont
7	S7NHMDAY	S7NHMDAY:W7 Days in NH from Move/PrvIvw	Cont
8	S8NHMDAY	S8NHMDAY:W8 Days in NH from Move/PrvIvw	Cont
9	S9NHMDAY	S9NHMDAY:W9 Days in NH from Move/PrvIvw	Cont
10	S10NHMDAY	S10NHMDAY:W10 Days in NH from Move/PrvIvw	Cont
11	S11NHMDAY	S11NHMDAY:W11 Days in NH from Move/PrvIvw	Cont
12	S12NHMDAY	S12NHMDAY:W12 Days in NH from Move/PrvIvw	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1NRSHOM	12623	0.00	0.03	0.0	1.0
R2NRSHOM	19815	0.01	0.09	0.0	1.0
R3NRSHOM	17953	0.03	0.16	0.0	1.0
R4NRSHOM	21362	0.03	0.18	0.0	1.0
R5NRSHOM	19560	0.04	0.19	0.0	1.0
R6NRSHOM	18137	0.05	0.21	0.0	1.0
R7NRSHOM	20101	0.04	0.19	0.0	1.0
R8NRSHOM	18445	0.05	0.21	0.0	1.0
R9NRSHOM	17188	0.05	0.22	0.0	1.0
R10NRSHOM	21744	0.05	0.21	0.0	1.0
R11NRSHOM	20481	0.05	0.22	0.0	1.0
R12NRSHOM	18686	0.05	0.23	0.0	1.0
S1NRSHOM	9878	0.00	0.03	0.0	1.0
S2NRSHOM	13286	0.01	0.09	0.0	1.0
S3NRSHOM	11902	0.01	0.11	0.0	1.0
S4NRSHOM	13972	0.01	0.12	0.0	1.0
S5NRSHOM	12725	0.02	0.13	0.0	1.0
S6NRSHOM	11627	0.02	0.14	0.0	1.0
S7NRSHOM	12962	0.02	0.13	0.0	1.0
S8NRSHOM	11729	0.02	0.15	0.0	1.0
S9NRSHOM	10635	0.02	0.15	0.0	1.0
S10NRSHOM	13350	0.03	0.16	0.0	1.0
S11NRSHOM	12465	0.03	0.16	0.0	1.0
S12NRSHOM	11009	0.03	0.17	0.0	1.0
R1NRSTIM	12623	0.00	0.03	0.0	1.0
R2NRSTIM	19811	0.01	0.39	0.0	50.0
R3NRSTIM	17941	0.03	0.25	0.0	11.0

R4NRSTIM	21333	0.04	0.62	0.0	73.0
R5NRSTIM	19539	0.04	0.26	0.0	10.0
R6NRSTIM	18107	0.06	0.57	0.0	58.0
R7NRSTIM	20077	0.05	0.69	0.0	71.0
R8NRSTIM	18426	0.06	0.49	0.0	30.0
R9NRSTIM	17164	0.07	0.57	0.0	56.0
R10NRSTIM	21705	0.06	0.48	0.0	50.0
R11NRSTIM	20404	0.07	1.00	0.0	90.0
R12NRSTIM	18610	0.07	0.70	0.0	76.0
S1NRSTIM	9878	0.00	0.03	0.0	1.0
S2NRSTIM	13085	0.00	0.07	0.0	3.0
S3NRSTIM	11897	0.02	0.18	0.0	10.0
S4NRSTIM	13963	0.02	0.34	0.0	36.0
S5NRSTIM	12717	0.02	0.18	0.0	9.0
S6NRSTIM	11623	0.03	0.35	0.0	30.0
S7NRSTIM	12958	0.02	0.18	0.0	9.0
S8NRSTIM	11725	0.03	0.38	0.0	24.0
S9NRSTIM	10630	0.03	0.58	0.0	56.0
S10NRSTIM	13340	0.04	0.51	0.0	50.0
S11NRSTIM	12455	0.04	0.39	0.0	36.0
S12NRSTIM	10993	0.04	0.76	0.0	76.0
R1NRSNIT	12623	0.10	4.91	0.0	365.0
R2NRSNIT	19805	0.40	8.79	0.0	510.0
R3NRSNIT	17926	6.10	56.89	0.0	1644.0
R4NRSNIT	21328	9.47	77.23	0.0	1440.0
R5NRSNIT	19525	11.02	82.97	0.0	1674.0
R6NRSNIT	18097	13.05	97.21	0.0	2283.0
R7NRSNIT	20069	11.05	84.01	0.0	3349.0
R8NRSNIT	18412	12.53	90.81	0.0	2344.0
R9NRSNIT	17147	13.11	90.70	0.0	1614.0
R10NRSNIT	21696	12.67	104.04	0.0	5325.0
R11NRSNIT	20409	10.98	83.59	0.0	2922.0
R12NRSNIT	18637	11.99	84.18	0.0	1620.0
S1NRSNIT	9878	0.10	5.15	0.0	365.0
S2NRSNIT	13082	0.17	5.44	0.0	360.0
S3NRSNIT	11894	2.99	43.05	0.0	1644.0
S4NRSNIT	13964	3.12	44.48	0.0	1308.0
S5NRSNIT	12715	3.55	46.67	0.0	1583.0
S6NRSNIT	11618	3.65	50.64	0.0	2252.0
S7NRSNIT	12960	2.77	39.62	0.0	1371.0
S8NRSNIT	11720	3.58	48.66	0.0	2100.0
S9NRSNIT	10629	3.10	39.50	0.0	945.0
S10NRSNIT	13340	3.78	46.73	0.0	1034.0
S11NRSNIT	12443	3.96	50.72	0.0	2922.0
S12NRSNIT	10998	3.66	43.03	0.0	1200.0
R3NHMLIV	17991	0.02	0.13	0.0	1.0
R4NHMLIV	21384	0.02	0.14	0.0	1.0
R5NHMLIV	19579	0.02	0.15	0.0	1.0
R6NHMLIV	18165	0.03	0.16	0.0	1.0
R7NHMLIV	20129	0.02	0.15	0.0	1.0
R8NHMLIV	18469	0.02	0.15	0.0	1.0
R9NHMLIV	17217	0.03	0.16	0.0	1.0
R10NHMLIV	22034	0.02	0.14	0.0	1.0
R11NHMLIV	20554	0.02	0.15	0.0	1.0
R12NHMLIV	18748	0.02	0.15	0.0	1.0

S3NHMLIV	11915	0.01	0.08	0.0	1.0
S4NHMLIV	13978	0.01	0.08	0.0	1.0
S5NHMLIV	12730	0.01	0.09	0.0	1.0
S6NHMLIV	11639	0.01	0.08	0.0	1.0
S7NHMLIV	12972	0.01	0.08	0.0	1.0
S8NHMLIV	11735	0.01	0.08	0.0	1.0
S9NHMLIV	10646	0.01	0.08	0.0	1.0
S10NHMLIV	13513	0.01	0.09	0.0	1.0
S11NHMLIV	12488	0.01	0.09	0.0	1.0
S12NHMLIV	11031	0.01	0.09	0.0	1.0
R3NHMMVY	290	1994.48	1.52	1978.0	1996.0
R4NHMMVY	416	1995.53	6.17	1919.0	1999.0
R5NHMMVY	450	1997.99	2.77	1968.0	2000.0
R6NHMMVY	434	1999.64	5.31	1910.0	2002.0
R7NHMMVY	436	2001.69	2.64	1984.0	2005.0
R8NHMMVY	421	2002.61	9.79	1913.0	2007.0
R9NHMMVY	411	2005.93	2.33	1994.0	2008.0
R10NHMMVY	443	2007.90	3.36	1963.0	2011.0
R11NHMMVY	450	2009.54	5.19	1917.0	2013.0
R12NHMMVY	411	2011.43	3.02	1984.0	2014.0
S3NHMMVY	79	1994.10	2.32	1978.0	1996.0
S4NHMMVY	84	1993.25	11.64	1919.0	1999.0
S5NHMMVY	93	1997.63	4.07	1968.0	2000.0
S6NHMMVY	73	2000.03	2.25	1989.0	2002.0
S7NHMMVY	76	2002.13	2.80	1989.0	2004.0
S8NHMMVY	82	2003.40	7.91	1935.0	2006.0
S9NHMMVY	75	2006.61	1.77	1999.0	2008.0
S10NHMMVY	107	2008.83	1.97	1998.0	2011.0
S11NHMMVY	95	2010.14	2.28	1998.0	2013.0
S12NHMMVY	80	2012.18	2.09	2002.0	2014.0
R3NHMMVM	289	5.90	3.73	1.0	12.0
R4NHMMVM	412	5.75	3.54	1.0	12.0
R5NHMMVM	436	5.84	3.43	1.0	12.0
R6NHMMVM	382	5.99	3.38	1.0	12.0
R7NHMMVM	388	5.95	3.30	1.0	12.0
R8NHMMVM	380	6.43	3.37	1.0	12.0
R9NHMMVM	368	6.50	3.37	1.0	12.0
R10NHMMVM	406	7.03	3.35	1.0	12.0
R11NHMMVM	419	6.38	3.49	1.0	12.0
R12NHMMVM	390	6.48	3.45	1.0	12.0
S3NHMMVM	77	6.19	3.90	1.0	12.0
S4NHMMVM	83	5.16	3.50	1.0	12.0
S5NHMMVM	90	5.58	3.39	1.0	12.0
S6NHMMVM	66	7.09	3.62	1.0	12.0
S7NHMMVM	70	5.91	3.29	1.0	12.0
S8NHMMVM	77	6.55	3.34	1.0	12.0
S9NHMMVM	70	7.09	3.38	1.0	12.0
S10NHMMVM	106	6.92	3.57	1.0	12.0
S11NHMMVM	92	5.55	3.54	1.0	12.0
S12NHMMVM	77	6.88	3.87	1.0	12.0
R3NHMDAY	290	371.16	266.11	15.0	1644.0
R4NHMDAY	416	452.76	303.35	15.0	1581.0
R5NHMDAY	450	469.46	304.21	15.0	1736.0

R6NHMDAY	434	518.41	338.45	15.0	2283.0
R7NHMDAY	435	469.89	307.52	15.0	3349.0
R8NHMDAY	421	492.36	306.34	15.0	2100.0
R9NHMDAY	411	480.66	304.49	15.0	1614.0
R10NHMDAY	443	537.50	350.13	15.0	1765.0
R11NHMDAY	450	452.43	290.35	15.0	2769.0
R12NHMDAY	411	484.83	266.59	15.0	1371.0
S3NHMDAY	79	428.30	312.44	15.0	1644.0
S4NHMDAY	84	475.15	326.26	15.0	1581.0
S5NHMDAY	93	455.92	307.89	15.0	1583.0
S6NHMDAY	73	498.27	358.94	15.0	2252.0
S7NHMDAY	76	385.86	307.38	15.0	1371.0
S8NHMDAY	82	439.21	376.84	15.0	2100.0
S9NHMDAY	75	371.41	267.35	15.0	945.0
S10NHMDAY	107	414.56	306.64	15.0	1034.0
S11NHMDAY	95	409.22	244.40	15.0	884.0
S12NHMDAY	80	430.15	284.60	15.0	1371.0

Categorical Variable Codes

Value	R1NRSHOM	R2NRSHOM	R3NRSHOM	R4NRSHOM	R5NRSHOM	R6NRSHOM	R7NRSHOM
.D=DK/NA	7		1		1	6	3
.M=Oth missing	22	1	35	18	17	15	18
.R=RF		1	2	4	1	7	7
0.No	12609	19665	17456	20651	18836	17303	19306
1.Yes	14	150	497	711	724	834	795

Value	R8NRSHOM	R9NRSHOM	R10NRSHOM	R11NRSHOM	R12NRSHOM
.D=DK/NA	4	8	15	7	12
.M=Oth missing	16	16	262	63	48
.R=RF	4	5	13	3	2
0.No	17580	16319	20701	19469	17678
1.Yes	865	869	1043	1012	1008

Value	S1NRSHOM	S2NRSHOM	S3NRSHOM	S4NRSHOM	S5NRSHOM	S6NRSHOM	S7NRSHOM
.D=DK/NA	6					3	1
.M=Oth missing	16	1	13	6	5	5	4
.R=RF		1				4	5
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
0.No	9868	13185	11752	13776	12522	11384	12750
1.Yes	10	101	150	196	203	243	212

Value	S8NRSHOM	S9NRSHOM	S10NRSHOM	S11NRSHOM	S12NRSHOM
.D=DK/NA	1	4	4	2	6
.M=Oth missing	3	4	150	19	15
.R=RF	2	3	9	2	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11464	10399	13003	12138	10691
1.Yes	265	236	347	327	318

Value	R3NHMLIV	R4NHMLIV	R5NHMLIV	R6NHMLIV	R7NHMLIV
0.No	17693	20955	19122	17705	19669
1.Yes	298	429	457	460	460

Value	R8NHMLIV	R9NHMLIV	R10NHMLIV	R11NHMLIV	R12NHMLIV
0.No	18031	16776	21565	20076	18305
1.Yes	438	441	469	478	443

Value	S3NHMLIV	S4NHMLIV	S5NHMLIV	S6NHMLIV	S7NHMLIV
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	11834	13891	12635	11557	12892
1.Yes	81	87	95	82	80

Value	S8NHMLIV	S9NHMLIV	S10NHMLIV	S11NHMLIV	S12NHMLIV
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11652	10570	13405	12391	10949
1.Yes	83	76	108	97	82

How Constructed

RwNRSHOM indicates whether the Respondent reports any overnight nursing home stay in the reference period. In Waves 1 and 2A, the reference period is 12 months, in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any overnight nursing home stay, RwNRSTIM is the reported number of stays, and RwNRSNIT is the reported number of nights over all stays.

From Wave 3 forward, a set of related variables provides information about nursing home residence when the Respondent is living in a nursing home at the time of the interview. RwNHMLIV indicates whether the Respondent lives in a nursing home or other health care facility at the time of the interview. For those living in a nursing home, RwNHMMVY and RwNHMMVM give the year and month of moving into the facility. RwNHMDAY is the calculated number days since the last interview that the Respondent has been living in a nursing home. If the move-in date is after the previous interview then RwNHMDAY is assigned the number of days between the 15th of the move-in month and the 15th of the current interview month. If the move-in date is earlier than the previous interview then RwNHMDAY is assigned the number of days between

interviews.

Beginning with Tracker 2004 V1, HRS implemented a verified nursing home residence flag for each wave (xNURSHM). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. We incorporate the verified nursing home information from Tracker with nursing home utilization information. The question about any nursing home stay is filled by default as "Yes" for those living in a nursing home; in some cases the interviewer seems to have over-ridden this with a "No," but in others this did not occur. We examine these cases for length of stay, residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home. If the length of stay is reported as zero nights, continuous since move-in (996), or is about the same as the length of residency as determined from move-in dates, then we assume that the stay is the same as the residence which is not a nursing home, i.e., that there is no nursing home utilization. If the answers to the number of times or number of nights are missing, we assume these indicate the realization that the current residence is not a nursing home, without knowing how to undo the default assumption of a nursing home stay, so in this case we also assume no nursing home utilization. If the number of stays is given as 5, we assume this was intended to be the normal code for "No," and assume no nursing home utilization in this situation as well. We also apply the Tracker information to RwNHMLIV, RwNHMMVM, RwNHMMVY, and RwNHMDAY. If Tracker indicates that the Respondent is not a nursing home resident, RwNHMLIV is set to "No" and the rest of the variables are irrelevant.

SwNRSHOM, SwNRSTIM, SwNRSNIT, SwNHMLIV, SwNHMMVY, SwNHMMVM, SwNHMDAY give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. RwNRSHOM is recoded as a yes/no indicator. Beginning in Wave 3, if the Respondent is currently in a nursing home, RwNRSHOM is set to yes. If the Respondent did not report any nursing home stay, then RwNRSTIM and RwNRSNIT are set to zero. Beginning in Wave 3, the number of nights in a nursing home could be reported as 996, indicating "continuous since entered," if the Respondent is living in a nursing home at the time of the interview. For these cases, RwNHMDAY is assigned to RwNRSNIT, unless more than one stay is reported and the number of days for the current stay is less than the time since last interview. If more than one stay is reported and RwNHMDAY is less than the entire time since last interview, then RwNRSNIT is assigned the special missing value .L, as the length of at least one of the prior stays is unknown. If the previous interview was more than two years ago, then it is possible for RwNRSNIT to exceed 720 (365 x 2 years, 365 x 4 years, etc.). These high values can be checked against the INW variables, which indicate whether the Respondent was present for the Wave in question.

In Wave 2A, the question about any overnight nursing home stay was asked at the household level of Financial Respondents for both the Financial Respondent and spouse, and of all individual Respondents as well. When both levels of information are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information.

In Wave 2A, the S2NRSHOM is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3NRSHOM is taken from the Wave 3 spouse's R3NRSHOM variable.

Cross Wave Differences in Original HRS Data

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A, and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For nursing home stays, the questions ask if the Respondent was a patient in a nursing home overnight, how many times, and how many nights altogether. In Wave 2A and from Wave 3 on, the initial question text includes convalescent home or other long-term health care facility along with nursing home. Beginning in Wave 3, the initial question was skipped if the Respondent is currently living in a nursing home. For these nursing home residents, the second question asks how many times including now, and the third question regarding number of nights can be coded 996=continuous since entered.

The questions about residence in the nursing home at the time of the interview and when the Respondent moved into the nursing home begin in Wave 3. Note that in Waves 1 and 2A there are no Respondents living in a nursing home. In Wave 2H, there are only 6 Respondents who are nursing home residents, and there is no provision in the utilization section for using this information to determine use or length of stay. So we have chosen not to consider this information for so few Respondents. If others are interested in exploring this in Wave 2H, these cases are flagged by W109=21 in the core data. Move month and year are W107 and W108, also in the core data.

Beginning with Tracker 2004 V1, HRS implemented a verified nursing home residence flag for each wave, xNURSHM, e.g., GNURSHM for Wave 5 (2000). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. In the questions about nursing home utilization, a cover-sheet reported nursing home resident is assigned as "Yes" for any nursing home stays by default. In some cases where Tracker indicates residence is NOT a nursing home, the interviewer had over-ridden this with a "No" for any nursing home stays, but in many cases this did not occur. We examine these cases for length of stay, residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home.

HRS Variables Used

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HRS 1992:
    V10536          B46:PST YR:EVR IF NR:IND
    V536            B46:PST YR:EVR IF NR:IMP
    V537            B46A:1 YR:TIMES NURS
    V538            B46B:YR:NIGHTS NURSG
AHEAD 1993:
    B622R           E5. R IN NURSING HOME LAST 12 MOS
    B623            E6. # TIMES R IN NURSING HOME LAST 12 MO
    B624            E7. # NIGHTS IN NURSING HOME LAST 12 MOS
HRS 1994:
    W415            B30.NURSING HOME OVERNIG
    W416            B30a.TIMES IN NURSING HO
    W417            B30b.NUMBER OF NIGHTS IN
AHEAD 1995:
    D1681           E5. NURSING HOME
    D1682           E6. NURHM # TIMES
    D1683           E7. NURHM-1 NIGHTS
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    D1684           E7A.NURHM-1 MONTHS
    D240            CS11.R-WHERE LIVE
    D417            CS25.MONTH MOVED TO NURS HOME
    D418            CS25.YEAR MOVED TO NURS HOME
HRS 1996:
    E1776           E5. NURSING HOME-YR
    E1777           E6. NURHM # TIMES
    E1778           E7. NURHM-1 NIGHTS
    E1779           E7A.NURHM-1 MONTHS
    E240            CS11.R-WHERE LIVE
    E417            CS25.MONTH MOVED TO NURS HOME
    E418            CS25.YEAR MOVED TO NURS HOME
HRS 1998:
    F2299           E5. NURSING HOME-YR
    F2300           E6. NURHM # TIMES
    F2301           E7. NURHM-1 NIGHTS
    F2302           E7A.NURHM-1 MONTHS
    F517            CS11.R IN NURSING HOME
    F718            CS25.MONTH MOVED TO NURS HOME
    F719            CS25.YEAR MOVED TO NURS HOME
HRS 2000:
    G2571           E5. NURSING HOME-YR
    G2572           E6. NURHM # TIMES
    G2573           E7. NURHM-1 NIGHTS
    G2574           E7A.NURHM-1 MONTHS
    G558            CS11.R IN NURSING HOME
    G789            CS25.MONTH MOVED TO NURS HOME
    G790            CS25A. YEAR MOVED TO NURS HOME
HRS 2002:
    HA028           R IN NURSING HOME
    HA065           MONTH MOVED TO NH
    HA066           YEAR MOVED TO NURS HOME
    HN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    HN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    HN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    HN117           NUM MOS R SPENT OVERNIGHT IN NH
HRS 2004:
    JA028           R IN NURSING HOME
    JA065           MONTH MOVED TO NH
    JA066           YEAR MOVED TO NURS HOME
    JN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    JN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    JN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    JN117           NUM MOS R SPENT OVERNIGHT IN NH
HRS 2006:
    KA028           R IN NURSING HOME
    KA065           MONTH MOVED TO NH
    KA066           YEAR MOVED TO NURS HOME
    KN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    KN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    KN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    KN117           NUM MOS R SPENT OVERNIGHT IN NH
HRS 2008:
    LA028           R IN NURSING HOME
    LA065           MONTH MOVED TO NH
    LA066           YEAR MOVED TO NURS HOME
    LN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    LN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    LN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
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    LN117           NUM MOS R SPENT OVERNIGHT IN NH
HRS 2010:
    MA028           R IN NURSING HOME
    MA065           MONTH MOVED TO NH
    MA066           YEAR MOVED TO NURS HOME
    MN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    MN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    MN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    MN117           NUM MOS R SPENT OVERNIGHT IN NH
HRS 2012:
    NA028           R IN NURSING HOME
    NA065           MONTH MOVED TO NH
    NA066           YEAR MOVED TO NURS HOME
    NN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    NN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    NN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    NN117           NUM MOS R SPENT OVERNIGHT IN NH
HRS 2014:
    OA028           R IN NURSING HOME
    OA065           MONTH MOVED TO NH
    OA066           YEAR MOVED TO NURS HOME
    ON114           EVER PATIENT OVERNIGHT IN NURSING HOME
    ON115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    ON116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    ON117           NUM MOS R SPENT OVERNIGHT IN NH
Tracker:
    GNURSHM         2000 NURSING HOME STATUS
    HNURSHM         2002 NURSING HOME STATUS
    JNURSHM         2004 NURSING HOME STATUS
    KNURSHM         2006 NURSING HOME STATUS
    LNURSHM         2008 NURSING HOME STATUS
    MNURSHM         2010 NURSING HOME STATUS
    NNURSHM         2012 NURSING HOME STATUS
    ONURSHM         2014 NURSING HOME STATUS
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Medical care utilization: Doctor

Wave	Variable	Label	Type
1	R1DOCTOR	R1DOCTOR:W1 Doctor visit, prv 12 mos	Categ
2	R2DOCTOR	R2DOCTOR:W2 Doctor visit, prv 2 yrs	Categ
3	R3DOCTOR	R3DOCTOR:W3 Doctor visit, prv 2 yrs	Categ
4	R4DOCTOR	R4DOCTOR:W4 Doctor visit, prv 2 yrs	Categ
5	R5DOCTOR	R5DOCTOR:W5 Doctor visit, prv 2 yrs	Categ
6	R6DOCTOR	R6DOCTOR:W6 Doctor visit, prv 2 yrs	Categ
7	R7DOCTOR	R7DOCTOR:W7 Doctor visit, prv 2 yrs	Categ
8	R8DOCTOR	R8DOCTOR:W8 Doctor visit, prv 2 yrs	Categ
9	R9DOCTOR	R9DOCTOR:W9 Doctor visit, prv 2 yrs	Categ
10	R10DOCTOR	R10DOCTOR:W10 Doctor visit, prv 2 yrs	Categ
11	R11DOCTOR	R11DOCTOR:W11 Doctor visit, prv 2 yrs	Categ
12	R12DOCTOR	R12DOCTOR:W12 Doctor visit, prv 2 yrs	Categ
1	S1DOCTOR	S1DOCTOR:W1 Doctor visit, prv 12 mos	Categ
2	S2DOCTOR	S2DOCTOR:W2 Doctor visit, prv 2 yrs	Categ
3	S3DOCTOR	S3DOCTOR:W3 Doctor visit, prv 2 yrs	Categ
4	S4DOCTOR	S4DOCTOR:W4 Doctor visit, prv 2 yrs	Categ
5	S5DOCTOR	S5DOCTOR:W5 Doctor visit, prv 2 yrs	Categ
6	S6DOCTOR	S6DOCTOR:W6 Doctor visit, prv 2 yrs	Categ
7	S7DOCTOR	S7DOCTOR:W7 Doctor visit, prv 2 yrs	Categ
8	S8DOCTOR	S8DOCTOR:W8 Doctor visit, prv 2 yrs	Categ
9	S9DOCTOR	S9DOCTOR:W9 Doctor visit, prv 2 yrs	Categ
10	S10DOCTOR	S10DOCTOR:W10 Doctor visit, prv 2 yrs	Categ
11	S11DOCTOR	S11DOCTOR:W11 Doctor visit, prv 2 yrs	Categ
12	S12DOCTOR	S12DOCTOR:W12 Doctor visit, prv 2 yrs	Categ
1	R1DOCTIM	R1DOCTIM:W1 # Doctor vists, prv 12 mos	Cont
2	R2DOCTIM	R2DOCTIM:W2 # Doctor vists, prv 2 yrs	Cont
3	R3DOCTIM	R3DOCTIM:W3 # Doctor vists, prv 2 yrs	Cont
4	R4DOCTIM	R4DOCTIM:W4 # Doctor vists, prv 2 yrs	Cont
5	R5DOCTIM	R5DOCTIM:W5 # Doctor vists, prv 2 yrs	Cont
6	R6DOCTIM	R6DOCTIM:W6 # Doctor vists, prv 2 yrs	Cont
7	R7DOCTIM	R7DOCTIM:W7 # Doctor vists, prv 2 yrs	Cont
8	R8DOCTIM	R8DOCTIM:W8 # Doctor vists, prv 2 yrs	Cont
9	R9DOCTIM	R9DOCTIM:W9 # Doctor vists, prv 2 yrs	Cont
10	R10DOCTIM	R10DOCTIM:W10 # Doctor vists, prv 2 yrs	Cont
11	R11DOCTIM	R11DOCTIM:W11 # Doctor vists, prv 2 yrs	Cont
12	R12DOCTIM	R12DOCTIM:W12 # Doctor vists, prv 2 yrs	Cont
1	S1DOCTIM	S1DOCTIM:W1 # Doctor vists, prv 12 mos	Cont
2	S2DOCTIM	S2DOCTIM:W2 # Doctor vists, prv 2 yrs	Cont
3	S3DOCTIM	S3DOCTIM:W3 # Doctor vists, prv 2 yrs	Cont
4	S4DOCTIM	S4DOCTIM:W4 # Doctor vists, prv 2 yrs	Cont
5	S5DOCTIM	S5DOCTIM:W5 # Doctor vists, prv 2 yrs	Cont
6	S6DOCTIM	S6DOCTIM:W6 # Doctor vists, prv 2 yrs	Cont
7	S7DOCTIM	S7DOCTIM:W7 # Doctor vists, prv 2 yrs	Cont
8	S8DOCTIM	S8DOCTIM:W8 # Doctor vists, prv 2 yrs	Cont
9	S9DOCTIM	S9DOCTIM:W9 # Doctor vists, prv 2 yrs	Cont
10	S10DOCTIM	S10DOCTIM:W10 # Doctor vists, prv 2 yrs	Cont
11	S11DOCTIM	S11DOCTIM:W11 # Doctor vists, prv 2 yrs	Cont
12	S12DOCTIM	S12DOCTIM:W12 # Doctor vists, prv 2 yrs	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DOCTOR	12594	0.79	0.41	0.0	1.0
R2DOCTOR	19555	0.89	0.31	0.0	1.0
R3DOCTOR	17551	0.93	0.26	0.0	1.0
R4DOCTOR	20920	0.93	0.25	0.0	1.0
R5DOCTOR	19516	0.94	0.23	0.0	1.0

R6DOCTOR	18143	0.94	0.23	0.0	1.0
R7DOCTOR	20092	0.94	0.24	0.0	1.0
R8DOCTOR	18440	0.95	0.22	0.0	1.0
R9DOCTOR	17191	0.95	0.22	0.0	1.0
R10DOCTOR	21753	0.90	0.30	0.0	1.0
R11DOCTOR	20476	0.90	0.30	0.0	1.0
R12DOCTOR	18681	0.90	0.30	0.0	1.0
S1DOCTOR	9859	0.79	0.41	0.0	1.0
S2DOCTOR	13184	0.88	0.32	0.0	1.0
S3DOCTOR	11712	0.93	0.26	0.0	1.0
S4DOCTOR	13792	0.93	0.25	0.0	1.0
S5DOCTOR	12714	0.94	0.23	0.0	1.0
S6DOCTOR	11631	0.94	0.23	0.0	1.0
S7DOCTOR	12959	0.94	0.24	0.0	1.0
S8DOCTOR	11728	0.95	0.22	0.0	1.0
S9DOCTOR	10637	0.95	0.23	0.0	1.0
S10DOCTOR	13352	0.91	0.29	0.0	1.0
S11DOCTOR	12463	0.90	0.30	0.0	1.0
S12DOCTOR	11009	0.90	0.30	0.0	1.0
R1DOCTIM	12594	4.46	8.67	0.0	95.0
R2DOCTIM	19555	6.18	10.88	0.0	336.0
R3DOCTIM	17551	9.00	14.63	0.0	600.0
R4DOCTIM	20920	10.17	18.52	0.0	730.0
R5DOCTIM	19052	9.86	16.21	0.0	500.0
R6DOCTIM	17451	10.78	20.37	0.0	900.0
R7DOCTIM	19428	10.68	23.27	0.0	840.0
R8DOCTIM	17623	10.62	18.65	0.0	612.0
R9DOCTIM	16191	10.62	17.83	0.0	525.0
R10DOCTIM	20817	10.98	24.53	0.0	900.0
R11DOCTIM	19501	10.04	25.43	0.0	900.0
R12DOCTIM	17167	9.61	20.67	0.0	900.0
S1DOCTIM	9859	4.23	8.15	0.0	95.0
S2DOCTIM	12984	5.90	10.33	0.0	300.0
S3DOCTIM	11712	8.53	14.90	0.0	600.0
S4DOCTIM	13792	9.55	18.54	0.0	730.0
S5DOCTIM	12481	9.32	15.18	0.0	360.0
S6DOCTIM	11328	10.19	20.15	0.0	900.0
S7DOCTIM	12653	10.18	22.75	0.0	840.0
S8DOCTIM	11331	10.14	18.84	0.0	612.0
S9DOCTIM	10174	10.18	17.90	0.0	500.0
S10DOCTIM	12946	10.40	21.99	0.0	900.0
S11DOCTIM	12041	9.58	24.02	0.0	900.0
S12DOCTIM	10299	9.32	21.64	0.0	900.0

Categorical Variable Codes

Value	R1DOCTOR	R2DOCTOR	R3DOCTOR	R4DOCTOR	R5DOCTOR	R6DOCTOR	R7DOCTOR
.D=DK/NA	41	250	373	433	37	2	9
.M=Oth missing	17	2	56	20	20	15	21
.R=RF		10	11	11	6	5	7
0.No	2625	2100	1284	1418	1137	1058	1269
1.Yes	9969	17455	16267	19502	18379	17085	18823

Value	R8DOCTOR	R9DOCTOR	R10DOCTOR	R11DOCTOR	R12DOCTOR
.D=DK/NA	2	2	4	8	4
.M=Oth missing	22	18	264	64	54
.R=RF	5	6	13	6	9
0.No	954	917	2129	2082	1871
1.Yes	17486	16274	19624	18394	16810

Value	S1DOCTOR	S2DOCTOR	S3DOCTOR	S4DOCTOR	S5DOCTOR	S6DOCTOR	S7DOCTOR
.D=DK/NA	29	99	176	174	8		4
.M=Oth missing	12		24	6	5	5	4
.R=RF		5	3	6	3	3	5
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
0.No	2066	1581	842	922	715	666	792
1.Yes	7793	11603	10870	12870	11999	10965	12167

Value	S8DOCTOR	S9DOCTOR	S10DOCTOR	S11DOCTOR	S12DOCTOR
.D=DK/NA			2	3	1
.M=Oth missing	5	5	150	19	16
.R=RF	2	4	9	3	5
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	609	570	1265	1256	1094
1.Yes	11119	10067	12087	11207	9915

How Constructed

RwDOCTOR indicates whether the Respondent reports any doctor visit in the reference period. In Waves 1 and 2A, the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any doctor visit, RwDOCTIM is the reported number of visits.

SwDOCTOR and SwDOCTIM give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. If the Respondent did not report any doctor visit, then RwDOCTIM is zero. RwDOCTOR is recoded as a yes/no indicator based on the number of visits reported.

Beginning in Wave 5 unfolding bracket questions are introduced for those who don't know or refuse this question. Any response of "about" to these questions assigns the value to RwDOCTIM. For example if the Respondent responds about 20, then 20 is assigned RwDOCTIM. In addition SAS special missing values indicate the resulting bracket:

.E indicates 1-4 times
.F indicates 6-19 times
.G indicates 21-49 times
.H indicates 51 or more times

.I indicates at least once
.J indicates 0-5 times
.K indicates 1-19 times
.L indicates 21 or more times

If the Respondent falls into any of these brackets except 0-5 times (.J), then RwDOCTOR is set to yes (=1). If the Respondent says no to seeing a doctor at least once, RwDOCTIM is set to zero and RwDOCTOR is set to no (=0).

In Wave 2A, the S2DOCTOR is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3DOCTOR is taken from the Wave 3 spouse's R3DOCTOR variable.

Cross Wave Differences in Original HRS Data

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A, and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For doctor visits, the question asks how many times the Respondent has seen or talked to a medical doctor including emergency room or clinic visits. In Waves 1and 2, the question text instructs the Respondent not to include overnight hospital or nursing home stays. Beginning in Wave 3, the question text only instructs the Respondent not to include any hospital stays.

Beginning in Wave 5, there are unfolding bracket questions if the Respondent doesn't know or refuses to answer the question. The amounts in this series of questions are at least once, 5, 20, and 50 times. The order presented is 20, then 5, and at least once if less than 20, or 50 if more than 20. The responses could be less than, more than, or about.

HRS Variables Used

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HRS 1992:
    V10539          B47:YR:TIMES W/ DOCT:IND
    V539            B47:YR:TIMES W/ DOCT:IMP
AHEAD 1993:
    B640            E12. #TIMES R TALK TO DOCTOR LAST 12 MOS
HRS 1994:
    W420            B31.NUMBER OF DOCTOR VIS
AHEAD 1995:
    D1698           E11. DR TIMES
HRS 1996:
    E1790           E11. DR TIMES
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HRS 1998:
    F2331           E11. DR TIMES
HRS 2000:
    G2603           E11. DR TIMES
    G2604           E11A. DR 20 TIMES
    G2605           E11B. DR 5 TIMES
    G2606           E11C. DR ANY TIME
    G2607           E11D. DR 50 TIMES
HRS 2002:
    HN147           # TIMES SEEN DR- PREV IW/2 YRS
    HN148           NUMBER TIMES SEEN DOCTOR 20X
    HN149           NUMBER TIMES SEEN DOCTOR 5X
    HN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    HN151           R SEEK DOC ADVICE 50X
HRS 2004:
    JN147           # TIMES SEEN DR- PREV IW/2 YRS
    JN148           NUMBER TIMES SEEN DOCTOR 20X
    JN149           NUMBER TIMES SEEN DOCTOR 5X
    JN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    JN151           R SEEK DOC ADVICE 50X
HRS 2006:
    KN147           # TIMES SEEN DR- PREV IW/2 YRS
    KN148           NUMBER TIMES SEEN DOCTOR 20X
    KN149           NUMBER TIMES SEEN DOCTOR 5X
    KN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    KN151           R SEEK DOC ADVICE 50X
HRS 2008:
    LN147           # TIMES SEEN DR- PREV IW/2 YRS
    LN148           NUMBER TIMES SEEN DOCTOR 20X
    LN149           NUMBER TIMES SEEN DOCTOR 5X
    LN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    LN151           R SEEK DOC ADVICE 50X
HRS 2010:
    MN147           # TIMES SEEN DR- PREV IW/2 YRS
    MN148           NUMBER TIMES SEEN DOCTOR 20X
    MN149           NUMBER TIMES SEEN DOCTOR 5X
    MN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    MN151           R SEEK DOC ADVICE 50X
HRS 2012:
    NN147           # TIMES SEEN DR- PREV IW/2 YRS
    NN148           NUMBER TIMES SEEN DOCTOR 20X
    NN149           NUMBER TIMES SEEN DOCTOR 5X
    NN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    NN151           R SEEK DOC ADVICE 50X
HRS 2014:
    ON147           # TIMES SEEN DR- PREV IW/2 YRS
    ON148           NUMBER TIMES SEEN DOCTOR 20X
    ON149           NUMBER TIMES SEEN DOCTOR 5X
    ON150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    ON151           R SEEK DOC ADVICE 50X
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Medical care utilization: Home Care

Wave	Variable	Label	Type
1	R1HOMCAR	R1HOMCAR:W1 Home hlth care, prv 12 mos	Categ
2	R2HOMCAR	R2HOMCAR:W2 Home hlth care, prv 2 yrs	Categ
3	R3HOMCAR	R3HOMCAR:W3 Home hlth care, prv 2 yrs	Categ
4	R4HOMCAR	R4HOMCAR:W4 Home hlth care, prv 2 yrs	Categ
5	R5HOMCAR	R5HOMCAR:W5 Home hlth care, prv 2 yrs	Categ
6	R6HOMCAR	R6HOMCAR:W6 Home hlth care, prv 2 yrs	Categ
7	R7HOMCAR	R7HOMCAR:W7 Home hlth care, prv 2 yrs	Categ
8	R8HOMCAR	R8HOMCAR:W8 Home hlth care, prv 2 yrs	Categ
9	R9HOMCAR	R9HOMCAR:W9 Home hlth care, prv 2 yrs	Categ
10	R10HOMCAR	R10HOMCAR:W10 Home hlth care, prv 2 yrs	Categ
11	R11HOMCAR	R11HOMCAR:W11 Home hlth care, prv 2 yrs	Categ
12	R12HOMCAR	R12HOMCAR:W12 Home hlth care, prv 2 yrs	Categ
1	S1HOMCAR	S1HOMCAR:W1 Home hlth care, prv 12 mos	Categ
2	S2HOMCAR	S2HOMCAR:W2 Home hlth care, prv 2 yrs	Categ
3	S3HOMCAR	S3HOMCAR:W3 Home hlth care, prv 2 yrs	Categ
4	S4HOMCAR	S4HOMCAR:W4 Home hlth care, prv 2 yrs	Categ
5	S5HOMCAR	S5HOMCAR:W5 Home hlth care, prv 2 yrs	Categ
6	S6HOMCAR	S6HOMCAR:W6 Home hlth care, prv 2 yrs	Categ
7	S7HOMCAR	S7HOMCAR:W7 Home hlth care, prv 2 yrs	Categ
8	S8HOMCAR	S8HOMCAR:W8 Home hlth care, prv 2 yrs	Categ
9	S9HOMCAR	S9HOMCAR:W9 Home hlth care, prv 2 yrs	Categ
10	S10HOMCAR	S10HOMCAR:W10 Home hlth care, prv 2 yrs	Categ
11	S11HOMCAR	S11HOMCAR:W11 Home hlth care, prv 2 yrs	Categ
12	S12HOMCAR	S12HOMCAR:W12 Home hlth care, prv 2 yrs	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HOMCAR	12635	0.01	0.11	0.0	1.0
R2HOMCAR	19762	0.06	0.23	0.0	1.0
R3HOMCAR	17651	0.08	0.26	0.0	1.0
R4HOMCAR	20933	0.08	0.26	0.0	1.0
R5HOMCAR	19073	0.07	0.25	0.0	1.0
R6HOMCAR	17945	0.07	0.26	0.0	1.0
R7HOMCAR	19938	0.07	0.25	0.0	1.0
R8HOMCAR	18288	0.08	0.27	0.0	1.0
R9HOMCAR	17041	0.09	0.28	0.0	1.0
R10HOMCAR	21622	0.09	0.28	0.0	1.0
R11HOMCAR	20328	0.09	0.28	0.0	1.0
R12HOMCAR	18601	0.09	0.29	0.0	1.0
S1HOMCAR	9886	0.01	0.10	0.0	1.0
S2HOMCAR	13242	0.03	0.18	0.0	1.0
S3HOMCAR	11820	0.05	0.22	0.0	1.0
S4HOMCAR	13885	0.06	0.23	0.0	1.0
S5HOMCAR	12619	0.05	0.22	0.0	1.0
S6HOMCAR	11597	0.05	0.23	0.0	1.0
S7HOMCAR	12937	0.05	0.22	0.0	1.0
S8HOMCAR	11711	0.06	0.24	0.0	1.0
S9HOMCAR	10620	0.06	0.24	0.0	1.0
S10HOMCAR	13335	0.06	0.25	0.0	1.0
S11HOMCAR	12436	0.07	0.25	0.0	1.0
S12HOMCAR	11002	0.07	0.25	0.0	1.0

Categorical Variable Codes

Value	R1HOMCAR	R2HOMCAR	R3HOMCAR	R4HOMCAR	R5HOMCAR	R6HOMCAR	R7HOMCAR
.D=DK/NA	3	2	2		5	13	9
.M=Oth missing	14	52	37	20	42	21	23
.N=In NHM			298	429	457	180	149
.R=RF		1	3	2	2	6	10
0.No	12487	18632	16325	19350	17770	16631	18577
1.Yes	148	1130	1326	1583	1303	1314	1361

Value	R8HOMCAR	R9HOMCAR	R10HOMCAR	R11HOMCAR	R12HOMCAR
.D=DK/NA	10	10	10	11	15
.M=Oth missing	18	19	267	65	55
.N=In NHM	148	142	123	148	75
.R=RF	5	5	12	2	2
0.No	16817	15553	19709	18564	16914
1.Yes	1471	1488	1913	1764	1687

Value	S1HOMCAR	S2HOMCAR	S3HOMCAR	S4HOMCAR	S5HOMCAR	S6HOMCAR	S7HOMCAR
.D=DK/NA	3				3	4	1
.M=Oth missing	11	24	13	6	12	6	5
.N=In NHM			81	87	95	29	22
.R=RF			1		1	3	7
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	406	418	537	311	220	380
0.No	9795	12807	11211	13109	11982	10964	12308
1.Yes	91	435	609	776	637	633	629

Value	S8HOMCAR	S9HOMCAR	S10HOMCAR	S11HOMCAR	S12HOMCAR
.D=DK/NA	2	1	4	3	
.M=Oth missing	3	5	152	19	16
.N=In NHM	16	18	15	30	11
.R=RF	3	2	7		2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11014	9943	12476	11619	10245
1.Yes	697	677	859	817	757

How Constructed

RwHOMCAR indicates whether the Respondent reports any home health care in the reference period. In Wave 1 and 2A the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees.

SwHOMCAR gives this information for the Respondent's spouse or partner.

RwHOMCAR is recoded as a yes/no indicator and for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. From Wave 3 forward this question is skipped if the Respondent lives in a nursing home at the time of the interview (see RwNHMLIV earlier in this section). If the question is skipped for this reason, RwHOMCAR is set to .N, the Respondent lives in a nursing home.

In Wave 2A, only the Financial Respondent was asked to answer either himself/herself, partner, or both used home health care. If the Financial Respondent answers "himself/herself" or "both," then R2HOMCAR is set to "1" for yes.

In Wave 2A, the S2HOMCAR is taken from spouses' or HH-level response. For all other waves, the spouse variables

are taken from the Wave "w" spouse's self-reported information, e.g., S3HOMCAR is taken from the Wave 3 spouse's R3HOMCAR variable.

Cross Wave Differences in Original HRS Data

The questions about medical service utilization vary across waves. Wave 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For home health care, the questions in Waves 1 and 2H ask if the Respondent required any professional nursing care in his/her own home, and on how many days he/she had home nursing care. In Wave 2A and from Wave 3 on, the question asks if any medically-trained person has come to the Respondent's home to help him/her. In Wave 2A, only the Financial Respondent was asked to answer either himself/herself, partner or both used home health care. Beginning Wave 3, the question is skipped if the Respondent is in a nursing home. There is no follow-up question about the number of days.

HRS Variables Used

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HRS 1992:
    V10541          B49:PST YR:PRO NURS :IND
    V541            B49:PST YR:PRO NURS :IMP
AHEAD 1993:
    B701            E22. R/SP IN-HOME MED SERV NOT COVERED
HRS 1994:
    W424            B33.PROFESSIONAL NURSING
AHEAD 1995:
    D1760           E22.IN-HOME SERV
    D240            CS11.R-WHERE LIVE
HRS 1996:
    E1827           E22.IN-HOME SERV
    E240            CS11.R-WHERE LIVE
HRS 1998:
    F2357           E22.IN-HOME SERV
    F517            CS11.R IN NURSING HOME
HRS 2000:
    G2634           E22.IN-HOME SERV
    G558            CS11.R IN NURSING HOME
HRS 2002:
    HA028           R IN NURSING HOME
    HN189           USED HOME HEALTH SVC- PREV IW/2 YRS
HRS 2004:
    JA028           R IN NURSING HOME
    JN189           USED HOME HEALTH SVC- PREV IW/2 YRS
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HRS 2006:
    KA028           R IN NURSING HOME
    KN189           USED HOME HEALTH SVC- PREV IW/2 YRS
HRS 2008:
    LA028           R IN NURSING HOME
    LN189           USED HOME HEALTH SVC- PREV IW/2 YRS
HRS 2010:
    MA028           R IN NURSING HOME
    MN189           USED HOME HEALTH SVC- PREV IW/2 YRS
HRS 2012:
    NA028           R IN NURSING HOME
    NN189           USED HOME HEALTH SVC- PREV IW/2 YRS
HRS 2014:
    OA028           R IN NURSING HOME
    ON189           USED HOME HEALTH SVC- PREV IW/2 YRS
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Medical care utilization: Other Medical Care Utilization

Wave	Variable	Label	Type
2	R2DRUGS	R2DRUGS:W2 Reg take Rx, prv 1-yr(A)	Categ
3	R3DRUGS	R3DRUGS:W3 Reg take Rx, Prv 2 yrs	Categ
4	R4DRUGS	R4DRUGS:W4 Reg take Rx, Prv 2 yrs	Categ
5	R5DRUGS	R5DRUGS:W5 Reg take Rx, Prv 2 yrs	Categ
6	R6DRUGS	R6DRUGS:W6 Reg take Rx, Prv 2 yrs	Categ
7	R7DRUGS	R7DRUGS:W7 Reg take Rx, Prv 2 yrs	Categ
8	R8DRUGS	R8DRUGS:W8 Reg take Rx, Prv 2 yrs	Categ
9	R9DRUGS	R9DRUGS:W9 Reg take Rx, Prv 2 yrs	Categ
10	R10DRUGS	R10DRUGS:W10 Reg take Rx, Prv 2 yrs	Categ
11	R11DRUGS	R11DRUGS:W11 Reg take Rx, Prv 2 yrs	Categ
12	R12DRUGS	R12DRUGS:W12 Reg take Rx, Prv 2 yrs	Categ
2	S2DRUGS	S2DRUGS:W2 Reg take Rx, prv 1-yr(A)	Categ
3	S3DRUGS	S3DRUGS:W3 Reg take Rx, Prv 2 yrs	Categ
4	S4DRUGS	S4DRUGS:W4 Reg take Rx, Prv 2 yrs	Categ
5	S5DRUGS	S5DRUGS:W5 Reg take Rx, Prv 2 yrs	Categ
6	S6DRUGS	S6DRUGS:W6 Reg take Rx, Prv 2 yrs	Categ
7	S7DRUGS	S7DRUGS:W7 Reg take Rx, Prv 2 yrs	Categ
8	S8DRUGS	S8DRUGS:W8 Reg take Rx, Prv 2 yrs	Categ
9	S9DRUGS	S9DRUGS:W9 Reg take Rx, Prv 2 yrs	Categ
10	S10DRUGS	S10DRUGS:W10 Reg take Rx, Prv 2 yrs	Categ
11	S11DRUGS	S11DRUGS:W11 Reg take Rx, Prv 2 yrs	Categ
12	S12DRUGS	S12DRUGS:W12 Reg take Rx, Prv 2 yrs	Categ
2	R2OUTPT	R2OUTPT:W2 OutpatSurg, prv 1-,2-yr(A,H)	Categ
3	R3OUTPT	R3OUTPT:W3 Outpatient surgry, prv 2 yrs	Categ
4	R4OUTPT	R4OUTPT:W4 Outpatient surgry, prv 2 yrs	Categ
5	R5OUTPT	R5OUTPT:W5 Outpatient surgry, prv 2 yrs	Categ
6	R6OUTPT	R6OUTPT:W6 Outpatient surgry, prv 2 yrs	Categ
7	R7OUTPT	R7OUTPT:W7 Outpatient surgry, prv 2 yrs	Categ
8	R8OUTPT	R8OUTPT:W8 Outpatient surgry, prv 2 yrs	Categ
9	R9OUTPT	R9OUTPT:W9 Outpatient surgry, prv 2 yrs	Categ
10	R10OUTPT	R10OUTPT:W10 Outpatient surgry, prv 2 yrs	Categ
11	R11OUTPT	R11OUTPT:W11 Outpatient surgry, prv 2 yrs	Categ
12	R12OUTPT	R12OUTPT:W12 Outpatient surgry, prv 2 yrs	Categ
2	S2OUTPT	S2OUTPT:W2 OutpatSurg, prv 1-,2-yr(A,H)	Categ
3	S3OUTPT	S3OUTPT:W3 Outpatient surgry, prv 2 yrs	Categ
4	S4OUTPT	S4OUTPT:W4 Outpatient surgry, prv 2 yrs	Categ
5	S5OUTPT	S5OUTPT:W5 Outpatient surgry, prv 2 yrs	Categ
6	S6OUTPT	S6OUTPT:W6 Outpatient surgry, prv 2 yrs	Categ
7	S7OUTPT	S7OUTPT:W7 Outpatient surgry, prv 2 yrs	Categ
8	S8OUTPT	S8OUTPT:W8 Outpatient surgry, prv 2 yrs	Categ
9	S9OUTPT	S9OUTPT:W9 Outpatient surgry, prv 2 yrs	Categ
10	S10OUTPT	S10OUTPT:W10 Outpatient surgry, prv 2 yrs	Categ
11	S11OUTPT	S11OUTPT:W11 Outpatient surgry, prv 2 yrs	Categ
12	S12OUTPT	S12OUTPT:W12 Outpatient surgry, prv 2 yrs	Categ
2	R2DENTST	R2DENTST:W2 DentVisit, prv 1-,2-yr(A,H)	Categ
3	R3DENTST	R3DENTST:W3 Dental visit, prv 2 yrs	Categ
4	R4DENTST	R4DENTST:W4 Dental visit, prv 2 yrs	Categ
5	R5DENTST	R5DENTST:W5 Dental visit, prv 2 yrs	Categ
6	R6DENTST	R6DENTST:W6 Dental visit, prv 2 yrs	Categ
7	R7DENTST	R7DENTST:W7 Dental visit, prv 2 yrs	Categ
8	R8DENTST	R8DENTST:W8 Dental visit, prv 2 yrs	Categ
9	R9DENTST	R9DENTST:W9 Dental visit, prv 2 yrs	Categ
10	R10DENTST	R10DENTST:W10 Dental visit, prv 2 yrs	Categ
11	R11DENTST	R11DENTST:W11 Dental visit, prv 2 yrs	Categ
12	R12DENTST	R12DENTST:W12 Dental visit, prv 2 yrs	Categ
2	S2DENTST	S2DENTST:W2 DentVisit, prv 1-,2-yr(A,H)	Categ
3	S3DENTST	S3DENTST:W3 Dental visit, prv 2 yrs	Categ
4	S4DENTST	S4DENTST:W4 Dental visit, prv 2 yrs	Categ
5	S5DENTST	S5DENTST:W5 Dental visit, prv 2 yrs	Categ
6	S6DENTST	S6DENTST:W6 Dental visit, prv 2 yrs	Categ
7	S7DENTST	S7DENTST:W7 Dental visit, prv 2 yrs	Categ

8	S8DENTST	S8DENTST:W8 Dental visit, prv 2 yrs	Categ
9	S9DENTST	S9DENTST:W9 Dental visit, prv 2 yrs	Categ
10	S10DENTST	S10DENTST:W10 Dental visit, prv 2 yrs	Categ
11	S11DENTST	S11DENTST:W11 Dental visit, prv 2 yrs	Categ
12	S12DENTST	S12DENTST:W12 Dental visit, prv 2 yrs	Categ
2	R2SPCFAC	R2SPCFAC:W2 SpcHlthFac, prv 1-,2-yr(A,H)	Categ
3	R3SPCFAC	R3SPCFAC:W3 Spec hlth facilty, prv 2 yrs	Categ
4	R4SPCFAC	R4SPCFAC:W4 Spec hlth facilty, prv 2 yrs	Categ
5	R5SPCFAC	R5SPCFAC:W5 Spec hlth facilty, prv 2 yrs	Categ
6	R6SPCFAC	R6SPCFAC:W6 Spec hlth facilty, prv 2 yrs	Categ
7	R7SPCFAC	R7SPCFAC:W7 Spec hlth facilty, prv 2 yrs	Categ
8	R8SPCFAC	R8SPCFAC:W8 Spec hlth facilty, prv 2 yrs	Categ
9	R9SPCFAC	R9SPCFAC:W9 Spec hlth facilty, prv 2 yrs	Categ
10	R10SPCFAC	R10SPCFAC:W10 Spec hlth facilty, prv 2 yrs	Categ
11	R11SPCFAC	R11SPCFAC:W11 Spec hlth facilty, prv 2 yrs	Categ
12	R12SPCFAC	R12SPCFAC:W12 Spec hlth facilty, prv 2 yrs	Categ
2	S2SPCFAC	S2SPCFAC:W2 SpcHlthFac, prv 1-,2-yr(A,H)	Categ
3	S3SPCFAC	S3SPCFAC:W3 Spec hlth facilty, prv 2 yrs	Categ
4	S4SPCFAC	S4SPCFAC:W4 Spec hlth facilty, prv 2 yrs	Categ
5	S5SPCFAC	S5SPCFAC:W5 Spec hlth facilty, prv 2 yrs	Categ
6	S6SPCFAC	S6SPCFAC:W6 Spec hlth facilty, prv 2 yrs	Categ
7	S7SPCFAC	S7SPCFAC:W7 Spec hlth facilty, prv 2 yrs	Categ
8	S8SPCFAC	S8SPCFAC:W8 Spec hlth facilty, prv 2 yrs	Categ
9	S9SPCFAC	S9SPCFAC:W9 Spec hlth facilty, prv 2 yrs	Categ
10	S10SPCFAC	S10SPCFAC:W10 Spec hlth facilty, prv 2 yrs	Categ
11	S11SPCFAC	S11SPCFAC:W11 Spec hlth facilty, prv 2 yrs	Categ
12	S12SPCFAC	S12SPCFAC:W12 Spec hlth facilty, prv 2 yrs	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2DRUGS	19792	0.70	0.46	0.0	1.0
R3DRUGS	17952	0.69	0.46	0.0	1.0
R4DRUGS	21351	0.73	0.44	0.0	1.0
R5DRUGS	19547	0.78	0.42	0.0	1.0
R6DRUGS	18147	0.81	0.39	0.0	1.0
R7DRUGS	20092	0.79	0.41	0.0	1.0
R8DRUGS	18451	0.82	0.38	0.0	1.0
R9DRUGS	17199	0.84	0.37	0.0	1.0
R10DRUGS	21874	0.80	0.40	0.0	1.0
R11DRUGS	20512	0.81	0.39	0.0	1.0
R12DRUGS	18716	0.82	0.38	0.0	1.0
S2DRUGS	13274	0.67	0.47	0.0	1.0
S3DRUGS	11905	0.67	0.47	0.0	1.0
S4DRUGS	13967	0.71	0.45	0.0	1.0
S5DRUGS	12722	0.76	0.42	0.0	1.0
S6DRUGS	11634	0.80	0.40	0.0	1.0
S7DRUGS	12957	0.78	0.42	0.0	1.0
S8DRUGS	11727	0.80	0.40	0.0	1.0
S9DRUGS	10639	0.83	0.38	0.0	1.0
S10DRUGS	13417	0.78	0.41	0.0	1.0
S11DRUGS	12474	0.80	0.40	0.0	1.0
S12DRUGS	11023	0.81	0.40	0.0	1.0
R2OUTPT	8217	0.14	0.34	0.0	1.0
R3OUTPT	17939	0.17	0.38	0.0	1.0
R4OUTPT	21349	0.19	0.39	0.0	1.0
R5OUTPT	19542	0.18	0.38	0.0	1.0

R6OUTPT	18120	0.20	0.40	0.0	1.0
R7OUTPT	20076	0.21	0.40	0.0	1.0
R8OUTPT	18425	0.21	0.41	0.0	1.0
R9OUTPT	17155	0.21	0.41	0.0	1.0
R10OUTPT	21702	0.21	0.41	0.0	1.0
R11OUTPT	20450	0.18	0.38	0.0	1.0
R12OUTPT	18665	0.18	0.39	0.0	1.0
S2OUTPT	4548	0.14	0.35	0.0	1.0
S3OUTPT	11895	0.18	0.38	0.0	1.0
S4OUTPT	13964	0.19	0.39	0.0	1.0
S5OUTPT	12718	0.19	0.39	0.0	1.0
S6OUTPT	11618	0.21	0.41	0.0	1.0
S7OUTPT	12949	0.21	0.41	0.0	1.0
S8OUTPT	11716	0.22	0.41	0.0	1.0
S9OUTPT	10617	0.21	0.41	0.0	1.0
S10OUTPT	13329	0.21	0.41	0.0	1.0
S11OUTPT	12451	0.19	0.39	0.0	1.0
S12OUTPT	10997	0.19	0.39	0.0	1.0
R2DENTST	8216	0.45	0.50	0.0	1.0
R3DENTST	17941	0.60	0.49	0.0	1.0
R4DENTST	21340	0.62	0.49	0.0	1.0
R5DENTST	19532	0.61	0.49	0.0	1.0
R6DENTST	18101	0.59	0.49	0.0	1.0
R7DENTST	20064	0.63	0.48	0.0	1.0
R8DENTST	18411	0.63	0.48	0.0	1.0
R9DENTST	17164	0.63	0.48	0.0	1.0
R10DENTST	21725	0.63	0.48	0.0	1.0
R11DENTST	20444	0.61	0.49	0.0	1.0
R12DENTST	18662	0.61	0.49	0.0	1.0
S2DENTST	4546	0.50	0.50	0.0	1.0
S3DENTST	11895	0.65	0.48	0.0	1.0
S4DENTST	13963	0.67	0.47	0.0	1.0
S5DENTST	12714	0.67	0.47	0.0	1.0
S6DENTST	11615	0.65	0.48	0.0	1.0
S7DENTST	12949	0.68	0.47	0.0	1.0
S8DENTST	11716	0.68	0.47	0.0	1.0
S9DENTST	10624	0.68	0.47	0.0	1.0
S10DENTST	13342	0.67	0.47	0.0	1.0
S11DENTST	12454	0.65	0.48	0.0	1.0
S12DENTST	11004	0.65	0.48	0.0	1.0
R2SPCFAC	8168	0.08	0.27	0.0	1.0
R3SPCFAC	17647	0.06	0.24	0.0	1.0
R4SPCFAC	20932	0.07	0.26	0.0	1.0
R5SPCFAC	19076	0.07	0.25	0.0	1.0
R6SPCFAC	18126	0.08	0.27	0.0	1.0
R7SPCFAC	20084	0.08	0.28	0.0	1.0
R8SPCFAC	18424	0.09	0.29	0.0	1.0
R9SPCFAC	17169	0.09	0.29	0.0	1.0
R10SPCFAC	21728	0.17	0.37	0.0	1.0
R11SPCFAC	20465	0.15	0.36	0.0	1.0
R12SPCFAC	18662	0.16	0.37	0.0	1.0
S2SPCFAC	4503	0.04	0.21	0.0	1.0
S3SPCFAC	11817	0.05	0.21	0.0	1.0
S4SPCFAC	13885	0.06	0.24	0.0	1.0

S5SPCFAC	12622	0.05	0.22	0.0	1.0
S6SPCFAC	11623	0.07	0.25	0.0	1.0
S7SPCFAC	12960	0.07	0.25	0.0	1.0
S8SPCFAC	11726	0.08	0.27	0.0	1.0
S9SPCFAC	10632	0.08	0.27	0.0	1.0
S10SPCFAC	13344	0.15	0.36	0.0	1.0
S11SPCFAC	12462	0.14	0.34	0.0	1.0
S12SPCFAC	11000	0.14	0.35	0.0	1.0

Categorical Variable Codes

Value	R2DRUGS	R3DRUGS	R4DRUGS	R5DRUGS	R6DRUGS	R7DRUGS
.D=DK/NA	19	5	9	7	5	4
.M=Oth missing	4	32	21	22	7	22
.R=RF	2	2	3	3	6	11
0.No	5970	5561	5801	4378	3459	4196
1.Yes	13822	12391	15550	15169	14688	15896

Value	R8DRUGS	R9DRUGS	R10DRUGS	R11DRUGS	R12DRUGS
.D=DK/NA	4	4	2	3	7
.M=Oth missing	9	8	147	34	23
.R=RF	5	6	11	5	2
0.No	3330	2766	4473	3865	3347
1.Yes	15121	14433	17401	16647	15369

Value	S2DRUGS	S3DRUGS	S4DRUGS	S5DRUGS	S6DRUGS	S7DRUGS
.D=DK/NA	9		4	2		1
.M=Oth missing	4	10	6	5	2	5
.R=RF	1		1	1	3	9
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
0.No	4418	3919	4021	3003	2365	2903
1.Yes	8856	7986	9946	9719	9269	10054

Value	S8DRUGS	S9DRUGS	S10DRUGS	S11DRUGS	S12DRUGS
.D=DK/NA	1	1	1	1	1
.M=Oth missing	3	1	90	11	6
.R=RF	4	5	5	2	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	2295	1849	2934	2529	2133
1.Yes	9432	8790	10483	9945	8890

Value	R2OUTPT	R3OUTPT	R4OUTPT	R5OUTPT	R6OUTPT	R7OUTPT
.D=DK/NA	4	18	11	11	23	23
.M=Oth missing	1	32	20	22	15	21
.Q=Not asked this wv	11420					
.R=RF		2	4	4	7	9
0.No	7086	14843	17334	16044	14451	15946
1.Yes	1131	3096	4015	3498	3669	4130

Value	R8OUTPT	R9OUTPT	R10OUTPT	R11OUTPT	R12OUTPT
.D=DK/NA	24	39	56	35	27
.M=Oth missing	17	17	264	64	53
.R=RF	3	6	12	5	3
0.No	14490	13586	17160	16770	15238
1.Yes	3935	3569	4542	3680	3427

Value	S2OUTPT	S3OUTPT	S4OUTPT	S5OUTPT	S6OUTPT	S7OUTPT
.D=DK/NA		9	8	5	12	12
.M=Oth missing	1	11	6	5	5	4
.Q=Not asked this wv	9123					
.R=RF				2	4	7
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR		418	537	311	220	380
0.No	3893	9790	11287	10348	9175	10200
1.Yes	655	2105	2677	2370	2443	2749

Value	S8OUTPT	S9OUTPT	S10OUTPT	S11OUTPT	S12OUTPT
.D=DK/NA	14	21	25	14	17
.M=Oth missing	3	4	150	19	16
.R=RF	2	4	9	4	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9153	8362	10469	10118	8898
1.Yes	2563	2255	2860	2333	2099

Value	R2DENTST	R3DENTST	R4DENTST	R5DENTST	R6DENTST	R7DENTST
.D=DK/NA	5	17	22	23	39	35
.M=Oth missing	1	32	20	22	15	21
.Q=Not asked this wv	11420					
.R=RF		1	2	2	10	9
0.No	4518	7184	8134	7583	7343	7497
1.Yes	3698	10757	13206	11949	10758	12567

Value	R8DENTST	R9DENTST	R10DENTST	R11DENTST	R12DENTST
.D=DK/NA	35	28	27	39	25
.M=Oth missing	17	19	264	64	54
.R=RF	6	6	18	7	7
0.No	6890	6428	7983	8057	7346
1.Yes	11521	10736	13742	12387	11316

Value	S2DENTST	S3DENTST	S4DENTST	S5DENTST	S6DENTST	S7DENTST
.D=DK/NA	2	10	9	10	13	14
.M=Oth missing	1	10	6	5	5	4
.Q=Not asked this wv	9123					
.R=RF				1	6	5
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR		418	537	311	220	380
0.No	2290	4173	4623	4259	4085	4164
1.Yes	2256	7722	9340	8455	7530	8785

Value	S8DENTST	S9DENTST	S10DENTST	S11DENTST	S12DENTST
.D=DK/NA	14	14	10	12	7
.M=Oth missing	3	5	150	19	16
.R=RF	2	3	11	3	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	3805	3426	4350	4364	3807
1.Yes	7911	7198	8992	8090	7197

Value	R2SPCFAC	R3SPCFAC	R4SPCFAC	R5SPCFAC	R6SPCFAC	R7SPCFAC
.D=DK/NA	1	6		3	15	14
.M=Oth missing	52	335	449	499	15	22
.Q=Not asked this wv	11420					
.R=RF	1	3	3	1	9	9
0.No	7520	16535	19449	17788	16706	18391
1.Yes	648	1112	1483	1288	1420	1693

Value	R8SPCFAC	R9SPCFAC	R10SPCFAC	R11SPCFAC	R12SPCFAC
.D=DK/NA	19	20	25	20	25
.M=Oth missing	18	19	266	65	55
.R=RF	8	9	15	4	6
0.No	16674	15546	18061	17348	15630
1.Yes	1750	1623	3667	3117	3032

Value	S2SPCFAC	S3SPCFAC	S4SPCFAC	S5SPCFAC	S6SPCFAC	S7SPCFAC
.D=DK/NA		2		1	7	3
.M=Oth missing	24	95	93	107	5	5
.Q=Not asked this wv	9123					
.R=RF		1			4	4
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	22	418	537	311	220	380
0.No	4304	11250	13067	11958	10850	12065
1.Yes	199	567	818	664	773	895

Value	S8SPCFAC	S9SPCFAC	S10SPCFAC	S11SPCFAC	S12SPCFAC
.D=DK/NA	3	5	11	5	12
.M=Oth missing	3	5	150	19	16
.R=RF	3	4	8	2	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10804	9804	11286	10771	9459
1.Yes	922	828	2058	1691	1541

How Constructed

RwDRUGS, RwOUTPT, RwDENTST, and RwSPCFAC indicate whether the Respondent reports regular use of prescription drugs, outpatient surgery, dental visits, or use of special facilities or services during the reference period. In Wave 2A the reference period is 12 months, and in subsequent waves it is the period since the last interview, or the last 2 years for new interviewees.

SwDRUGS, SwOUTPT, SwDENTST, and SwSPCFAC give this information for the Respondent's spouse or partner.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

These medical care utilization variables are recoded as yes/no indicators and for missing values.

In Wave 2A, the question about outpatient surgery, dental visits, or regular use of prescription drugs was asked of financial and non-financial Respondents. When information is available for both Respondent types, the Financial Respondent's HH-level information may not agree with the information given by individual Respondents, in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information. Only the Financial Respondent was asked to answer whether himself/herself, partner or both have any use of special facilities or services. If the Financial Respondent answers "himself/herself" or "both," then R2SPCFAC set to 1 for yes.

In Wave 2A, the S2DRUGS, S2OUTPT, S2DENTST is taken from spouse's or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3OUTPT is taken from the Wave 3 spouse's R3OUTPT variable.

Cross Wave Differences in Original HRS Data

The questions about medical service utilization vary across waves. Wave 1 and 2A questions ask about the last 12 months, while questions in other waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For prescription drugs, the Wave 2H question asks if the Respondent regularly purchases medications prescribed for him/her by a doctor. In Wave 2A and from Wave 3 on, the question asks if the Respondent regularly takes prescription medications. From Wave 4 forward, if the Respondent reported taking drugs when asked about health conditions, the question is not asked, but the variable is filled indicating the use of prescription drugs (Medications Known - Assigned).

From Wave 2A and Wave 3 on, questions are added which ask if the Respondent has seen a dentist for dental care

including dentures; had outpatient surgery, not counting hospital stays; and used any special facility or service not already asked about, such as an adult care center, a social worker, an outpatient rehabilitation program, or transportation or meals for the elderly or disabled. These questions are not asked in Waves 1 and 2H. In Wave 2A, only the Financial Respondent was asked to answer either himself/herself, partner, or both used special facilities or services.

HRS Variables Used

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AHEAD 1993:
    B654R           E14. R OUTPATIENT SURGERY LAST 12 MOS
    B669R           E17. R DENTIST LAST 12 MOS
    B685R           E20. R TAKEN MEDS LAST 12 MOS
    B715            E24. R/SP USE OTHER SERVICE LAST 12 MOS
HRS 1994:
    W433            B33-1a.PURCHASE MEDICATI
AHEAD 1995:
    D1713           E14. OUTPATIENT SURGERY
    D1728           E17. DENTIST
    D1744           E20. DRUGS
    D1774           E24.R USE SERVICE
HRS 1996:
    E1795           E14. OUTPATIENT SURGERY-YR
    E1800           E17.DENTIST-YR
    E1811           E20. DRUGS-YR
    E1831           E24.R USE SERVICE
HRS 1998:
    F2333           E14. OUTPATIENT SURGERY-YR
    F2335           E17.DENTIST-YR
    F2345           E20. DRUGS-YR
    F2361           E24.R USE SERVICE
HRS 2000:
    G2610           E14. OUTPATIENT SURGERY-YR
    G2612           E17.DENTIST-YR
    G2622           E20. DRUGS-YR
    G2638           E24.R USE SERVICE
HRS 2002:
    HN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    HN164           SEEN DENTIST SINCE PREV IW/2YRS
    HN175           TAKE PRESCRIPTION DRUGS REGULARLY
    HN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
HRS 2004:
    JN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    JN164           SEEN DENTIST SINCE PREV IW/2YRS
    JN175           TAKE PRESCRIPTION DRUGS REGULARLY
    JN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
HRS 2006:
    KN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    KN164           SEEN DENTIST SINCE PREV IW/2YRS
    KN175           TAKE RX DRUGS REGULARLY
    KN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
HRS 2008:
    LN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    LN164           SEEN DENTIST SINCE PREV IW/2YRS
    LN175           TAKE RX DRUGS REGULARLY
    LN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
HRS 2010:
    MN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    MN164           SEEN DENTIST SINCE PREV IW/2YRS
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    MN175           TAKE RX DRUGS REGULARLY
    MN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
HRS 2012:
    NN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    NN164           SEEN DENTIST SINCE PREV IW/2YRS
    NN175           TAKE RX DRUGS REGULARLY
    NN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
HRS 2014:
    ON134           OUTPATIENT SURGERY- PREV IW/2 YRS
    ON164           SEEN DENTIST SINCE PREV IW/2YRS
    ON175           TAKE RX DRUGS REGULARLY
    ON202           USED OTHER HEALTH SVC- PREV IW/2 YRS
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Medical expenditures: Out of Pocket and Total

Wave	Variable	Label	Type
2	H2OOPMD	H2OOPMD:W2 HH OOP med exp, prv 12 mos	Cont
1	R1OOPMD	R1OOPMD:W1 Out of pkt med exp, prv 12 mos	Cont
2	R2OOPMD	R2OOPMD:W2 OOP med exp, prv 1-,2-yr(A,H)	Cont
3	R3OOPMD	R3OOPMD:W3 Out of pkt med exp, prv 2 yrs	Cont
4	R4OOPMD	R4OOPMD:W4 Out of pkt med exp, prv 2 yrs	Cont
5	R5OOPMD	R5OOPMD:W5 Out of pkt med exp, prv 2 yrs	Cont
6	R6OOPMD	R6OOPMD:W6 Out of pkt med exp, prv 2 yrs	Cont
7	R7OOPMD	R7OOPMD:W7 Out of pkt med exp, prv 2 yrs	Cont
8	R8OOPMD	R8OOPMD:W8 Out of pkt med exp, prv 2 yrs	Cont
9	R9OOPMD	R9OOPMD:W9 Out of pkt med exp, prv 2 yrs	Cont
10	R10OOPMD	R10OOPMD:W10 Out of pkt med exp, prv 2 yrs	Cont
11	R11OOPMD	R11OOPMD:W11 Out of pkt med exp, prv 2 yrs	Cont
12	R12OOPMD	R12OOPMD:W12 Out of pkt med exp, prv 2 yrs	Cont
1	S1OOPMD	S1OOPMD:W1 Out of pkt med exp, prv 12 mos	Cont
2	S2OOPMD	S2OOPMD:W2 OOP med exp, prv 1-,2-yr(A,H)	Cont
3	S3OOPMD	S3OOPMD:W3 Out of pkt med exp, prv 2 yrs	Cont
4	S4OOPMD	S4OOPMD:W4 Out of pkt med exp, prv 2 yrs	Cont
5	S5OOPMD	S5OOPMD:W5 Out of pkt med exp, prv 2 yrs	Cont
6	S6OOPMD	S6OOPMD:W6 Out of pkt med exp, prv 2 yrs	Cont
7	S7OOPMD	S7OOPMD:W7 Out of pkt med exp, prv 2 yrs	Cont
8	S8OOPMD	S8OOPMD:W8 Out of pkt med exp, prv 2 yrs	Cont
9	S9OOPMD	S9OOPMD:W9 Out of pkt med exp, prv 2 yrs	Cont
10	S10OOPMD	S10OOPMD:W10 Out of pkt med exp, prv 2 yrs	Cont
11	S11OOPMD	S11OOPMD:W11 Out of pkt med exp, prv 2 yrs	Cont
12	S12OOPMD	S12OOPMD:W12 Out of pkt med exp, prv 2 yrs	Cont
2	H2OOPMDF	H2OOPMDF:W2 HH Out of pkt imputed	Categ
1	R1OOPMDF	R1OOPMDF:W1 Out of pkt imputed	Categ
2	R2OOPMDF	R2OOPMDF:W2 Out of pkt imputed	Categ
3	R3OOPMDF	R3OOPMDF:W3 Out of pkt imputed	Categ
4	R4OOPMDF	R4OOPMDF:W4 Out of pkt imputed	Categ
5	R5OOPMDF	R5OOPMDF:W5 Out of pkt imputed	Categ
6	R6OOPMDF	R6OOPMDF:W6 Out of pkt imputed	Categ
7	R7OOPMDF	R7OOPMDF:W7 Out of pkt imputed	Categ
8	R8OOPMDF	R8OOPMDF:W8 Out of pkt imputed	Categ
9	R9OOPMDF	R9OOPMDF:W9 Out of pkt imputed	Categ
10	R10OOPMDF	R10OOPMDF:W10 Out of pkt imputed	Categ
11	R11OOPMDF	R11OOPMDF:W11 Out of pkt imputed	Categ
12	R12OOPMDF	R12OOPMDF:W12 Out of pkt imputed	Categ
1	S1OOPMDF	S1OOPMDF:W1 Out of pkt imputed	Categ
2	S2OOPMDF	S2OOPMDF:W2 Out of pkt imputed	Categ
3	S3OOPMDF	S3OOPMDF:W3 Out of pkt imputed	Categ
4	S4OOPMDF	S4OOPMDF:W4 Out of pkt imputed	Categ
5	S5OOPMDF	S5OOPMDF:W5 Out of pkt imputed	Categ
6	S6OOPMDF	S6OOPMDF:W6 Out of pkt imputed	Categ
7	S7OOPMDF	S7OOPMDF:W7 Out of pkt imputed	Categ
8	S8OOPMDF	S8OOPMDF:W8 Out of pkt imputed	Categ
9	S9OOPMDF	S9OOPMDF:W9 Out of pkt imputed	Categ
10	S10OOPMDF	S10OOPMDF:W10 Out of pkt imputed	Categ
11	S11OOPMDF	S11OOPMDF:W11 Out of pkt imputed	Categ
12	S12OOPMDF	S12OOPMDF:W12 Out of pkt imputed	Categ
2	H2OOPMA	H2OOPMA:W2 HH OOP MedExp for all,prv 12 mos	Cont
2	H2OOPMAF	H2OOPMAF:W2 HH OOP imputed for all	Categ
10	R10OOPMDO	R10OOPMDO:W10 Out of pkt med exp w oth, prv 2 yrs	Cont
11	R11OOPMDO	R11OOPMDO:W11 Out of pkt med exp w oth, prv 2 yrs	Cont
12	R12OOPMDO	R12OOPMDO:W12 Out of pkt med exp w oth, prv 2 yrs	Cont
10	S10OOPMDO	S10OOPMDO:W10 Out of pkt med exp w oth, prv 2 yrs	Cont
11	S11OOPMDO	S11OOPMDO:W11 Out of pkt med exp w oth, prv 2 yrs	Cont

12	S12OOPMDO	S12OOPMDO:W12 Out of pkt med exp w oth, prv 2 yrs	Cont
10	R10OOPMDOF	R10OOPMDOF:W10 Out of pkt w oth imputed	Categ
11	R11OOPMDOF	R11OOPMDOF:W11 Out of pkt w oth imputed	Categ
12	R12OOPMDOF	R12OOPMDOF:W12 Out of pkt w oth imputed	Categ
10	S10OOPMDOF	S10OOPMDOF:W10 Out of pkt w oth imputed	Categ
11	S11OOPMDOF	S11OOPMDOF:W11 Out of pkt w oth imputed	Categ
12	S12OOPMDOF	S12OOPMDOF:W12 Out of pkt w oth imputed	Categ
3	R3TOTMB	R3TOTMB:W3 Tot Med Exp Bkt, prv 2-yrs	Categ
4	R4TOTMB	R4TOTMB:W4 Tot Med Exp Bkt, prv 2-yrs	Categ
5	R5TOTMB	R5TOTMB:W5 Tot Med Exp Bkt, prv 2-yrs	Categ
6	R6TOTMB	R6TOTMB:W6 Tot Med Exp Bkt, prv 2-yrs	Categ
3	S3TOTMB	S3TOTMB:W3 Tot Med Exp Bkt, prv 2-yrs	Categ
4	S4TOTMB	S4TOTMB:W4 Tot Med Exp Bkt, prv 2-yrs	Categ
5	S5TOTMB	S5TOTMB:W5 Tot Med Exp Bkt, prv 2-yrs	Categ
6	S6TOTMB	S6TOTMB:W6 Tot Med Exp Bkt, prv 2-yrs	Categ
3	R3TOTMBI	R3TOTMBI:W3 Imputed Tot Med Exp Bkt	Categ
4	R4TOTMBI	R4TOTMBI:W4 Imputed Tot Med Exp Bkt	Categ
5	R5TOTMBI	R5TOTMBI:W5 Imputed Tot Med Exp Bkt	Categ
6	R6TOTMBI	R6TOTMBI:W6 Imputed Tot Med Exp Bkt	Categ
3	S3TOTMBI	S3TOTMBI:W3 Imputed Tot Med Exp Bkt	Categ
4	S4TOTMBI	S4TOTMBI:W4 Imputed Tot Med Exp Bkt	Categ
5	S5TOTMBI	S5TOTMBI:W5 Imputed Tot Med Exp Bkt	Categ
6	S6TOTMBI	S6TOTMBI:W6 Imputed Tot Med Exp Bkt	Categ
3	R3TOTMBF	R3TOTMBF:W3 Tot Med Exp Bkt, ImpFlag	Categ
4	R4TOTMBF	R4TOTMBF:W4 Tot Med Exp Bkt, ImpFlag	Categ
5	R5TOTMBF	R5TOTMBF:W5 Tot Med Exp Bkt, ImpFlag	Categ
6	R6TOTMBF	R6TOTMBF:W6 Tot Med Exp Bkt, ImpFlag	Categ
3	S3TOTMBF	S3TOTMBF:W3 Tot Med Exp Bkt, ImpFlag	Categ
4	S4TOTMBF	S4TOTMBF:W4 Tot Med Exp Bkt, ImpFlag	Categ
5	S5TOTMBF	S5TOTMBF:W5 Tot Med Exp Bkt, ImpFlag	Categ
6	S6TOTMBF	S6TOTMBF:W6 Tot Med Exp Bkt, ImpFlag	Categ
8	R8PARTD	R8PARTD:W8 Medicare Part D status	Categ
8	S8PARTD	S8PARTD:W8 Medicare Part D status	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2OOPMD	8222	966.81	2629.93	0.0	60400.0
R1OOPMD	12652	1317.25	3789.91	0.0	118802.7
R2OOPMD	19817	1162.05	3574.81	0.0	115479.1
R3OOPMD	17991	2293.46	7075.11	0.0	286516.1
R4OOPMD	21384	2239.05	6401.20	0.0	207742.4
R5OOPMD	19579	2492.13	6993.08	0.0	230800.0
R6OOPMD	18165	3838.38	14961.83	0.0	1206575.0
R7OOPMD	20129	4458.24	16754.47	0.0	840000.0
R8OOPMD	18469	3549.88	9391.28	0.0	289210.0
R9OOPMD	17217	3400.18	10135.18	0.0	471640.0
R10OOPMD	22034	3596.95	10273.56	0.0	604278.0
R11OOPMD	20554	3512.49	9276.13	0.0	364800.0
R12OOPMD	18748	3385.04	9955.92	0.0	263316.0
S1OOPMD	9900	1320.80	3762.74	0.0	118802.7

S2OOPMD	13288	1226.01	3811.04	0.0	115479.1
S3OOPMD	11915	2173.09	6099.58	0.0	255350.0
S4OOPMD	13978	2036.47	5168.28	0.0	132500.0
S5OOPMD	12730	2198.35	5419.33	0.0	230800.0
S6OOPMD	11639	3402.52	14284.42	0.0	1206575.0
S7OOPMD	12972	4046.80	14649.29	0.0	840000.0
S8OOPMD	11735	3222.59	7586.17	0.0	289210.0
S9OOPMD	10646	3055.17	7000.65	0.0	270050.0
S10OOPMD	13513	3397.81	8699.01	0.0	604278.0
S11OOPMD	12488	3225.57	7055.67	0.0	207300.0
S12OOPMD	11031	3010.58	7073.87	0.0	207050.0
H2OOPMDF	8222	0.20	0.40	0.0	1.0
R1OOPMDF	12652	1.00	0.00	1.0	1.0
R2OOPMDF	19817	0.93	0.57	0.0	2.0
R3OOPMDF	17991	0.23	0.42	0.0	1.0
R4OOPMDF	21384	0.18	0.38	0.0	1.0
R5OOPMDF	19579	0.16	0.36	0.0	1.0
R6OOPMDF	18165	0.23	0.42	0.0	1.0
R7OOPMDF	20129	0.20	0.40	0.0	1.0
R8OOPMDF	18469	0.21	0.41	0.0	1.0
R9OOPMDF	17217	0.19	0.39	0.0	1.0
R10OOPMDF	22034	0.16	0.37	0.0	1.0
R11OOPMDF	20554	0.16	0.36	0.0	1.0
R12OOPMDF	18748	0.16	0.37	0.0	1.0
S1OOPMDF	9900	1.00	0.00	1.0	1.0
S2OOPMDF	13288	1.12	0.51	0.0	2.0
S3OOPMDF	11915	0.22	0.42	0.0	1.0
S4OOPMDF	13978	0.17	0.38	0.0	1.0
S5OOPMDF	12730	0.16	0.36	0.0	1.0
S6OOPMDF	11639	0.23	0.42	0.0	1.0
S7OOPMDF	12972	0.20	0.40	0.0	1.0
S8OOPMDF	11735	0.21	0.41	0.0	1.0
S9OOPMDF	10646	0.18	0.39	0.0	1.0
S10OOPMDF	13513	0.15	0.36	0.0	1.0
S11OOPMDF	12488	0.15	0.36	0.0	1.0
S12OOPMDF	11031	0.15	0.35	0.0	1.0
H2OOPMA	8222	1031.26	2719.79	0.0	60400.0
H2OOPMAF	8222	0.23	0.42	0.0	1.0
R10OOPMDO	22034	3726.20	10481.80	0.0	610278.0
R11OOPMDO	20554	3648.09	9517.91	0.0	374800.0
R12OOPMDO	18748	3520.89	10195.96	0.0	303316.0
S10OOPMDO	13513	3516.91	8895.47	0.0	610278.0
S11OOPMDO	12488	3350.13	7293.78	0.0	207300.0
S12OOPMDO	11031	3126.99	7245.46	0.0	207650.0
R10OOPMDOF	22034	0.17	0.37	0.0	1.0
R11OOPMDOF	20554	0.16	0.37	0.0	1.0
R12OOPMDOF	18748	0.17	0.37	0.0	1.0
S10OOPMDOF	13513	0.16	0.36	0.0	1.0
S11OOPMDOF	12488	0.15	0.36	0.0	1.0
S12OOPMDOF	11031	0.15	0.36	0.0	1.0

R3TOTMB	17363	4.40	4.69	1.0	26.0
R4TOTMB	20777	6.02	7.11	1.0	26.0
R5TOTMB	19070	6.15	6.97	1.0	26.0
R6TOTMB	17747	8.58	8.72	1.0	26.0
S3TOTMB	11519	4.08	4.19	1.0	26.0
S4TOTMB	13610	5.59	6.70	1.0	26.0
S5TOTMB	12437	5.65	6.49	1.0	26.0
S6TOTMB	11387	8.38	8.70	1.0	26.0
R3TOTMBI	17363	3.45	2.01	1.0	11.0
R4TOTMBI	20777	3.56	2.01	1.0	11.0
R5TOTMBI	19070	3.78	2.06	1.0	11.0
R6TOTMBI	17747	4.27	2.21	1.0	11.0
S3TOTMBI	11519	3.36	1.95	1.0	11.0
S4TOTMBI	13610	3.48	1.97	1.0	11.0
S5TOTMBI	12437	3.67	2.00	1.0	11.0
S6TOTMBI	11387	4.15	2.15	1.0	11.0
R3TOTMBF	17363	0.05	0.21	0.0	1.0
R4TOTMBF	20777	0.11	0.32	0.0	1.0
R5TOTMBF	19070	0.11	0.32	0.0	1.0
R6TOTMBF	17747	0.21	0.41	0.0	1.0
S3TOTMBF	11519	0.03	0.18	0.0	1.0
S4TOTMBF	13610	0.10	0.30	0.0	1.0
S5TOTMBF	12437	0.09	0.29	0.0	1.0
S6TOTMBF	11387	0.20	0.40	0.0	1.0
R8PARTD	18469	0.41	0.73	0.0	2.0
S8PARTD	11735	0.34	0.69	0.0	2.0

Categorical Variable Codes

Value	H2OOPMDF
.Q=Not asked this wv	11420
0.Not imputed	6545
1.Imputed	1677

Value	R1OOPMDF	R2OOPMDF	R3OOPMDF	R4OOPMDF	R5OOPMDF	R6OOPMDF	R7OOPMDF
0.Not imputed		3945	13817	17601	16486	13964	16097
1.Imputed	12652	13266	4174	3783	3093	4201	4032
2.Couple allocation		2606					

Value	R8OOPMDF	R9OOPMDF	R10OOPMDF	R11OOPMDF	R12OOPMDF
0.Not imputed	14537	13891	18476	17323	15733
1.Imputed	3932	3326	3558	3231	3015

Value	S1OOPMDF	S2OOPMDF	S3OOPMDF	S4OOPMDF	S5OOPMDF	S6OOPMDF	S7OOPMDF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
0.Not imputed		1026	9242	11539	10736	9019	10421
1.Imputed	9900	9658	2673	2439	1994	2620	2551
2.Couple allocation		2604					

Value	S8OOPMDF	S9OOPMDF	S10OOPMDF	S11OOPMDF	S12OOPMDF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Not imputed	9277	8694	11471	10624	9405
1.Imputed	2458	1952	2042	1864	1626

Value	H2OOPMAF
.Q=Not asked this wv	11420
0.Not imputed	6300
1.Imputed	1922

Value	R10OOPMDOF	R11OOPMDOF	R12OOPMDOF
0.Not imputed	18356	17225	15631
1.Imputed	3678	3329	3117

Value	S10OOPMDOF	S11OOPMDOF	S12OOPMDOF
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
0.Not imputed	11414	10582	9366
1.Imputed	2099	1906	1665

Value	R3TOTMB	R4TOTMB	R5TOTMB	R6TOTMB
.N=No utilization	628	607	509	418
1.0 to 1000-	4121	4060	3177	2036
2.About 1000	339	1134	1022	725
3.1001 to 5000-	5734	5205	4654	3161
4.About 5000	234	1308	1332	1132
5.5001 to 25000-	4308	4124	3929	3688
6.About 25000	39	583	603	655
7.25001 to 100000-	1476	1531	1614	1787
8.About 100000	26	148	215	264
9.100001 to 500000-	276	259	287	462
10.About 500000		24	19	37
11.500000 above	25	19	34	84
12.0 - 5000-	96	90	73	82
13.0 - 25000-		66	91	67
14.0 - 100000-				113
19.1001 above		51	89	
22.5001 above	131	85	108	58
24.25001 above	41	54	70	360
25.100001 above	8	9	10	27
26.No bracket reported	509	2027	1743	3009

Value	S3TOTMB	S4TOTMB	S5TOTMB	S6TOTMB
.N=No utilization	396	368	293	252
.U=Unmarried	5658	6869	6538	6306
.V=Spouse NR	418	537	311	220
1.0 to 1000-	2849	2808	2207	1357
2.About 1000	270	757	667	488
3.1001 to 5000-	3962	3616	3276	2141
4.About 5000	175	848	864	759
5.5001 to 25000-	2791	2705	2631	2430
6.About 25000	31	346	354	392
7.25001 to 100000-	864	942	960	1041
8.About 100000	23	81	122	149
9.100001 to 500000-	163	163	163	261
10.About 500000		11	11	22
11.500000 above	10	10	13	51
12.0 - 5000-	45	46	37	47
13.0 - 25000-		37	41	31
14.0 - 100000-				55
19.1001 above		13	45	
22.5001 above	49	40	42	28
24.25001 above	24	27	27	170
25.100001 above	1	6	8	9
26.No bracket reported	262	1154	969	1956

Value	R3TOTMBI	R4TOTMBI	R5TOTMBI	R6TOTMBI
.N=No utilization	628	607	509	418
1.0 to 1000-	4424	4677	3621	2619
2.About 1000	686	1299	1177	931
3.1001 to 5000-	5544	5897	5261	4018
4.About 5000	638	1455	1480	1409
5.5001 to 25000-	4092	4586	4376	4528
6.About 25000	140	636	681	788
7.25001 to 100000-	1475	1708	1817	2357
8.About 100000	67	168	247	342
9.100001 to 500000-	267	303	341	585
10.About 500000		26	23	49
11.500000 above	30	22	46	121

Value	S3TOTMBI	S4TOTMBI	S5TOTMBI	S6TOTMBI
.N=No utilization	396	368	293	252
.U=Unmarried	5658	6869	6538	6306
.V=Spouse NR	418	537	311	220
1.0 to 1000-	2974	3183	2479	1746
2.About 1000	528	856	759	624
3.1001 to 5000-	3804	4024	3606	2699
4.About 5000	454	925	949	960
5.5001 to 25000-	2599	2944	2854	2956
6.About 25000	98	370	395	474
7.25001 to 100000-	854	1012	1035	1330
8.About 100000	52	91	139	183
9.100001 to 500000-	145	183	191	324
10.About 500000		11	12	28
11.500000 above	11	11	18	63

Value	R3TOTMBF	R4TOTMBF	R5TOTMBF	R6TOTMBF
.N=No utilization	628	607	509	418
0.Not imputed	16578	18395	16886	14031
1.Imputed	785	2382	2184	3716

Value	S3TOTMBF	S4TOTMBF	S5TOTMBF	S6TOTMBF
.N=No utilization	396	368	293	252
.U=Unmarried	5658	6869	6538	6306
.V=Spouse NR	418	537	311	220
0.Not imputed	11138	12287	11268	9091
1.Imputed	381	1323	1169	2296

Value	R8PARTD
0.No part D	13602
1.Part D but no change	2180
2.Part D and change in use	2687

Value	S8PARTD
.U=Unmarried	6417
.V=Spouse NR	317
0.No part D	9159
1.Part D but no change	1142
2.Part D and change in use	1434

How Constructed

RwOOPMD and RwOOPMDO are total out-of-pocket medical expenditures in the reference period. In Waves 1 and 2A the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. RwTOTMB provides the estimated bracket for total medical expenditure, including that paid by insurance. This information is obtained from unfolding bracket questions, except if a continuous estimate is given in Wave 3H. In that case, RwTOTMB and RwTOTMBI provide the same, but with incomplete brackets imputed. RwOOPMDF, RwOOPMDOF and RwTOTMBF indicate whether RwOOPMD, RwOOPMDO and RwTOTMBI are imputed. RwOOPMDO and RwOOPMDOF are available beginning in Wave 10. RwTOTMB, RwTOTMBI, and RwTOTMBF are available from Waves 3 to 6.

SwOOPMD, SwOOPMDF, SwOOPMDO, SwOOPMDOF, SwTOTMB, SwTOTMBI and SwTOTMBF are this information for the Respondent's spouse or partner.

H2OOPMD, H2OOPMDF, H2OOPMA, H2OOPMAF are the total out-of-pocket medical expenditures at the household level.

All amounts are reported in nominal dollars.

Out-of-pocket medical expenditures are imputed for all cases in Waves 1 and 2H. In Wave 2A, only the Financial Respondent is asked about out-of-pocket expenses in two categories: (1) nursing home costs and (2) all other costs. For nursing home expenditures, we allocate the expense to either the Respondent or partner and impute this at the individual level. For non-nursing home costs, we impute at the household level and then allocate to individuals. The household level imputed values are included (H2OOPMD), along with the individual level out-of-pocket expenses (R2OOPMD). Also, we include an additional variable for total household level out-of-pocket medical expenses (H2OOPMA) that includes all expenses, not just those for which utilization is explicitly asked, i.e., to impute using ownership=1 for all households, regardless of utilization and insurance coverage. H2OOPMD and H2OOPMA and their imputation flags are set to .Q for Wave 2H.

All components of RwOOPMD and RwOOPMDO are imputed separately and then are summed. Prescription drugs, which are reported as a monthly amount, are multiplied by 24 months. In Waves 3A, 4 and 5, the components of RwOOPMD are (1) hospital and nursing home costs; (2) doctor, dentist and outpatient surgery costs; (3) average monthly prescription drug costs; and (4) home health care and special facilities or services costs. Beginning in Wave 6, the components of RwOOPMD are (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs and (8) special facilities costs. Beginning in Wave 10, RwOOPMDO contains all of the components included in RwOOPMD, plus out-of-pocket

costs from a ninth, catch-all "other" category.

In Wave 8 only, Respondents are asked different questions about out-of-pocket prescription drug costs depending on whether or not they have enrolled in Medicare Part D. For those whose prescription drug use and cost are unaffected by Medicare Part D, the reported or imputed monthly average is multiplied by 24 months to estimate drug costs for the last two years. For those enrolled, two questions ask if their use or costs of prescription drugs changed. If the answer to either of these questions is "yes," then Respondents report two average monthly out-of-pocket amounts: one for the 12 months prior to coverage under Part D and another for the 12 months after. Total prescription drug costs for the last two years in Wave 8 is, then, calculated as:

(ptDmos*aimedB) + ((24 - ptDmos)*aimedA)

where

ptDmos = number of months post-Part D
aimedA = expenses pre-Part D
aimedB = expenses post-Part D

The variable RwPARTD contains the flag for Medicare Part D status, and has the following values: 0 = No Part D, 1 = Part D but no change, and 2 = Part D and change in use or cost.

A number of covariates are used in the imputations including health insurance as derived for this file (RwHIGOV, RwCOVR, RwCOVS, RwHIOTHP). Please see the section titled "Health Care Utilization and Medical Expenditures" earlier in this document for a description of the imputation method.

In Wave 2A, the S2OOPMD, S2OOPMDF are taken from spouses' or household level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3OOPMD is taken from the Wave 3 spouse's R3OOPMD.

Cross Wave Differences in Original HRS Data

In Wave 1, questions ask about medical utilization in the last 12 months, i.e., hospital and nursing home stays, doctor visits, and home health care, but there are no questions about medical expenditures.

In Wave 2A, all Respondents are asked about medical utilization in the last 12 months, and separate questions about out-of-pocket costs for nursing home and all other out-of-pocket medical costs are asked only of the Financial Respondent.

In Wave 2H, medical utilization questions cover the last 2 years or the period since last interview, and other questions ask about total costs, both those paid out-of-pocket and by insurance. The cost questions do not differentiate the type or location of services received, but rather ask about services received through hospitals, nursing homes and doctors all together.

In Waves 3 and forward, medical utilization questions cover the last 2 years or the period since last interview. In Waves 3, 4 and 5, questions ask separately about out-of-pocket costs for four categories of services: (1) hospital/nursing home, (2) doctors/dentists/outpatient surgery, (3) prescription drugs per month, and (4) in-home medical care/special facilities.

Beginning in Wave 6, questions on individual categories are asked separately. From Wave 6 to Wave 9, questions are asked about eight categories of out-of-pocket medical costs: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dental costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care and

(8) special facilities costs.

Beginning in Wave 10, a ninth category seeks to capture any additional out-of-pocket medical expenditures that cannot be assigned to any of the other categories. We include two estimates of out-of-pocket medical expenditures for these latest Waves: RwOOPMD, which allows for longitudinal analysis, contains the eight components present in Waves 6-9, and RwOOPMDO, which incorporates the "other" spending category into the estimate of the total out-of-pocket medical expenditures.

In Wave 8, prescription drug expenses are reported differently depending on Medicare Part D experience. For those who are enrolled in Medicare Part D and report a change in their use or costs of prescription drugs, two sets of questions are asked, one for the 12 months before Part D coverage, and the other for the time since being enrolled in Part D. Those not enrolled in Part D or who reported no change in their drug use or costs are asked the same questions as asked in prior waves.

Beginning with Tracker 2004 V1 (Wave 7), HRS has implemented a verified nursing home residence flag for each wave, xNURSHM, e.g., GNURSHM for Wave 5 (2000). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. In the questions about nursing home utilization, a cover-sheet reporting a nursing home resident is assigned as "Yes" for any nursing home stays by default. In some cases where Tracker indicates residence is NOT a nursing home, the interviewer overwrites this with a "No" for any nursing home stays, but in many cases this does not occur. We examine these cases for length of stay, residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home. Please see "Medical Care Utilization: Nursing Home" for more details on how these items are assessed.

HRS Variables Used

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HRS 1992:
    V10533          B45:PST YR:HOSP OVRN:IND
    V10536          B46:PST YR:EVR IF NR:IND
    V10539          B47:YR:TIMES W/ DOCT:IND
    V10541          B49:PST YR:PRO NURS :IND
    V533            B45:PST YR:HOSP OVRN:IMP
    V536            B46:PST YR:EVR IF NR:IMP
    V539            B47:YR:TIMES W/ DOCT:IMP
    V541            B49:PST YR:PRO NURS :IMP
AHEAD 1993:
    B605R           E1. R IN HOSPITAL LAST 12 MOS
    B610            E4. HOSPITAL $ NOT COVERED BY INS
    B622R           E5. R IN NURSING HOME LAST 12 MOS
    B627            E8. NURSING HOME $ NOT COVERED BY INS
    B629            E10. $ R/SP PAY NURSING HOME
    B629C           CATEG: E10. $ R/SP PAY NURSING HOME
    B640            E12. #TIMES R TALK TO DOCTOR LAST 12 MOS
    B642            E13. R/SP DOCTOR FEE NOT COVERED BY INS
    B654R           E14. R OUTPATIENT SURGERY LAST 12 MOS
    B657            E16. R/SP OUTPT SURG $ NOT COVER BY INS
    B669R           E17. R DENTIST LAST 12 MOS
    B672            E18. R/SP DENTIST $ NOT COVER BY INS
    B685R           E20. R TAKEN MEDS LAST 12 MOS
    B689            E21. R/SP MEDS NOT COVERED LAST 12 MOS
    B701            E22. R/SP IN-HOME MED SERV NOT COVERED
    B703            E23. R/SP IN-HOME NOT COVER LAST 12 MOS
    B715            E24. R/SP USE OTHER SERVICE LAST 12 MOS
    B740            E26. $ R/SP PAY ANY MED EXP LAST 12 MOS
    B740C           CATEG: E26. $ R/SP PAY ANY MED EXP
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HRS 1994:
    W415            B30.NURSING HOME OVERNIG
    W419            B30c.NURSING HOME COSTS
    W420            B31.NUMBER OF DOCTOR VIS
    W424            B33.PROFESSIONAL NURSING
AHEAD 1995:
    D1664           E1. HOSPITAL
    D1669           E4. HOSP $ NOT COV
    D1681           E5. NURSING HOME
    D1686           E8.NURHM NOT COV
    D1688           E10. NURHM OR HOSP R PAY $
    D1689B          E10. NURHM OR HOSP R PAY $/Bkt
    D1698           E11. DR TIMES
    D1701           E13.DR, NOT COV
    D1713           E14. OUTPATIENT SURGERY
    D1716           E16. OUTSURG, NOT COV
    D1728           E17. DENTIST
    D1731           E18. DENTIST, NOT COV
    D1732           E18A.DOCTOR/OUT/DENTAL R PAY $
    D1733B          E18A.DOCTOR/OUT/DENTAL R PAY $/Bkt
    D1744           E20. DRUGS
    D1748           E21. DRUGS, NOT COV
    D1749           E21A.PRESCR R PAY $
    D1750B          E21A.PRESCR R PAY $/Bkt
    D1760           E22.IN-HOME SERV
    D1762           E23. IN-HOME R PAY $
    D1774           E24.R USE SERVICE
    D1781           E24A.SPECIAL R PAY $
    D1782B          E24A.SPECIAL R PAY $/Bkt
HRS 1996:
    E1770           E1. HOSPITAL-YR
    E1775           E4. HOSP $ NOT COV
    E1776           E5. NURSING HOME-YR
    E1781           E8.NURHM NOT COV
    E1783           E10. NURHM OR HOSP R PAY $
    E1784           E10A. NURHM OR HOSP R PAY $ DK-1
    E1785           E10B. NURHM OR HOSP R PAY $ DK-2
    E1786           E10C. NURHM OR HOSP R PAY $ DK-3
    E1787           E10D. NURHM OR HOSP R PAY $ DK-4
    E1788           E10E. NURHM OR HOSP R PAY $ DK-5
    E1790           E11. DR TIMES
    E1793           E13.DR, NOT COV
    E1795           E14. OUTPATIENT SURGERY-YR
    E1798           E16. OUTSURG, NOT COV
    E1800           E17.DENTIST-YR
    E1803           E18. DENTIST, NOT COV
    E1804           E18A.DOCTOR/OUT/DENTAL R PAY $
    E1805           E18B.DR/OUT/DENTAL $ DK-1
    E1806           E18C.DR/OUT/DENTAL $ DK-2
    E1807           E18D.DR/OUT/DENTAL $ DK-3
    E1808           E18E.DR/OUT/DENTAL $ DK-4
    E1809           E18F.DR/OUT/DENTAL $ DK-5
    E1811           E20. DRUGS-YR
    E1815           E21. DRUGS, NOT COV
    E1816           E21A.PRESCR R PAY $
    E1817           E21B.PRESCR R PAY $ DK-1
    E1818           E21C.PRESCR R PAY $ DK-2
    E1819           E21D.PRESCR R PAY $ DK-3
    E1820           E21E.PRESCR R PAY $ DK-4
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    E1821           E21F.PRESCR R PAY $ DK-5
    E1827           E22.IN-HOME SERV
    E1829           E23. IN-HOME R PAY $
    E1831           E24.R USE SERVICE
    E1834           E24A.SPECIAL R PAY $
    E1835           E24B.SPECIAL R PAY $ DK-1
    E1836           E24C.SPECIAL R PAY $ DK-2
    E1837           E24D.SPECIAL R PAY $ DK-3
    E1838           E24E.SPECIAL R PAY $ DK-4
    E1841           E26.TOTAL COST MEDICAL
    E1842           E26A.TOTAL MEDICAL $ DK-5K
    E1843           E26B.TOTAL MEDICAL $ DK-1K
    E1844           E26C.TOTAL MEDICAL $ DK-25K
    E1845           E26D.TOTAL MEDICAL $ DK-100K
    E1846           E26E.TOTAL MEDICAL $ DK-500K
    E240            CS11.R-WHERE LIVE
HRS 1998:
    F2295           E1. HOSPITAL-YR
    F2298           E4. HOSP $ NOT COV
    F2299           E5. NURSING HOME-YR
    F2304           E8.NURHM NOT COV
    F2305           E10. NURHM OR HOSP R PAY $
    F2306           E10A. NURHM OR HOSP DK-1
    F2307           E10B. NURHM OR HOSP DK-2
    F2308           E10C. NURHM OR HOSP DK-3
    F2309           E10B1. NURHM OR HOSP DK-2
    F2310           E10B1. NURHM OR HOSP DK-2
    F2311           E10D. NURHM OR HOSP DK-4
    F2312           E10E. NURHM OR HOSP DK-5
    F2331           E11. DR TIMES
    F2332           E13.DR, NOT COV
    F2333           E14. OUTPATIENT SURGERY-YR
    F2334           E16. OUTSURG, NOT COV
    F2335           E17.DENTIST-YR
    F2336           E18. DENTIST, NOT COV
    F2337           E18A.DOCTOR/OUT/DENTAL R PAY $
    F2338           E18B.DR/OUT/DENTAL DK-1
    F2339           E18C.DR/OUT/DENTAL DK-2
    F2340           E18D.DR/OUT/DENTAL DK-3
    F2341           E18E.DR/OUT/DENTAL DK-4
    F2342           E18C1.DR/OUT/DENTAL DK-2
    F2343           E18F.DR/OUT/DENTAL DK-4
    F2344           E18G.DR/OUT/DENTAL DK-5
    F2345           E20. DRUGS-YR
    F2346           E21. DRUGS, NOT COV
    F2347           E21A.PRESCR R PAY $
    F2348           E21B.PRESCR DK-1
    F2349           E21C.PRESCR DK-2
    F2350           E21D.PRESCR DK-3
    F2351           E21E.PRESCR DK-4
    F2352           E21B1.PRESCR DK-2
    F2353           E21E.PRESCR DK-4
    F2354           E21F.PRESCR DK-5
    F2357           E22.IN-HOME SERV
    F2359           E23. IN-HOME R PAY $
    F2361           E24.R USE SERVICE
    F2364           E24A.SPECIAL R PAY $
    F2365           E24B.SPECIAL DK-1
    F2366           E24C.SPECIAL DK-2
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    F2367           E24D.SPECIAL DK-3
    F2368           E24E.SPECIAL DK-4
    F2369           E24F.SPECIAL DK-5
    F2383           E26.TOTAL COST MEDICAL-5K
    F2384           E26A.TOTAL MEDICAL COSTS-2ND
    F2385           E26B.TOTAL MEDICAL COSTS-3RD
    F2386           E26C.TOTAL MEDICAL COSTS-4TH
    F2387           E26D.TOTAL MEDICAL COSTS-5TH
    F517            CS11.R IN NURSING HOME
HRS 2000:
    G2567           E1. HOSPITAL-YR
    G2570           E4. HOSP $ NOT COV
    G2571           E5. NURSING HOME-YR
    G2576           E8.NURHM NOT COV
    G2577           E10. NURHM OR HOSP R PAY $
    G2578           E10A. NURHM OR HOSP DK-1
    G2579           E10B. NURHM OR HOSP DK-2
    G2580           E10C. NURHM OR HOSP DK-3
    G2581           E10B1. NURHM OR HOSP DK-2
    G2582           E10Y1B1. NURHM OR HOSP DK-2
    G2583           E10D. NURHM OR HOSP DK-4
    G2584           E10E. NURHM OR HOSP DK-5
    G2603           E11. DR TIMES
    G2609           E13.DR-NOT COVERED
    G2610           E14. OUTPATIENT SURGERY-YR
    G2611           E16. OUTSURG-NOT COVERED
    G2612           E17.DENTIST-YR
    G2613           E18. DENTIST-NOT COVERED
    G2614           E18A.DOCTOR/OUT/DENTAL R PAY $
    G2615           E18B.DR/OUT/DENTAL DK-1
    G2616           E18C.DR/OUT/DENTAL DK-2
    G2617           E18D.DR/OUT/DENTAL DK-3
    G2618           E18E.DR/OUT/DENTAL DK-4
    G2619           E18C1.DR/OUT/DENTAL DK-2
    G2620           E18F.DR/OUT/DENTAL DK-4
    G2621           E18G.DR/OUT/DENTAL DK-5
    G2622           E20. DRUGS-YR
    G2623           E21. DRUGS-NOT COVERED
    G2624           E21A.PRESCR R PAY $
    G2625           E21B.PRESCR DK-1
    G2626           E21C.PRESCR DK-2
    G2627           E21D.PRESCR DK-3
    G2628           E21E.PRESCR DK-4
    G2629           E21B1.PRESCR DK-2
    G2630           E21Y1E.PRESCR DK-4
    G2631           E21F.PRESCR DK-5
    G2634           E22.IN-HOME SERV
    G2636           E23. IN-HOME R PAY $
    G2638           E24.R USE SERVICE
    G2641           E24A.SPECIAL R PAY $
    G2642           E24B.SPECIAL DK-1
    G2643           E24C.SPECIAL DK-2
    G2644           E24D.SPECIAL DK-3
    G2645           E24E.SPECIAL DK-4
    G2646           E24F.SPECIAL DK-5
    G2660           E26.TOTAL COST MEDICAL-5K
    G2661           E26A.TOTAL MEDICAL COSTS-2ND
    G2683           E26B.TOTAL MEDICAL COSTS-3RD
    G2684           E26C.TOTAL MEDICAL COSTS-4TH
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    G2685           E26D.TOTAL MEDICAL COSTS-5TH
    G558            CS11.R IN NURSING HOME
HRS 2002:
    HA028           R IN NURSING HOME
    HN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    HN102           HOSPITAL STAYS COVERED BY INS
    HN106           AMT PAID O-O-P HOSPITAL COSTS
    HN107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    HN108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    HN109           AMT PAID O-O-P HOSPITAL COSTS - RESULT
    HN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    HN118           NH COSTS COVERED BY INSURANCE
    HN119           AMT PAID O-O-P NURSING HOME
    HN120           AMT PAID O-O-P NURSING HOME- MIN
    HN121           AMT PAID O-O-P NURSING HOME- MAX
    HN122           AMT PAID O-O-P NURSING HOME- RESULT
    HN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    HN135           OUTPATIENT SURG COSTS COVERED BY HI
    HN139           AMT PAID O-O-P OUTPAT SURGERY
    HN140           AMT PAID O-O-P OUTPAT SURGERY - MIN
    HN141           AMT PAID O-O-P OUTPAT SURGERY - MAX
    HN142           AMT PAID O-O-P OUTPAT SURGERY - RESULT
    HN147           # TIMES SEEN DR- PREV IW/2 YRS
    HN148           NUMBER TIMES SEEN DOCTOR 20X
    HN149           NUMBER TIMES SEEN DOCTOR 5X
    HN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    HN151           R SEEK DOC ADVICE 50X
    HN152           DOCTOR VISITS COVERED BY INSURANCE
    HN156           AMT PAY O-O-P FOR DOC VISITS
    HN157           AMT PAY O-O-P FOR DOC VISITS - MIN
    HN158           AMT PAY O-O-P FOR DOC VISITS - MAX
    HN159           AMT PAY O-O-P FOR DOC VISITS - RESULT
    HN164           SEEN DENTIST SINCE PREV IW/2YRS
    HN165           DENTAL COSTS COVERED BY INSURANCE
    HN168           AMT PAY O-O-P DENTAL
    HN169           AMT PAY O-O-P DENTAL - MIN
    HN170           AMT PAY O-O-P DENTAL - MAX
    HN171           AMT PAY O-O-P DENTAL - RESULT
    HN175           TAKE PRESCRIPTION DRUGS REGULARLY
    HN176           DRUG COSTS COVERED BY INSURANCE
    HN180           AMT PAY O-O-P RX DRUGS PER MONTH
    HN181           AMT PAY O-O-P RX DRUGS PER MONTH- MIN
    HN182           AMT PAY O-O-P RX DRUGS PER MONTH- MAX
    HN183           AMT PAY O-O-P RX DRUGS PER MONTH- RESULT
    HN189           USED HOME HEALTH SVC- PREV IW/2 YRS
    HN190           HOME HEALTH SERVICE COST COVERED BY INS
    HN194           AMT PAY O-O-P HOME HEALTH SVC
    HN195           AMT PAY O-O-P HOME HEALTH SVC - MIN
    HN196           AMT PAY O-O-P HOME HEALTH SVC - MAX
    HN197           AMT PAY O-O-P HOME HEALTH SVC - RESULT
    HN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
    HN203           OTHER HEALTH SVC PAID BY R/SP/P
    HN221           TOTAL MEDICAL COSTS
    HN222           TOTAL MEDICAL COSTS - MIN
    HN223           TOTAL MEDICAL COSTS - MAX
    HN224           TOTAL MEDICAL COSTS - RESULT
    HN239           AMT PAY O-O-P OTHER HEALTH SERVICE
    HN246           AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
    HN247           AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
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    HN248           AMT PAY O-O-P OTHER HEALTH SVC- RESULT
HRS 2004:
    JA028           R IN NURSING HOME
    JN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    JN102           HOSPITAL STAYS COVERED BY INS
    JN106           AMT PAID O-O-P HOSPITAL COSTS
    JN107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    JN108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    JN109           AMT PAID O-O-P HOSPITAL COSTS - RESULT
    JN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    JN118           NH COSTS COVERED BY INSURANCE
    JN119           AMT PAID O-O-P NURSING HOME
    JN120           AMT PAID O-O-P NURSING HOME- MIN
    JN121           AMT PAID O-O-P NURSING HOME- MAX
    JN122           AMT PAID O-O-P NURSING HOME- RESULT
    JN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    JN135           OUTPATIENT SURG COSTS COVERED BY HI
    JN139           AMT PAID O-O-P OUTPAT SURGERY
    JN140           AMT PAID O-O-P OUTPAT SURGERY - MIN
    JN141           AMT PAID O-O-P OUTPAT SURGERY - MAX
    JN142           AMT PAID O-O-P OUTPAT SURGERY - RESULT
    JN147           # TIMES SEEN DR- PREV IW/2 YRS
    JN148           NUMBER TIMES SEEN DOCTOR 20X
    JN149           NUMBER TIMES SEEN DOCTOR 5X
    JN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    JN151           R SEEK DOC ADVICE 50X
    JN152           DOCTOR VISITS COVERED BY INSURANCE
    JN156           AMT PAY O-O-P FOR DOC VISITS
    JN157           AMT PAY O-O-P FOR DOC VISITS - MIN
    JN158           AMT PAY O-O-P FOR DOC VISITS - MAX
    JN159           AMT PAY O-O-P FOR DOC VISITS - RESULT
    JN164           SEEN DENTIST SINCE PREV IW/2YRS
    JN165           DENTAL COSTS COVERED BY INSURANCE
    JN168           AMT PAY O-O-P DENTAL
    JN169           AMT PAY O-O-P DENTAL - MIN
    JN170           AMT PAY O-O-P DENTAL - MAX
    JN171           AMT PAY O-O-P DENTAL - RESULT
    JN175           TAKE PRESCRIPTION DRUGS REGULARLY
    JN176           DRUG COSTS COVERED BY INSURANCE
    JN180           AMT PAY O-O-P RX DRUGS PER MONTH
    JN181           AMT PAY O-O-P RX DRUGS PER MONTH- MIN
    JN182           AMT PAY O-O-P RX DRUGS PER MONTH- MAX
    JN183           AMT PAY O-O-P RX DRUGS PER MONTH- RESULT
    JN189           USED HOME HEALTH SVC- PREV IW/2 YRS
    JN190           HOME HEALTH SERVICE COST COVERED BY INS
    JN194           AMT PAY O-O-P HOME HEALTH SVC
    JN195           AMT PAY O-O-P HOME HEALTH SVC - MIN
    JN196           AMT PAY O-O-P HOME HEALTH SVC - MAX
    JN197           AMT PAY O-O-P HOME HEALTH SVC - RESULT
    JN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
    JN203           OTHER HEALTH SVC PAID BY R/SP/P
    JN239           AMT PAY O-O-P OTHER HEALTH SERVICE
    JN246           AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
    JN247           AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
    JN248           AMT PAY O-O-P OTHER HEALTH SVC- RESULT
HRS 2006:
    KA028           R IN NURSING HOME
    KN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    KN102           HOSPITAL STAYS COVERED BY INS
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    KN106           AMT PAID O-O-P HOSPITAL COSTS
    KN107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    KN108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    KN109           AMT PAID O-O-P HOSPITAL COSTS - RESULT
    KN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    KN118           NH COSTS COVERED BY INSURANCE
    KN119           AMT PAID O-O-P NURSING HOME
    KN120           AMT PAID O-O-P NURSING HOME- MIN
    KN121           AMT PAID O-O-P NURSING HOME- MAX
    KN122           AMT PAID O-O-P NURSING HOME- RESULT
    KN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    KN135           OUTPATIENT SURG COSTS COVERED BY HI
    KN139           AMT PAID O-O-P OUTPAT SURGERY
    KN140           AMT PAID O-O-P OUTPAT SURGERY - MIN
    KN141           AMT PAID O-O-P OUTPAT SURGERY - MAX
    KN142           AMT PAID O-O-P OUTPAT SURGERY - RESULT
    KN147           # TIMES SEEN DR- PREV IW/2 YRS
    KN148           NUMBER TIMES SEEN DOCTOR 20X
    KN149           NUMBER TIMES SEEN DOCTOR 5X
    KN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    KN151           R SEEK DOC ADVICE 50X
    KN152           DOCTOR VISITS COVERED BY INSURANCE
    KN156           AMT PAY O-O-P FOR DOC VISITS
    KN157           AMT PAY O-O-P FOR DOC VISITS - MIN
    KN158           AMT PAY O-O-P FOR DOC VISITS - MAX
    KN159           AMT PAY O-O-P FOR DOC VISITS - RESULT
    KN164           SEEN DENTIST SINCE PREV IW/2YRS
    KN165           DENTAL COSTS COVERED BY INSURANCE
    KN168           AMT PAY O-O-P DENTAL
    KN169           AMT PAY O-O-P DENTAL - MIN
    KN170           AMT PAY O-O-P DENTAL - MAX
    KN171           AMT PAY O-O-P DENTAL - RESULT
    KN175           TAKE RX DRUGS REGULARLY
    KN176           DRUG COSTS COVERED BY INSURANCE
    KN180           AMT PAY O-O-P RX DRUGS PER MONTH
    KN181           AMT PAY O-O-P RX DRUGS PER MONTH- MIN
    KN182           AMT PAY O-O-P RX DRUGS PER MONTH- MAX
    KN183           AMT PAY O-O-P RX DRUGS PER MONTH- RESULT
    KN189           USED HOME HEALTH SVC- PREV IW/2 YRS
    KN190           HOME HEALTH SERVICE COST COVERED BY INS
    KN194           AMT PAY O-O-P HOME HEALTH SVC
    KN195           AMT PAY O-O-P HOME HEALTH SVC - MIN
    KN196           AMT PAY O-O-P HOME HEALTH SVC - MAX
    KN197           AMT PAY O-O-P HOME HEALTH SVC - RESULT
    KN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
    KN203           OTHER HEALTH SVC PAID BY R/SP/P
    KN239           AMT PAY O-O-P OTHER HEALTH SERVICE
    KN246           AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
    KN247           AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
    KN248           AMT PAY O-O-P OTHER HEALTH SVC- RESULT
HRS 2008:
    LA028           R IN NURSING HOME
    LN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    LN102           HOSPITAL STAYS COVERED BY INS
    LN106           AMT PAID O-O-P HOSPITAL COSTS
    LN107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    LN108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    LN109           AMT PAID O-O-P HOSPITAL COSTS - RESULT
    LN114           EVER PATIENT OVERNIGHT IN NURSING HOME
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    LN118           NH COSTS COVERED BY INSURANCE
    LN119           AMT PAID O-O-P NURSING HOME
    LN120           AMT PAID O-O-P NURSING HOME- MIN
    LN121           AMT PAID O-O-P NURSING HOME- MAX
    LN122           AMT PAID O-O-P NURSING HOME- RESULT
    LN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    LN135           OUTPATIENT SURG COSTS COVERED BY HI
    LN139           AMT PAID O-O-P OUTPAT SURGERY
    LN140           AMT PAID O-O-P OUTPAT SURGERY - MIN
    LN141           AMT PAID O-O-P OUTPAT SURGERY - MAX
    LN142           AMT PAID O-O-P OUTPAT SURGERY - RESULT
    LN147           # TIMES SEEN DR- PREV IW/2 YRS
    LN148           NUMBER TIMES SEEN DOCTOR 20X
    LN149           NUMBER TIMES SEEN DOCTOR 5X
    LN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    LN151           R SEEK DOC ADVICE 50X
    LN152           DOCTOR VISITS COVERED BY INSURANCE
    LN156           AMT PAY O-O-P FOR DOC VISITS
    LN157           AMT PAY O-O-P FOR DOC VISITS - MIN
    LN158           AMT PAY O-O-P FOR DOC VISITS - MAX
    LN159           AMT PAY O-O-P FOR DOC VISITS - RESULT
    LN164           SEEN DENTIST SINCE PREV IW/2YRS
    LN165           DENTAL COSTS COVERED BY INSURANCE
    LN168           AMT PAY O-O-P DENTAL
    LN169           AMT PAY O-O-P DENTAL - MIN
    LN170           AMT PAY O-O-P DENTAL - MAX
    LN171           AMT PAY O-O-P DENTAL - RESULT
    LN175           TAKE RX DRUGS REGULARLY
    LN176           DRUG COSTS COVERED BY INSURANCE
    LN180           AMT PAY O-O-P RX DRUGS PER MONTH
    LN181           AMT PAY O-O-P RX DRUGS PER MONTH- MIN
    LN182           AMT PAY O-O-P RX DRUGS PER MONTH- MAX
    LN183           AMT PAY O-O-P RX DRUGS PER MONTH- RESULT
    LN189           USED HOME HEALTH SVC- PREV IW/2 YRS
    LN190           HOME HEALTH SERVICE COST COVERED BY INS
    LN194           AMT PAY O-O-P HOME HEALTH SVC
    LN195           AMT PAY O-O-P HOME HEALTH SVC - MIN
    LN196           AMT PAY O-O-P HOME HEALTH SVC - MAX
    LN197           AMT PAY O-O-P HOME HEALTH SVC - RESULT
    LN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
    LN203           OTHER HEALTH SVC PAID BY R/SP/P
    LN239           AMT PAY O-O-P OTHER HEALTH SERVICE
    LN246           AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
    LN247           AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
    LN248           AMT PAY O-O-P OTHER HEALTH SVC- RESULT
HRS 2010:
    MA028           R IN NURSING HOME
    MN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    MN102           HOSPITAL STAYS COVERED BY INS
    MN106           AMT PAID O-O-P HOSPITAL COSTS
    MN107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    MN108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    MN109           AMT PAID O-O-P HOSPITAL COSTS - RESULT
    MN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    MN118           NH COSTS COVERED BY INSURANCE
    MN119           AMT PAID O-O-P NURSING HOME
    MN120           AMT PAID O-O-P NURSING HOME- MIN
    MN121           AMT PAID O-O-P NURSING HOME- MAX
    MN122           AMT PAID O-O-P NURSING HOME- RESULT
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```
    MN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    MN135           OUTPATIENT SURG COSTS COVERED BY HI
    MN139           AMT PAID O-O-P OUTPAT SURGERY
    MN140           AMT PAID O-O-P OUTPAT SURGERY - MIN
    MN141           AMT PAID O-O-P OUTPAT SURGERY - MAX
    MN142           AMT PAID O-O-P OUTPAT SURGERY - RESULT
    MN147           # TIMES SEEN DR- PREV IW/2 YRS
    MN148           NUMBER TIMES SEEN DOCTOR 20X
    MN149           NUMBER TIMES SEEN DOCTOR 5X
    MN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    MN151           R SEEK DOC ADVICE 50X
    MN152           DOCTOR VISITS COVERED BY INSURANCE
    MN156           AMT PAY O-O-P FOR DOC VISITS
    MN157           AMT PAY O-O-P FOR DOC VISITS - MIN
    MN158           AMT PAY O-O-P FOR DOC VISITS - MAX
    MN159           AMT PAY O-O-P FOR DOC VISITS - RESULT
    MN164           SEEN DENTIST SINCE PREV IW/2YRS
    MN165           DENTAL COSTS COVERED BY INSURANCE
    MN168           AMT PAY O-O-P DENTAL
    MN169           AMT PAY O-O-P DENTAL - MIN
    MN170           AMT PAY O-O-P DENTAL - MAX
    MN171           AMT PAY O-O-P DENTAL - RESULT
    MN175           TAKE RX DRUGS REGULARLY
    MN176           DRUG COSTS COVERED BY INSURANCE
    MN180           AMT PAY O-O-P RX DRUGS PER MONTH
    MN181           AMT PAY O-O-P RX DRUGS PER MONTH- MIN
    MN182           AMT PAY O-O-P RX DRUGS PER MONTH- MAX
    MN183           AMT PAY O-O-P RX DRUGS PER MONTH- RESULT
    MN189           USED HOME HEALTH SVC- PREV IW/2 YRS
    MN190           HOME HEALTH SERVICE COST COVERED BY INS
    MN194           AMT PAY O-O-P HOME HEALTH SVC
    MN195           AMT PAY O-O-P HOME HEALTH SVC - MIN
    MN196           AMT PAY O-O-P HOME HEALTH SVC - MAX
    MN197           AMT PAY O-O-P HOME HEALTH SVC - RESULT
    MN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
    MN203           OTHER HEALTH SVC PAID BY R/SP/P
    MN239           AMT PAY O-O-P OTHER HEALTH SERVICE
    MN246           AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
    MN247           AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
    MN248           AMT PAY O-O-P OTHER HEALTH SVC- RESULT
    MN332           EX OTHER MEDICAL EXPENSES
    MN333           EX PAY O-O-P OTHER MEDICAL
    MN334           AMT PAY O-O-P OTHER MEDICAL - MIN
    MN335           AMT PAY O-O-P OTHER MEDICAL - MAX
    MN336           AMT PAY O-O-P OTHER MEDICAL - RESULT
HRS 2012:
    NA028           R IN NURSING HOME
    NN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    NN102           HOSPITAL STAYS COVERED BY INS
    NN106           AMT PAID O-O-P HOSPITAL COSTS
    NN107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    NN108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    NN109           AMT PAID O-O-P HOSPITAL COSTS - RESULT
    NN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    NN118           NH COSTS COVERED BY INSURANCE
    NN119           AMT PAID O-O-P NURSING HOME
    NN120           AMT PAID O-O-P NURSING HOME- MIN
    NN121           AMT PAID O-O-P NURSING HOME- MAX
    NN122           AMT PAID O-O-P NURSING HOME- RESULT
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```
    NN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    NN135           OUTPATIENT SURG COSTS COVERED BY HI
    NN139           AMT PAID O-O-P OUTPAT SURGERY
    NN140           AMT PAID O-O-P OUTPAT SURGERY - MIN
    NN141           AMT PAID O-O-P OUTPAT SURGERY - MAX
    NN142           AMT PAID O-O-P OUTPAT SURGERY - RESULT
    NN147           # TIMES SEEN DR- PREV IW/2 YRS
    NN148           NUMBER TIMES SEEN DOCTOR 20X
    NN149           NUMBER TIMES SEEN DOCTOR 5X
    NN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    NN151           R SEEK DOC ADVICE 50X
    NN152           DOCTOR VISITS COVERED BY INSURANCE
    NN156           AMT PAY O-O-P FOR DOC VISITS
    NN157           AMT PAY O-O-P FOR DOC VISITS - MIN
    NN158           AMT PAY O-O-P FOR DOC VISITS - MAX
    NN159           AMT PAY O-O-P FOR DOC VISITS - RESULT
    NN164           SEEN DENTIST SINCE PREV IW/2YRS
    NN165           DENTAL COSTS COVERED BY INSURANCE
    NN168           AMT PAY O-O-P DENTAL
    NN169           AMT PAY O-O-P DENTAL - MIN
    NN170           AMT PAY O-O-P DENTAL - MAX
    NN171           AMT PAY O-O-P DENTAL - RESULT
    NN175           TAKE RX DRUGS REGULARLY
    NN176           DRUG COSTS COVERED BY INSURANCE
    NN180           AMT PAY O-O-P RX DRUGS PER MONTH
    NN181           AMT PAY O-O-P RX DRUGS PER MONTH- MIN
    NN182           AMT PAY O-O-P RX DRUGS PER MONTH- MAX
    NN183           AMT PAY O-O-P RX DRUGS PER MONTH- RESULT
    NN189           USED HOME HEALTH SVC- PREV IW/2 YRS
    NN190           HOME HEALTH SERVICE COST COVERED BY INS
    NN194           AMT PAY O-O-P HOME HEALTH SVC
    NN195           AMT PAY O-O-P HOME HEALTH SVC - MIN
    NN196           AMT PAY O-O-P HOME HEALTH SVC - MAX
    NN197           AMT PAY O-O-P HOME HEALTH SVC - RESULT
    NN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
    NN203           OTHER HEALTH SVC PAID BY R/SP/P
    NN239           AMT PAY O-O-P OTHER HEALTH SERVICE
    NN246           AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
    NN247           AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
    NN248           AMT PAY O-O-P OTHER HEALTH SVC- RESULT
    NN332           EX OTHER MEDICAL EXPENSES
    NN333           EX PAY O-O-P OTHER MEDICAL
    NN334           AMT PAY O-O-P OTHER MEDICAL - MIN
    NN335           AMT PAY O-O-P OTHER MEDICAL - MAX
    NN336           AMT PAY O-O-P OTHER MEDICAL - RESULT
HRS 2014:
    OA028           R IN NURSING HOME
    ON099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    ON106           AMT PAID O-O-P HOSPITAL COSTS
    ON107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    ON108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    ON109           AMT PAID O-O-P HOSPITAL COSTS - RESULT
    ON114           EVER PATIENT OVERNIGHT IN NURSING HOME
    ON119           AMT PAID O-O-P NURSING HOME
    ON120           AMT PAID O-O-P NURSING HOME- MIN
    ON121           AMT PAID O-O-P NURSING HOME- MAX
    ON122           AMT PAID O-O-P NURSING HOME- RESULT
    ON134           OUTPATIENT SURGERY- PREV IW/2 YRS
    ON139           AMT PAID O-O-P OUTPAT SURGERY
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ON140	AMT PAID O-O-P OUTPAT SURGERY - MIN
ON141	AMT PAID O-O-P OUTPAT SURGERY - MAX
ON142	AMT PAID O-O-P OUTPAT SURGERY - RESULT
ON147	# TIMES SEEN DR- PREV IW/2 YRS
ON148	NUMBER TIMES SEEN DOCTOR 20X
ON149	NUMBER TIMES SEEN DOCTOR 5X
ON150	HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
ON151	R SEEK DOC ADVICE 50X
ON156	AMT PAY O-O-P FOR DOC VISITS
ON157	AMT PAY O-O-P FOR DOC VISITS - MIN
ON158	AMT PAY O-O-P FOR DOC VISITS - MAX
ON159	AMT PAY O-O-P FOR DOC VISITS - RESULT
ON164	SEEN DENTIST SINCE PREV IW/2YRS
ON168	AMT PAY O-O-P DENTAL
ON169	AMT PAY O-O-P DENTAL - MIN
ON170	AMT PAY O-O-P DENTAL - MAX
ON171	AMT PAY O-O-P DENTAL - RESULT
ON175	TAKE RX DRUGS REGULARLY
ON180	AMT PAY O-O-P RX DRUGS PER MONTH
ON181	AMT PAY O-O-P RX DRUGS PER MONTH- MIN
ON182	AMT PAY O-O-P RX DRUGS PER MONTH- MAX
ON183	AMT PAY O-O-P RX DRUGS PER MONTH- RESULT
ON189	USED HOME HEALTH SVC- PREV IW/2 YRS
ON194	AMT PAY O-O-P HOME HEALTH SVC
ON195	AMT PAY O-O-P HOME HEALTH SVC - MIN
ON196	AMT PAY O-O-P HOME HEALTH SVC - MAX
ON197	AMT PAY O-O-P HOME HEALTH SVC - RESULT
ON202	USED OTHER HEALTH SVC- PREV IW/2 YRS
ON203	OTHER HEALTH SVC PAID BY R/SP/P
ON239	AMT PAY O-O-P OTHER HEALTH SERVICE
ON246	AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
ON247	AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
ON248	AMT PAY O-O-P OTHER HEALTH SVC- RESULT
ON332	EX OTHER MEDICAL EXPENSES
ON333	EX PAY O-O-P OTHER MEDICAL
ON334	AMT PAY O-O-P OTHER MEDICAL - MIN
ON335	AMT PAY O-O-P OTHER MEDICAL - MAX
ON336	AMT PAY O-O-P OTHER MEDICAL - RESULT

Whether health limits work

Wave	Variable	Label	Type
1	R1HLTHLM	R1HLTHLM:W1 Hlth problems limit work	Categ
2	R2HLTHLM	R2HLTHLM:W2 Hlth problems limit work	Categ
3	R3HLTHLM	R3HLTHLM:W3 Hlth problems limit work	Categ
4	R4HLTHLM	R4HLTHLM:W4 Hlth problems limit work	Categ
5	R5HLTHLM	R5HLTHLM:W5 Hlth problems limit work	Categ
6	R6HLTHLM	R6HLTHLM:W6 Hlth problems limit work	Categ
7	R7HLTHLM	R7HLTHLM:W7 Hlth problems limit work	Categ
8	R8HLTHLM	R8HLTHLM:W8 Hlth problems limit work	Categ
9	R9HLTHLM	R9HLTHLM:W9 Hlth problems limit work	Categ
10	R10HLTHLM	R10HLTHLM:W10 Hlth problems limit work	Categ
11	R11HLTHLM	R11HLTHLM:W11 Hlth problems limit work	Categ
12	R12HLTHLM	R12HLTHLM:W12 Hlth problems limit work	Categ
1	S1HLTHLM	S1HLTHLM:W1 Hlth problems limit work	Categ
2	S2HLTHLM	S2HLTHLM:W2 Hlth problems limit work	Categ
3	S3HLTHLM	S3HLTHLM:W3 Hlth problems limit work	Categ
4	S4HLTHLM	S4HLTHLM:W4 Hlth problems limit work	Categ
5	S5HLTHLM	S5HLTHLM:W5 Hlth problems limit work	Categ
6	S6HLTHLM	S6HLTHLM:W6 Hlth problems limit work	Categ
7	S7HLTHLM	S7HLTHLM:W7 Hlth problems limit work	Categ
8	S8HLTHLM	S8HLTHLM:W8 Hlth problems limit work	Categ
9	S9HLTHLM	S9HLTHLM:W9 Hlth problems limit work	Categ
10	S10HLTHLM	S10HLTHLM:W10 Hlth problems limit work	Categ
11	S11HLTHLM	S11HLTHLM:W11 Hlth problems limit work	Categ
12	S12HLTHLM	S12HLTHLM:W12 Hlth problems limit work	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HLTHLM	12624	0.22	0.41	0.0	1.0
R2HLTHLM	11383	0.25	0.43	0.0	1.0
R3HLTHLM	10906	0.27	0.44	0.0	1.0
R4HLTHLM	21251	0.32	0.47	0.0	1.0
R5HLTHLM	19451	0.31	0.46	0.0	1.0
R6HLTHLM	18069	0.32	0.47	0.0	1.0
R7HLTHLM	13815	0.17	0.38	0.0	1.0
R8HLTHLM	16259	0.31	0.46	0.0	1.0
R9HLTHLM	15232	0.32	0.47	0.0	1.0
R10HLTHLM	20733	0.34	0.47	0.0	1.0
R11HLTHLM	19444	0.34	0.47	0.0	1.0
R12HLTHLM	17946	0.37	0.48	0.0	1.0
S1HLTHLM	9890	0.20	0.40	0.0	1.0
S2HLTHLM	8721	0.22	0.42	0.0	1.0
S3HLTHLM	8282	0.24	0.43	0.0	1.0
S4HLTHLM	13931	0.28	0.45	0.0	1.0
S5HLTHLM	12682	0.27	0.44	0.0	1.0
S6HLTHLM	11585	0.27	0.44	0.0	1.0
S7HLTHLM	9779	0.15	0.36	0.0	1.0
S8HLTHLM	10876	0.27	0.44	0.0	1.0
S9HLTHLM	9893	0.27	0.45	0.0	1.0
S10HLTHLM	12958	0.29	0.45	0.0	1.0
S11HLTHLM	12040	0.30	0.46	0.0	1.0
S12HLTHLM	10729	0.31	0.46	0.0	1.0

Categorical Variable Codes

Value	R1HLTHLM	R2HLTHLM	R3HLTHLM	R4HLTHLM	R5HLTHLM	R6HLTHLM	R7HLTHLM
.D=DK/NA	14	12	53	53	50	48
.M=Oth missing	14	38	53	40	25	12
.Q=Not asked this wv	8222	7027				
.R=RF	28	9	8	27	35	21	14
.W=Not working							1376
.Y=Assumed yes							4864
0.No	9907	8557	8014	14482	13335	12312	11438
1.Yes	2717	2826	2892	6769	6116	5757	2377

Value	R8HLTHLM	R9HLTHLM	R10HLTHLM	R11HLTHLM	R12HLTHLM
.D=DK/NA	43	49	112	95	131
.M=Oth missing	10	11	232	27	33
.R=RF	8	10	32	31	32
.W=Not working	2147	1910	916	939	594
.Y=Assumed yes	2	5	9	18	12
0.No	11145	10385	13693	12801	11310
1.Yes	5114	4847	7040	6643	6636

Value	S1HLTHLM	S2HLTHLM	S3HLTHLM	S4HLTHLM	S5HLTHLM	S6HLTHLM	S7HLTHLM
.D=DK/NA	9	9	18	28	29	29
.M=Oth missing	2	11	15	8	16	2
.Q=Not asked this wv	4549	3704				
.R=RF	10	7	4	14	12	9	9
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	323	537	311	220	380
.W=Not working							559
.Y=Assumed yes							2594
0.No	7924	6773	6276	10096	9273	8470	8287
1.Yes	1966	1948	2006	3835	3409	3115	1492

Value	S8HLTHLM	S9HLTHLM	S10HLTHLM	S11HLTHLM	S12HLTHLM
.D=DK/NA	25	22	56	53	67
.M=Oth missing	2	2	133	6	13
.R=RF	4	4	20	15	12
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Not working	828	723	342	369	209
.Y=Assumed yes	2	4	5	1
0.No	7918	7173	9214	8477	7359
1.Yes	2958	2720	3744	3563	3370

How Constructed

RwHLTHLM indicates whether an impairment or health problem limits the kind or amount of paid work for the Respondent. SwHLTHLM is the same information for the Respondent's spouse or partner.

RwHLTHLM simply recodes the original HRS variable as a yes/no indicator and sets missing values to missing codes.

In Waves 2A and 3A, this question was not asked. So for the AHEAD Respondents, R2HLTHLM and R3HLTHLM are set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S1HLTHLM is taken from the Wave 1 spouse's R1HLTHLM.

Cross Wave Differences in Original HRS Data

In Waves 2A and 3A, the question about health affecting or limiting any work is not asked.

The question wording is the same in all other waves:

"Now I want to ask how your health affects paid work activities. Do you have any impairment or health problem that limits the kind or amount of paid work you can do?"

Beginning in Wave 4, the same question is asked in two sections. One is the disability section for re-interviewees, and one is the disability section for new interviewees.

In Wave 7, if re-interviewees have previously reported a health limitation, these questions are skipped and assigned ".Y=Assumed Yes." This skip pattern bypasses the Respondents that have previously reported a health limitation, but may no longer have a limitation. Beginning in Wave 7, "not working," recoded .W, is added as a possible answer.

HRS Variables Used

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HRS 1992:
    V4001           J1:HAVE DISABILITY
HRS 1994:
    W5200           J1.HEALTH PROBLEM THAT L
HRS 1996:
    E3507           GD1. HEALTH PROB
HRS 1998:
    F4017           GD1. HEALTH PROB
    F4201           GJ1.HEALTH PROB
HRS 2000:
    G4307           GD1. HEALTH PROB
    G4553           GJ1.HEALTH PROB
HRS 2002:
    HM002           HM002 HEALTH PROB
    HM502           HEALTH PROB
HRS 2004:
    JM002           HM002 HEALTH PROB
    JM502           HM502 HEALTH PROB
HRS 2006:
    KM002           HM002 HEALTH PROB
    KM502           HM502 HEALTH PROB
HRS 2008:
    LM002           HM002 HEALTH PROB
    LM502           HM502 HEALTH PROB
HRS 2010:
    MM002           HM002 HEALTH PROB
    MM502           HM502 HEALTH PROB
HRS 2012:
    NM002           HM002 HEALTH PROB
    NM502           HM502 HEALTH PROB
HRS 2014:
    OM002           HM002 HEALTH PROB
    OM502           HM502 HEALTH PROB
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Activities of daily living (ADLs): Raw recodes

Wave	Variable	Label	Type
1	R1WALKR	R1WALKR:W1 R Diff-Walk across room	Categ
2	R2WALKR	R2WALKR:W2 R Diff-Walk across room	Categ
3	R3WALKR	R3WALKR:W3 R Diff-Walk across room	Categ
4	R4WALKR	R4WALKR:W4 R Diff-Walk across room	Categ
5	R5WALKR	R5WALKR:W5 R Diff-Walk across room	Categ
6	R6WALKR	R6WALKR:W6 R Diff-Walk across room	Categ
7	R7WALKR	R7WALKR:W7 R Diff-Walk across room	Categ
8	R8WALKR	R8WALKR:W8 R Diff-Walk across room	Categ
9	R9WALKR	R9WALKR:W9 R Diff-Walk across room	Categ
10	R10WALKR	R10WALKR:W10 R Diff-Walk across room	Categ
11	R11WALKR	R11WALKR:W11 R Diff-Walk across room	Categ
12	R12WALKR	R12WALKR:W12 R Diff-Walk across room	Categ
1	S1WALKR	S1WALKR:W1 S Diff-Walk across room	Categ
2	S2WALKR	S2WALKR:W2 S Diff-Walk across room	Categ
3	S3WALKR	S3WALKR:W3 S Diff-Walk across room	Categ
4	S4WALKR	S4WALKR:W4 S Diff-Walk across room	Categ
5	S5WALKR	S5WALKR:W5 S Diff-Walk across room	Categ
6	S6WALKR	S6WALKR:W6 S Diff-Walk across room	Categ
7	S7WALKR	S7WALKR:W7 S Diff-Walk across room	Categ
8	S8WALKR	S8WALKR:W8 S Diff-Walk across room	Categ
9	S9WALKR	S9WALKR:W9 S Diff-Walk across room	Categ
10	S10WALKR	S10WALKR:W10 S Diff-Walk across room	Categ
11	S11WALKR	S11WALKR:W11 S Diff-Walk across room	Categ
12	S12WALKR	S12WALKR:W12 S Diff-Walk across room	Categ
2	R2WALKRH	R2WALKRH:W2 R Gets Help-Walk across room	Categ
3	R3WALKRH	R3WALKRH:W3 R Gets Help-Walk across room	Categ
4	R4WALKRH	R4WALKRH:W4 R Gets Help-Walk across room	Categ
5	R5WALKRH	R5WALKRH:W5 R Gets Help-Walk across room	Categ
6	R6WALKRH	R6WALKRH:W6 R Gets Help-Walk across room	Categ
7	R7WALKRH	R7WALKRH:W7 R Gets Help-Walk across room	Categ
8	R8WALKRH	R8WALKRH:W8 R Gets Help-Walk across room	Categ
9	R9WALKRH	R9WALKRH:W9 R Gets Help-Walk across room	Categ
10	R10WALKRH	R10WALKRH:W10 R Gets Help-Walk across room	Categ
11	R11WALKRH	R11WALKRH:W11 R Gets Help-Walk across room	Categ
12	R12WALKRH	R12WALKRH:W12 R Gets Help-Walk across room	Categ
2	S2WALKRH	S2WALKRH:W2 S Gets Help-Walk across room	Categ
3	S3WALKRH	S3WALKRH:W3 S Gets Help-Walk across room	Categ
4	S4WALKRH	S4WALKRH:W4 S Gets Help-Walk across room	Categ
5	S5WALKRH	S5WALKRH:W5 S Gets Help-Walk across room	Categ
6	S6WALKRH	S6WALKRH:W6 S Gets Help-Walk across room	Categ
7	S7WALKRH	S7WALKRH:W7 S Gets Help-Walk across room	Categ
8	S8WALKRH	S8WALKRH:W8 S Gets Help-Walk across room	Categ
9	S9WALKRH	S9WALKRH:W9 S Gets Help-Walk across room	Categ
10	S10WALKRH	S10WALKRH:W10 S Gets Help-Walk across room	Categ
11	S11WALKRH	S11WALKRH:W11 S Gets Help-Walk across room	Categ
12	S12WALKRH	S12WALKRH:W12 S Gets Help-Walk across room	Categ
2	R2WALKRE	R2WALKRE:W2 R Eqp-Walk across room	Categ
3	R3WALKRE	R3WALKRE:W3 R Eqp-Walk across room	Categ
4	R4WALKRE	R4WALKRE:W4 R Eqp-Walk across room	Categ
5	R5WALKRE	R5WALKRE:W5 R Eqp-Walk across room	Categ
6	R6WALKRE	R6WALKRE:W6 R Eqp-Walk across room	Categ
7	R7WALKRE	R7WALKRE:W7 R Eqp-Walk across room	Categ
8	R8WALKRE	R8WALKRE:W8 R Eqp-Walk across room	Categ
9	R9WALKRE	R9WALKRE:W9 R Eqp-Walk across room	Categ
10	R10WALKRE	R10WALKRE:W10 R Eqp-Walk across room	Categ
11	R11WALKRE	R11WALKRE:W11 R Eqp-Walk across room	Categ
12	R12WALKRE	R12WALKRE:W12 R Eqp-Walk across room	Categ
2	S2WALKRE	S2WALKRE:W2 S Eqp-Walk across room	Categ
3	S3WALKRE	S3WALKRE:W3 S Eqp-Walk across room	Categ
4	S4WALKRE	S4WALKRE:W4 S Eqp-Walk across room	Categ
5	S5WALKRE	S5WALKRE:W5 S Eqp-Walk across room	Categ

6	S6WALKRE	S6WALKRE:W6 S Eqp-Walk across room	Categ
7	S7WALKRE	S7WALKRE:W7 S Eqp-Walk across room	Categ
8	S8WALKRE	S8WALKRE:W8 S Eqp-Walk across room	Categ
9	S9WALKRE	S9WALKRE:W9 S Eqp-Walk across room	Categ
10	S10WALKRE	S10WALKRE:W10 S Eqp-Walk across room	Categ
11	S11WALKRE	S11WALKRE:W11 S Eqp-Walk across room	Categ
12	S12WALKRE	S12WALKRE:W12 S Eqp-Walk across room	Categ
1	R1DRESS	R1DRESS:W1 R Diff-Dressing	Categ
2	R2DRESS	R2DRESS:W2 R Diff-Dressing	Categ
3	R3DRESS	R3DRESS:W3 R Diff-Dressing	Categ
4	R4DRESS	R4DRESS:W4 R Diff-Dressing	Categ
5	R5DRESS	R5DRESS:W5 R Diff-Dressing	Categ
6	R6DRESS	R6DRESS:W6 R Diff-Dressing	Categ
7	R7DRESS	R7DRESS:W7 R Diff-Dressing	Categ
8	R8DRESS	R8DRESS:W8 R Diff-Dressing	Categ
9	R9DRESS	R9DRESS:W9 R Diff-Dressing	Categ
10	R10DRESS	R10DRESS:W10 R Diff-Dressing	Categ
11	R11DRESS	R11DRESS:W11 R Diff-Dressing	Categ
12	R12DRESS	R12DRESS:W12 R Diff-Dressing	Categ
1	S1DRESS	S1DRESS:W1 S Diff-Dressing	Categ
2	S2DRESS	S2DRESS:W2 S Diff-Dressing	Categ
3	S3DRESS	S3DRESS:W3 S Diff-Dressing	Categ
4	S4DRESS	S4DRESS:W4 S Diff-Dressing	Categ
5	S5DRESS	S5DRESS:W5 S Diff-Dressing	Categ
6	S6DRESS	S6DRESS:W6 S Diff-Dressing	Categ
7	S7DRESS	S7DRESS:W7 S Diff-Dressing	Categ
8	S8DRESS	S8DRESS:W8 S Diff-Dressing	Categ
9	S9DRESS	S9DRESS:W9 S Diff-Dressing	Categ
10	S10DRESS	S10DRESS:W10 S Diff-Dressing	Categ
11	S11DRESS	S11DRESS:W11 S Diff-Dressing	Categ
12	S12DRESS	S12DRESS:W12 S Diff-Dressing	Categ
2	R2DRESSH	R2DRESSH:W2 R Gets Help-Dressing	Categ
3	R3DRESSH	R3DRESSH:W3 R Gets Help-Dressing	Categ
4	R4DRESSH	R4DRESSH:W4 R Gets Help-Dressing	Categ
5	R5DRESSH	R5DRESSH:W5 R Gets Help-Dressing	Categ
6	R6DRESSH	R6DRESSH:W6 R Gets Help-Dressing	Categ
7	R7DRESSH	R7DRESSH:W7 R Gets Help-Dressing	Categ
8	R8DRESSH	R8DRESSH:W8 R Gets Help-Dressing	Categ
9	R9DRESSH	R9DRESSH:W9 R Gets Help-Dressing	Categ
10	R10DRESSH	R10DRESSH:W10 R Gets Help-Dressing	Categ
11	R11DRESSH	R11DRESSH:W11 R Gets Help-Dressing	Categ
12	R12DRESSH	R12DRESSH:W12 R Gets Help-Dressing	Categ
2	S2DRESSH	S2DRESSH:W2 S Gets Help-Dressing	Categ
3	S3DRESSH	S3DRESSH:W3 S Gets Help-Dressing	Categ
4	S4DRESSH	S4DRESSH:W4 S Gets Help-Dressing	Categ
5	S5DRESSH	S5DRESSH:W5 S Gets Help-Dressing	Categ
6	S6DRESSH	S6DRESSH:W6 S Gets Help-Dressing	Categ
7	S7DRESSH	S7DRESSH:W7 S Gets Help-Dressing	Categ
8	S8DRESSH	S8DRESSH:W8 S Gets Help-Dressing	Categ
9	S9DRESSH	S9DRESSH:W9 S Gets Help-Dressing	Categ
10	S10DRESSH	S10DRESSH:W10 S Gets Help-Dressing	Categ
11	S11DRESSH	S11DRESSH:W11 S Gets Help-Dressing	Categ
12	S12DRESSH	S12DRESSH:W12 S Gets Help-Dressing	Categ
1	R1BATH	R1BATH:W1 R Diff-Bathing or showerng	Categ
2	R2BATH	R2BATH:W2 R Diff-Bathing or showerng	Categ
3	R3BATH	R3BATH:W3 R Diff-Bathing or showerng	Categ
4	R4BATH	R4BATH:W4 R Diff-Bathing or showerng	Categ
5	R5BATH	R5BATH:W5 R Diff-Bathing or showerng	Categ
6	R6BATH	R6BATH:W6 R Diff-Bathing or showerng	Categ
7	R7BATH	R7BATH:W7 R Diff-Bathing or showerng	Categ
8	R8BATH	R8BATH:W8 R Diff-Bathing or showerng	Categ
9	R9BATH	R9BATH:W9 R Diff-Bathing or showerng	Categ
10	R10BATH	R10BATH:W10 R Diff-Bathing or showerng	Categ
11	R11BATH	R11BATH:W11 R Diff-Bathing or showerng	Categ
12	R12BATH	R12BATH:W12 R Diff-Bathing or showerng	Categ
1	S1BATH	S1BATH:W1 S Diff-Bathing or showerng	Categ

2	S2BATH	S2BATH:W2 S Diff-Bathing or showerng	Categ
3	S3BATH	S3BATH:W3 S Diff-Bathing or showerng	Categ
4	S4BATH	S4BATH:W4 S Diff-Bathing or showerng	Categ
5	S5BATH	S5BATH:W5 S Diff-Bathing or showerng	Categ
6	S6BATH	S6BATH:W6 S Diff-Bathing or showerng	Categ
7	S7BATH	S7BATH:W7 S Diff-Bathing or showerng	Categ
8	S8BATH	S8BATH:W8 S Diff-Bathing or showerng	Categ
9	S9BATH	S9BATH:W9 S Diff-Bathing or showerng	Categ
10	S10BATH	S10BATH:W10 S Diff-Bathing or showerng	Categ
11	S11BATH	S11BATH:W11 S Diff-Bathing or showerng	Categ
12	S12BATH	S12BATH:W12 S Diff-Bathing or showerng	Categ
2	R2BATHH	R2BATHH:W2 R Gets Help-Bathing, showerng	Categ
3	R3BATHH	R3BATHH:W3 R Gets Help-Bathing, showerng	Categ
4	R4BATHH	R4BATHH:W4 R Gets Help-Bathing, showerng	Categ
5	R5BATHH	R5BATHH:W5 R Gets Help-Bathing, showerng	Categ
6	R6BATHH	R6BATHH:W6 R Gets Help-Bathing, showerng	Categ
7	R7BATHH	R7BATHH:W7 R Gets Help-Bathing, showerng	Categ
8	R8BATHH	R8BATHH:W8 R Gets Help-Bathing, showerng	Categ
9	R9BATHH	R9BATHH:W9 R Gets Help-Bathing, showerng	Categ
10	R10BATHH	R10BATHH:W10 R Gets Help-Bathing, showerng	Categ
11	R11BATHH	R11BATHH:W11 R Gets Help-Bathing, showerng	Categ
12	R12BATHH	R12BATHH:W12 R Gets Help-Bathing, showerng	Categ
2	S2BATHH	S2BATHH:W2 S Gets Help-Bathing, showerng	Categ
3	S3BATHH	S3BATHH:W3 S Gets Help-Bathing, showerng	Categ
4	S4BATHH	S4BATHH:W4 S Gets Help-Bathing, showerng	Categ
5	S5BATHH	S5BATHH:W5 S Gets Help-Bathing, showerng	Categ
6	S6BATHH	S6BATHH:W6 S Gets Help-Bathing, showerng	Categ
7	S7BATHH	S7BATHH:W7 S Gets Help-Bathing, showerng	Categ
8	S8BATHH	S8BATHH:W8 S Gets Help-Bathing, showerng	Categ
9	S9BATHH	S9BATHH:W9 S Gets Help-Bathing, showerng	Categ
10	S10BATHH	S10BATHH:W10 S Gets Help-Bathing, showerng	Categ
11	S11BATHH	S11BATHH:W11 S Gets Help-Bathing, showerng	Categ
12	S12BATHH	S12BATHH:W12 S Gets Help-Bathing, showerng	Categ
1	R1EAT	R1EAT:W1 R Diff-Eating	Categ
2	R2EAT	R2EAT:W2 R Diff-Eating	Categ
3	R3EAT	R3EAT:W3 R Diff-Eating	Categ
4	R4EAT	R4EAT:W4 R Diff-Eating	Categ
5	R5EAT	R5EAT:W5 R Diff-Eating	Categ
6	R6EAT	R6EAT:W6 R Diff-Eating	Categ
7	R7EAT	R7EAT:W7 R Diff-Eating	Categ
8	R8EAT	R8EAT:W8 R Diff-Eating	Categ
9	R9EAT	R9EAT:W9 R Diff-Eating	Categ
10	R10EAT	R10EAT:W10 R Diff-Eating	Categ
11	R11EAT	R11EAT:W11 R Diff-Eating	Categ
12	R12EAT	R12EAT:W12 R Diff-Eating	Categ
1	S1EAT	S1EAT:W1 S Diff-Eating	Categ
2	S2EAT	S2EAT:W2 S Diff-Eating	Categ
3	S3EAT	S3EAT:W3 S Diff-Eating	Categ
4	S4EAT	S4EAT:W4 S Diff-Eating	Categ
5	S5EAT	S5EAT:W5 S Diff-Eating	Categ
6	S6EAT	S6EAT:W6 S Diff-Eating	Categ
7	S7EAT	S7EAT:W7 S Diff-Eating	Categ
8	S8EAT	S8EAT:W8 S Diff-Eating	Categ
9	S9EAT	S9EAT:W9 S Diff-Eating	Categ
10	S10EAT	S10EAT:W10 S Diff-Eating	Categ
11	S11EAT	S11EAT:W11 S Diff-Eating	Categ
12	S12EAT	S12EAT:W12 S Diff-Eating	Categ
2	R2EATH	R2EATH:W2 R Gets Help-Eating	Categ
3	R3EATH	R3EATH:W3 R Gets Help-Eating	Categ
4	R4EATH	R4EATH:W4 R Gets Help-Eating	Categ
5	R5EATH	R5EATH:W5 R Gets Help-Eating	Categ
6	R6EATH	R6EATH:W6 R Gets Help-Eating	Categ
7	R7EATH	R7EATH:W7 R Gets Help-Eating	Categ
8	R8EATH	R8EATH:W8 R Gets Help-Eating	Categ
9	R9EATH	R9EATH:W9 R Gets Help-Eating	Categ
10	R10EATH	R10EATH:W10 R Gets Help-Eating	Categ
11	R11EATH	R11EATH:W11 R Gets Help-Eating	Categ

12	R12EATH	R12EATH:W12 R Gets Help-Eating	Categ
2	S2EATH	S2EATH:W2 S Gets Help-Eating	Categ
3	S3EATH	S3EATH:W3 S Gets Help-Eating	Categ
4	S4EATH	S4EATH:W4 S Gets Help-Eating	Categ
5	S5EATH	S5EATH:W5 S Gets Help-Eating	Categ
6	S6EATH	S6EATH:W6 S Gets Help-Eating	Categ
7	S7EATH	S7EATH:W7 S Gets Help-Eating	Categ
8	S8EATH	S8EATH:W8 S Gets Help-Eating	Categ
9	S9EATH	S9EATH:W9 S Gets Help-Eating	Categ
10	S10EATH	S10EATH:W10 S Gets Help-Eating	Categ
11	S11EATH	S11EATH:W11 S Gets Help-Eating	Categ
12	S12EATH	S12EATH:W12 S Gets Help-Eating	Categ
1	R1BED	R1BED:W1 R Diff-Get in/out of bed	Categ
2	R2BED	R2BED:W2 R Diff-Get in/out of bed	Categ
3	R3BED	R3BED:W3 R Diff-Get in/out of bed	Categ
4	R4BED	R4BED:W4 R Diff-Get in/out of bed	Categ
5	R5BED	R5BED:W5 R Diff-Get in/out of bed	Categ
6	R6BED	R6BED:W6 R Diff-Get in/out of bed	Categ
7	R7BED	R7BED:W7 R Diff-Get in/out of bed	Categ
8	R8BED	R8BED:W8 R Diff-Get in/out of bed	Categ
9	R9BED	R9BED:W9 R Diff-Get in/out of bed	Categ
10	R10BED	R10BED:W10 R Diff-Get in/out of bed	Categ
11	R11BED	R11BED:W11 R Diff-Get in/out of bed	Categ
12	R12BED	R12BED:W12 R Diff-Get in/out of bed	Categ
1	S1BED	S1BED:W1 S Diff-Get in/out of bed	Categ
2	S2BED	S2BED:W2 S Diff-Get in/out of bed	Categ
3	S3BED	S3BED:W3 S Diff-Get in/out of bed	Categ
4	S4BED	S4BED:W4 S Diff-Get in/out of bed	Categ
5	S5BED	S5BED:W5 S Diff-Get in/out of bed	Categ
6	S6BED	S6BED:W6 S Diff-Get in/out of bed	Categ
7	S7BED	S7BED:W7 S Diff-Get in/out of bed	Categ
8	S8BED	S8BED:W8 S Diff-Get in/out of bed	Categ
9	S9BED	S9BED:W9 S Diff-Get in/out of bed	Categ
10	S10BED	S10BED:W10 S Diff-Get in/out of bed	Categ
11	S11BED	S11BED:W11 S Diff-Get in/out of bed	Categ
12	S12BED	S12BED:W12 S Diff-Get in/out of bed	Categ
2	R2BEDH	R2BEDH:W2 R Gets Help-Get in/out of bed	Categ
3	R3BEDH	R3BEDH:W3 R Gets Help-Get in/out of bed	Categ
4	R4BEDH	R4BEDH:W4 R Gets Help-Get in/out of bed	Categ
5	R5BEDH	R5BEDH:W5 R Gets Help-Get in/out of bed	Categ
6	R6BEDH	R6BEDH:W6 R Gets Help-Get in/out of bed	Categ
7	R7BEDH	R7BEDH:W7 R Gets Help-Get in/out of bed	Categ
8	R8BEDH	R8BEDH:W8 R Gets Help-Get in/out of bed	Categ
9	R9BEDH	R9BEDH:W9 R Gets Help-Get in/out of bed	Categ
10	R10BEDH	R10BEDH:W10 R Gets Help-Get in/out of bed	Categ
11	R11BEDH	R11BEDH:W11 R Gets Help-Get in/out of bed	Categ
12	R12BEDH	R12BEDH:W12 R Gets Help-Get in/out of bed	Categ
2	S2BEDH	S2BEDH:W2 S Gets Help-Get in/out of bed	Categ
3	S3BEDH	S3BEDH:W3 S Gets Help-Get in/out of bed	Categ
4	S4BEDH	S4BEDH:W4 S Gets Help-Get in/out of bed	Categ
5	S5BEDH	S5BEDH:W5 S Gets Help-Get in/out of bed	Categ
6	S6BEDH	S6BEDH:W6 S Gets Help-Get in/out of bed	Categ
7	S7BEDH	S7BEDH:W7 S Gets Help-Get in/out of bed	Categ
8	S8BEDH	S8BEDH:W8 S Gets Help-Get in/out of bed	Categ
9	S9BEDH	S9BEDH:W9 S Gets Help-Get in/out of bed	Categ
10	S10BEDH	S10BEDH:W10 S Gets Help-Get in/out of bed	Categ
11	S11BEDH	S11BEDH:W11 S Gets Help-Get in/out of bed	Categ
12	S12BEDH	S12BEDH:W12 S Gets Help-Get in/out of bed	Categ
2	R2BEDE	R2BEDE:W2 R Use Eqp-Get in/out of bed	Categ
3	R3BEDE	R3BEDE:W3 R Use Eqp-Get in/out of bed	Categ
4	R4BEDE	R4BEDE:W4 R Use Eqp-Get in/out of bed	Categ
5	R5BEDE	R5BEDE:W5 R Use Eqp-Get in/out of bed	Categ
6	R6BEDE	R6BEDE:W6 R Use Eqp-Get in/out of bed	Categ
7	R7BEDE	R7BEDE:W7 R Use Eqp-Get in/out of bed	Categ
8	R8BEDE	R8BEDE:W8 R Use Eqp-Get in/out of bed	Categ
9	R9BEDE	R9BEDE:W9 R Use Eqp-Get in/out of bed	Categ

10	R10BEDE	R10BEDE:W10 R Use Eqp-Get in/out of bed	Categ
11	R11BEDE	R11BEDE:W11 R Use Eqp-Get in/out of bed	Categ
12	R12BEDE	R12BEDE:W12 R Use Eqp-Get in/out of bed	Categ
2	S2BEDE	S2BEDE:W2 S Use Eqp-Get in/out of bed	Categ
3	S3BEDE	S3BEDE:W3 S Use Eqp-Get in/out of bed	Categ
4	S4BEDE	S4BEDE:W4 S Use Eqp-Get in/out of bed	Categ
5	S5BEDE	S5BEDE:W5 S Use Eqp-Get in/out of bed	Categ
6	S6BEDE	S6BEDE:W6 S Use Eqp-Get in/out of bed	Categ
7	S7BEDE	S7BEDE:W7 S Use Eqp-Get in/out of bed	Categ
8	S8BEDE	S8BEDE:W8 S Use Eqp-Get in/out of bed	Categ
9	S9BEDE	S9BEDE:W9 S Use Eqp-Get in/out of bed	Categ
10	S10BEDE	S10BEDE:W10 S Use Eqp-Get in/out of bed	Categ
11	S11BEDE	S11BEDE:W11 S Use Eqp-Get in/out of bed	Categ
12	S12BEDE	S12BEDE:W12 S Use Eqp-Get in/out of bed	Categ
2	R2TOILT	R2TOILT:W2 R Diff-Using the toilet	Categ
3	R3TOILT	R3TOILT:W3 R Diff-Using the toilet	Categ
4	R4TOILT	R4TOILT:W4 R Diff-Using the toilet	Categ
5	R5TOILT	R5TOILT:W5 R Diff-Using the toilet	Categ
6	R6TOILT	R6TOILT:W6 R Diff-Using the toilet	Categ
7	R7TOILT	R7TOILT:W7 R Diff-Using the toilet	Categ
8	R8TOILT	R8TOILT:W8 R Diff-Using the toilet	Categ
9	R9TOILT	R9TOILT:W9 R Diff-Using the toilet	Categ
10	R10TOILT	R10TOILT:W10 R Diff-Using the toilet	Categ
11	R11TOILT	R11TOILT:W11 R Diff-Using the toilet	Categ
12	R12TOILT	R12TOILT:W12 R Diff-Using the toilet	Categ
2	S2TOILT	S2TOILT:W2 S Diff-Using the toilet	Categ
3	S3TOILT	S3TOILT:W3 S Diff-Using the toilet	Categ
4	S4TOILT	S4TOILT:W4 S Diff-Using the toilet	Categ
5	S5TOILT	S5TOILT:W5 S Diff-Using the toilet	Categ
6	S6TOILT	S6TOILT:W6 S Diff-Using the toilet	Categ
7	S7TOILT	S7TOILT:W7 S Diff-Using the toilet	Categ
8	S8TOILT	S8TOILT:W8 S Diff-Using the toilet	Categ
9	S9TOILT	S9TOILT:W9 S Diff-Using the toilet	Categ
10	S10TOILT	S10TOILT:W10 S Diff-Using the toilet	Categ
11	S11TOILT	S11TOILT:W11 S Diff-Using the toilet	Categ
12	S12TOILT	S12TOILT:W12 S Diff-Using the toilet	Categ
2	R2TOILTH	R2TOILTH:W2 R Gets Help-Using the toilet	Categ
3	R3TOILTH	R3TOILTH:W3 R Gets Help-Using the toilet	Categ
4	R4TOILTH	R4TOILTH:W4 R Gets Help-Using the toilet	Categ
5	R5TOILTH	R5TOILTH:W5 R Gets Help-Using the toilet	Categ
6	R6TOILTH	R6TOILTH:W6 R Gets Help-Using the toilet	Categ
7	R7TOILTH	R7TOILTH:W7 R Gets Help-Using the toilet	Categ
8	R8TOILTH	R8TOILTH:W8 R Gets Help-Using the toilet	Categ
9	R9TOILTH	R9TOILTH:W9 R Gets Help-Using the toilet	Categ
10	R10TOILTH	R10TOILTH:W10 R Gets Help-Using the toilet	Categ
11	R11TOILTH	R11TOILTH:W11 R Gets Help-Using the toilet	Categ
12	R12TOILTH	R12TOILTH:W12 R Gets Help-Using the toilet	Categ
2	S2TOILTH	S2TOILTH:W2 S Gets Help-Using the toilet	Categ
3	S3TOILTH	S3TOILTH:W3 S Gets Help-Using the toilet	Categ
4	S4TOILTH	S4TOILTH:W4 S Gets Help-Using the toilet	Categ
5	S5TOILTH	S5TOILTH:W5 S Gets Help-Using the toilet	Categ
6	S6TOILTH	S6TOILTH:W6 S Gets Help-Using the toilet	Categ
7	S7TOILTH	S7TOILTH:W7 S Gets Help-Using the toilet	Categ
8	S8TOILTH	S8TOILTH:W8 S Gets Help-Using the toilet	Categ
9	S9TOILTH	S9TOILTH:W9 S Gets Help-Using the toilet	Categ
10	S10TOILTH	S10TOILTH:W10 S Gets Help-Using the toilet	Categ
11	S11TOILTH	S11TOILTH:W11 S Gets Help-Using the toilet	Categ
12	S12TOILTH	S12TOILTH:W12 S Gets Help-Using the toilet	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKR	12652	1.08	0.46	1.0	9.0
R2WALKR	19286	0.11	0.49	0.0	9.0
R3WALKR	17950	0.09	0.42	0.0	9.0
R4WALKR	21355	0.09	0.45	0.0	9.0
R5WALKR	19548	0.10	0.52	0.0	9.0
R6WALKR	18155	0.11	0.49	0.0	9.0
R7WALKR	20117	0.10	0.46	0.0	9.0
R8WALKR	18458	0.10	0.46	0.0	9.0
R9WALKR	17206	0.11	0.51	0.0	9.0
R10WALKR	21898	0.09	0.40	0.0	9.0
R11WALKR	20519	0.09	0.36	0.0	9.0
R12WALKR	18716	0.10	0.39	0.0	9.0
S1WALKR	9900	1.07	0.44	1.0	9.0
S2WALKR	12818	0.07	0.42	0.0	9.0
S3WALKR	11903	0.06	0.37	0.0	9.0
S4WALKR	13970	0.06	0.36	0.0	9.0
S5WALKR	12721	0.06	0.36	0.0	9.0
S6WALKR	11635	0.07	0.38	0.0	9.0
S7WALKR	12969	0.06	0.36	0.0	9.0
S8WALKR	11734	0.06	0.33	0.0	9.0
S9WALKR	10644	0.07	0.39	0.0	9.0
S10WALKR	13432	0.06	0.34	0.0	9.0
S11WALKR	12475	0.06	0.31	0.0	9.0
S12WALKR	11023	0.06	0.25	0.0	9.0
R2WALKRH	8221	0.14	0.68	0.0	9.0
R3WALKRH	1342	0.43	0.49	0.0	1.0
R4WALKRH	1567	0.40	0.49	0.0	1.0
R5WALKRH	1531	0.41	0.49	0.0	1.0
R6WALKRH	1527	0.43	0.50	0.0	1.0
R7WALKRH	1548	0.44	0.50	0.0	2.0
R8WALKRH	1535	0.42	0.49	0.0	1.0
R9WALKRH	1488	0.43	0.50	0.0	1.0
R10WALKRH	1788	0.51	0.50	0.0	1.0
R11WALKRH	1682	0.51	0.50	0.0	1.0
R12WALKRH	1632	0.52	0.50	0.0	1.0
S2WALKRH	4348	0.12	0.66	0.0	9.0
S3WALKRH	590	0.41	0.49	0.0	1.0
S4WALKRH	643	0.42	0.49	0.0	1.0
S5WALKRH	653	0.42	0.49	0.0	1.0
S6WALKRH	636	0.42	0.49	0.0	1.0
S7WALKRH	642	0.44	0.50	0.0	2.0
S8WALKRH	633	0.43	0.50	0.0	1.0
S9WALKRH	554	0.43	0.50	0.0	1.0
S10WALKRH	717	0.52	0.50	0.0	1.0
S11WALKRH	695	0.50	0.50	0.0	1.0
S12WALKRH	626	0.52	0.50	0.0	1.0
R2WALKRE	8221	0.20	0.59	0.0	9.0
R3WALKRE	11612	0.17	0.38	0.0	1.0
R4WALKRE	10330	0.22	0.42	0.0	1.0
R5WALKRE	9722	0.24	0.43	0.0	1.0
R6WALKRE	9574	0.26	0.44	0.0	1.0
R7WALKRE	10283	0.25	0.43	0.0	1.0

R8WALKRE	9846	0.26	0.44	0.0	1.0
R9WALKRE	9229	0.27	0.45	0.0	1.0
R10WALKRE	11083	0.27	0.45	0.0	1.0
R11WALKRE	10316	0.30	0.46	0.0	1.0
R12WALKRE	9703	0.32	0.47	0.0	1.0
S2WALKRE	4348	0.15	0.57	0.0	9.0
S3WALKRE	7143	0.12	0.32	0.0	1.0
S4WALKRE	5977	0.16	0.37	0.0	1.0
S5WALKRE	5601	0.17	0.37	0.0	1.0
S6WALKRE	5431	0.19	0.39	0.0	1.0
S7WALKRE	5849	0.18	0.39	0.0	1.0
S8WALKRE	5523	0.18	0.39	0.0	1.0
S9WALKRE	5021	0.19	0.39	0.0	1.0
S10WALKRE	6043	0.21	0.40	0.0	1.0
S11WALKRE	5535	0.23	0.42	0.0	1.0
S12WALKRE	5001	0.25	0.43	0.0	1.0
R1DRESS	12652	1.05	0.33	1.0	9.0
R2DRESS	19638	0.08	0.39	0.0	9.0
R3DRESS	17950	0.12	0.43	0.0	9.0
R4DRESS	21353	0.12	0.46	0.0	9.0
R5DRESS	19549	0.13	0.54	0.0	9.0
R6DRESS	18153	0.13	0.49	0.0	9.0
R7DRESS	20115	0.12	0.47	0.0	9.0
R8DRESS	18453	0.13	0.48	0.0	9.0
R9DRESS	17207	0.13	0.50	0.0	9.0
R10DRESS	21899	0.13	0.41	0.0	9.0
R11DRESS	20523	0.12	0.40	0.0	9.0
R12DRESS	18722	0.13	0.40	0.0	9.0
S1DRESS	9900	1.04	0.31	1.0	9.0
S2DRESS	13087	0.05	0.34	0.0	9.0
S3DRESS	11903	0.09	0.38	0.0	9.0
S4DRESS	13970	0.09	0.40	0.0	9.0
S5DRESS	12723	0.10	0.40	0.0	9.0
S6DRESS	11635	0.09	0.37	0.0	9.0
S7DRESS	12970	0.08	0.37	0.0	9.0
S8DRESS	11733	0.10	0.37	0.0	9.0
S9DRESS	10644	0.10	0.43	0.0	9.0
S10DRESS	13434	0.09	0.33	0.0	9.0
S11DRESS	12480	0.09	0.35	0.0	9.0
S12DRESS	11024	0.10	0.35	0.0	9.0
R2DRESSH	8221	0.19	0.73	0.0	9.0
R3DRESSH	1883	0.52	0.50	0.0	1.0
R4DRESSH	2196	0.53	0.50	0.0	1.0
R5DRESSH	2095	0.53	0.50	0.0	1.0
R6DRESSH	1939	0.56	0.50	0.0	1.0
R7DRESSH	2009	0.57	0.50	0.0	1.0
R8DRESSH	2060	0.55	0.50	0.0	1.0
R9DRESSH	1938	0.55	0.50	0.0	1.0
R10DRESSH	2573	0.57	0.50	0.0	1.0
R11DRESSH	2318	0.59	0.49	0.0	1.0
R12DRESSH	2317	0.58	0.49	0.0	1.0
S2DRESSH	4348	0.18	0.73	0.0	9.0
S3DRESSH	953	0.55	0.50	0.0	1.0
S4DRESSH	1116	0.53	0.50	0.0	1.0

S5DRESSH	1061	0.52	0.50	0.0	1.0
S6DRESSH	930	0.57	0.50	0.0	1.0
S7DRESSH	977	0.58	0.49	0.0	1.0
S8DRESSH	1015	0.57	0.50	0.0	1.0
S9DRESSH	881	0.54	0.50	0.0	1.0
S10DRESSH	1225	0.59	0.49	0.0	1.0
S11DRESSH	1063	0.59	0.49	0.0	1.0
S12DRESSH	1054	0.59	0.49	0.0	1.0
R1BATH	12652	1.08	0.47	1.0	9.0
R2BATH	19634	0.08	0.39	0.0	9.0
R3BATH	17950	0.09	0.43	0.0	9.0
R4BATH	21350	0.10	0.44	0.0	9.0
R5BATH	19551	0.10	0.49	0.0	9.0
R6BATH	18154	0.11	0.48	0.0	9.0
R7BATH	20112	0.10	0.45	0.0	9.0
R8BATH	18455	0.10	0.44	0.0	9.0
R9BATH	17207	0.10	0.44	0.0	9.0
R10BATH	21897	0.09	0.36	0.0	9.0
R11BATH	20525	0.09	0.36	0.0	9.0
R12BATH	18721	0.10	0.38	0.0	9.0
S1BATH	9900	1.06	0.41	1.0	9.0
S2BATH	13084	0.05	0.30	0.0	9.0
S3BATH	11903	0.06	0.31	0.0	9.0
S4BATH	13969	0.06	0.33	0.0	9.0
S5BATH	12724	0.06	0.33	0.0	9.0
S6BATH	11635	0.06	0.33	0.0	9.0
S7BATH	12969	0.06	0.34	0.0	9.0
S8BATH	11732	0.06	0.28	0.0	9.0
S9BATH	10644	0.06	0.34	0.0	9.0
S10BATH	13432	0.06	0.28	0.0	9.0
S11BATH	12481	0.06	0.29	0.0	9.0
S12BATH	11024	0.06	0.26	0.0	9.0
R2BATHH	8219	0.23	0.80	0.0	9.0
R3BATHH	1390	0.65	0.48	0.0	1.0
R4BATHH	1758	0.60	0.49	0.0	1.0
R5BATHH	1617	0.64	0.48	0.0	1.0
R6BATHH	1549	0.69	0.46	0.0	1.0
R7BATHH	1599	0.66	0.47	0.0	1.0
R8BATHH	1530	0.65	0.48	0.0	1.0
R9BATHH	1497	0.66	0.47	0.0	1.0
R10BATHH	1873	0.64	0.48	0.0	1.0
R11BATHH	1794	0.65	0.48	0.0	1.0
R12BATHH	1733	0.64	0.48	0.0	1.0
S2BATHH	4347	0.17	0.69	0.0	9.0
S3BATHH	567	0.63	0.48	0.0	1.0
S4BATHH	727	0.58	0.49	0.0	1.0
S5BATHH	637	0.62	0.49	0.0	1.0
S6BATHH	588	0.68	0.47	0.0	1.0
S7BATHH	617	0.64	0.48	0.0	1.0
S8BATHH	593	0.65	0.48	0.0	1.0
S9BATHH	537	0.61	0.49	0.0	1.0
S10BATHH	718	0.65	0.48	0.0	1.0
S11BATHH	680	0.61	0.49	0.0	1.0
S12BATHH	635	0.64	0.48	0.0	1.0

R1EAT	12652	1.02	0.23	1.0	9.0
R2EAT	19639	0.02	0.21	0.0	9.0
R3EAT	17951	0.05	0.31	0.0	9.0
R4EAT	21353	0.05	0.34	0.0	9.0
R5EAT	19555	0.05	0.41	0.0	9.0
R6EAT	18154	0.05	0.38	0.0	9.0
R7EAT	20110	0.05	0.39	0.0	9.0
R8EAT	18456	0.06	0.41	0.0	9.0
R9EAT	17206	0.05	0.38	0.0	9.0
R10EAT	21895	0.05	0.37	0.0	9.0
R11EAT	20531	0.06	0.37	0.0	9.0
R12EAT	18723	0.05	0.32	0.0	9.0
S1EAT	9900	1.02	0.22	1.0	9.0
S2EAT	13085	0.01	0.19	0.0	9.0
S3EAT	11903	0.03	0.26	0.0	9.0
S4EAT	13969	0.03	0.27	0.0	9.0
S5EAT	12725	0.03	0.31	0.0	9.0
S6EAT	11634	0.03	0.29	0.0	9.0
S7EAT	12971	0.03	0.27	0.0	9.0
S8EAT	11733	0.03	0.27	0.0	9.0
S9EAT	10643	0.03	0.31	0.0	9.0
S10EAT	13431	0.03	0.26	0.0	9.0
S11EAT	12483	0.04	0.28	0.0	9.0
S12EAT	11024	0.03	0.23	0.0	9.0
R2EATH	8221	0.11	0.54	0.0	9.0
R3EATH	691	0.60	0.49	0.0	1.0
R4EATH	826	0.60	0.49	0.0	1.0
R5EATH	749	0.68	0.47	0.0	1.0
R6EATH	752	0.63	0.48	0.0	1.0
R7EATH	776	0.63	0.48	0.0	1.0
R8EATH	795	0.64	0.48	0.0	1.0
R9EATH	724	0.62	0.48	0.0	1.0
R10EATH	956	0.52	0.50	0.0	1.0
R11EATH	916	0.55	0.50	0.0	1.0
R12EATH	888	0.54	0.50	0.0	1.0
S2EATH	4348	0.08	0.50	0.0	9.0
S3EATH	305	0.59	0.49	0.0	1.0
S4EATH	362	0.64	0.48	0.0	1.0
S5EATH	312	0.67	0.47	0.0	1.0
S6EATH	290	0.65	0.48	0.0	1.0
S7EATH	301	0.63	0.48	0.0	1.0
S8EATH	319	0.64	0.48	0.0	1.0
S9EATH	256	0.60	0.49	0.0	1.0
S10EATH	376	0.51	0.50	0.0	1.0
S11EATH	378	0.54	0.50	0.0	1.0
S12EATH	342	0.53	0.50	0.0	1.0
R1BED	12652	1.12	0.50	1.0	9.0
R2BED	19631	0.07	0.38	0.0	9.0
R3BED	17950	0.08	0.35	0.0	9.0
R4BED	21352	0.09	0.39	0.0	9.0
R5BED	19551	0.09	0.43	0.0	9.0
R6BED	18150	0.09	0.45	0.0	9.0
R7BED	20114	0.08	0.40	0.0	9.0
R8BED	18455	0.09	0.42	0.0	9.0
R9BED	17202	0.09	0.41	0.0	9.0

R10BED	21891	0.09	0.38	0.0	9.0
R11BED	20520	0.09	0.41	0.0	9.0
R12BED	18715	0.09	0.40	0.0	9.0
S1BED	9900	1.11	0.47	1.0	9.0
S2BED	13081	0.06	0.37	0.0	9.0
S3BED	11903	0.06	0.30	0.0	9.0
S4BED	13969	0.06	0.31	0.0	9.0
S5BED	12724	0.06	0.34	0.0	9.0
S6BED	11633	0.06	0.33	0.0	9.0
S7BED	12970	0.05	0.33	0.0	9.0
S8BED	11731	0.07	0.35	0.0	9.0
S9BED	10644	0.06	0.35	0.0	9.0
S10BED	13430	0.06	0.29	0.0	9.0
S11BED	12477	0.07	0.34	0.0	9.0
S12BED	11020	0.07	0.32	0.0	9.0
R2BEDH	8220	0.10	0.56	0.0	9.0
R3BEDH	1353	0.40	0.49	0.0	1.0
R4BEDH	1568	0.39	0.49	0.0	1.0
R5BEDH	1402	0.43	0.49	0.0	1.0
R6BEDH	1316	0.47	0.50	0.0	1.0
R7BEDH	1343	0.48	0.50	0.0	1.0
R8BEDH	1377	0.46	0.50	0.0	1.0
R9BEDH	1257	0.49	0.50	0.0	1.0
R10BEDH	1748	0.50	0.50	0.0	1.0
R11BEDH	1664	0.53	0.50	0.0	1.0
R12BEDH	1552	0.52	0.50	0.0	1.0
S2BEDH	4347	0.09	0.57	0.0	9.0
S3BEDH	645	0.39	0.49	0.0	1.0
S4BEDH	746	0.38	0.49	0.0	1.0
S5BEDH	667	0.40	0.49	0.0	1.0
S6BEDH	582	0.47	0.50	0.0	1.0
S7BEDH	604	0.49	0.50	0.0	1.0
S8BEDH	660	0.44	0.50	0.0	1.0
S9BEDH	522	0.44	0.50	0.0	1.0
S10BEDH	791	0.51	0.50	0.0	1.0
S11BEDH	756	0.51	0.50	0.0	1.0
S12BEDH	671	0.53	0.50	0.0	1.0
R2BEDE	8220	0.06	0.38	0.0	9.0
R3BEDE	11611	0.07	0.25	0.0	1.0
R4BEDE	10328	0.09	0.28	0.0	1.0
R5BEDE	9722	0.09	0.29	0.0	1.0
R6BEDE	9566	0.11	0.31	0.0	1.0
R7BEDE	10279	0.10	0.30	0.0	1.0
R8BEDE	9838	0.10	0.31	0.0	1.0
R9BEDE	9225	0.10	0.31	0.0	1.0
R10BEDE	11073	0.11	0.31	0.0	1.0
R11BEDE	10310	0.12	0.33	0.0	1.0
R12BEDE	9685	0.13	0.34	0.0	1.0
S2BEDE	4347	0.05	0.42	0.0	9.0
S3BEDE	7143	0.05	0.21	0.0	1.0
S4BEDE	5977	0.06	0.23	0.0	1.0
S5BEDE	5603	0.06	0.24	0.0	1.0
S6BEDE	5429	0.07	0.26	0.0	1.0
S7BEDE	5849	0.06	0.24	0.0	1.0

S8BEDE	5521	0.07	0.25	0.0	1.0
S9BEDE	5021	0.07	0.25	0.0	1.0
S10BEDE	6040	0.08	0.27	0.0	1.0
S11BEDE	5533	0.09	0.28	0.0	1.0
S12BEDE	4995	0.10	0.30	0.0	1.0
R2TOILT	8218	0.05	0.28	0.0	2.0
R3TOILT	17950	0.07	0.37	0.0	9.0
R4TOILT	21347	0.08	0.41	0.0	9.0
R5TOILT	19548	0.08	0.44	0.0	9.0
R6TOILT	18148	0.09	0.49	0.0	9.0
R7TOILT	20113	0.08	0.49	0.0	9.0
R8TOILT	18455	0.10	0.51	0.0	9.0
R9TOILT	17202	0.09	0.52	0.0	9.0
R10TOILT	21886	0.08	0.41	0.0	9.0
R11TOILT	20530	0.08	0.42	0.0	9.0
R12TOILT	18719	0.09	0.43	0.0	9.0
S2TOILT	4347	0.03	0.23	0.0	2.0
S3TOILT	11902	0.05	0.30	0.0	9.0
S4TOILT	13967	0.05	0.34	0.0	9.0
S5TOILT	12725	0.05	0.34	0.0	9.0
S6TOILT	11631	0.05	0.35	0.0	9.0
S7TOILT	12968	0.05	0.37	0.0	9.0
S8TOILT	11731	0.06	0.39	0.0	9.0
S9TOILT	10644	0.05	0.37	0.0	9.0
S10TOILT	13428	0.05	0.31	0.0	9.0
S11TOILT	12483	0.06	0.37	0.0	9.0
S12TOILT	11026	0.06	0.32	0.0	9.0
R2TOILTH	8219	0.06	0.41	0.0	3.0
R3TOILTH	1064	0.36	0.48	0.0	1.0
R4TOILTH	1334	0.34	0.48	0.0	1.0
R5TOILTH	1251	0.35	0.48	0.0	1.0
R6TOILTH	1190	0.39	0.49	0.0	1.0
R7TOILTH	1221	0.37	0.48	0.0	1.0
R8TOILTH	1343	0.33	0.47	0.0	1.0
R9TOILTH	1200	0.37	0.48	0.0	1.0
R10TOILTH	1544	0.33	0.47	0.0	1.0
R11TOILTH	1453	0.38	0.48	0.0	1.0
R12TOILTH	1398	0.36	0.48	0.0	1.0
S2TOILTH	4347	0.05	0.37	0.0	3.0
S3TOILTH	460	0.35	0.48	0.0	1.0
S4TOILTH	607	0.33	0.47	0.0	1.0
S5TOILTH	571	0.30	0.46	0.0	1.0
S6TOILTH	483	0.37	0.48	0.0	1.0
S7TOILTH	503	0.35	0.48	0.0	1.0
S8TOILTH	565	0.30	0.46	0.0	1.0
S9TOILTH	470	0.31	0.46	0.0	1.0
S10TOILTH	615	0.31	0.46	0.0	1.0
S11TOILTH	586	0.34	0.47	0.0	1.0
S12TOILTH	554	0.34	0.47	0.0	1.0

Categorical Variable Codes

Value	R1WALKR
1.Not at all diff	12102
2.A little diff	295
3.Somewhat diff	152
4.Very diff/can't do	87
9.Don't do	16

Value	R2WALKR
.D=DK/NA	354
.M=Oth missing	1
.R=RF	1
0.No	17954
1.Yes,a little	727
2.Yes,a lot	579
3.Yes,DK/NA how much	4
4.Yes,RF how much	1
9.Don't do	21

Value	R3WALKR	R4WALKR	R5WALKR	R6WALKR	R7WALKR
.D=DK/NA	2	1	5	3	1
.R=RF	3		3		1
.S=Skip	36	28	23	7	10
0.No	16607	19789	18021	16630	18562
1.Yes	1159	1338	1317	1336	1361
2.Can't do	165	199	166	156	164
9.Don't do	19	29	44	33	30

Value	R8WALKR	R9WALKR	R10WALKR	R11WALKR	R12WALKR
.D=DK/NA	2	1	4	15	15
.R=RF	2	1	1	2	1
.S=Skip	7	9	131	18	16
0.No	16922	15719	20113	18845	17094
1.Yes	1327	1310	1667	1564	1552
2.Can't do	183	142	98	99	55
9.Don't do	26	35	20	11	15

Value	S1WALKR
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	9533
2.A little diff	202
3.Somewhat diff	96
4.Very diff/can't do	55
9.Don't do	14

Value	S2WALKR
.D=DK/NA	268
.M=Oth missing	1
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	584
0.No	12215
1.Yes,a little	336
2.Yes,a lot	252
3.Yes,DK/NA how much	2
4.Yes,RF how much	1
9.Don't do	12

Value	S3WALKR	S4WALKR	S5WALKR	S6WALKR	S7WALKR
.D=DK/NA	1	2	1	1	
.R=RF	1	2		1	
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	11310	13328	12070	11000	12326
1.Yes	504	552	579	571	574
2.Can't do	78	78	61	52	57
9.Don't do	11	12	11	12	12

Value	S8WALKR	S9WALKR	S10WALKR	S11WALKR	S12WALKR
.D=DK/NA			2	9	5
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11100	10090	12716	11787	10400
1.Yes	563	500	679	643	605
2.Can't do	65	42	27	40	17
9.Don't do	6	12	10	5	1

Value	R2WALKRH
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7711
1.Yes,occasionally	194
2.Yes,some of the time	112
3.Yes,most of the time	183
9.Don't do	21

Value	R3WALKRH	R4WALKRH	R5WALKRH	R6WALKRH	R7WALKRH
.D=DK/NA	1		1	1	3
.M=Oth missing	1				
.R=RF	1		3		1
.S=Skip	16646	19817	18044	16637	18572
.X=Don't do					5
0.No	770	938	907	870	876
1.Yes	572	629	624	657	669
2.Can't do					3

Value	R8WALKRH	R9WALKRH	R10WALKRH	R11WALKRH	R12WALKRH
.D=DK/NA	3	1	1	8	5
.R=RF	2		1	1	1
.S=Skip	16929	15728	20244	18863	17110
0.No	892	841	881	819	785
1.Yes	643	647	907	863	847

Value	S2WALKRH
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.No	4121
1.Yes,occasionally	84
2.Yes,some of the time	51
3.Yes,most of the time	80
9.Don't do	12

Value	S3WALKRH	S4WALKRH	S5WALKRH	S6WALKRH	S7WALKRH
.M=Oth missing	1				
.R=RF	1		2		1
.S=Skip	11323	13335	12075	11003	12327
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=Don't do					2
0.No	349	374	380	371	362
1.Yes	241	269	273	265	278
2.Can't do					2

Value	S8WALKRH	S9WALKRH	S10WALKRH	S11WALKRH	S12WALKRH
.D=DK/NA	1		1	2	2
.S=Skip	11101	10092	12795	11791	10403
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	362	315	345	349	300
1.Yes	271	239	372	346	326

Value	R2WALKRE	R3WALKRE	R4WALKRE	R5WALKRE	R6WALKRE	R7WALKRE
.D=DK/NA		1	3	2	2	
.M=Oth missing	1					
.Q=Not asked this wv	11420					
.R=RF		1		3		1
.S=Skip		6377	11051	9852	8589	9845
0.No	6733	9614	8007	7379	7107	7693
1.Yes	1467	1998	2323	2343	2467	2590
9.Don't do	21					

Value	R8WALKRE	R9WALKRE	R10WALKRE	R11WALKRE	R12WALKRE
.D=DK/NA	1	1	3	7	5
.R=RF	2		1	1	2
.S=Skip	8620	7987	10947	10230	9038
0.No	7276	6716	8038	7212	6626
1.Yes	2570	2513	3045	3104	3077

Value	S2WALKRE	S3WALKRE	S4WALKRE	S5WALKRE	S6WALKRE	S7WALKRE
.D=DK/NA			2		1	
.M=Oth missing	1					
.Q=Not asked this wv	9123					
.R=RF		1		2		1
.S=Skip		4771	7999	7127	6207	7122
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
0.No	3778	6307	5016	4655	4423	4772
1.Yes	558	836	961	946	1008	1077
9.Don't do	12					

Value	S8WALKRE	S9WALKRE	S10WALKRE	S11WALKRE	S12WALKRE
.D=DK/NA	1		1	2	
.S=Skip	6211	5625	7469	6951	6030
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	4513	4066	4799	4273	3759
1.Yes	1010	955	1244	1262	1242

Value	R1DRESS
1.Not at all diff	12278
2.A little diff	238
3.Somewhat diff	85
4.Very diff/can't do	44
9.Don't do	7

Value	R2DRESS
.D=DK/NA	3
.M=Oth missing	1
0.No	18574
1.Yes,a little	690
2.Yes,a lot	363
9.Don't do	11

Value	R3DRESS	R4DRESS	R5DRESS	R6DRESS	R7DRESS
.D=DK/NA	3	3	6	5	3
.M=Oth missing	1				
.R=RF	1		1		1
.S=Skip	36	28	23	7	10
0.No	16068	19160	17458	16216	18104
1.Yes	1719	1981	1917	1790	1850
2.Can't do	148	185	130	118	131
9.Don't do	15	27	44	29	30

Value	R8DRESS	R9DRESS	R10DRESS	R11DRESS	R12DRESS
.D=DK/NA	7	1	2	10	8
.R=RF	2		2	3	2
.S=Skip	7	9	131	18	16
0.No	16398	15269	19328	18212	16412
1.Yes	1889	1798	2495	2237	2248
2.Can't do	140	110	60	60	51
9.Don't do	26	30	16	14	11

Value	S1DRESS
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	9655
2.A little diff	152
3.Somewhat diff	55
4.Very diff/can't do	33
9.Don't do	5

Value	S2DRESS
.M=Oth missing	1
.U=Unmarried	5970
.V=Spouse NR	584
0.No	12603
1.Yes,a little	322
2.Yes,a lot	154
9.Don't do	8

Value	S3DRESS	S4DRESS	S5DRESS	S6DRESS	S7DRESS
.D=DK/NA		1	1	1	
.R=RF	1		1		1
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	10949	12855	11662	10705	11991
1.Yes	884	1026	997	880	919
2.Can't do	62	76	52	42	51
9.Don't do	8	13	12	8	9

Value	S8DRESS	S9DRESS	S10DRESS	S11DRESS	S12DRESS
.D=DK/NA	1			4	4
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10719	9762	12209	11419	9974
1.Yes	949	834	1202	1028	1027
2.Can't do	58	34	19	27	19
9.Don't do	7	14	4	6	4

Value	R2DRESSH
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7560
1.Yes,occasionally	157
2.Yes,some of the time	150
3.Yes,most of the time	343
9.Don't do	11

Value	R3DRESSH	R4DRESSH	R5DRESSH	R6DRESSH	R7DRESSH
.D=DK/NA	3		1	3	4
.R=RF	1		2		2
.S=Skip	16104	19188	17481	16223	18114
0.No	897	1039	993	850	866
1.Yes	986	1157	1102	1089	1143

Value	R8DRESSH	R9DRESSH	R10DRESSH	R11DRESSH	R12DRESSH
.D=DK/NA	2	1	1	4	2
.R=RF	2		1	2	1
.S=Skip	16405	15278	19459	18230	16428
0.No	917	873	1114	959	980
1.Yes	1143	1065	1459	1359	1337

Value	S2DRESSH
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.No	4036
1.Yes,occasionally	79
2.Yes,some of the time	64
3.Yes,most of the time	161
9.Don't do	8

Value	S3DRESSH	S4DRESSH	S5DRESSH	S6DRESSH	S7DRESSH
.D=DK/NA	1			1	1
.R=RF	1		2		2
.S=Skip	10960	12862	11667	10708	11992
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	433	520	514	403	409
1.Yes	520	596	547	527	568

Value	S8DRESSH	S9DRESSH	S10DRESSH	S11DRESSH	S12DRESSH
.D=DK/NA		1		2	
.S=Skip	10720	9764	12288	11423	9977
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	440	402	503	441	430
1.Yes	575	479	722	622	624

Value	R1BATH
1.Not at all diff	12081
2.A little diff	268
3.Somewhat diff	172
4.Very diff/can't do	118
9.Don't do	13

Value	R2BATH
.D=DK/NA	7
.M=Oth missing	1
0.No	18642
1.Yes,a little	519
2.Yes,a lot	464
4.Yes,RF how much	1
9.Don't do	8

Value	R3BATH	R4BATH	R5BATH	R6BATH	R7BATH
.D=DK/NA	3	6	5	4	5
.M=Oth missing	1				
.R=RF	1				2
.S=Skip	36	28	23	7	10
0.No	16562	19595	17936	16608	18514
1.Yes	1232	1551	1463	1397	1455
2.Can't do	135	178	115	117	113
9.Don't do	21	26	37	32	30

Value	R8BATH	R9BATH	R10BATH	R11BATH	R12BATH
.D=DK/NA	5	1	5	9	10
.R=RF	2		1	2	1
.S=Skip	7	9	131	18	16
0.No	16929	15711	20028	18736	16998
1.Yes	1379	1367	1791	1723	1664
2.Can't do	123	107	67	55	46
9.Don't do	24	22	11	11	13

Value	S1BATH
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	9555
2.A little diff	166
3.Somewhat diff	101
4.Very diff/can't do	70
9.Don't do	8

Value	S2BATH
.D=DK/NA	3
.M=Oth missing	1
.U=Unmarried	5970
.V=Spouse NR	584
0.No	12651
1.Yes,a little	238
2.Yes,a lot	192
9.Don't do	3

Value	S3BATH	S4BATH	S5BATH	S6BATH	S7BATH
.D=DK/NA		2	1	1	
.R=RF	1				2
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	11336	13243	12087	11048	12352
1.Yes	510	647	585	542	576
2.Can't do	51	71	44	37	31
9.Don't do	6	8	8	8	10

Value	S8BATH	S9BATH	S10BATH	S11BATH	S12BATH
.D=DK/NA	2		2	2	4
.R=RF				1	
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11141	10107	12716	11802	10392
1.Yes	544	499	692	654	615
2.Can't do	44	30	20	21	16
9.Don't do	3	8	4	4	1

Value	R2BATHH
.D=DK/NA	2
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7511
1.Yes,occasionally	96
2.Yes,some of the time	91
3.Yes,most of the time	513
9.Don't do	8

Value	R3BATHH	R4BATHH	R5BATHH	R6BATHH	R7BATHH
.D=DK/NA	2	3	3	1	4
.R=RF	1				1
.S=Skip	16598	19623	17959	16615	18524
.X=Don't do					1
0.No	483	695	576	474	539
1.Yes	907	1063	1041	1075	1060

Value	R8BATHH	R9BATHH	R10BATHH	R11BATHH	R12BATHH
.D=DK/NA	1		1	4	1
.R=RF	2		1	2	
.S=Skip	16936	15720	20159	18754	17014
0.No	529	507	671	632	622
1.Yes	1001	990	1202	1162	1111

Value	S2BATHH
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.No	4076
1.Yes,occasionally	33
2.Yes,some of the time	34
3.Yes,most of the time	201
9.Don't do	3

Value	S3BATHH	S4BATHH	S5BATHH	S6BATHH	S7BATHH
.D=DK/NA		1	1		
.R=RF	1				1
.S=Skip	11347	13250	12092	11051	12353
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=Don't do					1
0.No	210	302	242	191	224
1.Yes	357	425	395	397	393

Value	S8BATHH	S9BATHH	S10BATHH	S11BATHH	S12BATHH
.D=DK/NA				1	1
.R=RF				1	
.S=Skip	11142	10109	12795	11806	10395
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	208	210	248	263	231
1.Yes	385	327	470	417	404

Value	R1EAT
1.Not at all diff	12529
2.A little diff	78
3.Somewhat diff	21
4.Very diff/can't do	19
9.Don't do	5

Value	R2EAT
.D=DK/NA	1
.M=Oth missing	1
.R=RF	1
0.No	19410
1.Yes,a little	130
2.Yes,a lot	94
4.Yes,RF how much	1
9.Don't do	4

Value	R3EAT	R4EAT	R5EAT	R6EAT	R7EAT
.D=DK/NA	3	3	1	4	9
.R=RF	1				
.S=Skip	36	28	23	7	10
0.No	17260	20529	18805	17405	19340
1.Yes	607	717	657	663	672
2.Can't do	74	89	63	64	71
9.Don't do	10	18	30	22	27

Value	R8EAT	R9EAT	R10EAT	R11EAT	R12EAT
.D=DK/NA	3	2	7	4	7
.R=RF	3		1	1	2
.S=Skip	7	9	131	18	16
0.No	17662	16483	20941	19617	17843
1.Yes	697	651	888	852	845
2.Can't do	69	51	41	39	22
9.Don't do	28	21	25	23	13

Value	S1EAT
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	9819
2.A little diff	50
3.Somewhat diff	13
4.Very diff/can't do	14
9.Don't do	4

Value	S2EAT
.D=DK/NA	1
.M=Oth missing	1
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	584
0.No	12989
1.Yes,a little	52
2.Yes,a lot	40
4.Yes,RF how much	1
9.Don't do	3

Value	S3EAT	S4EAT	S5EAT	S6EAT	S7EAT
.D=DK/NA		2		2	
.R=RF	1				
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	11597	13608	12413	11346	12670
1.Yes	268	315	274	258	271
2.Can't do	33	39	27	22	23
9.Don't do	5	7	11	8	7

Value	S8EAT	S9EAT	S10EAT	S11EAT	S12EAT
.D=DK/NA		1	3	1	3
.R=RF	1				1
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11414	10388	13057	12104	10686
1.Yes	290	233	351	354	326
2.Can't do	23	13	17	18	9
9.Don't do	6	9	6	7	3

Value	R2EATH
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7858
1.Yes,occasionally	94
2.Yes,some of the time	58
3.Yes,most of the time	207
9.Don't do	4

Value	R3EATH	R4EATH	R5EATH	R6EATH	R7EATH
.D=DK/NA	2	1	2	1	3
.M=Oth missing	1				
.R=RF	1				
.S=Skip	17296	20557	18828	17412	19350
0.No	277	334	243	276	289
1.Yes	414	492	506	476	487

Value	R8EATH	R9EATH	R10EATH	R11EATH	R12EATH
.D=DK/NA	2	1	5	2	
.R=RF	3		1	1	1
.S=Skip	17669	16492	21072	19635	17859
0.No	284	272	460	409	409
1.Yes	511	452	496	507	479

Value	S2EATH
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.No	4195
1.Yes,occasionally	43
2.Yes,some of the time	28
3.Yes,most of the time	79
9.Don't do	3

Value	S3EATH	S4EATH	S5EATH	S6EATH	S7EATH
.D=DK/NA		1			
.M=Oth missing	1				
.R=RF	1				
.S=Skip	11608	13615	12418	11349	12671
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	125	130	103	102	111
1.Yes	180	232	209	188	190

Value	S8EATH	S9EATH	S10EATH	S11EATH	S12EATH
.D=DK/NA			1	2	
.R=RF	1				
.S=Skip	11415	10390	13136	12108	10689
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	115	103	183	173	162
1.Yes	204	153	193	205	180

Value	R1BED
1.Not at all diff	11672
2.A little diff	575
3.Somewhat diff	277
4.Very diff/can't do	118
9.Don't do	10

Value	R2BED
.D=DK/NA	8
.M=Oth missing	1
.R=RF	2
0.No	18622
1.Yes,a little	650
2.Yes,a lot	344
3.Yes,DK/NA how much	1
4.Yes,RF how much	3
9.Don't do	11

Value	R3BED	R4BED	R5BED	R6BED	R7BED
.D=DK/NA	4	4	5	8	5
.R=RF	1				
.S=Skip	36	28	23	7	10
0.No	16599	19783	18150	16840	18773
1.Yes	1250	1436	1284	1185	1222
2.Can't do	92	115	90	97	97
9.Don't do	9	18	27	28	22

Value	R8BED	R9BED	R10BED	R11BED	R12BED
.D=DK/NA	4	6	11	14	16
.R=RF	3		1	2	1
.S=Skip	7	9	131	18	16
0.No	17080	15949	20149	18871	17170
1.Yes	1248	1148	1670	1584	1505
2.Can't do	106	87	55	41	21
9.Don't do	21	18	17	24	19

Value	S1BED
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	9235
2.A little diff	403
3.Somewhat diff	179
4.Very diff/can't do	76
9.Don't do	7

Value	S2BED
.D=DK/NA	4
.M=Oth missing	1
.R=RF	2
.U=Unmarried	5970
.V=Spouse NR	584
0.No	12557
1.Yes,a little	347
2.Yes,a lot	164
3.Yes,DK/NA how much	1
4.Yes,RF how much	3
9.Don't do	9

Value	S3BED	S4BED	S5BED	S6BED	S7BED
.D=DK/NA		2	1	3	1
.R=RF	1				
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	11258	13220	12057	11053	12366
1.Yes	603	697	626	542	562
2.Can't do	38	46	32	30	33
9.Don't do	4	6	9	8	9

Value	S8BED	S9BED	S10BED	S11BED	S12BED
.D=DK/NA	2		4	6	8
.R=RF	1			1	
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11072	10122	12641	11728	10352
1.Yes	616	492	767	720	655
2.Can't do	34	21	18	20	7
9.Don't do	9	9	4	9	6

Value	R2BEDH
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7917
1.Yes,occasionally	70
2.Yes,some of the time	48
3.Yes,most of the time	175
9.Don't do	10

Value	R3BEDH	R4BEDH	R5BEDH	R6BEDH	R7BEDH
.D=DK/NA	2	5	4	2	2
.R=RF	1				
.S=Skip	16635	19811	18173	16847	18783
.X=Don't do					1
0.No	812	951	803	693	698
1.Yes	541	617	599	623	645

Value	R8BEDH	R9BEDH	R10BEDH	R11BEDH	R12BEDH
.D=DK/NA	2	2	5		9
.R=RF	3		1	1	1
.S=Skip	17087	15958	20280	18889	17186
0.No	741	639	878	785	743
1.Yes	636	618	870	879	809

Value	S2BEDH
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.No	4210
1.Yes,occasionally	35
2.Yes,some of the time	18
3.Yes,most of the time	76
9.Don't do	8

Value	S3BEDH	S4BEDH	S5BEDH	S6BEDH	S7BEDH
.D=DK/NA		5	1	1	
.R=RF	1				
.S=Skip	11269	13227	12062	11056	12367
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=Don't do					1
0.No	392	461	397	308	306
1.Yes	253	285	270	274	298

Value	S8BEDH	S9BEDH	S10BEDH	S11BEDH	S12BEDH
.D=DK/NA	1		2		5
.R=RF	1				
.S=Skip	11073	10124	12720	11732	10355
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	372	292	387	368	318
1.Yes	288	230	404	388	353

Value	R2BEDE	R3BEDE	R4BEDE	R5BEDE	R6BEDE	R7BEDE
.D=DK/NA	1	1	4	4	10	5
.M=Oth missing	1	1				
.Q=Not asked this wv	11420					
.R=RF		1	1	1		
.S=Skip		6377	11051	9852	8589	9845
0.No	7813	10818	9446	8808	8554	9281
1.Yes	397	793	882	914	1012	998
9.Don't do	10					

Value	R8BEDE	R9BEDE	R10BEDE	R11BEDE	R12BEDE
.D=DK/NA	7	5	12	12	23
.R=RF	4		2	2	2
.S=Skip	8620	7987	10947	10230	9038
0.No	8816	8258	9864	9071	8414
1.Yes	1022	967	1209	1239	1271

Value	S2BEDE	S3BEDE	S4BEDE	S5BEDE	S6BEDE	S7BEDE
.D=DK/NA	1		1		3	1
.M=Oth missing	1					
.Q=Not asked this wv	9123					
.R=RF		1	1			
.S=Skip		4771	7999	7127	6207	7122
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
0.No	4191	6816	5633	5258	5045	5490
1.Yes	148	327	344	345	384	359
9.Don't do	8					

Value	S8BEDE	S9BEDE	S10BEDE	S11BEDE	S12BEDE
.D=DK/NA	2		3	3	6
.R=RF	1		1	1	
.S=Skip	6211	5625	7469	6951	6030
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5143	4686	5575	5059	4513
1.Yes	378	335	465	474	482

Value	R2TOILT
.D=DK/NA	2
.M=Oth missing	1
.Q=Not asked this wv	11420
.R=RF	1
0.No	7925
1.Yes,a little	161
2.Yes,a lot	132

Value	R3TOILT	R4TOILT	R5TOILT	R6TOILT	R7TOILT
.D=DK/NA	4	8	8	9	5
.R=RF	1	1		1	1
.S=Skip	36	28	23	7	10
0.No	16886	20015	18300	16962	18890
1.Yes	954	1203	1135	1063	1103
2.Can't do	95	103	83	84	77
9.Don't do	15	26	30	39	43

Value	R8TOILT	R9TOILT	R10TOILT	R11TOILT	R12TOILT
.D=DK/NA	3	6	15	4	12
.R=RF	4		2	2	1
.S=Skip	7	9	131	18	16
0.No	17115	16005	20351	19070	17325
1.Yes	1213	1091	1462	1398	1345
2.Can't do	86	63	47	35	23
9.Don't do	41	43	26	27	26

Value	S2TOILT
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.No	4243
1.Yes,a little	57
2.Yes,a lot	47

Value	S3TOILT	S4TOILT	S5TOILT	S6TOILT	S7TOILT
.D=DK/NA	1	3		4	2
.R=RF	1	1		1	1
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	11442	13359	12154	11150	12462
1.Yes	408	554	530	444	471
2.Can't do	46	43	30	26	20
9.Don't do	6	11	11	11	15

Value	S8TOILT	S9TOILT	S10TOILT	S11TOILT	S12TOILT
.D=DK/NA	1		5	1	2
.R=RF	2		1		
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11167	10174	12817	11893	10474
1.Yes	525	439	587	561	536
2.Can't do	24	19	16	15	9
9.Don't do	15	12	8	14	7

Value	R2TOILTH
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	11420
.R=RF	1
0.No	8009
1.Yes,occasionally	35
2.Yes,some of the time	43
3.Yes,most of the time	132

Value	R3TOILTH	R4TOILTH	R5TOILTH	R6TOILTH	R7TOILTH
.D=DK/NA	3	6	4	6	3
.R=RF	2	1	1		1
.S=Skip	16922	20043	18323	16969	18900
.X=Don't do					4
0.No	679	874	813	723	772
1.Yes	385	460	438	467	449

Value	R8TOILTH	R9TOILTH	R10TOILTH	R11TOILTH	R12TOILTH
.D=DK/NA		3	6	11	8
.R=RF	4		2	2	1
.S=Skip	17122	16014	20482	19088	17341
0.No	897	762	1030	908	894
1.Yes	446	438	514	545	504

Value	S2TOILTH
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.No	4255
1.Yes,occasionally	15
2.Yes,some of the time	21
3.Yes,most of the time	56

Value	S3TOILTH	S4TOILTH	S5TOILTH	S6TOILTH	S7TOILTH
.D=DK/NA	1	4		3	2
.R=RF	1	1			1
.S=Skip	11453	13366	12159	11153	12463
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=Don't do					3
0.No	297	409	402	304	326
1.Yes	163	198	169	179	177

Value	S8TOILTH	S9TOILTH	S10TOILTH	S11TOILTH	S12TOILTH
.D=DK/NA			2	5	
.R=RF	2				
.S=Skip	11168	10176	12896	11897	10477
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	394	325	423	388	368
1.Yes	171	145	192	198	186

How Constructed

These variables recode the raw variables for difficulty with activities of daily living (ADLs) as they appear in the HRS data except for missing values and accounting for skip patterns. The ADLs include walking across a room (RwWALKR), dressing (RwDRESS), bathing (RwBATH), eating (RwEAT), getting in and out of bed (RwBED), and using the toilet (RwTOILT). In the following, references to Rw[adl] apply to all these variables. Also described here are variables coding whether the Respondent gets help with ADLs (Rw[adl]H, e.g., RwDRESSH) or uses equipment to walk across a room or get in and out of bed (RwWALKRE and RwBEDE).

Note that questions about using the toilet are not asked in Waves 1 and 2H. Thus there is no R1TOILT variable and for HRS Respondents in Wave 2, R2TOILT is set to .Q (question not asked). Questions about receiving help or using equipment are not asked in these waves for any of the ADLs. So in Wave 1, the variables R1[adl]H, R1WALKRE, or R1BEDE are not present, and for HRS Respondents in Wave 2H, the R2[adl]H, R2WALKRE, and R2BEDE variables are set to .Q.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves "don't know" is recoded to special missing code .D and "refused" is recoded to .R. In Wave 1, difficulty with an ADL is rated on a 4-point scale from "no difficulty" to "very difficult/can't do." These are assigned without change. A "don't do" answer is recoded to 9.

In Wave 2, the question asks if the Respondent has any difficulty with an ADL and if so, asks follow-up questions about the degree of difficulty. In Wave 2H, the raw variable codes both questions as one categorical variable. In Wave 2A the answer to the first question and a categorical variable for the follow-up are given. In either case, a "no" answer to the

first question about any difficulty is recoded to "0," and the categorical levels of difficulty are recoded appropriately to "a little" and "a lot", or "don't know/refused how much." A "don't do" response is coded as "9."

From Wave 3 forward, the answers are simply "yes" for difficulty and "no" if not, which are coded "1" and "0," respectively. A "can't do" response is recoded to "2" and a "don't do" response is recoded to "9." If the response to the difficulty question is missing and the Respondent says "yes" to the follow-up question about getting help with the ADL, then Rw[adl] is set to "1," or "yes, difficulty."

In some waves, questions about activities are skipped based on answers to previous questions. In Waves 1 and 2H, if a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the question about walking across a room is skipped. In these cases, RwWALKR is set to "0" for "no difficulty."

From Wave 3 forward, ADL questions are skipped if no difficulty was reported with any of the tasks asked about earlier. In these cases, Rw[adl] is set to "no difficulty." From Wave 4 forward, if difficulty with only one prior task and no difficulty with dressing was reported, the questions about the rest of the ADLs are skipped. In these cases, the rest of the Rw[adl] variables are also set to "no difficulty." The assumption is that, since the Respondent had no difficulty with the earlier activities, he/she would also have reported no difficulty to the activities in the skipped questions.

In Wave 2A and from Wave 3 forward, there are questions about getting help with all ADLs and about use of equipment for walking across a room and getting in and out of bed. The help variables are named Rw[adl]H, e.g., RwWALKRH and the equipment variables are named RwWALKRE and RwBEDE. These are coded "1" for yes, "0" for no, .D for "don't know", and .R for refusals. If the Respondent reported "no difficulty," the help question is skipped, and the help variable (e.g., RwWALKRH) is set to .S. The equipment question is asked regardless of the answer to the difficulty question. If the difficulty question is skipped because of previous answers, then both the help and equipment questions are also skipped and Rw[adl]H and RwWALKRE/RwBEDE are set to .S.

In Wave 2A, the question about getting help was asked before the one about difficulty and using equipment walking across a room. If Respondents answered "don't do" on the getting help question, then both the help and, if applicable, equipment variables, e.g., R2WALKRH and R2WALKRE, are set to "9." In other waves, the question about help is asked even if the response to whether any difficulty is "don't do." In Wave 7, for the help questions, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses, which are recoded to "2" and "9," respectively.

For all waves when the help question is asked, if Respondents answer "yes" to "getting help" and are missing Rw[adl], we set Rw[adl] to "yes."

In Wave 2H, the data needed to derive the help variables (R2[adl]H) and R2WALKRE/R2BEDE are not collected. R2[adl]H and R2WALKRE/R2BEDE are set to .Q to indicate that this information is not available for HRS Respondents in this wave.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are other versions of the Rw[adl] variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "some difficulty" (Rw[adl]A). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct R1[adl]A variables in Wave 1. Please see the description of the Rw[adl]A variables under "Activities of daily living (ADLs): Some difficulty" for this version. Rw[adl]A variables are used to construct a number of functional limitation indices, including an ADL summary index. Please see "ADL Summary" and "Other Summary Indices."

A third version of these variables are derived for Wave 1 only (R1[adl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "ADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1[adl]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[adl]A) solely due to measurement differences in the raw data. The R1[adl]W variables are not appropriate for comparison to the Rw[adl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The specific wording for the ADLs is: walk across a room, get in and out of bed without help, bathe or shower without help, eat without help, and dress without help.

In Wave 2H the ADL questions continue to be embedded among other activities as in Wave 1, but the question and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...? [IF YES] Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; and 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments so may be observed less frequently than in other waves, simply because of questionnaire differences. This does not appear to have a large impact among the ADLs. The specific wording for the ADLs is: walking across the room, getting in and out of bed without help, bathing or showering without help, eating without help, and dressing without help.

In Waves 1 and 2H, if the Respondent reported no difficulty with jogging a mile, walking several blocks, or walking one block, then the question about walking across the room is skipped.

In Wave 2A, the question asks:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you get help or have any difficulty doing each of the everyday activities. If you never do that activity, just tell me so. Does anyone ever help you ...? Yes, No or Don't do. [IF YES] Do you get help most of the time, some of the time, only occasionally?"

The exact wording for the ADLs in the help question is: get across a room; get in and out of bed; bathe or shower; dress, including putting on socks and shoes; eat, such as cutting up your food; and use the toilet, including getting up and

down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room?"

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a rail, cane, walker, wheelchair or lift to help you get in and out of bed?"

For walking across a room and getting in and out of bed: "(Even when someone helps you/Even when using the (EQUIPMENT)/Without any help or special equipment) do you have any difficulty [...]? Yes or No. [if YES] Is that a lot or a little difficulty?" The exact wording for the task is: walking across the room and getting in and out of bed.

For other ADLS: "Do you have any difficulty [...](even when someone helps you/without any help)? Yes or No. [if YES] Is that a lot or a little difficulty?" The exact wording for these tasks is: bathing, eating, dressing, and using the toilet.

Note that in Wave 2A, the question about getting help was asked before any difficulty and using equipment. If the Respondent answered "don't do" on the getting help question, then the questions on any difficulty and equipment are skipped. Note that there is no "Can't do" category.

From Wave 3 forward, the questions about ADLs are removed from the initial list of activities. If the Respondent has no difficulty with any of these activities then the questions about ADLs are skipped. Questions ask about ADLs ONLY if the Respondent reported difficulty with some activity on the initial list. The questions on ADLs ask:

"Here are a few more everyday activities. Please tell me if you have any difficulty with these because of a physical, mental, emotional or memory problem. Again exclude any difficulties you expect to last less than three months. Because of a health or memory problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply: yes, no, can't do, or don't do. The exact wording for the ADLs is: walking across a room; dressing, including putting on socks and shoes; bathing or showering; eating, such as cutting up your food; getting in and out of bed; and using the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room? Yes or No."

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a cane, walker or railing when getting in or out of bed? Yes or No."

Unless the Respondent reports having no difficulty with an ADL, then he/she is asked:

"Does anyone ever help you [...]? Yes or No." The exact wording for each of the ADLs is: get across a room, dress, bathe, eat, get in or out of bed, and use the toilet.

From Wave 4 forward, the question organization and wording are the same as in Wave 3, with one exception. If the first basic ADL, dressing, showed no difficulty, and among the prior tasks at most one difficulty was reported, the rest of the basic ADLs of walking across a room, bathing, eating, getting in/out of bed, and using the toilet were skipped.

In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the ADLs except help with dressing and eating.

For HRS Respondents in Waves 1 and 2H, the information for the equipment and help questions is not available.

For Wave 2H, R2WALKRE, R2BEDE, R2WALKRH, are set to .Q and only Wave 2A Respondents have non-missing values for these variables. Also not asked in Waves 1 and 2H are all the questions about using the toilet, so for Wave 2H, R2TOILT and R2TOILTH are set to .Q.

HRS Variables Used

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HRS 1992:
    V304            B4A:RUN OR JOG 1 MIL:IMP
    V305            B4B:WALK SEVERAL BLO:IMP
    V306            B4C:WALK 1 BLOCK    :IMP
    V307            B4D:WALK ACROSS A RO:IMP
    V310            B4G:IN/OUT BED UNAID:IMP
    V316            B4P:BATHE/SHOWR W/O :IMP
    V319            B4S:EAT W/O HELP    :IMP
    V320            B4T:DRESS W/O HELP  :IMP
AHEAD 1993:
    B768            E33. ADL WALK HELP EVER
    B770            E33b. WALK USE EQUIPMENT
    B773            E33e. WALK ANY DIFFICULTY
    B779            E35. ADL DRESS HELP EVER
    B781            E35b. DRESS ANY DIFFICULTY
    B787            E37. ADL BATHE HELP EVER
    B789            E37b. BATHE ANY DIFFICULTY
    B795            E39. ADL EAT GET HELP EVER
    B797            E39b. EAT DIFFICULTY
    B803            E41. ADL IN/OUT BED HELP EVER
    B808            E43. BED USE EQUIPMENT EVER
    B811            E43c. BED ANY DIFFICULTY
    B814            E44. ADL TOILET HELP EVER
    B816            E44b. TOILET ANY DIFFICULTY
HRS 1994:
    W306            B4.RUNNING/JOGGING 1 MIL
    W307            B4a.WALKING SEVERAL BLOC
    W308            B4b.WALKING ONE BLOCK
    W309            B4c.WALKING ACROSS A ROO
    W312            B4f.GETTING IN/OUT OF BE
    W318            B4n.BATHING/SHOWERING WI
    W321            B4r.EATING WITHOUT HELP
    W322            B4s.DRESSING WITHOUT HEL
AHEAD 1995:
    D1870           ADLCK.CKPT FOR SKIPPING ADL SERIES
    D1871           E72.WALK DIFF
    D1874           E72C.WALK EQUIPMENT
    D1877           E72F.ADL WALK HELP
    D1884           E73.DRESS DIFF
    D1887           E73F.ADL DRESS HELP
    D1894           E74.BATHING DIFF
    D1897           E74F.ADL BATHE HELP
    D1904           E75.EAT DIFF
    D1907           E75F.ADL EAT HELP
    D1914           E76.BED DIFF
    D1917           E76C.BED EQUIPMENT
    D1920           E76F.ADL BED HELP
    D1927           E77.TOILET DIFF
    D1930           E77F.ADL TOILET HELP
HRS 1996:
    E1894           ADLCK.CKPT FOR SKIPPING ADL SERIES
    E1895           E72.WALK DIFF
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    E1898           E72C.WALK EQUIPMENT
    E1901           E72F.ADL WALK HELP
    E1908           E73.DRESS DIFF
    E1911           E73F.ADL DRESS HELP
    E1918           E74.BATHING DIFF
    E1921           E74F.ADL BATHE HELP
    E1928           E75.EAT DIFF
    E1931           E75F.ADL EAT HELP
    E1938           E76.BED DIFF
    E1941           E76C.BED EQUIPMENT
    E1944           E76F.ADL BED HELP
    E1951           E77.TOILET DIFF
    E1954           E77F.ADL TOILET HELP
HRS 1998:
    F2421           E71.PICK DIME
    F2425           E73F.DRESS DIFF
    F2426           E73F.ADL DRESS HELP
    F2427           E72.WALK DIFF
    F2428           E72C.WALK EQUIPMENT
    F2431           E72.ADL WALK HELP
    F2444           E74.BATHING DIFF
    F2447           E74F.ADL BATHE HELP
    F2454           E75.EAT DIFF
    F2457           E75F.ADL EAT HELP
    F2464           E76.BED DIFF
    F2467           E76C.BED EQUIPMENT
    F2470           E76F.ADL BED HELP
    F2477           E77.TOILET DIFF
    F2480           E77F.ADL TOILET HELP
HRS 2000:
    G2719           E71.PICK DIME
    G2723           E73Y1.DRESS DIFF
    G2724           E73F.ADL DRESS HELP
    G2725           E72.WALK DIFF
    G2726           E72C.WALK EQUIPMENT
    G2729           E72Y1.ADL WALK HELP
    G2742           E74.BATHING DIFF
    G2745           E74F.ADL BATHE HELP
    G2752           E75.EAT DIFF
    G2755           E75F.ADL EAT HELP
    G2762           E76.BED DIFF
    G2765           E76C.BED EQUIPMENT
    G2768           E76F.ADL BED HELP
    G2775           E77.TOILET DIFF
    G2778           E77F.ADL TOILET HELP
HRS 2002:
    HG012           DIFFICULTY- PICKING UP DIME
    HG014           DIFFICULTY- DRESSING
    HG015           HELP W/DRESS
    HG016           DIFFICULTY WALKING
    HG017           WALK EQUIPMENT
    HG020           ADL WALK HELP
    HG021           DIFFICULTY BATHING
    HG022           ADL BATHE HELP
    HG023           DIFFICULTY EATING
    HG024           ADL EAT HELP
    HG025           DIFFICULTY GET IN/OUT BED
    HG026           BED EQUIPMENT
    HG029           ADL BED HELP
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    HG030           DIFFICULTY USING TOILET
    HG031           ADL TOILET HELP
HRS 2004:
    JG012           DIFFICULTY- PICKING UP DIME
    JG014           DIFFICULTY- DRESSING
    JG015           HELP W/DRESS
    JG016           DIFFICULTY WALKING
    JG017           WALK EQUIPMENT
    JG020           ADL WALK HELP
    JG021           DIFFICULTY BATHING
    JG022           ADL BATHE HELP
    JG023           DIFFICULTY EATING
    JG024           ADL EAT HELP
    JG025           DIFFICULTY GET IN/OUT BED
    JG026           BED EQUIPMENT
    JG029           ADL BED HELP
    JG030           DIFFICULTY USING TOILET
    JG031           ADL TOILET HELP
HRS 2006:
    KG012           DIFFICULTY- PICKING UP DIME
    KG014           DIFFICULTY- DRESSING
    KG015           HELP W/DRESS
    KG016           DIFFICULTY WALKING
    KG017           WALK EQUIPMENT
    KG020           ADL WALK HELP
    KG021           DIFFICULTY BATHING
    KG022           ADL BATHE HELP
    KG023           DIFFICULTY EATING
    KG024           ADL EAT HELP
    KG025           DIFFICULTY GET IN/OUT BED
    KG026           BED EQUIPMENT
    KG029           ADL BED HELP
    KG030           DIFFICULTY USING TOILET
    KG031           ADL TOILET HELP
HRS 2008:
    LG012           DIFFICULTY- PICKING UP DIME
    LG014           DIFFICULTY- DRESSING
    LG015           HELP W/DRESS
    LG016           DIFFICULTY WALKING
    LG017           WALK EQUIPMENT
    LG020           ADL WALK HELP
    LG021           DIFFICULTY BATHING
    LG022           ADL BATHE HELP
    LG023           DIFFICULTY EATING
    LG024           ADL EAT HELP
    LG025           DIFFICULTY GET IN/OUT BED
    LG026           BED EQUIPMENT
    LG029           ADL BED HELP
    LG030           DIFFICULTY USING TOILET
    LG031           ADL TOILET HELP
HRS 2010:
    MG012           DIFFICULTY- PICKING UP DIME
    MG014           DIFFICULTY- DRESSING
    MG015           HELP W/DRESS
    MG016           DIFFICULTY WALKING
    MG017           WALK EQUIPMENT
    MG020           ADL WALK HELP
    MG021           DIFFICULTY BATHING
    MG022           ADL BATHE HELP
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    MG023           DIFFICULTY EATING
    MG024           ADL EAT HELP
    MG025           DIFFICULTY GET IN/OUT BED
    MG026           BED EQUIPMENT
    MG029           ADL BED HELP
    MG030           DIFFICULTY USING TOILET
    MG031           ADL TOILET HELP
HRS 2012:
    NG012           DIFFICULTY- PICKING UP DIME
    NG014           DIFFICULTY- DRESSING
    NG015           HELP W/DRESS
    NG016           DIFFICULTY WALKING
    NG017           WALK EQUIPMENT
    NG020           ADL WALK HELP
    NG021           DIFFICULTY BATHING
    NG022           ADL BATHE HELP
    NG023           DIFFICULTY EATING
    NG024           ADL EAT HELP
    NG025           DIFFICULTY GET IN/OUT BED
    NG026           BED EQUIPMENT
    NG029           ADL BED HELP
    NG030           DIFFICULTY USING TOILET
    NG031           ADL TOILET HELP
HRS 2014:
    OG012           DIFFICULTY- PICKING UP DIME
    OG014           DIFFICULTY- DRESSING
    OG015           HELP W/DRESS
    OG016           DIFFICULTY WALKING
    OG017           WALK EQUIPMENT
    OG020           ADL WALK HELP
    OG021           DIFFICULTY BATHING
    OG022           ADL BATHE HELP
    OG023           DIFFICULTY EATING
    OG024           ADL EAT HELP
    OG025           DIFFICULTY GET IN/OUT BED
    OG026           BED EQUIPMENT
    OG029           ADL BED HELP
    OG030           DIFFICULTY USING TOILET
    OG031           ADL TOILET HELP
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Activities of daily living (ADLs): Some difficulty

Wave	Variable	Label	Type
2	R2WALKRA	R2WALKRA:W2 R Some Diff-Walk across room	Categ
3	R3WALKRA	R3WALKRA:W3 R Some Diff-Walk across room	Categ
4	R4WALKRA	R4WALKRA:W4 R Some Diff-Walk across room	Categ
5	R5WALKRA	R5WALKRA:W5 R Some Diff-Walk across room	Categ
6	R6WALKRA	R6WALKRA:W6 R Some Diff-Walk across room	Categ
7	R7WALKRA	R7WALKRA:W7 R Some Diff-Walk across room	Categ
8	R8WALKRA	R8WALKRA:W8 R Some Diff-Walk across room	Categ
9	R9WALKRA	R9WALKRA:W9 R Some Diff-Walk across room	Categ
10	R10WALKRA	R10WALKRA:W10 R Some Diff-Walk across room	Categ
11	R11WALKRA	R11WALKRA:W11 R Some Diff-Walk across room	Categ
12	R12WALKRA	R12WALKRA:W12 R Some Diff-Walk across room	Categ
2	S2WALKRA	S2WALKRA:W2 S Some Diff-Walk across room	Categ
3	S3WALKRA	S3WALKRA:W3 S Some Diff-Walk across room	Categ
4	S4WALKRA	S4WALKRA:W4 S Some Diff-Walk across room	Categ
5	S5WALKRA	S5WALKRA:W5 S Some Diff-Walk across room	Categ
6	S6WALKRA	S6WALKRA:W6 S Some Diff-Walk across room	Categ
7	S7WALKRA	S7WALKRA:W7 S Some Diff-Walk across room	Categ
8	S8WALKRA	S8WALKRA:W8 S Some Diff-Walk across room	Categ
9	S9WALKRA	S9WALKRA:W9 S Some Diff-Walk across room	Categ
10	S10WALKRA	S10WALKRA:W10 S Some Diff-Walk across room	Categ
11	S11WALKRA	S11WALKRA:W11 S Some Diff-Walk across room	Categ
12	S12WALKRA	S12WALKRA:W12 S Some Diff-Walk across room	Categ
2	R2DRESSA	R2DRESSA:W2 R Some Diff-Dressing	Categ
3	R3DRESSA	R3DRESSA:W3 R Some Diff-Dressing	Categ
4	R4DRESSA	R4DRESSA:W4 R Some Diff-Dressing	Categ
5	R5DRESSA	R5DRESSA:W5 R Some Diff-Dressing	Categ
6	R6DRESSA	R6DRESSA:W6 R Some Diff-Dressing	Categ
7	R7DRESSA	R7DRESSA:W7 R Some Diff-Dressing	Categ
8	R8DRESSA	R8DRESSA:W8 R Some Diff-Dressing	Categ
9	R9DRESSA	R9DRESSA:W9 R Some Diff-Dressing	Categ
10	R10DRESSA	R10DRESSA:W10 R Some Diff-Dressing	Categ
11	R11DRESSA	R11DRESSA:W11 R Some Diff-Dressing	Categ
12	R12DRESSA	R12DRESSA:W12 R Some Diff-Dressing	Categ
2	S2DRESSA	S2DRESSA:W2 S Some Diff-Dressing	Categ
3	S3DRESSA	S3DRESSA:W3 S Some Diff-Dressing	Categ
4	S4DRESSA	S4DRESSA:W4 S Some Diff-Dressing	Categ
5	S5DRESSA	S5DRESSA:W5 S Some Diff-Dressing	Categ
6	S6DRESSA	S6DRESSA:W6 S Some Diff-Dressing	Categ
7	S7DRESSA	S7DRESSA:W7 S Some Diff-Dressing	Categ
8	S8DRESSA	S8DRESSA:W8 S Some Diff-Dressing	Categ
9	S9DRESSA	S9DRESSA:W9 S Some Diff-Dressing	Categ
10	S10DRESSA	S10DRESSA:W10 S Some Diff-Dressing	Categ
11	S11DRESSA	S11DRESSA:W11 S Some Diff-Dressing	Categ
12	S12DRESSA	S12DRESSA:W12 S Some Diff-Dressing	Categ
2	R2BATHA	R2BATHA:W2 R Some Diff-Bathing, shower	Categ
3	R3BATHA	R3BATHA:W3 R Some Diff-Bathing, shower	Categ
4	R4BATHA	R4BATHA:W4 R Some Diff-Bathing, shower	Categ
5	R5BATHA	R5BATHA:W5 R Some Diff-Bathing, shower	Categ
6	R6BATHA	R6BATHA:W6 R Some Diff-Bathing, shower	Categ
7	R7BATHA	R7BATHA:W7 R Some Diff-Bathing, shower	Categ
8	R8BATHA	R8BATHA:W8 R Some Diff-Bathing, shower	Categ
9	R9BATHA	R9BATHA:W9 R Some Diff-Bathing, shower	Categ
10	R10BATHA	R10BATHA:W10 R Some Diff-Bathing, shower	Categ
11	R11BATHA	R11BATHA:W11 R Some Diff-Bathing, shower	Categ
12	R12BATHA	R12BATHA:W12 R Some Diff-Bathing, shower	Categ
2	S2BATHA	S2BATHA:W2 S Some Diff-Bathing, shower	Categ
3	S3BATHA	S3BATHA:W3 S Some Diff-Bathing, shower	Categ
4	S4BATHA	S4BATHA:W4 S Some Diff-Bathing, shower	Categ
5	S5BATHA	S5BATHA:W5 S Some Diff-Bathing, shower	Categ
6	S6BATHA	S6BATHA:W6 S Some Diff-Bathing, shower	Categ
7	S7BATHA	S7BATHA:W7 S Some Diff-Bathing, shower	Categ

8	S8BATHA	S8BATHA:W8 S Some Diff-Bathing, shower	Categ
9	S9BATHA	S9BATHA:W9 S Some Diff-Bathing, shower	Categ
10	S10BATHA	S10BATHA:W10 S Some Diff-Bathing, shower	Categ
11	S11BATHA	S11BATHA:W11 S Some Diff-Bathing, shower	Categ
12	S12BATHA	S12BATHA:W12 S Some Diff-Bathing, shower	Categ
2	R2EATA	R2EATA:W2 R Some Diff-Eating	Categ
3	R3EATA	R3EATA:W3 R Some Diff-Eating	Categ
4	R4EATA	R4EATA:W4 R Some Diff-Eating	Categ
5	R5EATA	R5EATA:W5 R Some Diff-Eating	Categ
6	R6EATA	R6EATA:W6 R Some Diff-Eating	Categ
7	R7EATA	R7EATA:W7 R Some Diff-Eating	Categ
8	R8EATA	R8EATA:W8 R Some Diff-Eating	Categ
9	R9EATA	R9EATA:W9 R Some Diff-Eating	Categ
10	R10EATA	R10EATA:W10 R Some Diff-Eating	Categ
11	R11EATA	R11EATA:W11 R Some Diff-Eating	Categ
12	R12EATA	R12EATA:W12 R Some Diff-Eating	Categ
2	S2EATA	S2EATA:W2 S Some Diff-Eating	Categ
3	S3EATA	S3EATA:W3 S Some Diff-Eating	Categ
4	S4EATA	S4EATA:W4 S Some Diff-Eating	Categ
5	S5EATA	S5EATA:W5 S Some Diff-Eating	Categ
6	S6EATA	S6EATA:W6 S Some Diff-Eating	Categ
7	S7EATA	S7EATA:W7 S Some Diff-Eating	Categ
8	S8EATA	S8EATA:W8 S Some Diff-Eating	Categ
9	S9EATA	S9EATA:W9 S Some Diff-Eating	Categ
10	S10EATA	S10EATA:W10 S Some Diff-Eating	Categ
11	S11EATA	S11EATA:W11 S Some Diff-Eating	Categ
12	S12EATA	S12EATA:W12 S Some Diff-Eating	Categ
2	R2BEDA	R2BEDA:W2 R Some Diff-Get in/out bed	Categ
3	R3BEDA	R3BEDA:W3 R Some Diff-Get in/out bed	Categ
4	R4BEDA	R4BEDA:W4 R Some Diff-Get in/out bed	Categ
5	R5BEDA	R5BEDA:W5 R Some Diff-Get in/out bed	Categ
6	R6BEDA	R6BEDA:W6 R Some Diff-Get in/out bed	Categ
7	R7BEDA	R7BEDA:W7 R Some Diff-Get in/out bed	Categ
8	R8BEDA	R8BEDA:W8 R Some Diff-Get in/out bed	Categ
9	R9BEDA	R9BEDA:W9 R Some Diff-Get in/out bed	Categ
10	R10BEDA	R10BEDA:W10 R Some Diff-Get in/out bed	Categ
11	R11BEDA	R11BEDA:W11 R Some Diff-Get in/out bed	Categ
12	R12BEDA	R12BEDA:W12 R Some Diff-Get in/out bed	Categ
2	S2BEDA	S2BEDA:W2 S Some Diff-Get in/out bed	Categ
3	S3BEDA	S3BEDA:W3 S Some Diff-Get in/out bed	Categ
4	S4BEDA	S4BEDA:W4 S Some Diff-Get in/out bed	Categ
5	S5BEDA	S5BEDA:W5 S Some Diff-Get in/out bed	Categ
6	S6BEDA	S6BEDA:W6 S Some Diff-Get in/out bed	Categ
7	S7BEDA	S7BEDA:W7 S Some Diff-Get in/out bed	Categ
8	S8BEDA	S8BEDA:W8 S Some Diff-Get in/out bed	Categ
9	S9BEDA	S9BEDA:W9 S Some Diff-Get in/out bed	Categ
10	S10BEDA	S10BEDA:W10 S Some Diff-Get in/out bed	Categ
11	S11BEDA	S11BEDA:W11 S Some Diff-Get in/out bed	Categ
12	S12BEDA	S12BEDA:W12 S Some Diff-Get in/out bed	Categ
2	R2TOILTA	R2TOILTA:W2 R Some Diff-Using the toilet	Categ
3	R3TOILTA	R3TOILTA:W3 R Some Diff-Using the toilet	Categ
4	R4TOILTA	R4TOILTA:W4 R Some Diff-Using the toilet	Categ
5	R5TOILTA	R5TOILTA:W5 R Some Diff-Using the toilet	Categ
6	R6TOILTA	R6TOILTA:W6 R Some Diff-Using the toilet	Categ
7	R7TOILTA	R7TOILTA:W7 R Some Diff-Using the toilet	Categ
8	R8TOILTA	R8TOILTA:W8 R Some Diff-Using the toilet	Categ
9	R9TOILTA	R9TOILTA:W9 R Some Diff-Using the toilet	Categ
10	R10TOILTA	R10TOILTA:W10 R Some Diff-Using the toilet	Categ
11	R11TOILTA	R11TOILTA:W11 R Some Diff-Using the toilet	Categ
12	R12TOILTA	R12TOILTA:W12 R Some Diff-Using the toilet	Categ
2	S2TOILTA	S2TOILTA:W2 S Some Diff-Using the toilet	Categ
3	S3TOILTA	S3TOILTA:W3 S Some Diff-Using the toilet	Categ
4	S4TOILTA	S4TOILTA:W4 S Some Diff-Using the toilet	Categ
5	S5TOILTA	S5TOILTA:W5 S Some Diff-Using the toilet	Categ
6	S6TOILTA	S6TOILTA:W6 S Some Diff-Using the toilet	Categ
7	S7TOILTA	S7TOILTA:W7 S Some Diff-Using the toilet	Categ

8	S8TOILTA	S8TOILTA:W8 S Some Diff-Using the toilet	Categ
9	S9TOILTA	S9TOILTA:W9 S Some Diff-Using the toilet	Categ
10	S10TOILTA	S10TOILTA:W10 S Some Diff-Using the toilet	Categ
11	S11TOILTA	S11TOILTA:W11 S Some Diff-Using the toilet	Categ
12	S12TOILTA	S12TOILTA:W12 S Some Diff-Using the toilet	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WALKRA	19266	0.07	0.25	0.0	1.0
R3WALKRA	17933	0.07	0.26	0.0	1.0
R4WALKRA	21341	0.07	0.26	0.0	1.0
R5WALKRA	19532	0.08	0.27	0.0	1.0
R6WALKRA	18143	0.08	0.28	0.0	1.0
R7WALKRA	20103	0.08	0.27	0.0	1.0
R8WALKRA	18445	0.08	0.28	0.0	1.0
R9WALKRA	17193	0.09	0.28	0.0	1.0
R10WALKRA	21890	0.08	0.27	0.0	1.0
R11WALKRA	20525	0.08	0.27	0.0	1.0
R12WALKRA	18715	0.09	0.28	0.0	1.0
S2WALKRA	12806	0.05	0.21	0.0	1.0
S3WALKRA	11892	0.05	0.22	0.0	1.0
S4WALKRA	13965	0.05	0.21	0.0	1.0
S5WALKRA	12720	0.05	0.22	0.0	1.0
S6WALKRA	11632	0.05	0.23	0.0	1.0
S7WALKRA	12966	0.05	0.22	0.0	1.0
S8WALKRA	11732	0.05	0.23	0.0	1.0
S9WALKRA	10639	0.05	0.22	0.0	1.0
S10WALKRA	13429	0.05	0.22	0.0	1.0
S11WALKRA	12479	0.06	0.23	0.0	1.0
S12WALKRA	11025	0.06	0.23	0.0	1.0
R2DRESSA	19628	0.05	0.23	0.0	1.0
R3DRESSA	17938	0.10	0.31	0.0	1.0
R4DRESSA	21352	0.10	0.30	0.0	1.0
R5DRESSA	19551	0.11	0.31	0.0	1.0
R6DRESSA	18152	0.11	0.31	0.0	1.0
R7DRESSA	20114	0.10	0.30	0.0	1.0
R8DRESSA	18453	0.11	0.31	0.0	1.0
R9DRESSA	17204	0.11	0.32	0.0	1.0
R10DRESSA	21897	0.12	0.32	0.0	1.0
R11DRESSA	20523	0.11	0.32	0.0	1.0
R12DRESSA	18723	0.12	0.33	0.0	1.0
S2DRESSA	13079	0.04	0.19	0.0	1.0
S3DRESSA	11896	0.08	0.27	0.0	1.0
S4DRESSA	13968	0.08	0.27	0.0	1.0
S5DRESSA	12722	0.08	0.28	0.0	1.0
S6DRESSA	11635	0.08	0.27	0.0	1.0
S7DRESSA	12970	0.08	0.26	0.0	1.0
S8DRESSA	11732	0.09	0.28	0.0	1.0
S9DRESSA	10643	0.08	0.28	0.0	1.0
S10DRESSA	13434	0.09	0.29	0.0	1.0
S11DRESSA	12480	0.09	0.28	0.0	1.0
S12DRESSA	11025	0.10	0.29	0.0	1.0

R2BATHA	19627	0.05	0.22	0.0	1.0
R3BATHA	17930	0.08	0.27	0.0	1.0
R4BATHA	21350	0.08	0.27	0.0	1.0
R5BATHA	19546	0.08	0.27	0.0	1.0
R6BATHA	18151	0.09	0.28	0.0	1.0
R7BATHA	20107	0.08	0.27	0.0	1.0
R8BATHA	18451	0.08	0.28	0.0	1.0
R9BATHA	17202	0.09	0.28	0.0	1.0
R10BATHA	21895	0.09	0.28	0.0	1.0
R11BATHA	20524	0.09	0.28	0.0	1.0
R12BATHA	18724	0.09	0.29	0.0	1.0
S2BATHA	13081	0.03	0.18	0.0	1.0
S3BATHA	11897	0.05	0.21	0.0	1.0
S4BATHA	13970	0.05	0.22	0.0	1.0
S5BATHA	12723	0.05	0.22	0.0	1.0
S6BATHA	11635	0.05	0.22	0.0	1.0
S7BATHA	12968	0.05	0.21	0.0	1.0
S8BATHA	11732	0.05	0.22	0.0	1.0
S9BATHA	10642	0.05	0.22	0.0	1.0
S10BATHA	13431	0.05	0.22	0.0	1.0
S11BATHA	12480	0.05	0.23	0.0	1.0
S12BATHA	11025	0.06	0.23	0.0	1.0
R2EATA	19635	0.01	0.11	0.0	1.0
R3EATA	17943	0.04	0.19	0.0	1.0
R4EATA	21345	0.04	0.19	0.0	1.0
R5EATA	19548	0.04	0.19	0.0	1.0
R6EATA	18144	0.04	0.20	0.0	1.0
R7EATA	20098	0.04	0.19	0.0	1.0
R8EATA	18445	0.04	0.20	0.0	1.0
R9EATA	17197	0.04	0.20	0.0	1.0
R10EATA	21881	0.04	0.20	0.0	1.0
R11EATA	20519	0.04	0.21	0.0	1.0
R12EATA	18714	0.05	0.21	0.0	1.0
S2EATA	13082	0.01	0.08	0.0	1.0
S3EATA	11899	0.03	0.16	0.0	1.0
S4EATA	13966	0.03	0.16	0.0	1.0
S5EATA	12722	0.02	0.15	0.0	1.0
S6EATA	11631	0.02	0.15	0.0	1.0
S7EATA	12968	0.02	0.15	0.0	1.0
S8EATA	11730	0.03	0.16	0.0	1.0
S9EATA	10640	0.02	0.15	0.0	1.0
S10EATA	13427	0.03	0.16	0.0	1.0
S11EATA	12479	0.03	0.17	0.0	1.0
S12EATA	11024	0.03	0.17	0.0	1.0
R2BEDA	19621	0.05	0.22	0.0	1.0
R3BEDA	17942	0.07	0.26	0.0	1.0
R4BEDA	21344	0.07	0.26	0.0	1.0
R5BEDA	19547	0.07	0.26	0.0	1.0
R6BEDA	18137	0.07	0.26	0.0	1.0
R7BEDA	20104	0.07	0.25	0.0	1.0
R8BEDA	18445	0.07	0.26	0.0	1.0
R9BEDA	17193	0.07	0.26	0.0	1.0
R10BEDA	21883	0.08	0.27	0.0	1.0
R11BEDA	20510	0.08	0.27	0.0	1.0

R12BEDA	18708	0.08	0.27	0.0	1.0
S2BEDA	13072	0.04	0.19	0.0	1.0
S3BEDA	11899	0.05	0.23	0.0	1.0
S4BEDA	13966	0.05	0.22	0.0	1.0
S5BEDA	12723	0.05	0.22	0.0	1.0
S6BEDA	11631	0.05	0.22	0.0	1.0
S7BEDA	12964	0.05	0.21	0.0	1.0
S8BEDA	11725	0.06	0.23	0.0	1.0
S9BEDA	10639	0.05	0.22	0.0	1.0
S10BEDA	13429	0.06	0.24	0.0	1.0
S11BEDA	12475	0.06	0.24	0.0	1.0
S12BEDA	11019	0.06	0.24	0.0	1.0
R2TOILTA	8218	0.04	0.19	0.0	1.0
R3TOILTA	17937	0.06	0.23	0.0	1.0
R4TOILTA	21334	0.06	0.24	0.0	1.0
R5TOILTA	19533	0.06	0.24	0.0	1.0
R6TOILTA	18128	0.06	0.25	0.0	1.0
R7TOILTA	20083	0.06	0.24	0.0	1.0
R8TOILTA	18428	0.07	0.26	0.0	1.0
R9TOILTA	17176	0.07	0.25	0.0	1.0
R10TOILTA	21866	0.07	0.25	0.0	1.0
R11TOILTA	20509	0.07	0.26	0.0	1.0
R12TOILTA	18696	0.07	0.26	0.0	1.0
S2TOILTA	4347	0.02	0.15	0.0	1.0
S3TOILTA	11897	0.04	0.19	0.0	1.0
S4TOILTA	13961	0.04	0.20	0.0	1.0
S5TOILTA	12719	0.04	0.21	0.0	1.0
S6TOILTA	11627	0.04	0.20	0.0	1.0
S7TOILTA	12958	0.04	0.19	0.0	1.0
S8TOILTA	11722	0.05	0.21	0.0	1.0
S9TOILTA	10638	0.04	0.20	0.0	1.0
S10TOILTA	13421	0.05	0.21	0.0	1.0
S11TOILTA	12471	0.05	0.21	0.0	1.0
S12TOILTA	11020	0.05	0.22	0.0	1.0

Categorical Variable Codes

Value	R2WALKRA	R3WALKRA	R4WALKRA	R5WALKRA	R6WALKRA	R7WALKRA
.D=DK/NA	353	2	1	3		1
.M=Oth missing	1					
.R=RF	1	2		3		1
.S=Skip		36	28	23	7	10
.X=Don't do	21	18	14	18	15	14
0.No	17954	16607	19789	18021	16630	18562
1.Yes	1312	1326	1552	1511	1513	1541

Value	R8WALKRA	R9WALKRA	R10WALKRA	R11WALKRA	R12WALKRA
.D=DK/NA	1	1	3	6	9
.R=RF	2	1	1	2	1
.S=Skip	7	9	131	18	16
.X=Don't do	14	13	9	3	7
0.No	16922	15719	20113	18845	17094
1.Yes	1523	1474	1777	1680	1621

Value	S2WALKRA	S3WALKRA	S4WALKRA	S5WALKRA	S6WALKRA	S7WALKRA
.D=DK/NA	268		1	1		1
.M=Oth missing	1					
.R=RF	1	1		2		1
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	12	11	5	2	4	3
0.No	12215	11310	13328	12070	11000	12326
1.Yes	591	582	637	650	632	640

Value	S8WALKRA	S9WALKRA	S10WALKRA	S11WALKRA	S12WALKRA
.D=DK/NA			1	4	3
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	2	5	4	1	
0.No	11100	10090	12716	11787	10400
1.Yes	632	549	713	692	625

Value	R2DRESSA	R3DRESSA	R4DRESSA	R5DRESSA	R6DRESSA	R7DRESSA
.D=DK/NA	2	2		3	4	3
.M=Oth missing	1	1				
.R=RF		1		1		1
.S=Skip		36	28	23	7	10
.X=Don't do	11	13	4	1	2	1
0.No	18574	16068	19160	17458	16216	18104
1.Yes	1054	1870	2192	2093	1936	2010

Value	R8DRESSA	R9DRESSA	R10DRESSA	R11DRESSA	R12DRESSA
.D=DK/NA	5		2	9	7
.R=RF	2		1	2	2
.S=Skip	7	9	131	18	16
.X=Don't do	2	4	3	2	
0.No	16398	15269	19328	18212	16412
1.Yes	2055	1935	2569	2311	2311

Value	S2DRESSA	S3DRESSA	S4DRESSA	S5DRESSA	S6DRESSA	S7DRESSA
.D=DK/NA				1	1	
.M=Oth missing	1					
.R=RF		1		1		1
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	8	7	3	1		
0.No	12603	10949	12855	11662	10705	11991
1.Yes	476	947	1113	1060	930	979

Value	S8DRESSA	S9DRESSA	S10DRESSA	S11DRESSA	S12DRESSA
.D=DK/NA	1			4	3
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	1	1			
0.No	10719	9762	12209	11419	9974
1.Yes	1013	881	1225	1061	1051

Value	R2BATHA	R3BATHA	R4BATHA	R5BATHA	R6BATHA	R7BATHA
.D=DK/NA	6	3	3	4	1	4
.M=Oth missing	1	1				
.R=RF		1				2
.S=Skip		36	28	23	7	10
.X=Don't do	8	20	3	6	6	6
0.No	18642	16562	19595	17936	16608	18514
1.Yes	985	1368	1755	1610	1543	1593

Value	R8BATHA	R9BATHA	R10BATHA	R11BATHA	R12BATHA
.D=DK/NA	2	1	4	7	6
.R=RF	2		1	2	
.S=Skip	7	9	131	18	16
.X=Don't do	7	5	3	3	2
0.No	16929	15711	20028	18736	16998
1.Yes	1522	1491	1867	1788	1726

Value	S2BATHA	S3BATHA	S4BATHA	S5BATHA	S6BATHA	S7BATHA
.D=DK/NA	3		1	1		
.M=Oth missing	1					
.R=RF		1				2
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	3	6		1	1	1
0.No	12651	11336	13243	12087	11048	12352
1.Yes	430	561	727	636	587	616

Value	S8BATHA	S9BATHA	S10BATHA	S11BATHA	S12BATHA
.D=DK/NA	1		1	2	3
.R=RF				1	
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	1	2	2	1	
0.No	11141	10107	12716	11802	10392
1.Yes	591	535	715	678	633

Value	R2EATA	R3EATA	R4EATA	R5EATA	R6EATA	R7EATA
.D=DK/NA	1	2	2	1	3	8
.M=Oth missing	1					
.R=RF	1	1				
.S=Skip		36	28	23	7	10
.X=Don't do	4	9	9	7	11	13
0.No	19410	17260	20529	18805	17405	19340
1.Yes	225	683	816	743	739	758

Value	R8EATA	R9EATA	R10EATA	R11EATA	R12EATA
.D=DK/NA	2	2	5	1	6
.R=RF	3		1	1	2
.S=Skip	7	9	131	18	16
.X=Don't do	12	9	16	15	10
0.No	17662	16483	20941	19617	17843
1.Yes	783	714	940	902	871

Value	S2EATA	S3EATA	S4EATA	S5EATA	S6EATA	S7EATA
.D=DK/NA	1		2		2	
.M=Oth missing	1					
.R=RF	1	1				
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	3	4	3	3	3	3
0.No	12989	11597	13608	12413	11346	12670
1.Yes	93	302	358	309	285	298

Value	S8EATA	S9EATA	S10EATA	S11EATA	S12EATA
.D=DK/NA		1	2	1	2
.R=RF	1				1
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	3	3	5	4	1
0.No	11414	10388	13057	12104	10686
1.Yes	316	252	370	375	338

Value	R2BEDA	R3BEDA	R4BEDA	R5BEDA	R6BEDA	R7BEDA
.D=DK/NA	7	3	4	4	2	2
.M=Oth missing	1					
.R=RF	2	1				
.S=Skip		36	28	23	7	10
.X=Don't do	11	9	8	5	19	13
0.No	18622	16599	19783	18150	16840	18773
1.Yes	999	1343	1561	1397	1297	1331

Value	R8BEDA	R9BEDA	R10BEDA	R11BEDA	R12BEDA
.D=DK/NA	3	2	6	9	11
.R=RF	3		1	2	1
.S=Skip	7	9	131	18	16
.X=Don't do	11	13	13	15	12
0.No	17080	15949	20149	18871	17170
1.Yes	1365	1244	1734	1639	1538

Value	S2BEDA	S3BEDA	S4BEDA	S5BEDA	S6BEDA	S7BEDA
.D=DK/NA	4		2	1	1	
.M=Oth missing	1					
.R=RF	2	1				
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	9	4	3	1	4	7
0.No	12557	11258	13220	12057	11053	12366
1.Yes	515	641	746	666	578	598

Value	S8BEDA	S9BEDA	S10BEDA	S11BEDA	S12BEDA
.D=DK/NA	1		1	4	5
.R=RF	1			1	
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	7	5	4	4	4
0.No	11072	10122	12641	11728	10352
1.Yes	653	517	788	747	667

Value	R2TOILTA	R3TOILTA	R4TOILTA	R5TOILTA	R6TOILTA	R7TOILTA
.D=DK/NA	2	2	6	7	5	4
.M=Oth missing	1					
.Q=Not asked this wv	11420					
.R=RF	1	1	1		1	1
.S=Skip		36	28	23	7	10
.X=Don't do		15	15	16	24	31
0.No	7925	16886	20015	18300	16962	18890
1.Yes	293	1051	1319	1233	1166	1193

Value	R8TOILTA	R9TOILTA	R10TOILTA	R11TOILTA	R12TOILTA
.D=DK/NA	2	3	13	3	12
.R=RF	4		2	2	1
.S=Skip	7	9	131	18	16
.X=Don't do	28	29	22	22	23
0.No	17115	16005	20351	19070	17325
1.Yes	1313	1171	1515	1439	1371

Value	S2TOILTA	S3TOILTA	S4TOILTA	S5TOILTA	S6TOILTA	S7TOILTA
.D=DK/NA	1		2		3	1
.M=Oth missing	1					
.Q=Not asked this wv	9123					
.R=RF		1	1		1	1
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=Don't do		6	7	6	5	11
0.No	4243	11442	13359	12154	11150	12462
1.Yes	104	455	602	565	477	496

Value	S8TOILTA	S9TOILTA	S10TOILTA	S11TOILTA	S12TOILTA
.D=DK/NA	1		4	1	2
.R=RF	2		1		
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	9	6	8	12	6
0.No	11167	10174	12817	11893	10474
1.Yes	555	464	604	578	546

How Constructed

These variables recode raw data about difficulty with activities of daily living (ADLs) as yes/no dummy variables, where "1" means some difficulty and "0" means not. The ADLs include walking across a room (RwWALKRA), dressing (RwDRESSA), bathing (RwBATHA), eating (RwEATA), getting in and out of bed (RwBEDA), and using the toilet (RwTOILTA). In the following, references to Rw[adl]A apply to all these variables. Note that questions about using the toilet were not asked in Wave 2H. For HRS Respondents in Wave 2H, R2TOILTA is set to .Q (question not asked).

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In addition the criteria used for skipping some questions changed between Wave 3 and later waves, which may also influence the consistency of measurement before Wave 4 for all ADLs except dressing.

The variable derivations for some difficulty with ADLs(Rw[adl]A) vary across waves because the question and responses can vary across waves. In Wave 2, if a Respondent answers "yes" to the first question ("Do you have any difficulty with

...") Rw[adl]A is set to "1" for "some difficulty," regardless of how much difficulty the Respondent says he/she has in the follow-up question. From Wave 3 forward, if a Respondent answers "yes" or "can't do" to the "any difficulty" question, Rw[adl]A is set to "1" for "some difficulty."

In all waves, if the Respondent answers "no" to the any difficulty question, Rw[adl]A is set to zero. A "don't do" response is recoded to missing value .X, since the Respondent hasn't revealed whether he/she would have difficulty with the activity if he/she ever did it. If the response is "don't know" or "refuse," Rw[adl]A is set to special missing codes .D or .R, respectively.

In some waves, questions about activities are skipped based on answers to previous questions. In Wave 2H, if a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the question about walking across a room is skipped. In these cases, R2WALKRA is set to "0" for "no difficulty." This does not apply to Wave 2A.

From Wave 3 forward, ADL questions are skipped if no difficulty was reported with any of the tasks asked about earlier. In these cases, Rw[adl]A is set to "no difficulty." From Wave 4 forward, if difficulty with only one prior task and no difficulty with dressing was reported, the questions about the rest of the ADLs are skipped. In these cases, the rest of the Rw[adl]A variables are also set to "no difficulty." The assumption is that, since the Respondent had no difficulty with the earlier activities, he/she would also have reported no difficulty to the activities in the skipped questions.

In Wave 2A and from Wave 3 forward, there are questions about getting help with all ADLs. For waves when the help question is asked, we set Rw[adl]A to "yes" if Respondents answer "yes" to getting help and are missing Rw[adl]A, i.e., the response to the any difficulty question is "don't do," "don't know," or "refuse." A "can't do" response would have already been coded as "yes."

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of these variables are used to construct a number of functional limitation indices, including an ADL summary index. Please see "ADL Summary" and "Other Summary Indices."

Another version of these variables simply recode the raw HRS variables. Please see the description of the Rw[adl] variables under "Activities of Daily Living (ADLs): Raw recodes" for this version.

A third version of ADL variables are derived for Wave 1 only (R1[adl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "ADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1[adl]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes described here for other waves (Rw[adl]A) solely due to measurement differences in the raw data. The R1[adl]W variables are not appropriate for comparison to the Rwadl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "Don't do" response. The specific wording for the ADLs is: walk across a room, get in and out of bed without help, bathe or shower without help, eat without help, and dress without help.

In Wave 2H the ADL questions continue to be embedded among other activities as in Wave 1 but the question and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...? [IF YES] Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so may be observed less frequently than in other waves, simply because of questionnaire differences. This does not appear to have a large impact among the ADLs. The specific wording for the ADLs is: walking across the room, getting in and out of bed without help, bathing or showering without help, eating without help, and dressing without help.

In Waves 1 and 2H, if the Respondent reported no difficulty with jogging a mile, walking several blocks, or walking one block, then the question about walking across the room is skipped.

In Wave 2A, the question asks:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you get help or have any difficulty doing each of the everyday activities. If you never do that activity, just tell me so. Does anyone ever help you ...? Yes, No or Don't do. [IF YES] Do you get help most of the time, some of the time, only occasionally?"

The exact wording for the ADLs in the help question is: get across a room; get in and out of bed; bathe or shower; dress, including putting on socks and shoes; eat, such as cutting up your food; and use the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room?"

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a rail, cane, walker, wheelchair or lift to help you get in and out of bed?"

For walking across a room and getting in and out of bed: "(Even when someone helps you/Even when using the (EQUIPMENT)/Without any help or special equipment) do you have any difficulty [...]? Yes or No. [if YES] Is that a lot or a little difficulty? The exact wording for the task is: walking across the room and getting in and out of bed."

For other ADLS: "Do you have any difficulty [...](even when someone helps you/without any help)? Yes or No. [if YES] Is that a lot or a little difficulty? The exact wording for these tasks is: bathing, eating, dressing, and using the toilet."

Note that in Wave 2A, the question about getting help was asked before any difficulty and using equipment. So if

the Respondent answered "don't do" on the getting help question, then the questions on any difficulty and equipment are skipped. Note that there is no "Can't do" category.

From Wave 3 forward, the questions about ADLs are removed from the initial list of activities. If the Respondent has no difficulty with any of these activities then the questions about ADLs are skipped. Questions ask about ADLs ONLY if the Respondent reported difficulty with some activity on the initial list. The questions on ADLs ask:

"Here are a few more everyday activities. Please tell me if you have any difficulty with these because of a physical, mental, emotional or memory problem. Again exclude any difficulties you expect to last less than three months. Because of a health or memory problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply "yes," "no," "can't do," or "don't do. The exact wording for the ADLs is: walking across a room; dressing, including putting on socks and shoes; bathing or showering; eating, such as cutting up your food; getting in and out of bed; and using the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room? Yes or No."

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a cane, walker or railing when getting in or out of bed? Yes or No."

Unless the Respondent reports having no difficulty with an ADL then he/she is asked:

"Does anyone ever help you [...]? Yes or No." The exact wording for each of the ADLs is: get across a room, dress, bathe, eat, get in or out of bed, and use the toilet.

From Wave 4 forward, the question organization and wording are the same as in Wave 3, with one exception. If the first basic ADL, dressing, showed no difficulty, and among the prior tasks at most one difficulty was reported, the rest of the basic ADLs of walking across a room, bathing, eating, getting in/out of bed, and using the toilet were skipped.

In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the ADLs except help with dressing and eating.

In Waves 1 and 2H, questions about using the toilet are not asked, so for Wave 2H, R2TOILTA is set to .Q.

HRS Variables Used

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AHEAD 1993:
    B768            E33. ADL WALK HELP EVER
    B770            E33b. WALK USE EQUIPMENT
    B773            E33e. WALK ANY DIFFICULTY
    B779            E35. ADL DRESS HELP EVER
    B781            E35b. DRESS ANY DIFFICULTY
    B787            E37. ADL BATHE HELP EVER
    B789            E37b. BATHE ANY DIFFICULTY
    B795            E39. ADL EAT GET HELP EVER
    B797            E39b. EAT DIFFICULTY
    B803            E41. ADL IN/OUT BED HELP EVER
    B808            E43. BED USE EQUIPMENT EVER
    B811            E43c. BED ANY DIFFICULTY
    B814            E44. ADL TOILET HELP EVER
    B816            E44b. TOILET ANY DIFFICULTY
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HRS 1994:
    W306            B4.RUNNING/JOGGING 1 MIL
    W307            B4a.WALKING SEVERAL BLOC
    W308            B4b.WALKING ONE BLOCK
    W309            B4c.WALKING ACROSS A ROO
    W312            B4f.GETTING IN/OUT OF BE
    W318            B4n.BATHING/SHOWERING WI
    W321            B4r.EATING WITHOUT HELP
    W322            B4s.DRESSING WITHOUT HEL
AHEAD 1995:
    D1870           ADLCK.CKPT FOR SKIPPING ADL SERIES
    D1871           E72.WALK DIFF
    D1874           E72C.WALK EQUIPMENT
    D1877           E72F.ADL WALK HELP
    D1884           E73.DRESS DIFF
    D1887           E73F.ADL DRESS HELP
    D1894           E74.BATHING DIFF
    D1897           E74F.ADL BATHE HELP
    D1904           E75.EAT DIFF
    D1907           E75F.ADL EAT HELP
    D1914           E76.BED DIFF
    D1917           E76C.BED EQUIPMENT
    D1920           E76F.ADL BED HELP
    D1927           E77.TOILET DIFF
    D1930           E77F.ADL TOILET HELP
HRS 1996:
    E1894           ADLCK.CKPT FOR SKIPPING ADL SERIES
    E1895           E72.WALK DIFF
    E1898           E72C.WALK EQUIPMENT
    E1901           E72F.ADL WALK HELP
    E1908           E73.DRESS DIFF
    E1911           E73F.ADL DRESS HELP
    E1918           E74.BATHING DIFF
    E1921           E74F.ADL BATHE HELP
    E1928           E75.EAT DIFF
    E1931           E75F.ADL EAT HELP
    E1938           E76.BED DIFF
    E1941           E76C.BED EQUIPMENT
    E1944           E76F.ADL BED HELP
    E1951           E77.TOILET DIFF
    E1954           E77F.ADL TOILET HELP
HRS 1998:
    F2421           E71.PICK DIME
    F2425           E73F.DRESS DIFF
    F2426           E73F.ADL DRESS HELP
    F2427           E72.WALK DIFF
    F2428           E72C.WALK EQUIPMENT
    F2431           E72.ADL WALK HELP
    F2444           E74.BATHING DIFF
    F2447           E74F.ADL BATHE HELP
    F2454           E75.EAT DIFF
    F2457           E75F.ADL EAT HELP
    F2464           E76.BED DIFF
    F2467           E76C.BED EQUIPMENT
    F2470           E76F.ADL BED HELP
    F2477           E77.TOILET DIFF
    F2480           E77F.ADL TOILET HELP
HRS 2000:
    G2719           E71.PICK DIME
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    G2723           E73Y1.DRESS DIFF
    G2724           E73F.ADL DRESS HELP
    G2725           E72.WALK DIFF
    G2726           E72C.WALK EQUIPMENT
    G2729           E72Y1.ADL WALK HELP
    G2742           E74.BATHING DIFF
    G2745           E74F.ADL BATHE HELP
    G2752           E75.EAT DIFF
    G2755           E75F.ADL EAT HELP
    G2762           E76.BED DIFF
    G2765           E76C.BED EQUIPMENT
    G2768           E76F.ADL BED HELP
    G2775           E77.TOILET DIFF
    G2778           E77F.ADL TOILET HELP
HRS 2002:
    HG012           DIFFICULTY- PICKING UP DIME
    HG014           DIFFICULTY- DRESSING
    HG015           HELP W/DRESS
    HG016           DIFFICULTY WALKING
    HG017           WALK EQUIPMENT
    HG020           ADL WALK HELP
    HG021           DIFFICULTY BATHING
    HG022           ADL BATHE HELP
    HG023           DIFFICULTY EATING
    HG024           ADL EAT HELP
    HG025           DIFFICULTY GET IN/OUT BED
    HG026           BED EQUIPMENT
    HG029           ADL BED HELP
    HG030           DIFFICULTY USING TOILET
    HG031           ADL TOILET HELP
HRS 2004:
    JG012           DIFFICULTY- PICKING UP DIME
    JG014           DIFFICULTY- DRESSING
    JG015           HELP W/DRESS
    JG016           DIFFICULTY WALKING
    JG017           WALK EQUIPMENT
    JG020           ADL WALK HELP
    JG021           DIFFICULTY BATHING
    JG022           ADL BATHE HELP
    JG023           DIFFICULTY EATING
    JG024           ADL EAT HELP
    JG025           DIFFICULTY GET IN/OUT BED
    JG026           BED EQUIPMENT
    JG029           ADL BED HELP
    JG030           DIFFICULTY USING TOILET
    JG031           ADL TOILET HELP
HRS 2006:
    KG012           DIFFICULTY- PICKING UP DIME
    KG014           DIFFICULTY- DRESSING
    KG015           HELP W/DRESS
    KG016           DIFFICULTY WALKING
    KG017           WALK EQUIPMENT
    KG020           ADL WALK HELP
    KG021           DIFFICULTY BATHING
    KG022           ADL BATHE HELP
    KG023           DIFFICULTY EATING
    KG024           ADL EAT HELP
    KG025           DIFFICULTY GET IN/OUT BED
    KG026           BED EQUIPMENT
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    KG029           ADL BED HELP
    KG030           DIFFICULTY USING TOILET
    KG031           ADL TOILET HELP
HRS 2008:
    LG012           DIFFICULTY- PICKING UP DIME
    LG014           DIFFICULTY- DRESSING
    LG015           HELP W/DRESS
    LG016           DIFFICULTY WALKING
    LG017           WALK EQUIPMENT
    LG020           ADL WALK HELP
    LG021           DIFFICULTY BATHING
    LG022           ADL BATHE HELP
    LG023           DIFFICULTY EATING
    LG024           ADL EAT HELP
    LG025           DIFFICULTY GET IN/OUT BED
    LG026           BED EQUIPMENT
    LG029           ADL BED HELP
    LG030           DIFFICULTY USING TOILET
    LG031           ADL TOILET HELP
HRS 2010:
    MG012           DIFFICULTY- PICKING UP DIME
    MG014           DIFFICULTY- DRESSING
    MG015           HELP W/DRESS
    MG016           DIFFICULTY WALKING
    MG017           WALK EQUIPMENT
    MG020           ADL WALK HELP
    MG021           DIFFICULTY BATHING
    MG022           ADL BATHE HELP
    MG023           DIFFICULTY EATING
    MG024           ADL EAT HELP
    MG025           DIFFICULTY GET IN/OUT BED
    MG026           BED EQUIPMENT
    MG029           ADL BED HELP
    MG030           DIFFICULTY USING TOILET
    MG031           ADL TOILET HELP
HRS 2012:
    NG012           DIFFICULTY- PICKING UP DIME
    NG014           DIFFICULTY- DRESSING
    NG015           HELP W/DRESS
    NG016           DIFFICULTY WALKING
    NG017           WALK EQUIPMENT
    NG020           ADL WALK HELP
    NG021           DIFFICULTY BATHING
    NG022           ADL BATHE HELP
    NG023           DIFFICULTY EATING
    NG024           ADL EAT HELP
    NG025           DIFFICULTY GET IN/OUT BED
    NG026           BED EQUIPMENT
    NG029           ADL BED HELP
    NG030           DIFFICULTY USING TOILET
    NG031           ADL TOILET HELP
HRS 2014:
    OG012           DIFFICULTY- PICKING UP DIME
    OG014           DIFFICULTY- DRESSING
    OG015           HELP W/DRESS
    OG016           DIFFICULTY WALKING
    OG017           WALK EQUIPMENT
    OG020           ADL WALK HELP
    OG021           DIFFICULTY BATHING
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OG022	ADL BATHE HELP
OG023	DIFFICULTY EATING
OG024	ADL EAT HELP
OG025	DIFFICULTY GET IN/OUT BED
OG026	BED EQUIPMENT
OG029	ADL BED HELP
OG030	DIFFICULTY USING TOILET
OG031	ADL TOILET HELP

Activities of daily living (ADLs): Recodes for comparison to Wallace and Herzog

Wave	Variable	Label	Type
1	R1WALKRW	R1WALKRW:W1 R Any Diff-Walk across room	Categ
1	S1WALKRW	S1WALKRW:W1 S Any Diff-Walk across room	Categ
1	R1DRESSW	R1DRESSW:W1 R Any Diff-Dressing	Categ
1	S1DRESSW	S1DRESSW:W1 S Any Diff-Dressing	Categ
1	R1BATHW	R1BATHW:W1 R Any Diff-Bathing, shower	Categ
1	S1BATHW	S1BATHW:W1 S Any Diff-Bathing, shower	Categ
1	R1EATW	R1EATW:W1 R Any Diff-Eating	Categ
1	S1EATW	S1EATW:W1 S Any Diff-Eating	Categ
1	R1BEDW	R1BEDW:W1 R Any Diff-Get in/out of bed	Categ
1	S1BEDW	S1BEDW:W1 S Any Diff-Get in/out of bed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKRW	12636	0.04	0.20	0.0	1.0
S1WALKRW	9886	0.04	0.19	0.0	1.0
R1DRESSW	12645	0.03	0.17	0.0	1.0
S1DRESSW	9895	0.02	0.15	0.0	1.0
R1BATHW	12639	0.04	0.21	0.0	1.0
S1BATHW	9892	0.03	0.18	0.0	1.0
R1EATW	12647	0.01	0.10	0.0	1.0
S1EATW	9896	0.01	0.09	0.0	1.0
R1BEDW	12642	0.08	0.27	0.0	1.0
S1BEDW	9893	0.07	0.25	0.0	1.0

Categorical Variable Codes

Value	R1WALKRW
.X=Don't do	16
0.No	12102
1.Yes	534

Value	S1WALKRW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	14
0.No	9533
1.Yes	353

Value	R1DRESSW
.X=Don't do	7
0.No	12278
1.Yes	367

Value	S1DRESSW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	5
0.No	9655
1.Yes	240

Value	R1BATHW
.X=Don't do	13
0.No	12081
1.Yes	558

Value	S1BATHW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	8
0.No	9555
1.Yes	337

Value	R1EATW
.X=Don't do	5
0.No	12529
1.Yes	118

Value	S1EATW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	4
0.No	9819
1.Yes	77

Value	R1BEDW
.X=Don't do	10
0.No	11672
1.Yes	970

Value	S1BEDW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	7
0.No	9235
1.Yes	658

How Constructed

These ADL variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the ADL variables to 1 for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult" or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

If a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the RwWALKRW variable is set to "0" for "no difficulty."

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of these (RwWALKR, RwDRESS, RwEAT, RwBED, RwBATH) under "Activities of Daily Living (ADLs): Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these (RwWALKRA, RwDRESSA, RwEATA, RwBEDA, RwBATHA) under "Activities of Daily Living (ADLs): Some difficulty."

Some of the Wallace and Herzog indices are also derived and include some of these measures in creating an index. Please see "ADL Summary" and "Other Summary Indices."

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "Don't do" response.

In subsequent waves, there is a question that simply asks if the Respondent has any difficulty with a particular activity. The question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

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HRS 1992:
    V307            B4D:WALK ACROSS A RO:IMP
    V310            B4G:IN/OUT BED UNAID:IMP
    V316            B4P:BATHE/SHOWR W/O :IMP
    V319            B4S:EAT W/O HELP    :IMP
    V320            B4T:DRESS W/O HELP  :IMP
```

Instrumental activities of daily living (IADLs): Raw recodes

Wave	Variable	Label	Type
1	R1MAP	R1MAP:W1 R Diff-Use a map	Categ
2	R2MAP	R2MAP:W2 R Diff-Use a map	Categ
3	R3MAP	R3MAP:W3 R Diff-Use a map	Categ
4	R4MAP	R4MAP:W4 R Diff-Use a map	Categ
5	R5MAP	R5MAP:W5 R Diff-Use a map	Categ
6	R6MAP	R6MAP:W6 R Diff-Use a map	Categ
7	R7MAP	R7MAP:W7 R Diff-Use a map	Categ
8	R8MAP	R8MAP:W8 R Diff-Use a map	Categ
9	R9MAP	R9MAP:W9 R Diff-Use a map	Categ
10	R10MAP	R10MAP:W10 R Diff-Use a map	Categ
11	R11MAP	R11MAP:W11 R Diff-Use a map	Categ
12	R12MAP	R12MAP:W12 R Diff-Use a map	Categ
1	S1MAP	S1MAP:W1 S Diff-Use a map	Categ
2	S2MAP	S2MAP:W2 S Diff-Use a map	Categ
3	S3MAP	S3MAP:W3 S Diff-Use a map	Categ
4	S4MAP	S4MAP:W4 S Diff-Use a map	Categ
5	S5MAP	S5MAP:W5 S Diff-Use a map	Categ
6	S6MAP	S6MAP:W6 S Diff-Use a map	Categ
7	S7MAP	S7MAP:W7 S Diff-Use a map	Categ
8	S8MAP	S8MAP:W8 S Diff-Use a map	Categ
9	S9MAP	S9MAP:W9 S Diff-Use a map	Categ
10	S10MAP	S10MAP:W10 S Diff-Use a map	Categ
11	S11MAP	S11MAP:W11 S Diff-Use a map	Categ
12	S12MAP	S12MAP:W12 S Diff-Use a map	Categ
1	R1CALC	R1CALC:W1 R Diff-Use a calculator	Categ
2	R2CALC	R2CALC:W2 R Diff-Use a calculator	Categ
1	S1CALC	S1CALC:W1 S Diff-Use a calculator	Categ
2	S2CALC	S2CALC:W2 S Diff-Use a calculator	Categ
1	R1MCWV	R1MCWV:W1 R Diff-Use a microwave	Categ
1	S1MCWV	S1MCWV:W1 S Diff-Use a microwave	Categ
1	R1COMP	R1COMP:W1 R Diff-Use a computer	Categ
1	S1COMP	S1COMP:W1 S Diff-Use a computer	Categ
2	R2PHONE	R2PHONE:W2 R Diff-Use telephone	Categ
3	R3PHONE	R3PHONE:W3 R Diff-Use telephone	Categ
4	R4PHONE	R4PHONE:W4 R Diff-Use telephone	Categ
5	R5PHONE	R5PHONE:W5 R Diff-Use telephone	Categ
6	R6PHONE	R6PHONE:W6 R Diff-Use telephone	Categ
7	R7PHONE	R7PHONE:W7 R Diff-Use telephone	Categ
8	R8PHONE	R8PHONE:W8 R Diff-Use telephone	Categ
9	R9PHONE	R9PHONE:W9 R Diff-Use telephone	Categ
10	R10PHONE	R10PHONE:W10 R Diff-Use telephone	Categ
11	R11PHONE	R11PHONE:W11 R Diff-Use telephone	Categ
12	R12PHONE	R12PHONE:W12 R Diff-Use telephone	Categ
2	S2PHONE	S2PHONE:W2 S Diff-Use telephone	Categ
3	S3PHONE	S3PHONE:W3 S Diff-Use telephone	Categ
4	S4PHONE	S4PHONE:W4 S Diff-Use telephone	Categ
5	S5PHONE	S5PHONE:W5 S Diff-Use telephone	Categ
6	S6PHONE	S6PHONE:W6 S Diff-Use telephone	Categ
7	S7PHONE	S7PHONE:W7 S Diff-Use telephone	Categ
8	S8PHONE	S8PHONE:W8 S Diff-Use telephone	Categ
9	S9PHONE	S9PHONE:W9 S Diff-Use telephone	Categ
10	S10PHONE	S10PHONE:W10 S Diff-Use telephone	Categ
11	S11PHONE	S11PHONE:W11 S Diff-Use telephone	Categ
12	S12PHONE	S12PHONE:W12 S Diff-Use telephone	Categ
2	R2PHONER	R2PHONER:W2 R Diff-Use telephone	Categ

2	S2PHONER	S2PHONER:W2 S Diff-Use telephone	Categ
2	R2MONEY	R2MONEY:W2 R Diff-Managing money	Categ
3	R3MONEY	R3MONEY:W3 R Diff-Managing money	Categ
4	R4MONEY	R4MONEY:W4 R Diff-Managing money	Categ
5	R5MONEY	R5MONEY:W5 R Diff-Managing money	Categ
6	R6MONEY	R6MONEY:W6 R Diff-Managing money	Categ
7	R7MONEY	R7MONEY:W7 R Diff-Managing money	Categ
8	R8MONEY	R8MONEY:W8 R Diff-Managing money	Categ
9	R9MONEY	R9MONEY:W9 R Diff-Managing money	Categ
10	R10MONEY	R10MONEY:W10 R Diff-Managing money	Categ
11	R11MONEY	R11MONEY:W11 R Diff-Managing money	Categ
12	R12MONEY	R12MONEY:W12 R Diff-Managing money	Categ
2	S2MONEY	S2MONEY:W2 S Diff-Managing money	Categ
3	S3MONEY	S3MONEY:W3 S Diff-Managing money	Categ
4	S4MONEY	S4MONEY:W4 S Diff-Managing money	Categ
5	S5MONEY	S5MONEY:W5 S Diff-Managing money	Categ
6	S6MONEY	S6MONEY:W6 S Diff-Managing money	Categ
7	S7MONEY	S7MONEY:W7 S Diff-Managing money	Categ
8	S8MONEY	S8MONEY:W8 S Diff-Managing money	Categ
9	S9MONEY	S9MONEY:W9 S Diff-Managing money	Categ
10	S10MONEY	S10MONEY:W10 S Diff-Managing money	Categ
11	S11MONEY	S11MONEY:W11 S Diff-Managing money	Categ
12	S12MONEY	S12MONEY:W12 S Diff-Managing money	Categ
2	R2MONEYR	R2MONEYR:W2 R Diff-Managing money	Categ
2	S2MONEYR	S2MONEYR:W2 S Diff-Managing money	Categ
2	R2MEDS	R2MEDS:W2 R Diff-Take medications	Categ
3	R3MEDS	R3MEDS:W3 R Diff-Take medications	Categ
4	R4MEDS	R4MEDS:W4 R Diff-Take medications	Categ
5	R5MEDS	R5MEDS:W5 R Diff-Take medications	Categ
6	R6MEDS	R6MEDS:W6 R Diff-Take medications	Categ
7	R7MEDS	R7MEDS:W7 R Diff-Take medications	Categ
8	R8MEDS	R8MEDS:W8 R Diff-Take medications	Categ
9	R9MEDS	R9MEDS:W9 R Diff-Take medications	Categ
10	R10MEDS	R10MEDS:W10 R Diff-Take medications	Categ
11	R11MEDS	R11MEDS:W11 R Diff-Take medications	Categ
12	R12MEDS	R12MEDS:W12 R Diff-Take medications	Categ
2	S2MEDS	S2MEDS:W2 S Diff-Take medications	Categ
3	S3MEDS	S3MEDS:W3 S Diff-Take medications	Categ
4	S4MEDS	S4MEDS:W4 S Diff-Take medications	Categ
5	S5MEDS	S5MEDS:W5 S Diff-Take medications	Categ
6	S6MEDS	S6MEDS:W6 S Diff-Take medications	Categ
7	S7MEDS	S7MEDS:W7 S Diff-Take medications	Categ
8	S8MEDS	S8MEDS:W8 S Diff-Take medications	Categ
9	S9MEDS	S9MEDS:W9 S Diff-Take medications	Categ
10	S10MEDS	S10MEDS:W10 S Diff-Take medications	Categ
11	S11MEDS	S11MEDS:W11 S Diff-Take medications	Categ
12	S12MEDS	S12MEDS:W12 S Diff-Take medications	Categ
2	R2MEDSR	R2MEDSR:W2 R Diff-Take medications	Categ
2	S2MEDSR	S2MEDSR:W2 S Diff-Take medications	Categ
3	R3SHOP	R3SHOP:W3 R Diff-Shop for groceries	Categ
4	R4SHOP	R4SHOP:W4 R Diff-Shop for groceries	Categ
5	R5SHOP	R5SHOP:W5 R Diff-Shop for groceries	Categ
6	R6SHOP	R6SHOP:W6 R Diff-Shop for groceries	Categ
7	R7SHOP	R7SHOP:W7 R Diff-Shop for groceries	Categ
8	R8SHOP	R8SHOP:W8 R Diff-Shop for groceries	Categ
9	R9SHOP	R9SHOP:W9 R Diff-Shop for groceries	Categ
10	R10SHOP	R10SHOP:W10 R Diff-Shop for groceries	Categ
11	R11SHOP	R11SHOP:W11 R Diff-Shop for groceries	Categ
12	R12SHOP	R12SHOP:W12 R Diff-Shop for groceries	Categ
3	S3SHOP	S3SHOP:W3 S Diff-Shop for groceries	Categ
4	S4SHOP	S4SHOP:W4 S Diff-Shop for groceries	Categ
5	S5SHOP	S5SHOP:W5 S Diff-Shop for groceries	Categ

6	S6SHOP	S6SHOP:W6 S Diff-Shop for groceries	Categ
7	S7SHOP	S7SHOP:W7 S Diff-Shop for groceries	Categ
8	S8SHOP	S8SHOP:W8 S Diff-Shop for groceries	Categ
9	S9SHOP	S9SHOP:W9 S Diff-Shop for groceries	Categ
10	S10SHOP	S10SHOP:W10 S Diff-Shop for groceries	Categ
11	S11SHOP	S11SHOP:W11 S Diff-Shop for groceries	Categ
12	S12SHOP	S12SHOP:W12 S Diff-Shop for groceries	Categ
2	R2SHOPR	R2SHOPR:W2 R Diff-Shop for groceries	Categ
2	S2SHOPR	S2SHOPR:W2 S Diff-Shop for groceries	Categ
3	R3MEALS	R3MEALS:W3 R Diff-Preparing hot meals	Categ
4	R4MEALS	R4MEALS:W4 R Diff-Preparing hot meals	Categ
5	R5MEALS	R5MEALS:W5 R Diff-Preparing hot meals	Categ
6	R6MEALS	R6MEALS:W6 R Diff-Preparing hot meals	Categ
7	R7MEALS	R7MEALS:W7 R Diff-Preparing hot meals	Categ
8	R8MEALS	R8MEALS:W8 R Diff-Preparing hot meals	Categ
9	R9MEALS	R9MEALS:W9 R Diff-Preparing hot meals	Categ
10	R10MEALS	R10MEALS:W10 R Diff-Preparing hot meals	Categ
11	R11MEALS	R11MEALS:W11 R Diff-Preparing hot meals	Categ
12	R12MEALS	R12MEALS:W12 R Diff-Preparing hot meals	Categ
3	S3MEALS	S3MEALS:W3 S Diff-Preparing hot meals	Categ
4	S4MEALS	S4MEALS:W4 S Diff-Preparing hot meals	Categ
5	S5MEALS	S5MEALS:W5 S Diff-Preparing hot meals	Categ
6	S6MEALS	S6MEALS:W6 S Diff-Preparing hot meals	Categ
7	S7MEALS	S7MEALS:W7 S Diff-Preparing hot meals	Categ
8	S8MEALS	S8MEALS:W8 S Diff-Preparing hot meals	Categ
9	S9MEALS	S9MEALS:W9 S Diff-Preparing hot meals	Categ
10	S10MEALS	S10MEALS:W10 S Diff-Preparing hot meals	Categ
11	S11MEALS	S11MEALS:W11 S Diff-Preparing hot meals	Categ
12	S12MEALS	S12MEALS:W12 S Diff-Preparing hot meals	Categ
2	R2MEALSR	R2MEALSR:W2 R Diff-Preparing hot meals	Categ
2	S2MEALSR	S2MEALSR:W2 S Diff-Preparing hot meals	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MAP	12652	1.84	1.68	1.0	9.0
R2MAP	11400	0.38	1.03	0.0	9.0
R3MAP	17943	1.45	3.09	0.0	9.0
R4MAP	21332	1.33	3.02	0.0	9.0
R5MAP	19538	1.42	3.10	0.0	9.0
R6MAP	18140	1.34	3.01	0.0	9.0
R7MAP	20103	1.30	2.98	0.0	9.0
R8MAP	18444	1.23	2.89	0.0	9.0
R9MAP	17191	1.25	2.92	0.0	9.0
R10MAP	21862	0.82	2.35	0.0	9.0
R11MAP	20493	0.80	2.32	0.0	9.0
R12MAP	18688	0.78	2.25	0.0	9.0
S1MAP	9900	1.74	1.53	1.0	9.0
S2MAP	8725	0.33	0.91	0.0	9.0
S3MAP	11899	0.96	2.55	0.0	9.0
S4MAP	13964	0.91	2.54	0.0	9.0
S5MAP	12719	0.99	2.65	0.0	9.0
S6MAP	11626	0.87	2.47	0.0	9.0
S7MAP	12963	0.86	2.48	0.0	9.0
S8MAP	11724	0.83	2.42	0.0	9.0

S9MAP	10636	0.78	2.34	0.0	9.0
S10MAP	13421	0.53	1.88	0.0	9.0
S11MAP	12465	0.52	1.86	0.0	9.0
S12MAP	11011	0.51	1.81	0.0	9.0
R1CALC	12652	2.06	2.52	1.0	9.0
R2CALC	11398	0.41	1.59	0.0	9.0
S1CALC	9900	1.95	2.40	1.0	9.0
S2CALC	8720	0.37	1.52	0.0	9.0
R1MCWV	12652	1.51	1.69	1.0	9.0
S1MCWV	9900	1.42	1.51	1.0	9.0
R1COMP	12652	4.88	3.61	1.0	9.0
S1COMP	9900	4.82	3.61	1.0	9.0
R2PHONE	11416	0.05	0.39	0.0	9.0
R3PHONE	17951	0.12	0.74	0.0	9.0
R4PHONE	21349	0.12	0.72	0.0	9.0
R5PHONE	19551	0.13	0.78	0.0	9.0
R6PHONE	18157	0.12	0.73	0.0	9.0
R7PHONE	20109	0.12	0.72	0.0	9.0
R8PHONE	18457	0.11	0.68	0.0	9.0
R9PHONE	17202	0.12	0.72	0.0	9.0
R10PHONE	21892	0.09	0.54	0.0	9.0
R11PHONE	20529	0.09	0.56	0.0	9.0
R12PHONE	18725	0.09	0.52	0.0	9.0
S2PHONE	8736	0.04	0.37	0.0	9.0
S3PHONE	11902	0.09	0.65	0.0	9.0
S4PHONE	13970	0.09	0.65	0.0	9.0
S5PHONE	12724	0.10	0.71	0.0	9.0
S6PHONE	11636	0.08	0.61	0.0	9.0
S7PHONE	12966	0.08	0.63	0.0	9.0
S8PHONE	11733	0.08	0.62	0.0	9.0
S9PHONE	10639	0.09	0.65	0.0	9.0
S10PHONE	13427	0.06	0.46	0.0	9.0
S11PHONE	12482	0.07	0.50	0.0	9.0
S12PHONE	11025	0.07	0.50	0.0	9.0
R2PHONER	8219	0.10	0.65	0.0	9.0
S2PHONER	4348	0.09	0.60	0.0	9.0
R2MONEY	11415	0.11	0.64	0.0	9.0
R3MONEY	17950	0.37	1.56	0.0	9.0
R4MONEY	21349	0.35	1.54	0.0	9.0
R5MONEY	19548	0.38	1.60	0.0	9.0
R6MONEY	18152	0.40	1.61	0.0	9.0
R7MONEY	20107	0.43	1.71	0.0	9.0
R8MONEY	18456	0.45	1.74	0.0	9.0
R9MONEY	17203	0.44	1.72	0.0	9.0
R10MONEY	21880	0.35	1.49	0.0	9.0
R11MONEY	20523	0.32	1.42	0.0	9.0
R12MONEY	18717	0.33	1.43	0.0	9.0

S2MONEY	8735	0.10	0.65	0.0	9.0
S3MONEY	11901	0.41	1.74	0.0	9.0
S4MONEY	13970	0.37	1.66	0.0	9.0
S5MONEY	12721	0.42	1.77	0.0	9.0
S6MONEY	11631	0.42	1.78	0.0	9.0
S7MONEY	12966	0.46	1.88	0.0	9.0
S8MONEY	11731	0.49	1.92	0.0	9.0
S9MONEY	10641	0.47	1.89	0.0	9.0
S10MONEY	13423	0.38	1.65	0.0	9.0
S11MONEY	12482	0.34	1.57	0.0	9.0
S12MONEY	11024	0.37	1.63	0.0	9.0
R2MONEYR	8214	0.88	2.54	0.0	9.0
S2MONEYR	4344	1.15	2.91	0.0	9.0
R2MEDS	11414	0.13	0.91	0.0	9.0
R3MEDS	17950	0.67	2.28	0.0	9.0
R4MEDS	20068	0.06	0.45	0.0	9.0
R5MEDS	18546	0.06	0.40	0.0	9.0
R6MEDS	17776	0.05	0.30	0.0	9.0
R7MEDS	19696	0.05	0.33	0.0	9.0
R8MEDS	18206	0.06	0.32	0.0	9.0
R9MEDS	17012	0.06	0.32	0.0	9.0
R10MEDS	21622	0.06	0.40	0.0	9.0
R11MEDS	20291	0.06	0.34	0.0	9.0
R12MEDS	18502	0.06	0.40	0.0	9.0
S2MEDS	8733	0.12	0.88	0.0	9.0
S3MEDS	11902	0.66	2.30	0.0	9.0
S4MEDS	13137	0.05	0.42	0.0	9.0
S5MEDS	12052	0.04	0.35	0.0	9.0
S6MEDS	11414	0.03	0.24	0.0	9.0
S7MEDS	12741	0.04	0.30	0.0	9.0
S8MEDS	11590	0.04	0.28	0.0	9.0
S9MEDS	10546	0.04	0.27	0.0	9.0
S10MEDS	13282	0.05	0.37	0.0	9.0
S11MEDS	12345	0.04	0.25	0.0	9.0
S12MEDS	10905	0.05	0.38	0.0	9.0
R2MEDSR	8221	0.17	1.05	0.0	9.0
S2MEDSR	4348	0.12	0.84	0.0	9.0
R3SHOP	17950	0.47	1.70	0.0	9.0
R4SHOP	21350	0.45	1.67	0.0	9.0
R5SHOP	19551	0.48	1.73	0.0	9.0
R6SHOP	18157	0.48	1.71	0.0	9.0
R7SHOP	20074	0.45	1.67	0.0	9.0
R8SHOP	18458	0.45	1.63	0.0	9.0
R9SHOP	17206	0.43	1.59	0.0	9.0
R10SHOP	21887	0.29	1.22	0.0	9.0
R11SHOP	20520	0.28	1.16	0.0	9.0
R12SHOP	18721	0.27	1.15	0.0	9.0
S3SHOP	11902	0.45	1.76	0.0	9.0
S4SHOP	13970	0.40	1.67	0.0	9.0
S5SHOP	12724	0.44	1.75	0.0	9.0
S6SHOP	11635	0.42	1.71	0.0	9.0

S7SHOP	12956	0.41	1.71	0.0	9.0
S8SHOP	11732	0.40	1.64	0.0	9.0
S9SHOP	10642	0.36	1.55	0.0	9.0
S10SHOP	13427	0.23	1.14	0.0	9.0
S11SHOP	12476	0.22	1.09	0.0	9.0
S12SHOP	11023	0.22	1.10	0.0	9.0
R2SHOPR	8220	0.46	1.52	0.0	9.0
S2SHOPR	4347	0.44	1.61	0.0	9.0
R3MEALS	17951	0.59	2.05	0.0	9.0
R4MEALS	21350	0.56	2.01	0.0	9.0
R5MEALS	19549	0.61	2.07	0.0	9.0
R6MEALS	18155	0.63	2.10	0.0	9.0
R7MEALS	20112	0.57	2.02	0.0	9.0
R8MEALS	18459	0.52	1.90	0.0	9.0
R9MEALS	17205	0.51	1.87	0.0	9.0
R10MEALS	21887	0.33	1.45	0.0	9.0
R11MEALS	20523	0.32	1.42	0.0	9.0
R12MEALS	18720	0.29	1.33	0.0	9.0
S3MEALS	11902	0.65	2.24	0.0	9.0
S4MEALS	13971	0.60	2.15	0.0	9.0
S5MEALS	12724	0.64	2.21	0.0	9.0
S6MEALS	11634	0.65	2.22	0.0	9.0
S7MEALS	12967	0.59	2.12	0.0	9.0
S8MEALS	11732	0.51	1.95	0.0	9.0
S9MEALS	10643	0.50	1.93	0.0	9.0
S10MEALS	13427	0.30	1.45	0.0	9.0
S11MEALS	12478	0.28	1.40	0.0	9.0
S12MEALS	11020	0.27	1.35	0.0	9.0
R2MEALSR	8220	0.59	2.02	0.0	9.0
S2MEALSR	4348	0.79	2.41	0.0	9.0

Categorical Variable Codes

Value	R1MAP
1.Not at all diff	8225
2.A little diff	1997
3.Somewhat diff	957
4.Very diff/can't do	1009
9.Don't do	464

Value	R2MAP
.D=DK/NA	18
.Q=Not asked this wv	8222
.R=RF	2
0.No	8949
1.Yes,a little	1244
2.Yes,a lot	1106
3.Yes,DK/NA how much	2
4.Yes,RF how much	1
9.Don't do	98

Value	R3MAP	R4MAP	R5MAP	R6MAP	R7MAP
.D=DK/NA	8	18	14	18	10
.R=RF	4	6	3		6
.S=Skip	36	28	24	7	10
0.No	12656	16175	14614	13596	15287
1.Yes	2198	1599	1393	1437	1504
2.Can't do	568	745	782	724	742
9.Don't do	2521	2813	2749	2383	2570

Value	R8MAP	R9MAP	R10MAP	R11MAP	R12MAP
.D=DK/NA	15	14	31	36	34
.R=RF	3	3	6	7	9
.S=Skip	7	9	135	18	17
0.No	14013	13038	17338	16252	14600
1.Yes	1546	1480	2516	2374	2513
2.Can't do	699	576	394	384	311
9.Don't do	2186	2097	1614	1483	1264

Value	S1MAP
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	6644
2.A little diff	1543
3.Somewhat diff	747
4.Very diff/can't do	686
9.Don't do	280

Value	S2MAP
.D=DK/NA	12
.Q=Not asked this wv	4549
.R=RF	2
.U=Unmarried	5970
.V=Spouse NR	384
0.No	7037
1.Yes,a little	921
2.Yes,a lot	710
3.Yes,DK/NA how much	2
4.Yes,RF how much	1
9.Don't do	54

Value	S3MAP	S4MAP	S5MAP	S6MAP	S7MAP
.D=DK/NA	3	6	5	10	4
.R=RF	2	1	1		4
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	9224	11466	10334	9533	10712
1.Yes	1348	909	779	827	829
2.Can't do	263	360	380	308	348
9.Don't do	1064	1229	1226	958	1074

Value	S8MAP	S9MAP	S10MAP	S11MAP	S12MAP
.D=DK/NA	7	7	8	17	13
.R=RF	3	1	3	2	3
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9673	8835	11361	10566	9220
1.Yes	810	775	1279	1185	1211
2.Can't do	316	251	174	166	123
9.Don't do	925	775	607	548	457

Value	R1CALC
1.Not at all diff	9979
2.A little diff	664
3.Somewhat diff	257
4.Very diff/can't do	354
9.Don't do	1398

Value	R2CALC
.D=DK/NA	19
.Q=Not asked this wv	8222
.R=RF	3
0.No	10050
1.Yes,a little	452
2.Yes,a lot	546
3.Yes,DK/NA how much	4
9.Don't do	346

Value	S1CALC
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	7973
2.A little diff	522
3.Somewhat diff	190
4.Very diff/can't do	238
9.Don't do	977

Value	S2CALC
.D=DK/NA	16
.Q=Not asked this wv	4549
.R=RF	3
.U=Unmarried	5970
.V=Spouse NR	384
0.No	7807
1.Yes,a little	320
2.Yes,a lot	348
3.Yes,DK/NA how much	2
9.Don't do	243

Value	R1MCWV
1.Not at all diff	10797
2.A little diff	840
3.Somewhat diff	259
4.Very diff/can't do	199
9.Don't do	557

Value	S1MCWV
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	8560
2.A little diff	677
3.Somewhat diff	192
4.Very diff/can't do	133
9.Don't do	338

Value	R1COMP
1.Not at all diff	4059
2.A little diff	1183
3.Somewhat diff	853
4.Very diff/can't do	1239
9.Don't do	5318

Value	S1COMP
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	3218
2.A little diff	976
3.Somewhat diff	683
4.Very diff/can't do	944
9.Don't do	4079

Value	R2PHONE
.D=DK/NA	1
.Q=Not asked this wv	8222
.R=RF	3
0.No	11117
1.Yes,a little	153
2.Yes,a lot	126
3.Yes,DK/NA how much	4
4.Yes,RF how much	3
9.Don't do	13

Value	R3PHONE	R4PHONE	R5PHONE	R6PHONE	R7PHONE
.D=DK/NA	1	4	2	1	4
.R=RF	3	3	2		6
.S=Skip	36	28	24	7	10
0.No	16925	20118	18419	17019	18978
1.Yes	642	775	682	726	693
2.Can't do	281	341	325	315	331
9.Don't do	103	115	125	97	107

Value	R8PHONE	R9PHONE	R10PHONE	R11PHONE	R12PHONE
.D=DK/NA	3	5	3	6	5
.R=RF	2	1	4	1	1
.S=Skip	7	9	135	18	17
0.No	17372	16137	20574	19292	17546
1.Yes	658	692	1049	980	986
2.Can't do	344	282	212	198	147
9.Don't do	83	91	57	59	46

Value	S2PHONE
.Q=Not asked this wv	4549
.R=RF	3
.U=Unmarried	5970
.V=Spouse NR	384
0.No	8531
1.Yes,a little	110
2.Yes,a lot	81
3.Yes,DK/NA how much	2
4.Yes,RF how much	3
9.Don't do	9

Value	S3PHONE	S4PHONE	S5PHONE	S6PHONE	S7PHONE
.D=DK/NA		1			1
.R=RF	2		1		4
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	11389	13355	12192	11141	12477
1.Yes	327	405	336	339	321
2.Can't do	133	148	125	112	114
9.Don't do	53	62	71	44	54

Value	S8PHONE	S9PHONE	S10PHONE	S11PHONE	S12PHONE
.D=DK/NA		4	3	2	2
.R=RF	1	1	2		
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11243	10189	12849	11961	10529
1.Yes	317	313	480	403	408
2.Can't do	126	89	71	88	61
9.Don't do	47	48	27	30	27

Value	S2PHONER
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.Able to do without help	4122
1.Unable to do without help	170
2.Can't do	40
9.Don't do	16

Value	S2PHONER
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.Able to do without help	4122
1.Unable to do without help	170
2.Can't do	40
9.Don't do	16

Value	R2MONEY
.D=DK/NA	3
.Q=Not asked this wv	8222
.R=RF	2
0.No	10781
1.Yes,a little	379
2.Yes,a lot	205
3.Yes,DK/NA how much	3
4.Yes,RF how much	4
9.Don't do	43

Value	R3MONEY	R4MONEY	R5MONEY	R6MONEY	R7MONEY
.D=DK/NA	1	3	4	3	4
.M=Oth missing	1				
.R=RF	3	4	2	3	8
.S=Skip	36	28	25	7	10
0.No	16166	19305	17562	16196	17980
1.Yes	713	849	790	800	768
2.Can't do	534	576	579	576	625
9.Don't do	537	619	617	580	734

Value	R8MONEY	R9MONEY	R10MONEY	R11MONEY	R12MONEY
.D=DK/NA	3	3	9	9	10
.R=RF	3	2	10	4	4
.S=Skip	7	9	135	18	17
0.No	16377	15225	19379	18323	16560
1.Yes	789	736	1411	1255	1343
2.Can't do	592	612	500	446	353
9.Don't do	698	630	590	499	461

Value	S2MONEY
.D=DK/NA	2
.Q=Not asked this wv	4549
.R=RF	2
.U=Unmarried	5970
.V=Spouse NR	384
0.No	8319
1.Yes,a little	261
2.Yes,a lot	114
3.Yes,DK/NA how much	1
4.Yes,RF how much	3
9.Don't do	37

Value	S3MONEY	S4MONEY	S5MONEY	S6MONEY	S7MONEY
.D=DK/NA		1	2	2	1
.M=Oth missing	1				
.R=RF	2		1	3	4
.S=Skip	11	7	6	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	10938	12906	11700	10667	11840
1.Yes	268	355	288	280	317
2.Can't do	243	223	229	220	226
9.Don't do	452	486	504	464	583

Value	S8MONEY	S9MONEY	S10MONEY	S11MONEY	S12MONEY
.D=DK/NA	1	1	5	2	3
.R=RF	2	2	4		
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10666	9692	12168	11408	9991
1.Yes	281	256	596	523	527
2.Can't do	230	210	198	169	141
9.Don't do	554	483	461	382	365

Value	R2MONEYR
.D=DK/NA	2
.M=Oth missing	4
.Q=Not asked this wv	11420
.R=RF	2
0.Able to do without help	6758
1.Unable to do without help	734
9.Don't do	722

Value	S2MONEYR
.D=DK/NA	2
.M=Oth missing	2
.Q=Not asked this wv	9123
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	200
0.Able to do without help	3522
1.Unable to do without help	302
9.Don't do	520

Value	R2MEDS
.D=DK/NA	4
.Q=Not asked this wv	8222
.R=RF	2
0.No	10963
1.Yes,a little	200
2.Yes,a lot	130
4.Yes,RF how much	12
9.Don't do	109

Value	R3MEDS	R4MEDS	R5MEDS	R6MEDS	R7MEDS
.D=DK/NA	1	6	2	6	6
.R=RF	4	4	2		4
.S=Skip	36	28	24	7	36
.Z=Don't do/No if did		1278	1005	376	387
0.No	16009	19211	17733	16962	18829
1.Yes	585	715	672	723	771
2.Can't do	113	106	117	84	82
9.Don't do	1243	36	24	7	14

Value	R8MEDS	R9MEDS	R10MEDS	R11MEDS	R12MEDS
.D=DK/NA	2		3	7	5
.R=RF	3	1	6	3	1
.S=Skip	7	9	135	18	17
.Z=Don't do/No if did	251	195	268	235	223
0.No	17322	16149	20552	19282	17520
1.Yes	786	783	996	951	940
2.Can't do	89	71	44	42	17
9.Don't do	9	9	30	16	25

Value	S2MEDS
.D=DK/NA	4
.Q=Not asked this wv	4549
.R=RF	2
.U=Unmarried	5970
.V=Spouse NR	384
0.No	8420
1.Yes,a little	137
2.Yes,a lot	89
4.Yes,RF how much	10
9.Don't do	77

Value	S3MEDS	S4MEDS	S5MEDS	S6MEDS	S7MEDS
.D=DK/NA		3			2
.R=RF	2		1		2
.S=Skip	11	7	5	3	10
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.Z=Don't do/No if did		831	672	222	217
0.No	10738	12730	11701	11077	12370
1.Yes	277	337	305	300	336
2.Can't do	50	47	33	34	26
9.Don't do	837	23	13	3	9

Value	S8MEDS	S9MEDS	S10MEDS	S11MEDS	S12MEDS
.D=DK/NA				3	
.R=RF	2	1	3		
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.Z=Don't do/No if did	142	97	147	136	122
0.No	11212	10197	12821	11931	10527
1.Yes	344	326	426	398	359
2.Can't do	28	18	18	12	4
9.Don't do	6	5	17	4	15

Value	R2MEDSR
.M=Oth missing	1
.Q=Not asked this wv	11420
0.Able to do without help	7711
1.Unable to do without help	377
2.Can't do	24
9.Don't do	109

Value	S2MEDSR
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.Able to do without help	4129
1.Unable to do without help	171
2.Can't do	12
9.Don't do	36

Value	R3SHOP	R4SHOP	R5SHOP	R6SHOP	R7SHOP
.D=DK/NA	2		2	1	4
.R=RF	3	6	2		6
.S=Skip	36	28	24	7	45
0.No	15421	18465	16827	15568	17375
1.Yes	1024	1220	1141	1052	1107
2.Can't do	867	941	859	887	907
9.Don't do	638	724	724	650	685

Value	R8SHOP	R9SHOP	R10SHOP	R11SHOP	R12SHOP
.D=DK/NA	1	1	6	10	9
.R=RF	3	1	6	6	1
.S=Skip	7	9	135	18	17
0.No	15820	14828	19170	17916	16295
1.Yes	1186	1036	1695	1703	1704
2.Can't do	857	818	649	590	440
9.Don't do	595	524	373	311	282

Value	S3SHOP	S4SHOP	S5SHOP	S6SHOP	S7SHOP
.D=DK/NA				1	2
.R=RF	2	1	1		4
.S=Skip	11	7	5	3	10
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	10630	12565	11385	10457	11663
1.Yes	489	562	536	441	515
2.Can't do	318	361	315	312	306
9.Don't do	465	482	488	425	472

Value	S8SHOP	S9SHOP	S10SHOP	S11SHOP	S12SHOP
.D=DK/NA		1	3	6	4
.R=RF	2	1	2	2	
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10487	9602	12249	11360	10001
1.Yes	571	462	764	730	708
2.Can't do	285	263	209	215	160
9.Don't do	389	315	205	171	154

Value	R2SHOPR
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	11420
0.Able to do without help	6535
1.Unable to do without help	1180
2.Can't do	277
9.Don't do	228

Value	S2SHOPR
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.Able to do without help	3662
1.Unable to do without help	442
2.Can't do	105
9.Don't do	138

Value	R3MEALS	R4MEALS	R5MEALS	R6MEALS	R7MEALS
.D=DK/NA	1	1	3	3	2
.R=RF	3	5	3		5
.S=Skip	36	28	24	7	10
0.No	15739	18781	17034	15689	17625
1.Yes	688	844	762	775	764
2.Can't do	554	619	670	651	674
9.Don't do	970	1106	1083	1040	1049

Value	R8MEALS	R9MEALS	R10MEALS	R11MEALS	R12MEALS
.D=DK/NA	2	6	8	9	
.R=RF	3	1	6	5	2
.S=Skip	7	9	135	18	17
0.No	16216	15095	19648	18341	16776
1.Yes	765	744	1186	1238	1178
2.Can't do	631	610	495	444	373
9.Don't do	847	756	558	500	393

Value	S3MEALS	S4MEALS	S5MEALS	S6MEALS	S7MEALS
.D=DK/NA				2	1
.R=RF	2		1		3
.S=Skip	11	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	10591	12505	11309	10343	11639
1.Yes	320	389	351	336	367
2.Can't do	208	233	246	201	202
9.Don't do	783	844	818	754	759

Value	S8MEALS	S9MEALS	S10MEALS	S11MEALS	S12MEALS
.D=DK/NA			2	5	6
.R=RF	2	1	3	1	1
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10577	9637	12393	11489	10163
1.Yes	373	314	534	551	493
2.Can't do	210	181	153	137	120
9.Don't do	572	511	347	301	244

Value	R2MEALSR
.M=Oth missing	1
.Q=Not asked this wv	11420
.R=RF	1
0.Able to do without help	7018
1.Unable to do without help	588
2.Can't do	179
9.Don't do	435

Value	S2MEALSR
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmarried	5970
.V=Spouse NR	200
0.Able to do without help	3676
1.Unable to do without help	262
2.Can't do	72
9.Don't do	338

How Constructed

These variables recode the raw variables for difficulty with instrumental activities of daily living (IADLs) as they appear in the HRS data except for missing values and accounting for skip patterns. Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement function in Wave 1. The measures described here are using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP). In the following, references to Rw[iadl] apply to all these variables.

Respondents are asked about different IADL activities in Waves 1 and 2 then in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing

money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in all waves except Wave 2A. From Wave 3 forward, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map.

In Wave 2A and 2H, the questions are asked differently and result in different raw recodes. The Wave 2H variables are named as they are in other waves (R2[iadl], e.g., R2PHONE) and the Wave 2A variables recoded raw variables are named R2[iadl]R, e.g., R2PHONER. For HRS Respondents in Wave 2, the R2[iadl]R variables are set to .Q, and similarly, for AHEAD Respondents in Wave 2, the R2[iadl] variables are set to .Q.

To summarize, R1MCWV and R1COMP are available only in Wave 1; RwCALC is only available in Waves 1 and 2H; R2PHONE, R2MEDS, and R2MONEY are available for Wave 2H; R2PHONER, R2MEDSR, R2MONEYR, R2SHOPR, and R2MEALSR are available for Wave 2A; RwPHONE, RwMEDS, RwMONEY, RwSHOP and RwMEALS are available from Wave 3 forward; and RwMAP is available in all waves except Wave 2A.

In addition the categories for Rw[iadl] variables are uniquely different from other waves in Waves 1, 2H, and 2A.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves don't know is recoded to special missing code .D and refused is recoded to .R.

In Wave 1 difficulty with an ADL is rated on a 4-point scale from no difficulty to very difficult/can't do. These are assigned without change. A "don't do" answer is recoded to 9.

In Wave 2H, the question asks if the Respondent has any difficulty with an IADL and if so, asks follow-up questions about the degree of difficulty. The raw variable codes both questions as one categorical variable. A "no" answer to the first question about any difficulty is recoded to 0, and the categorical levels of difficulty are recoded appropriately to "a little" and "a lot", or "don't know/refused how much." A "don't do" response is coded as 9.

In Wave 2A, except for managing money, the questions begin with "Are you able to do ... without help?" and, if the response is "Don't do", a follow-up question asks if this is because of a health problem. If the response to the first question is yes, then R2[iadl]R is set to 0, able to do without help. If the response is no, i.e., not able to do without help, R2[iadl]R is set to 1, unable to do without help. If the Respondent indicates that s/he doesn't do the activity because of a health problem, R2[iadl]R is set to 2, can't do. If it is not because of a health problem, R2[iadl]R is set to 9, doesn't do. The follow-up question about any difficulty was asked for these IADLS as a group, i.e., preparing meals, shopping for groceries, making telephone calls and taking medications all together. Because it is impossible to separate answers for specific IADLs, we don't use this question.

For managing money in Wave 2A, the initial question asks about being able to manage money without help. If the response is no, a follow-up question asks if this is because of a health problem. If the response to the first question is yes, then R2MONEYR is set to 0, able to do without help. If the response is no, and the Respondent indicates that it is because of a health problem, then R2MONEYR is set to 1, unable to do without help. If not because of a health problem then R2MONEYR is set to 9, doesn't do.

From Wave 3 forward there is just one question about difficulty using a map. RwMAP is set to 1 for any difficulty (yes), 0 for no difficulty, 2 for "can't do" response, 9 for "don't do," .D for don't know, .R for refuse, and .S if the question was not asked.

From Wave 3 forward for other activities, follow-up questions for "can't do" or "don't do" responses are used in deriving Rw[iadl]. Except for taking medications from Wave 4 forward, Rw[iadl] is derived as follows. If the Respondent answers yes or no to the first question about having any difficulty, then Rw[iadl] is set to 1 for yes, difficulty or 0 for no

difficulty, respectively. A don't know or refuse response is set to .D or .R, respectively, and if the question is not answered, Rw[iadl] is set to .S. If the Respondent answers "can't do" or "don't do" to the first question, the second question that asks if it is because of a health problem is checked. If it is because of a health problem, Rw[iadl] is set to 2 for "can't do". If not, the answer is considered a "don't do" response and Rw[iadl] is set to 9.

From Wave 4 forward for taking medications, the recoding uses three questions. If the Respondent answers yes to the first question about having any difficulty, RwMEDS is set to 1 for some difficulty. If the answer is no, RwMEDS is set to 0. A don't know or refuse response is set to .D or .R, respectively, and if the question is not answered, Rw[iadl] is set to .S.

If the Respondent answers "don't do" to the first question, a second question asks if he/she would have difficulty if he/she took medications. If the answer is no, then RwMEDS is set to .Z to indicate the Respondent doesn't take medications but says he/she wouldn't have difficulty if he/she did.

If the answer to the second question is yes or if the Respondent answers "can't do" to the first question, a third question asks whether it is because of a health problem. If the answer is yes and the Respondent said "can't do" to the first question, RwMEDS is set to 2 for "can't do." If the answer is yes and the Respondent doesn't take medications but said he/she would have difficulty if he/she did, RwMEDS is set to 1 for "yes," difficulty. If the answer is no, it is considered a "don't do" response.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond then the variables are set to .V=Spouse is non-response.

There are other versions of the Rw[iadl] variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "some difficulty" (Rw[iadl]A). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct R1[iadl]A variables in Wave 1. Please see the description of the Rw[iadl]A variables under "Instrumental activities of daily living (IADLs): Some difficulty" for this version. Rw[iadl]A variables are used to construct an IADL summary index. Please see "IADL Summary."

A third version of these variables are derived for Wave 1 only (R1[iadl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "IADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1MAPW, R1CALCW, R1MCWVW, and R1COMPW variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[iadl]A) solely due to measurement differences in the raw data. The R1[iadl]W variables are not appropriate for comparison to the Rw[iadl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement function in Wave 1. The IADL measures described here are: using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP).

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward,

the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in all waves except Wave 2A. From Wave 3 forward, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer "not at all difficult," "a little difficult," "somewhat difficult," "very difficult/can't do," or "don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The specific wording for the IADLs is: use a map to figure out how to get around a strange place, use a microwave oven after reading the instructions, use a calculator to help balance your checkbook, and use a computer or word processor.

In Wave 2H the question wording is similar to that in Wave 1 but is asked in 2 parts:

1) "Here are some other activities that people may have difficulty with. Do you have any difficulty with ...?" The Respondent can answer "yes" or "no."

2) [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, therefore are observed less frequently than in other waves, simply because of questionnaire differences. This difference is considerable among the IADLs. The specific wording for the IADLs is: using a map to figure out how to get around a strange place, using a calculator to help balance your checkbook, managing your money, making telephone calls, and following instructions for taking prescription medications.

In Wave 2A, the questions are asked differently for managing money and for other IADLs. The section is prefaced with the following:

"Here are a few other daily activities which some people have difficulty with. Please tell me whether you are able to do each activity without help from anyone else. If you don't do the activity at all, just tell me so."

Except for managing money, the IADL questions ask:

"Are you able to ... without help? [IF DON'T DO] Is that because of a health problem?"

If the Respondent reports being able to do any one of these activities without help, a question asks:

"Without help do you have any difficulty with [list of all applicable IADLs]?" [IF YES] "Is that a little or a lot of difficulty?"

The specific wording for these activities is: prepare(ing) hot meals, shop(ping) for groceries, make(ing) telephone calls, and take(ing) medications.

For managing money the Wave 2A questions ask:

1) "Do you manage your money-such as paying your bills and keeping track of expenses, without anyone's help?"

2) [IF NO] "Is that because of a health or memory condition?"

3) [IF YES, DK, or RF to Q1, or YES to Q2] "Do you have any difficulty managing your money (when someone is helping you/without help)?"

4) [IF YES to Q3] "Is that a little or a lot of difficulty?"

From Wave 3 forward, the question wording is again similar to that in Wave 1, but is prefaced with additional text. The question asks:

"Here are a few other activities which some people have difficulty with because of a physical, mental, emotional, or memory problem. Please tell me if you have any difficulty with each activity I name. If you don't do the activity at all, just tell me so. Exclude any difficulties you expect to last less than three months."

For using a map the question in Wave 3 is: "Do you have any difficulty using a map to figure out how to get around in a strange place?" From Wave 4 forward, this is prefaced with "Because of a health or memory problem...." Responses may be "yes," "no," "can't do," or "don't do."

For other IADLs, a series of questions may be asked:

1) "Because of a health or memory problem do you have any difficulty with ...?" The Respondent can answer "yes," "no," "can't do," or "don't do." In Wave 3, for taking medications, the wording for "don't do" is "don't take medications."

2) For taking medications, from Wave 4 forward, [If DON'T DO to Q1] "Do you think you would have any difficulty taking medications if you needed to do so?"

3) [If YES, DK, or RF to Q2 for taking medications from Wave 4 forward; CAN'T DO to Q1 for taking medications in Wave 3; or CAN'T DO or DON'T DO to Q1 for all other activities] "Is that because of a health or memory problem?" The Respondent can answer "yes" or "no." In Wave 3A, this question is also asked if the response to Q1 is "don't know" or "refuse." In Wave 3A and 3H, this question is skipped for a "don't take medications" response. From Wave 4 forward, whether the question is asked depends on the answer to Q2 for taking medications if Q1 had a "don't do" response.

4) [If YES, DK, or RF to Q1 or Q3] "Does anyone help you ...?" The Respondent can answer "yes" or "no." In Wave 3, this question is not asked for managing money when the Q1 response is DK or RF. From Wave 4 forward this question is not asked if the Respondent is living in a nursing home. In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the IADLs except help with medications and money.

The specific wording for these activities is: prepare(ing) a hot meal, shop(ping) for groceries, make(ing) phone calls, take(ing) medications, and manage(ing) your money – such as paying your bills and keeping track of expenses.

HRS Variables Used

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HRS 1992:
    V321            B5A:USE MAP, STRNG P:IMP
    V322            B5B:USE MCRWV W/ INS:IMP
    V323            B5C:USE CALCULATOR  :IMP
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    V324            B5D:USE COMPUTER    :IMP
AHEAD 1993:
    B903A1          E52. IADL W/OUT HELP-PREPARE HOT MEAL
    B903A2          E52. IADL W/OUT HELP-SHOP FOR GROCERIES
    B903A3          E52. IADL W/OUT HELP-MAKE PHONE CALLS
    B903A4          E52. IADL W/OUT HELP-TAKE MEDICATIONS
    B904A1          E52a. IADL WHY DONT-PREPARE HOT MEALS
    B904A2          E52a. IADL WHY DONT-SHOP FOR GROCERIES
    B904A3          E52a. IADL WHY DONT-MAKE PHONE CALLS
    B904A4          E52a. IADL WHY DONT-TAKE MEDICATIONS
    B948            E57. IADL MONEY
    B949            E57a. MONEY WHY CANT
HRS 1994:
    W323            B5.USING A MAP
    W324            B5a.USING A CALCULATOR
    W325            B5b.MANAGING MONEY
    W326            B5c.MAKING TELEPHONE CAL
    W327            B5d.TAKING PRESCRIPTION
AHEAD 1995:
    D2012           E93.MAPS
    D2021           E95.IADL MEALS DIFF
    D2023           E95B.MEALS -WHY DONT
    D2026           E96.IADL GROC DIFF
    D2028           E96B.GROC -WHY DONT
    D2031           E97.IADLS PHONE DIFF
    D2033           E97B.PHONE -WHY DONT
    D2036           E98.IADLS MEDICATION DIFF
    D2038           E98B.MED-WHY DONT
    D2099           E106.IADL MONEY DIFF
    D2100           E106A.MONEY HEALTH PROBLEM
HRS 1996:
    E2027           E93.MAPS
    E2036           E95.IADL MEALS DIFF
    E2038           E95B.MEALS -WHY DONT
    E2041           E96.IADL GROC DIFF
    E2043           E96B.GROC -WHY DONT
    E2046           E97.IADLS PHONE DIFF
    E2048           E97B.PHONE -WHY DONT
    E2051           E98.IADLS MEDICATION DIFF
    E2053           E98B.MED-WHY DONT
    E2093           E106.IADL MONEY DIFF
    E2094           E106A.MONEY HEALTH PROBLEM
HRS 1998:
    F2553           E93.MAPS
    F2562           E95.IADL MEALS DIFF
    F2564           E95B.MEALS -WHY DONT
    F2567           E96.IADL GROC DIFF
    F2569           E96B.GROC -WHY DONT
    F2572           E97.IADLS PHONE DIFF
    F2574           E97B.PHONE -WHY DONT
    F2577           E98.IADLS MEDICATION DIFF
    F2578           E98A
    F2579           E98B.MED-WHY DONT
    F2618           E106.IADL MONEY DIFF
    F2619           E106A.MONEY HEALTH PROBLEM
HRS 2000:
    G2851           E93.MAPS
    G2860           E95.IADL MEALS DIFF
    G2862           E95B.MEALS -WHY DONT
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    G2865           E96.IADL GROC DIFF
    G2867           E96B.GROC -WHY DONT
    G2870           E97.IADLS PHONE DIFF
    G2872           E97B.PHONE -WHY DONT
    G2875           E98.IADLS MEDICATION DIFF
    G2876           E98A.IADLS MED IF NEEDED DIFF
    G2877           E98B.MED-WHY DONT
    G2916           E106.IADL MONEY DIFF
    G2917           E106A.MONEY HEALTH PROBLEM
HRS 2002:
    HG040           DIFFICULTY- USING MAPS
    HG041           IADL MEAL PREPARATION DIFFICULTY
    HG042           WHY- MEAL PREPARATION DIFFICULTY
    HG044           IADL GROC SHOP DIFFICULTY
    HG045           WHY- GROC SHOP DIFFICULTY
    HG047           IADL MAKING PHONE CALLS DIFFICULTY
    HG048           WHY- MAKING PHONE CALLS DIFFICULTY
    HG050           IADL TAKING MEDICATION DIFFICULTY
    HG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    HG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    HG059           IADL MANAGING MONEY DIFFICULTY
    HG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2004:
    JG040           DIFFICULTY- USING MAPS
    JG041           IADL MEAL PREPARATION DIFFICULTY
    JG042           WHY- MEAL PREPARATION DIFFICULTY
    JG044           IADL GROC SHOP DIFFICULTY
    JG045           WHY- GROC SHOP DIFFICULTY
    JG047           IADL MAKING PHONE CALLS DIFFICULTY
    JG048           WHY- MAKING PHONE CALLS DIFFICULTY
    JG050           IADL TAKING MEDICATION DIFFICULTY
    JG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    JG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    JG059           IADL MANAGING MONEY DIFFICULTY
    JG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2006:
    KG040           DIFFICULTY- USING MAPS
    KG041           IADL MEAL PREPARATION DIFFICULTY
    KG042           WHY- MEAL PREPARATION DIFFICULTY
    KG044           IADL GROC SHOP DIFFICULTY
    KG045           WHY- GROC SHOP DIFFICULTY
    KG047           IADL MAKING PHONE CALLS DIFFICULTY
    KG048           WHY- MAKING PHONE CALLS DIFFICULTY
    KG050           IADL TAKING MEDICATION DIFFICULTY
    KG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    KG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    KG059           IADL MANAGING MONEY DIFFICULTY
    KG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2008:
    LG040           DIFFICULTY- USING MAPS
    LG041           IADL MEAL PREPARATION DIFFICULTY
    LG042           WHY- MEAL PREPARATION DIFFICULTY
    LG044           IADL GROC SHOP DIFFICULTY
    LG045           WHY- GROC SHOP DIFFICULTY
    LG047           IADL MAKING PHONE CALLS DIFFICULTY
    LG048           WHY- MAKING PHONE CALLS DIFFICULTY
    LG050           IADL TAKING MEDICATION DIFFICULTY
    LG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    LG052           WHY-  TAKING MEDICATIONS DIFFICULTY
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    LG059           IADL MANAGING MONEY DIFFICULTY
    LG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2010:
    MG040           DIFFICULTY- USING MAPS
    MG041           IADL MEAL PREPARATION DIFFICULTY
    MG042           WHY- MEAL PREPARATION DIFFICULTY
    MG044           IADL GROC SHOP DIFFICULTY
    MG045           WHY- GROC SHOP DIFFICULTY
    MG047           IADL MAKING PHONE CALLS DIFFICULTY
    MG048           WHY- MAKING PHONE CALLS DIFFICULTY
    MG050           IADL TAKING MEDICATION DIFFICULTY
    MG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    MG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    MG059           IADL MANAGING MONEY DIFFICULTY
    MG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2012:
    NG040           DIFFICULTY- USING MAPS
    NG041           IADL MEAL PREPARATION DIFFICULTY
    NG042           WHY- MEAL PREPARATION DIFFICULTY
    NG044           IADL GROC SHOP DIFFICULTY
    NG045           WHY- GROC SHOP DIFFICULTY
    NG047           IADL MAKING PHONE CALLS DIFFICULTY
    NG048           WHY- MAKING PHONE CALLS DIFFICULTY
    NG050           IADL TAKING MEDICATION DIFFICULTY
    NG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    NG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    NG059           IADL MANAGING MONEY DIFFICULTY
    NG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2014:
    OG040           DIFFICULTY- USING MAPS
    OG041           IADL MEAL PREPARATION DIFFICULTY
    OG042           WHY- MEAL PREPARATION DIFFICULTY
    OG044           IADL GROC SHOP DIFFICULTY
    OG045           WHY- GROC SHOP DIFFICULTY
    OG047           IADL MAKING PHONE CALLS DIFFICULTY
    OG048           WHY- MAKING PHONE CALLS DIFFICULTY
    OG050           IADL TAKING MEDICATION DIFFICULTY
    OG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    OG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    OG059           IADL MANAGING MONEY DIFFICULTY
    OG060           WHY- MANAGING MONEY DIFFICULTY
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Instrumental activities of daily living (IADLs): Some difficulty

Wave	Variable	Label	Type
2	R2MAPA	R2MAPA:W2 R Some Diff-Use a map	Categ
3	R3MAPA	R3MAPA:W3 R Some Diff-Use a map	Categ
4	R4MAPA	R4MAPA:W4 R Some Diff-Use a map	Categ
5	R5MAPA	R5MAPA:W5 R Some Diff-Use a map	Categ
6	R6MAPA	R6MAPA:W6 R Some Diff-Use a map	Categ
7	R7MAPA	R7MAPA:W7 R Some Diff-Use a map	Categ
8	R8MAPA	R8MAPA:W8 R Some Diff-Use a map	Categ
9	R9MAPA	R9MAPA:W9 R Some Diff-Use a map	Categ
10	R10MAPA	R10MAPA:W10 R Some Diff-Use a map	Categ
11	R11MAPA	R11MAPA:W11 R Some Diff-Use a map	Categ
12	R12MAPA	R12MAPA:W12 R Some Diff-Use a map	Categ
2	S2MAPA	S2MAPA:W2 S Some Diff-Use a map	Categ
3	S3MAPA	S3MAPA:W3 S Some Diff-Use a map	Categ
4	S4MAPA	S4MAPA:W4 S Some Diff-Use a map	Categ
5	S5MAPA	S5MAPA:W5 S Some Diff-Use a map	Categ
6	S6MAPA	S6MAPA:W6 S Some Diff-Use a map	Categ
7	S7MAPA	S7MAPA:W7 S Some Diff-Use a map	Categ
8	S8MAPA	S8MAPA:W8 S Some Diff-Use a map	Categ
9	S9MAPA	S9MAPA:W9 S Some Diff-Use a map	Categ
10	S10MAPA	S10MAPA:W10 S Some Diff-Use a map	Categ
11	S11MAPA	S11MAPA:W11 S Some Diff-Use a map	Categ
12	S12MAPA	S12MAPA:W12 S Some Diff-Use a map	Categ
2	R2CALCA	R2CALCA:W2 R Some Diff-Use a calculator	Categ
2	S2CALCA	S2CALCA:W2 S Some Diff-Use a calculator	Categ
2	R2PHONEA	R2PHONEA:W2 R Some Diff-Use telephone	Categ
3	R3PHONEA	R3PHONEA:W3 R Some Diff-Use telephone	Categ
4	R4PHONEA	R4PHONEA:W4 R Some Diff-Use telephone	Categ
5	R5PHONEA	R5PHONEA:W5 R Some Diff-Use telephone	Categ
6	R6PHONEA	R6PHONEA:W6 R Some Diff-Use telephone	Categ
7	R7PHONEA	R7PHONEA:W7 R Some Diff-Use telephone	Categ
8	R8PHONEA	R8PHONEA:W8 R Some Diff-Use telephone	Categ
9	R9PHONEA	R9PHONEA:W9 R Some Diff-Use telephone	Categ
10	R10PHONEA	R10PHONEA:W10 R Some Diff-Use telephone	Categ
11	R11PHONEA	R11PHONEA:W11 R Some Diff-Use telephone	Categ
12	R12PHONEA	R12PHONEA:W12 R Some Diff-Use telephone	Categ
2	S2PHONEA	S2PHONEA:W2 S Some Diff-Use telephone	Categ
3	S3PHONEA	S3PHONEA:W3 S Some Diff-Use telephone	Categ
4	S4PHONEA	S4PHONEA:W4 S Some Diff-Use telephone	Categ
5	S5PHONEA	S5PHONEA:W5 S Some Diff-Use telephone	Categ
6	S6PHONEA	S6PHONEA:W6 S Some Diff-Use telephone	Categ
7	S7PHONEA	S7PHONEA:W7 S Some Diff-Use telephone	Categ
8	S8PHONEA	S8PHONEA:W8 S Some Diff-Use telephone	Categ
9	S9PHONEA	S9PHONEA:W9 S Some Diff-Use telephone	Categ
10	S10PHONEA	S10PHONEA:W10 S Some Diff-Use telephone	Categ
11	S11PHONEA	S11PHONEA:W11 S Some Diff-Use telephone	Categ
12	S12PHONEA	S12PHONEA:W12 S Some Diff-Use telephone	Categ
2	R2MONEYA	R2MONEYA:W2 R Some Diff-Managing money	Categ
3	R3MONEYA	R3MONEYA:W3 R Some Diff-Managing money	Categ
4	R4MONEYA	R4MONEYA:W4 R Some Diff-Managing money	Categ
5	R5MONEYA	R5MONEYA:W5 R Some Diff-Managing money	Categ
6	R6MONEYA	R6MONEYA:W6 R Some Diff-Managing money	Categ
7	R7MONEYA	R7MONEYA:W7 R Some Diff-Managing money	Categ
8	R8MONEYA	R8MONEYA:W8 R Some Diff-Managing money	Categ
9	R9MONEYA	R9MONEYA:W9 R Some Diff-Managing money	Categ
10	R10MONEYA	R10MONEYA:W10 R Some Diff-Managing money	Categ
11	R11MONEYA	R11MONEYA:W11 R Some Diff-Managing money	Categ
12	R12MONEYA	R12MONEYA:W12 R Some Diff-Managing money	Categ
2	S2MONEYA	S2MONEYA:W2 S Some Diff-Managing money	Categ
3	S3MONEYA	S3MONEYA:W3 S Some Diff-Managing money	Categ

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 4    S4MONEYA            S4MONEYA:W4 S Some Diff-Managing money                    Categ
 5    S5MONEYA            S5MONEYA:W5 S Some Diff-Managing money                    Categ
 6    S6MONEYA            S6MONEYA:W6 S Some Diff-Managing money                    Categ
 7    S7MONEYA            S7MONEYA:W7 S Some Diff-Managing money                    Categ
 8    S8MONEYA            S8MONEYA:W8 S Some Diff-Managing money                    Categ
 9    S9MONEYA            S9MONEYA:W9 S Some Diff-Managing money                    Categ
10    S10MONEYA           S10MONEYA:W10 S Some Diff-Managing money                  Categ
11    S11MONEYA           S11MONEYA:W11 S Some Diff-Managing money                  Categ
12    S12MONEYA           S12MONEYA:W12 S Some Diff-Managing money                  Categ

 2    R2MEDSA             R2MEDSA:W2 R Some Diff-Take medications                   Categ
 3    R3MEDSA             R3MEDSA:W3 R Some Diff-Take medications                   Categ
 4    R4MEDSA             R4MEDSA:W4 R Some Diff-Take medications                   Categ
 5    R5MEDSA             R5MEDSA:W5 R Some Diff-Take medications                   Categ
 6    R6MEDSA             R6MEDSA:W6 R Some Diff-Take medications                   Categ
 7    R7MEDSA             R7MEDSA:W7 R Some Diff-Take medications                   Categ
 8    R8MEDSA             R8MEDSA:W8 R Some Diff-Take medications                   Categ
 9    R9MEDSA             R9MEDSA:W9 R Some Diff-Take medications                   Categ
10    R10MEDSA            R10MEDSA:W10 R Some Diff-Take medications                 Categ
11    R11MEDSA            R11MEDSA:W11 R Some Diff-Take medications                 Categ
12    R12MEDSA            R12MEDSA:W12 R Some Diff-Take medications                 Categ

 2    S2MEDSA             S2MEDSA:W2 S Some Diff-Take medications                   Categ
 3    S3MEDSA             S3MEDSA:W3 S Some Diff-Take medications                   Categ
 4    S4MEDSA             S4MEDSA:W4 S Some Diff-Take medications                   Categ
 5    S5MEDSA             S5MEDSA:W5 S Some Diff-Take medications                   Categ
 6    S6MEDSA             S6MEDSA:W6 S Some Diff-Take medications                   Categ
 7    S7MEDSA             S7MEDSA:W7 S Some Diff-Take medications                   Categ
 8    S8MEDSA             S8MEDSA:W8 S Some Diff-Take medications                   Categ
 9    S9MEDSA             S9MEDSA:W9 S Some Diff-Take medications                   Categ
10    S10MEDSA            S10MEDSA:W10 S Some Diff-Take medications                 Categ
11    S11MEDSA            S11MEDSA:W11 S Some Diff-Take medications                 Categ
12    S12MEDSA            S12MEDSA:W12 S Some Diff-Take medications                 Categ

 2    R2SHOPA             R2SHOPA:W2 R Some Diff-Shop for grocery                   Categ
 3    R3SHOPA             R3SHOPA:W3 R Some Diff-Shop for grocery                   Categ
 4    R4SHOPA             R4SHOPA:W4 R Some Diff-Shop for grocery                   Categ
 5    R5SHOPA             R5SHOPA:W5 R Some Diff-Shop for grocery                   Categ
 6    R6SHOPA             R6SHOPA:W6 R Some Diff-Shop for grocery                   Categ
 7    R7SHOPA             R7SHOPA:W7 R Some Diff-Shop for grocery                   Categ
 8    R8SHOPA             R8SHOPA:W8 R Some Diff-Shop for grocery                   Categ
 9    R9SHOPA             R9SHOPA:W9 R Some Diff-Shop for grocery                   Categ
10    R10SHOPA            R10SHOPA:W10 R Some Diff-Shop for grocery                 Categ
11    R11SHOPA            R11SHOPA:W11 R Some Diff-Shop for grocery                 Categ
12    R12SHOPA            R12SHOPA:W12 R Some Diff-Shop for grocery                 Categ

 2    S2SHOPA             S2SHOPA:W2 S Some Diff-Shop for grocery                   Categ
 3    S3SHOPA             S3SHOPA:W3 S Some Diff-Shop for grocery                   Categ
 4    S4SHOPA             S4SHOPA:W4 S Some Diff-Shop for grocery                   Categ
 5    S5SHOPA             S5SHOPA:W5 S Some Diff-Shop for grocery                   Categ
 6    S6SHOPA             S6SHOPA:W6 S Some Diff-Shop for grocery                   Categ
 7    S7SHOPA             S7SHOPA:W7 S Some Diff-Shop for grocery                   Categ
 8    S8SHOPA             S8SHOPA:W8 S Some Diff-Shop for grocery                   Categ
 9    S9SHOPA             S9SHOPA:W9 S Some Diff-Shop for grocery                   Categ
10    S10SHOPA            S10SHOPA:W10 S Some Diff-Shop for grocery                 Categ
11    S11SHOPA            S11SHOPA:W11 S Some Diff-Shop for grocery                 Categ
12    S12SHOPA            S12SHOPA:W12 S Some Diff-Shop for grocery                 Categ

 2    R2MEALSA            R2MEALSA:W2 R Some Diff-Prepare hot meal                  Categ
 3    R3MEALSA            R3MEALSA:W3 R Some Diff-Prepare hot meal                  Categ
 4    R4MEALSA            R4MEALSA:W4 R Some Diff-Prepare hot meal                  Categ
 5    R5MEALSA            R5MEALSA:W5 R Some Diff-Prepare hot meal                  Categ
 6    R6MEALSA            R6MEALSA:W6 R Some Diff-Prepare hot meal                  Categ
 7    R7MEALSA            R7MEALSA:W7 R Some Diff-Prepare hot meal                  Categ
 8    R8MEALSA            R8MEALSA:W8 R Some Diff-Prepare hot meal                  Categ
 9    R9MEALSA            R9MEALSA:W9 R Some Diff-Prepare hot meal                  Categ
10    R10MEALSA           R10MEALSA:W10 R Some Diff-Prepare hot meal                Categ
11    R11MEALSA           R11MEALSA:W11 R Some Diff-Prepare hot meal                Categ
12    R12MEALSA           R12MEALSA:W12 R Some Diff-Prepare hot meal                Categ

 2    S2MEALSA            S2MEALSA:W2 S Some Diff-Prepare hot meal                  Categ
 3    S3MEALSA            S3MEALSA:W3 S Some Diff-Prepare hot meal                  Categ
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4	S4MEALSA	S4MEALSA:W4 S Some Diff-Prepare hot meal	Categ
5	S5MEALSA	S5MEALSA:W5 S Some Diff-Prepare hot meal	Categ
6	S6MEALSA	S6MEALSA:W6 S Some Diff-Prepare hot meal	Categ
7	S7MEALSA	S7MEALSA:W7 S Some Diff-Prepare hot meal	Categ
8	S8MEALSA	S8MEALSA:W8 S Some Diff-Prepare hot meal	Categ
9	S9MEALSA	S9MEALSA:W9 S Some Diff-Prepare hot meal	Categ
10	S10MEALSA	S10MEALSA:W10 S Some Diff-Prepare hot meal	Categ
11	S11MEALSA	S11MEALSA:W11 S Some Diff-Prepare hot meal	Categ
12	S12MEALSA	S12MEALSA:W12 S Some Diff-Prepare hot meal	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MAPA	11302	0.21	0.41	0.0	1.0
R3MAPA	15422	0.18	0.38	0.0	1.0
R4MAPA	18519	0.13	0.33	0.0	1.0
R5MAPA	16789	0.13	0.34	0.0	1.0
R6MAPA	15757	0.14	0.34	0.0	1.0
R7MAPA	17533	0.13	0.33	0.0	1.0
R8MAPA	16258	0.14	0.35	0.0	1.0
R9MAPA	15094	0.14	0.34	0.0	1.0
R10MAPA	20248	0.14	0.35	0.0	1.0
R11MAPA	19010	0.15	0.35	0.0	1.0
R12MAPA	17424	0.16	0.37	0.0	1.0
S2MAPA	8671	0.19	0.39	0.0	1.0
S3MAPA	10835	0.15	0.36	0.0	1.0
S4MAPA	12735	0.10	0.30	0.0	1.0
S5MAPA	11493	0.10	0.30	0.0	1.0
S6MAPA	10668	0.11	0.31	0.0	1.0
S7MAPA	11889	0.10	0.30	0.0	1.0
S8MAPA	10799	0.10	0.31	0.0	1.0
S9MAPA	9861	0.10	0.31	0.0	1.0
S10MAPA	12814	0.11	0.32	0.0	1.0
S11MAPA	11917	0.11	0.32	0.0	1.0
S12MAPA	10554	0.13	0.33	0.0	1.0
R2CALCA	11052	0.09	0.29	0.0	1.0
S2CALCA	8477	0.08	0.27	0.0	1.0
R2PHONEA	19586	0.04	0.19	0.0	1.0
R3PHONEA	17848	0.05	0.22	0.0	1.0
R4PHONEA	21234	0.05	0.22	0.0	1.0
R5PHONEA	19426	0.05	0.22	0.0	1.0
R6PHONEA	18060	0.06	0.23	0.0	1.0
R7PHONEA	20002	0.05	0.22	0.0	1.0
R8PHONEA	18374	0.05	0.23	0.0	1.0
R9PHONEA	17111	0.06	0.23	0.0	1.0
R10PHONEA	21835	0.06	0.23	0.0	1.0
R11PHONEA	20470	0.06	0.23	0.0	1.0
R12PHONEA	18679	0.06	0.24	0.0	1.0
S2PHONEA	13059	0.03	0.17	0.0	1.0
S3PHONEA	11849	0.04	0.19	0.0	1.0
S4PHONEA	13908	0.04	0.20	0.0	1.0
S5PHONEA	12653	0.04	0.19	0.0	1.0

S6PHONEA	11592	0.04	0.19	0.0	1.0
S7PHONEA	12912	0.03	0.18	0.0	1.0
S8PHONEA	11686	0.04	0.19	0.0	1.0
S9PHONEA	10591	0.04	0.19	0.0	1.0
S10PHONEA	13400	0.04	0.20	0.0	1.0
S11PHONEA	12452	0.04	0.19	0.0	1.0
S12PHONEA	10998	0.04	0.20	0.0	1.0
R2MONEYA	18864	0.07	0.26	0.0	1.0
R3MONEYA	17413	0.07	0.26	0.0	1.0
R4MONEYA	20730	0.07	0.25	0.0	1.0
R5MONEYA	18931	0.07	0.26	0.0	1.0
R6MONEYA	17572	0.08	0.27	0.0	1.0
R7MONEYA	19373	0.07	0.26	0.0	1.0
R8MONEYA	17758	0.08	0.27	0.0	1.0
R9MONEYA	16573	0.08	0.27	0.0	1.0
R10MONEYA	21290	0.09	0.29	0.0	1.0
R11MONEYA	20024	0.08	0.28	0.0	1.0
R12MONEYA	18256	0.09	0.29	0.0	1.0
S2MONEYA	12522	0.05	0.23	0.0	1.0
S3MONEYA	11449	0.04	0.21	0.0	1.0
S4MONEYA	13484	0.04	0.20	0.0	1.0
S5MONEYA	12217	0.04	0.20	0.0	1.0
S6MONEYA	11167	0.04	0.21	0.0	1.0
S7MONEYA	12383	0.04	0.20	0.0	1.0
S8MONEYA	11177	0.05	0.21	0.0	1.0
S9MONEYA	10158	0.05	0.21	0.0	1.0
S10MONEYA	12962	0.06	0.24	0.0	1.0
S11MONEYA	12100	0.06	0.23	0.0	1.0
S12MONEYA	10659	0.06	0.24	0.0	1.0
R2MEDSA	19417	0.04	0.19	0.0	1.0
R3MEDSA	16707	0.04	0.20	0.0	1.0
R4MEDSA	20032	0.04	0.20	0.0	1.0
R5MEDSA	18522	0.04	0.20	0.0	1.0
R6MEDSA	17769	0.05	0.21	0.0	1.0
R7MEDSA	19682	0.04	0.20	0.0	1.0
R8MEDSA	18197	0.05	0.21	0.0	1.0
R9MEDSA	17003	0.05	0.22	0.0	1.0
R10MEDSA	21592	0.05	0.21	0.0	1.0
R11MEDSA	20275	0.05	0.22	0.0	1.0
R12MEDSA	18477	0.05	0.22	0.0	1.0
S2MEDSA	12968	0.03	0.18	0.0	1.0
S3MEDSA	11065	0.03	0.17	0.0	1.0
S4MEDSA	13114	0.03	0.17	0.0	1.0
S5MEDSA	12039	0.03	0.17	0.0	1.0
S6MEDSA	11411	0.03	0.17	0.0	1.0
S7MEDSA	12732	0.03	0.17	0.0	1.0
S8MEDSA	11584	0.03	0.18	0.0	1.0
S9MEDSA	10541	0.03	0.18	0.0	1.0
S10MEDSA	13265	0.03	0.18	0.0	1.0
S11MEDSA	12341	0.03	0.18	0.0	1.0
S12MEDSA	10890	0.03	0.18	0.0	1.0
R2SHOPA	7992	0.18	0.39	0.0	1.0
R3SHOPA	17312	0.11	0.31	0.0	1.0
R4SHOPA	20626	0.10	0.31	0.0	1.0

R5SHOPA	18827	0.11	0.31	0.0	1.0
R6SHOPA	17507	0.11	0.31	0.0	1.0
R7SHOPA	19389	0.10	0.31	0.0	1.0
R8SHOPA	17863	0.11	0.32	0.0	1.0
R9SHOPA	16682	0.11	0.31	0.0	1.0
R10SHOPA	21514	0.11	0.31	0.0	1.0
R11SHOPA	20209	0.11	0.32	0.0	1.0
R12SHOPA	18439	0.12	0.32	0.0	1.0
S2SHOPA	4209	0.13	0.34	0.0	1.0
S3SHOPA	11437	0.07	0.26	0.0	1.0
S4SHOPA	13488	0.07	0.25	0.0	1.0
S5SHOPA	12236	0.07	0.25	0.0	1.0
S6SHOPA	11210	0.07	0.25	0.0	1.0
S7SHOPA	12484	0.07	0.25	0.0	1.0
S8SHOPA	11343	0.08	0.26	0.0	1.0
S9SHOPA	10327	0.07	0.26	0.0	1.0
S10SHOPA	13222	0.07	0.26	0.0	1.0
S11SHOPA	12305	0.08	0.27	0.0	1.0
S12SHOPA	10869	0.08	0.27	0.0	1.0
R2MEALSA	7785	0.10	0.30	0.0	1.0
R3MEALSA	16981	0.07	0.26	0.0	1.0
R4MEALSA	20244	0.07	0.26	0.0	1.0
R5MEALSA	18466	0.08	0.27	0.0	1.0
R6MEALSA	17115	0.08	0.28	0.0	1.0
R7MEALSA	19063	0.08	0.26	0.0	1.0
R8MEALSA	17612	0.08	0.27	0.0	1.0
R9MEALSA	16449	0.08	0.27	0.0	1.0
R10MEALSA	21329	0.08	0.27	0.0	1.0
R11MEALSA	20023	0.08	0.28	0.0	1.0
R12MEALSA	18327	0.08	0.28	0.0	1.0
S2MEALSA	4010	0.08	0.28	0.0	1.0
S3MEALSA	11119	0.05	0.21	0.0	1.0
S4MEALSA	13127	0.05	0.21	0.0	1.0
S5MEALSA	11906	0.05	0.22	0.0	1.0
S6MEALSA	10880	0.05	0.22	0.0	1.0
S7MEALSA	12208	0.05	0.21	0.0	1.0
S8MEALSA	11160	0.05	0.22	0.0	1.0
S9MEALSA	10132	0.05	0.22	0.0	1.0
S10MEALSA	13080	0.05	0.22	0.0	1.0
S11MEALSA	12177	0.06	0.23	0.0	1.0
S12MEALSA	10776	0.06	0.23	0.0	1.0

Categorical Variable Codes

Value	R2MAPA	R3MAPA	R4MAPA	R5MAPA	R6MAPA	R7MAPA
.D=DK/NA	18	8	18	14	18	10
.Q=Not asked this wv	8222					
.R=RF	2	4	6	3		6
.S=Skip		36	28	24	7	10
.X=Don't do	98	2521	2813	2749	2383	2570
0.No	8949	12656	16175	14614	13596	15287
1.Yes	2353	2766	2344	2175	2161	2246

Value	R8MAPA	R9MAPA	R10MAPA	R11MAPA	R12MAPA
.D=DK/NA	15	14	31	36	34
.R=RF	3	3	6	7	9
.S=Skip	7	9	135	18	17
.X=Don't do	2186	2097	1614	1483	1264
0.No	14013	13038	17338	16252	14600
1.Yes	2245	2056	2910	2758	2824

Value	S2MAPA	S3MAPA	S4MAPA	S5MAPA	S6MAPA	S7MAPA
.D=DK/NA	12	3	6	5	10	4
.Q=Not asked this wv	4549					
.R=RF	2	2	1	1		4
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
.X=Don't do	54	1064	1229	1226	958	1074
0.No	7037	9224	11466	10334	9533	10712
1.Yes	1634	1611	1269	1159	1135	1177

Value	S8MAPA	S9MAPA	S10MAPA	S11MAPA	S12MAPA
.D=DK/NA	7	7	8	17	13
.R=RF	3	1	3	2	3
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	925	775	607	548	457
0.No	9673	8835	11361	10566	9220
1.Yes	1126	1026	1453	1351	1334

Value	R2CALCA
.D=DK/NA	19
.Q=Not asked this wv	8222
.R=RF	3
.X=Don't do	346
0.No	10050
1.Yes	1002

Value	S2CALCA
.D=DK/NA	16
.Q=Not asked this wv	4549
.R=RF	3
.U=Unmarried	5970
.V=Spouse NR	384
.X=Don't do	243
0.No	7807
1.Yes	670

Value	R2PHONEA	R3PHONEA	R4PHONEA	R5PHONEA	R6PHONEA	R7PHONEA
.D=DK/NA	3	1	4	2	1	4
.M=Oth missing	1					
.R=RF	3	3	3	2		6
.S=Skip		36	28	24	7	10
.X=Don't do	49	103	115	125	97	107
0.No	18862	16925	20118	18419	17019	18978
1.Yes	724	923	1116	1007	1041	1024

Value	R8PHONEA	R9PHONEA	R10PHONEA	R11PHONEA	R12PHONEA
.D=DK/NA	3	5	3	6	5
.R=RF	2	1	4	1	1
.S=Skip	7	9	135	18	17
.X=Don't do	83	91	57	59	46
0.No	17372	16137	20574	19292	17546
1.Yes	1002	974	1261	1178	1133

Value	S2PHONEA	S3PHONEA	S4PHONEA	S5PHONEA	S6PHONEA	S7PHONEA
.D=DK/NA			1			1
.M=Oth missing	1					
.R=RF	3	2		1		4
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	25	53	62	71	44	54
0.No	12653	11389	13355	12192	11141	12477
1.Yes	406	460	553	461	451	435

Value	S8PHONEA	S9PHONEA	S10PHONEA	S11PHONEA	S12PHONEA
.D=DK/NA		4	3	2	2
.R=RF	1	1	2		
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	47	48	27	30	27
0.No	11243	10189	12849	11961	10529
1.Yes	443	402	551	491	469

Value	R2MONEYA	R3MONEYA	R4MONEYA	R5MONEYA	R6MONEYA	R7MONEYA
.D=DK/NA	5	1	3	4	3	4
.M=Oth missing	4	1				
.R=RF	4	3	4	2	3	8
.S=Skip		36	28	25	7	10
.X=Don't do	765	537	619	617	580	734
0.No	17539	16166	19305	17562	16196	17980
1.Yes	1325	1247	1425	1369	1376	1393

Value	R8MONEYA	R9MONEYA	R10MONEYA	R11MONEYA	R12MONEYA
.D=DK/NA	3	3	9	9	10
.R=RF	3	2	10	4	4
.S=Skip	7	9	135	18	17
.X=Don't do	698	630	590	499	461
0.No	16377	15225	19379	18323	16560
1.Yes	1381	1348	1911	1701	1696

Value	S2MONEYA	S3MONEYA	S4MONEYA	S5MONEYA	S6MONEYA	S7MONEYA
.D=DK/NA	4		1	2	2	1
.M=Oth missing	2	1				
.R=RF	3	2		1	3	4
.S=Skip		11	7	6	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	557	452	486	504	464	583
0.No	11841	10938	12906	11700	10667	11840
1.Yes	681	511	578	517	500	543

Value	S8MONEYA	S9MONEYA	S10MONEYA	S11MONEYA	S12MONEYA
.D=DK/NA	1	1	5	2	3
.R=RF	2	2	4		
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	554	483	461	382	365
0.No	10666	9692	12168	11408	9991
1.Yes	511	466	794	692	668

Value	R2MEDSA	R3MEDSA	R4MEDSA	R5MEDSA	R6MEDSA	R7MEDSA
.D=DK/NA	4	1	6	2	6	6
.M=Oth missing	1					
.R=RF	2	4	4	2		4
.S=Skip		36	28	24	7	36
.X=Don't do	218	1243	36	24	7	14
.Z=Don't do/No if did			1278	1005	376	387
0.No	18674	16009	19211	17733	16962	18829
1.Yes	743	698	821	789	807	853

Value	R8MEDSA	R9MEDSA	R10MEDSA	R11MEDSA	R12MEDSA
.D=DK/NA	2		3	7	5
.R=RF	3	1	6	3	1
.S=Skip	7	9	135	18	17
.X=Don't do	9	9	30	16	25
.Z=Don't do/No if did	251	195	268	235	223
0.No	17322	16149	20552	19282	17520
1.Yes	875	854	1040	993	957

Value	S2MEDSA	S3MEDSA	S4MEDSA	S5MEDSA	S6MEDSA	S7MEDSA
.D=DK/NA	4		3			2
.M=Oth missing	1					
.R=RF	2	2		1		2
.S=Skip		11	7	5	3	10
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	113	837	23	13	3	9
.Z=Don't do/No if did			831	672	222	217
0.No	12549	10738	12730	11701	11077	12370
1.Yes	419	327	384	338	334	362

Value	S8MEDSA	S9MEDSA	S10MEDSA	S11MEDSA	S12MEDSA
.D=DK/NA				3	
.R=RF	2	1	3		
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	6	5	17	4	15
.Z=Don't do/No if did	142	97	147	136	122
0.No	11212	10197	12821	11931	10527
1.Yes	372	344	444	410	363

Value	R2SHOPA	R3SHOPA	R4SHOPA	R5SHOPA	R6SHOPA	R7SHOPA
.D=DK/NA	1	2		2	1	4
.M=Oth missing	1					
.Q=Not asked this wv	11420					
.R=RF		3	6	2		6
.S=Skip		36	28	24	7	45
.X=Don't do	228	638	724	724	650	685
0.No	6535	15421	18465	16827	15568	17375
1.Yes	1457	1891	2161	2000	1939	2014

Value	R8SHOPA	R9SHOPA	R10SHOPA	R11SHOPA	R12SHOPA
.D=DK/NA	1	1	6	10	9
.R=RF	3	1	6	6	1
.S=Skip	7	9	135	18	17
.X=Don't do	595	524	373	311	282
0.No	15820	14828	19170	17916	16295
1.Yes	2043	1854	2344	2293	2144

Value	S2SHOPA	S3SHOPA	S4SHOPA	S5SHOPA	S6SHOPA	S7SHOPA
.D=DK/NA	1				1	2
.M=Oth missing	1					
.Q=Not asked this wv	9123					
.R=RF		2	1	1		4
.S=Skip		11	7	5	3	10
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=Don't do	138	465	482	488	425	472
0.No	3662	10630	12565	11385	10457	11663
1.Yes	547	807	923	851	753	821

Value	S8SHOPA	S9SHOPA	S10SHOPA	S11SHOPA	S12SHOPA
.D=DK/NA		1	3	6	4
.R=RF	2	1	2	2	
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	389	315	205	171	154
0.No	10487	9602	12249	11360	10001
1.Yes	856	725	973	945	868

Value	R2MEALSA	R3MEALSA	R4MEALSA	R5MEALSA	R6MEALSA	R7MEALSA
.D=DK/NA		1	1	3	3	2
.M=Oth missing	1					
.Q=Not asked this wv	11420					
.R=RF	1	3	5	3		5
.S=Skip		36	28	24	7	10
.X=Don't do	435	970	1106	1083	1040	1049
0.No	7018	15739	18781	17034	15689	17625
1.Yes	767	1242	1463	1432	1426	1438

Value	R8MEALSA	R9MEALSA	R10MEALSA	R11MEALSA	R12MEALSA
.D=DK/NA		2	6	8	9
.R=RF	3	1	6	5	2
.S=Skip	7	9	135	18	17
.X=Don't do	847	756	558	500	393
0.No	16216	15095	19648	18341	16776
1.Yes	1396	1354	1681	1682	1551

Value	S2MEALSA	S3MEALSA	S4MEALSA	S5MEALSA	S6MEALSA	S7MEALSA
.D=DK/NA					2	1
.M=Oth missing	1					
.Q=Not asked this wv	9123					
.R=RF		2		1		3
.S=Skip		11	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=Don't do	338	783	844	818	754	759
0.No	3676	10591	12505	11309	10343	11639
1.Yes	334	528	622	597	537	569

Value	S8MEALSA	S9MEALSA	S10MEALSA	S11MEALSA	S12MEALSA
.D=DK/NA			2	5	6
.R=RF	2	1	3	1	1
.S=Skip	1	2	81	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	572	511	347	301	244
0.No	10577	9637	12393	11489	10163
1.Yes	583	495	687	688	613

How Constructed

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. These variables recode the raw variables for difficulty with instrumental activities of daily living (IADLs) as yes/no dummy variables, where "1" means "some difficulty" and "0" means not. Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement function in Wave 1. The measures described here are using the phone (RwPHONEA), taking medications (RwMEDSA), managing money (RwMONEYA), shopping for groceries (RwSHOPA), preparing meals (RwMEALSA), using a map (RwMAPA), and using a calculator (RwCALCA). In the following, references to Rw[iadl]A apply to all these variables.

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in all waves except Wave 2A. From Wave 3 forward, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map.

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. For example, in Wave 2H, "don’t do" is not presented as an option in the instrument, and there are noticeably fewer "don’t do" answers in this wave. Also "can’t do" is not allowed as an answer in Wave 2H. In Wave 2A, the questions are based on whether the IADL can be done without help, and not specifically whether the Respondent has difficulty with it. In addition there is a slight difference in the question wording for using a map, and a difference in the questions for taking any medications between Wave 3 and later waves. The questions, and therefore, consistency, is much better beginning in Wave 4.

The variable derivations for some difficulty with IADLs(Rw[iadl]A) vary across waves because the question and responses can vary across waves. In all waves, a "don't know" or "refuse" answer to the first question is set to .D or .R, respectively. Generally a "1" indicates "some difficultly or can't do," "0" indicates "no difficulty" and "don't do" is set to special missing code .X, since the Respondent hasn't revealed whether he/she would have difficulty with the activity if he/she ever did it.

In Wave 2H, if a Respondent answers "yes" to the first question ("Do you have any difficulty with ...") R2[iadl]A is set to "1" for "some difficulty," regardless of how much difficulty the Respondent says he/she has in the follow-up question. The questions about shopping and preparing meals were not asked in this wave, so R2SHOPA and R2MEALSA are set to .Q for HRS Respondents in Wave 2.

In Wave 2A, the questions ask if the Respondent is able to do an activity without help. If the Respondent says s/he doesn't do the activity then a question asks if this is because of a health problem. Another question about difficulty groups shopping, preparing meals, taking medications, and using the phone together in one question. Because it is impossible to separate answers for specific IADLs, we don't use this question. So if the answer to the first question about doing an activity without help is "no," R2[iadl]A is set to "1," for "some difficulty," and if the answer is "yes," i.e., able to do without help, R2[iadl]A is set to "0," for "no difficulty." If the answer is "don't do" and it is because of a health problem, we set R2[iadl]A to "1" for "some difficulty." Otherwise a "don't do" response is set to .X.

For managing money in Wave 2A, "don't do" is not a possible answer, but those who respond "no" to the first question are asked if it is because of a health problem. In this case, if the Respondent is unable to manage money because of a health problem, R2MONEYA is set to "1" for "some difficulty." If unable to manage money, but not because of a health problem, R2MONEYA is set to .X for "don't do." If the Respondent is able to manage money without help, then R2MONEYA is set to "0" for "no difficulty." In Wave 2A, questions about using a map and using a calculator are not asked, so R2MAPA and R2CALCA are set to .Q for AHEAD Respondents in Wave 2.

For using a map, from Wave 3 forward, if a Respondent answers "yes" or "can't do" to a question asking if s/he has any difficulty, Rw[iadl]A is set to "1" for "some difficulty." If the answer is "no," Rw[iadl]A is set to "0," and if the answer is "don't do," Rw[iadl]A is set to .X.

For taking medications, the questions are different in Wave 3 than for later waves. In Wave 3, if the answer to the first question about any difficulty is "no" or "yes," then R3MEDSA is set to "0" for "no difficulty" or "1" for "some difficulty," respectively. If the answer is "can't do" and it is because of a health problem, then R3MEDSA is set to "1" for "some difficulty." If it isn't because of a health problem, or if the answer to the first question is "don't take medications," then R3MEDSA is set to .X. From Wave 4 forward, the coding is done in the same way as in Wave 3, except if the Respondent says "don't do" to the first question. In this case, another question asks if s/he thinks s/he would have difficulty if s/he did take medications. If the answer to this question is "yes," and it is because of a health problem, then RwMEDSA is set to "1" for "some difficulty." If the answer to this question is "no," then RwMEDSA is set to .Z, for "don't do, but wouldn't have difficulty if did." Otherwise RwMEDSA is set to .X.

For other IADLs from Wave 3 forward, if a Respondent answers "no" or "yes" to a question asking if s/he has any difficulty, Rw[iadl]A is set to "0" for "no difficulty" or "1" for "some difficulty," respectively. If the answer is "can't do" or "don't do" and it is because of a health problem, Rw[iadl]A is set to "1" for "some difficulty." Otherwise, Rw[iadl]A is set to .X.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of the Rw[iadl]A variables are used to construct an IADL summary index. Please see "IADL Summary."

Another version of these variables simply recodes the raw HRS variables. Please see "Instrumental Activities of Daily Living (IADLs): Raw recodes" for a description of this version.

A third version of these variables is derived for Wave 1 only (R1[iadl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "IADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1MAPW, R1CALCW, R1MCWVW, and R1COMPW variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[iadl]A) solely due to measurement differences in the raw data. The R1[iadl]W variables are not appropriate for comparison to the Rw[iadl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. Some measures described here are not normally used as IADLs, but are included with them because they seemed to serve a similar measurement function in Wave 1. The IADL measures described here are: using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP).

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in all waves except Wave 2A. From Wave 3 forward, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer "not at all difficult," "a little difficult," "somewhat difficult," "very difficult/can't do," or "don't do." The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "Don't do" response. The specific wording for the IADLs is: use a map to figure out how to get around a strange place, use a microwave oven after reading the instructions, use a calculator to help balance your checkbook, and use a computer or word processor.

In Wave 2H the question wording is similar to that in Wave 1, but is asked in 2 parts:

1) "Here are some other activities that people may have difficulty with. Do you have any difficulty with ...?" Respondent can answer yes or no.

2) [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so are observed less frequently than in other waves, simply because of questionnaire differences. This difference is considerable

among the IADLs. The specific wording for the IADLs is: using a map to figure out how to get around a strange place, using a calculator to help balance your checkbook, managing your money, making telephone calls, and following instructions for taking prescription medications.

In Wave 2A, the questions are asked differently for managing money and for other IADLs. The section is prefaced with the following:

"Here are a few other daily activities which some people have difficulty with. Please tell me whether you are able to do each activity without help from anyone else. If you don't do the activity at all, just tell me so."

Except for managing money, the IADL questions ask:

"Are you able to .. without help?" [IF DON'T DO] "Is that because of a health problem?"

If the Respondent reports being able to do any one of these activities without help, a question asks:

"Without help do you have any difficulty with [list of all applicable IADLs]?" [IF YES] "Is that a little or a lot of difficulty?"

The specific wording for these activities is: prepare(ing) hot meals, shop(ping) for groceries, make(ing) telephone calls and take(ing) medications.

For managing money the Wave 2A questions ask:

1) "Do you manage your money-such as paying your bills and keeping track of expenses, without anyone's help?"

2) [IF NO] "Is that because of a health or memory condition?"

3) [IF YES, DK, or RF to Q1, or YES to Q2] "Do you have any difficulty managing your money (when someone is helping you/without help)?"

4) [IF YES to Q3] "Is that a little or a lot of difficulty?"

From Wave 3 forward, the question wording is again similar to that in Wave 1, but prefaced with additional text. The question asks:

"Here are a few other activities which some people have difficulty with because of a physical, mental, emotional, or memory problem. Please tell me if you have any difficulty with each activity I name. If you don't do the activity at all, just tell me so. Exclude any difficulties you expect to last less than three months."

For using a map, the question in Wave 3 is: "Do you have any difficulty using a map to figure out how to get around in a strange place?" From Wave 4 forward, this is prefaced with "Because of a health or memory problem...." Responses may be "yes," "no," "can't do," or "don't do."

For other IADLs, a series of questions may be asked:

1) "Because of a health or memory problem do you have any difficulty with ...?" The Respondent can answer "yes," "no," "can't do", or "don't do." In Wave 3, for taking medications, the wording for "don't do" is "don't take medications."

2) From Wave 4 forward for taking medications [If DON'T DO to Q1] "Do you think you would have any difficulty

taking medications if you needed to do so?"

3) [If YES, DK, or RF to Q2 for taking medications from Wave 4 forward; CAN'T DO to Q1 for taking medications in Wave 3; or CAN'T DO or DON'T DO to Q1 for all other activities] "Is that because of a health or memory problem?" The Respondent can answer "yes" or "no." In Wave 3A, this question is also asked if the response to Q1 is don't know or refuse. In Wave 3A and 3H, this question is skipped for a "don't take medications" response. From Wave 4 forward, whether the question is asked depends on the answer to Q2 for taking medications, if Q1 had a "don't do" response.

4) [If YES, DK, or RF to Q1 or Q3] "Does anyone help you ...?" The Respondent can answer "yes" or "no." In Wave 3, this question is not asked for managing money when the Q1 response is "Don't Know" or "Refuse." From Wave 4 forward, this question is not asked if the Respondent is living in a nursing home. In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the IADLs,except help with medications and money.

The specific wording for these activities is: prepare(ing) a hot meal, shop(ping) for groceries, make(ing) phone calls, take(ing) medications, and manage(ing) your money – such as paying your bills and keeping track of expenses.

HRS Variables Used

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AHEAD 1993:
    B903A1          E52. IADL W/OUT HELP-PREPARE HOT MEAL
    B903A2          E52. IADL W/OUT HELP-SHOP FOR GROCERIES
    B903A3          E52. IADL W/OUT HELP-MAKE PHONE CALLS
    B903A4          E52. IADL W/OUT HELP-TAKE MEDICATIONS
    B904A1          E52a. IADL WHY DONT-PREPARE HOT MEALS
    B904A2          E52a. IADL WHY DONT-SHOP FOR GROCERIES
    B904A3          E52a. IADL WHY DONT-MAKE PHONE CALLS
    B904A4          E52a. IADL WHY DONT-TAKE MEDICATIONS
    B948            E57. IADL MONEY
    B949            E57a. MONEY WHY CANT
HRS 1994:
    W323            B5.USING A MAP
    W324            B5a.USING A CALCULATOR
    W325            B5b.MANAGING MONEY
    W326            B5c.MAKING TELEPHONE CAL
    W327            B5d.TAKING PRESCRIPTION
AHEAD 1995:
    D2012           E93.MAPS
    D2021           E95.IADL MEALS DIFF
    D2023           E95B.MEALS -WHY DONT
    D2026           E96.IADL GROC DIFF
    D2028           E96B.GROC -WHY DONT
    D2031           E97.IADLS PHONE DIFF
    D2033           E97B.PHONE -WHY DONT
    D2036           E98.IADLS MEDICATION DIFF
    D2038           E98B.MED-WHY DONT
    D2099           E106.IADL MONEY DIFF
    D2100           E106A.MONEY HEALTH PROBLEM
HRS 1996:
    E2027           E93.MAPS
    E2036           E95.IADL MEALS DIFF
    E2038           E95B.MEALS -WHY DONT
    E2041           E96.IADL GROC DIFF
    E2043           E96B.GROC -WHY DONT
    E2046           E97.IADLS PHONE DIFF
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    E2048           E97B.PHONE -WHY DONT
    E2051           E98.IADLS MEDICATION DIFF
    E2053           E98B.MED-WHY DONT
    E2093           E106.IADL MONEY DIFF
    E2094           E106A.MONEY HEALTH PROBLEM
HRS 1998:
    F2553           E93.MAPS
    F2562           E95.IADL MEALS DIFF
    F2564           E95B.MEALS -WHY DONT
    F2567           E96.IADL GROC DIFF
    F2569           E96B.GROC -WHY DONT
    F2572           E97.IADLS PHONE DIFF
    F2574           E97B.PHONE -WHY DONT
    F2577           E98.IADLS MEDICATION DIFF
    F2578           E98A
    F2579           E98B.MED-WHY DONT
    F2618           E106.IADL MONEY DIFF
    F2619           E106A.MONEY HEALTH PROBLEM
HRS 2000:
    G2851           E93.MAPS
    G2860           E95.IADL MEALS DIFF
    G2862           E95B.MEALS -WHY DONT
    G2865           E96.IADL GROC DIFF
    G2867           E96B.GROC -WHY DONT
    G2870           E97.IADLS PHONE DIFF
    G2872           E97B.PHONE -WHY DONT
    G2875           E98.IADLS MEDICATION DIFF
    G2876           E98A.IADLS MED IF NEEDED DIFF
    G2877           E98B.MED-WHY DONT
    G2916           E106.IADL MONEY DIFF
    G2917           E106A.MONEY HEALTH PROBLEM
HRS 2002:
    HG040           DIFFICULTY- USING MAPS
    HG041           IADL MEAL PREPARATION DIFFICULTY
    HG042           WHY- MEAL PREPARATION DIFFICULTY
    HG044           IADL GROC SHOP DIFFICULTY
    HG045           WHY- GROC SHOP DIFFICULTY
    HG047           IADL MAKING PHONE CALLS DIFFICULTY
    HG048           WHY- MAKING PHONE CALLS DIFFICULTY
    HG050           IADL TAKING MEDICATION DIFFICULTY
    HG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    HG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    HG059           IADL MANAGING MONEY DIFFICULTY
    HG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2004:
    JG040           DIFFICULTY- USING MAPS
    JG041           IADL MEAL PREPARATION DIFFICULTY
    JG042           WHY- MEAL PREPARATION DIFFICULTY
    JG044           IADL GROC SHOP DIFFICULTY
    JG045           WHY- GROC SHOP DIFFICULTY
    JG047           IADL MAKING PHONE CALLS DIFFICULTY
    JG048           WHY- MAKING PHONE CALLS DIFFICULTY
    JG050           IADL TAKING MEDICATION DIFFICULTY
    JG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    JG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    JG059           IADL MANAGING MONEY DIFFICULTY
    JG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2006:
    KG040           DIFFICULTY- USING MAPS
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    KG041           IADL MEAL PREPARATION DIFFICULTY
    KG042           WHY- MEAL PREPARATION DIFFICULTY
    KG044           IADL GROC SHOP DIFFICULTY
    KG045           WHY- GROC SHOP DIFFICULTY
    KG047           IADL MAKING PHONE CALLS DIFFICULTY
    KG048           WHY- MAKING PHONE CALLS DIFFICULTY
    KG050           IADL TAKING MEDICATION DIFFICULTY
    KG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    KG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    KG059           IADL MANAGING MONEY DIFFICULTY
    KG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2008:
    LG040           DIFFICULTY- USING MAPS
    LG041           IADL MEAL PREPARATION DIFFICULTY
    LG042           WHY- MEAL PREPARATION DIFFICULTY
    LG044           IADL GROC SHOP DIFFICULTY
    LG045           WHY- GROC SHOP DIFFICULTY
    LG047           IADL MAKING PHONE CALLS DIFFICULTY
    LG048           WHY- MAKING PHONE CALLS DIFFICULTY
    LG050           IADL TAKING MEDICATION DIFFICULTY
    LG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    LG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    LG059           IADL MANAGING MONEY DIFFICULTY
    LG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2010:
    MG040           DIFFICULTY- USING MAPS
    MG041           IADL MEAL PREPARATION DIFFICULTY
    MG042           WHY- MEAL PREPARATION DIFFICULTY
    MG044           IADL GROC SHOP DIFFICULTY
    MG045           WHY- GROC SHOP DIFFICULTY
    MG047           IADL MAKING PHONE CALLS DIFFICULTY
    MG048           WHY- MAKING PHONE CALLS DIFFICULTY
    MG050           IADL TAKING MEDICATION DIFFICULTY
    MG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    MG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    MG059           IADL MANAGING MONEY DIFFICULTY
    MG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2012:
    NG040           DIFFICULTY- USING MAPS
    NG041           IADL MEAL PREPARATION DIFFICULTY
    NG042           WHY- MEAL PREPARATION DIFFICULTY
    NG044           IADL GROC SHOP DIFFICULTY
    NG045           WHY- GROC SHOP DIFFICULTY
    NG047           IADL MAKING PHONE CALLS DIFFICULTY
    NG048           WHY- MAKING PHONE CALLS DIFFICULTY
    NG050           IADL TAKING MEDICATION DIFFICULTY
    NG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    NG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    NG059           IADL MANAGING MONEY DIFFICULTY
    NG060           WHY- MANAGING MONEY DIFFICULTY
HRS 2014:
    OG040           DIFFICULTY- USING MAPS
    OG041           IADL MEAL PREPARATION DIFFICULTY
    OG042           WHY- MEAL PREPARATION DIFFICULTY
    OG044           IADL GROC SHOP DIFFICULTY
    OG045           WHY- GROC SHOP DIFFICULTY
    OG047           IADL MAKING PHONE CALLS DIFFICULTY
    OG048           WHY- MAKING PHONE CALLS DIFFICULTY
    OG050           IADL TAKING MEDICATION DIFFICULTY
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OG051          IADL TAKING MEDS IF NEEDED DIFFICULTY
OG052          WHY-  TAKING MEDICATIONS DIFFICULTY
OG059          IADL MANAGING MONEY DIFFICULTY
OG060          WHY- MANAGING MONEY DIFFICULTY
```

IADLs: Recodes for comparison to Wallace and Herzog

Wave	Variable	Label	Type
1	R1MAPW	R1MAPW:W1 R Any Diff-Use a map	Categ
1	S1MAPW	S1MAPW:W1 S Any Diff-Use a map	Categ
1	R1CALCW	R1CALCW:W1 R Any Diff-Use a calculator	Categ
1	S1CALCW	S1CALCW:W1 S Any Diff-Use a calculator	Categ
1	R1MCWVW	R1MCWVW:W1 R Any Diff-Use a microwave	Categ
1	S1MCWVW	S1MCWVW:W1 S Any Diff-Use a microwave	Categ
1	R1COMPW	R1COMPW:W1 R Any Diff-Use a computer	Categ
1	S1COMPW	S1COMPW:W1 S Any Diff-Use a computer	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MAPW	12188	0.33	0.47	0.0	1.0
S1MAPW	9620	0.31	0.46	0.0	1.0
R1CALCW	11254	0.11	0.32	0.0	1.0
S1CALCW	8923	0.11	0.31	0.0	1.0
R1MCWVW	12095	0.11	0.31	0.0	1.0
S1MCWVW	9562	0.10	0.31	0.0	1.0
R1COMPW	7334	0.45	0.50	0.0	1.0
S1COMPW	5821	0.45	0.50	0.0	1.0

Categorical Variable Codes

Value	R1MAPW
.X=Don't do	464
0.No	8225
1.Yes	3963

Value	S1MAPW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	280
0.No	6644
1.Yes	2976

Value	R1CALCW
.X=Don't do	1398
0.No	9979
1.Yes	1275

Value	S1CALCW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	977
0.No	7973
1.Yes	950

Value	R1MCWVW
.X=Don't do	557
0.No	10797
1.Yes	1298

Value	S1MCWVW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	338
0.No	8560
1.Yes	1002

Value	R1COMPW
.X=Don't do	5318
0.No	4059
1.Yes	3275

Value	S1COMPW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	4079
0.No	3218
1.Yes	2603

How Constructed

These IADL variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the IADL variables to 1 for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult," or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of these (RwMAP, RwCALC, R1MCWV, R1COMP) under "Instrumental Activities of Daily Living (IADLs): Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these (RwMAPA, RwCALCA, R1MCWVA, R1COMPA) under "Instrumental Activities of Daily Living (IADLs): Some difficulty."

Some of the Wallace and Herzog indices are also derived, and include some of these measures in creating functional limitation indices, including an IADL summary index for Wave 1. Please see "IADL Summary."

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves.

Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. From Wave 2A and Wave 3 forward, the questions about using a calculator are no longer asked, but shopping for groceries and preparing meals are added. Please note that only using a map is consistently asked in all waves, except Wave 2A.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer: not at all difficult, a little difficult, somewhat difficult, very difficult/can't do, or don't do. The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "Don't do" response.

The wording for the map activity is "use a map to figure out how to get around a strange place." The wording for the calculator activity is "use a calculator to help balance your checkbook." The wording for the microwave activity is "use a microwave oven after reading the instructions." The wording for the computer activity is "use a computer or word processor."

In subsequent waves, there is a question that simply asks if the Respondent has any difficulty with a particular activity. The question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

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HRS 1992:
    V321            B5A:USE MAP, STRNG P:IMP
    V322            B5B:USE MCRWV W/ INS:IMP
    V323            B5C:USE CALCULATOR  :IMP
    V324            B5D:USE COMPUTER    :IMP
```

Other Functional Limitations: Raw recodes

Wave	Variable	Label	Type
1	R1WALKS	R1WALKS:W1 R Diff-Walk sev blocks	Categ
2	R2WALKS	R2WALKS:W2 R Diff-Walk sev blocks	Categ
3	R3WALKS	R3WALKS:W3 R Diff-Walk sev blocks	Categ
4	R4WALKS	R4WALKS:W4 R Diff-Walk sev blocks	Categ
5	R5WALKS	R5WALKS:W5 R Diff-Walk sev blocks	Categ
6	R6WALKS	R6WALKS:W6 R Diff-Walk sev blocks	Categ
7	R7WALKS	R7WALKS:W7 R Diff-Walk sev blocks	Categ
8	R8WALKS	R8WALKS:W8 R Diff-Walk sev blocks	Categ
9	R9WALKS	R9WALKS:W9 R Diff-Walk sev blocks	Categ
10	R10WALKS	R10WALKS:W10 R Diff-Walk sev blocks	Categ
11	R11WALKS	R11WALKS:W11 R Diff-Walk sev blocks	Categ
12	R12WALKS	R12WALKS:W12 R Diff-Walk sev blocks	Categ
1	S1WALKS	S1WALKS:W1 S Diff-Walk sev blocks	Categ
2	S2WALKS	S2WALKS:W2 S Diff-Walk sev blocks	Categ
3	S3WALKS	S3WALKS:W3 S Diff-Walk sev blocks	Categ
4	S4WALKS	S4WALKS:W4 S Diff-Walk sev blocks	Categ
5	S5WALKS	S5WALKS:W5 S Diff-Walk sev blocks	Categ
6	S6WALKS	S6WALKS:W6 S Diff-Walk sev blocks	Categ
7	S7WALKS	S7WALKS:W7 S Diff-Walk sev blocks	Categ
8	S8WALKS	S8WALKS:W8 S Diff-Walk sev blocks	Categ
9	S9WALKS	S9WALKS:W9 S Diff-Walk sev blocks	Categ
10	S10WALKS	S10WALKS:W10 S Diff-Walk sev blocks	Categ
11	S11WALKS	S11WALKS:W11 S Diff-Walk sev blocks	Categ
12	S12WALKS	S12WALKS:W12 S Diff-Walk sev blocks	Categ
1	R1JOG	R1JOG:W1 R Diff-Jog one mile	Categ
2	R2JOG	R2JOG:W2 R Diff-Jog one mile	Categ
3	R3JOG	R3JOG:W3 R Diff-Jog one mile	Categ
4	R4JOG	R4JOG:W4 R Diff-Jog one mile	Categ
5	R5JOG	R5JOG:W5 R Diff-Jog one mile	Categ
6	R6JOG	R6JOG:W6 R Diff-Jog one mile	Categ
7	R7JOG	R7JOG:W7 R Diff-Jog one mile	Categ
8	R8JOG	R8JOG:W8 R Diff-Jog one mile	Categ
9	R9JOG	R9JOG:W9 R Diff-Jog one mile	Categ
10	R10JOG	R10JOG:W10 R Diff-Jog one mile	Categ
11	R11JOG	R11JOG:W11 R Diff-Jog one mile	Categ
12	R12JOG	R12JOG:W12 R Diff-Jog one mile	Categ
1	S1JOG	S1JOG:W1 S Diff-Jog one mile	Categ
2	S2JOG	S2JOG:W2 S Diff-Jog one mile	Categ
3	S3JOG	S3JOG:W3 S Diff-Jog one mile	Categ
4	S4JOG	S4JOG:W4 S Diff-Jog one mile	Categ
5	S5JOG	S5JOG:W5 S Diff-Jog one mile	Categ
6	S6JOG	S6JOG:W6 S Diff-Jog one mile	Categ
7	S7JOG	S7JOG:W7 S Diff-Jog one mile	Categ
8	S8JOG	S8JOG:W8 S Diff-Jog one mile	Categ
9	S9JOG	S9JOG:W9 S Diff-Jog one mile	Categ
10	S10JOG	S10JOG:W10 S Diff-Jog one mile	Categ
11	S11JOG	S11JOG:W11 S Diff-Jog one mile	Categ
12	S12JOG	S12JOG:W12 S Diff-Jog one mile	Categ
1	R1WALK1	R1WALK1:W1 R Diff-Walk one block	Categ
2	R2WALK1	R2WALK1:W2 R Diff-Walk one block	Categ
3	R3WALK1	R3WALK1:W3 R Diff-Walk one block	Categ
4	R4WALK1	R4WALK1:W4 R Diff-Walk one block	Categ
5	R5WALK1	R5WALK1:W5 R Diff-Walk one block	Categ
6	R6WALK1	R6WALK1:W6 R Diff-Walk one block	Categ
7	R7WALK1	R7WALK1:W7 R Diff-Walk one block	Categ
8	R8WALK1	R8WALK1:W8 R Diff-Walk one block	Categ
9	R9WALK1	R9WALK1:W9 R Diff-Walk one block	Categ
10	R10WALK1	R10WALK1:W10 R Diff-Walk one block	Categ
11	R11WALK1	R11WALK1:W11 R Diff-Walk one block	Categ
12	R12WALK1	R12WALK1:W12 R Diff-Walk one block	Categ
1	S1WALK1	S1WALK1:W1 S Diff-Walk one block	Categ

2	S2WALK1	S2WALK1:W2 S Diff-Walk one block	Categ
3	S3WALK1	S3WALK1:W3 S Diff-Walk one block	Categ
4	S4WALK1	S4WALK1:W4 S Diff-Walk one block	Categ
5	S5WALK1	S5WALK1:W5 S Diff-Walk one block	Categ
6	S6WALK1	S6WALK1:W6 S Diff-Walk one block	Categ
7	S7WALK1	S7WALK1:W7 S Diff-Walk one block	Categ
8	S8WALK1	S8WALK1:W8 S Diff-Walk one block	Categ
9	S9WALK1	S9WALK1:W9 S Diff-Walk one block	Categ
10	S10WALK1	S10WALK1:W10 S Diff-Walk one block	Categ
11	S11WALK1	S11WALK1:W11 S Diff-Walk one block	Categ
12	S12WALK1	S12WALK1:W12 S Diff-Walk one block	Categ
1	R1SIT	R1SIT:W1 R Diff-Sit for 2 hours	Categ
2	R2SIT	R2SIT:W2 R Diff-Sit for 2 hours	Categ
3	R3SIT	R3SIT:W3 R Diff-Sit for 2 hours	Categ
4	R4SIT	R4SIT:W4 R Diff-Sit for 2 hours	Categ
5	R5SIT	R5SIT:W5 R Diff-Sit for 2 hours	Categ
6	R6SIT	R6SIT:W6 R Diff-Sit for 2 hours	Categ
7	R7SIT	R7SIT:W7 R Diff-Sit for 2 hours	Categ
8	R8SIT	R8SIT:W8 R Diff-Sit for 2 hours	Categ
9	R9SIT	R9SIT:W9 R Diff-Sit for 2 hours	Categ
10	R10SIT	R10SIT:W10 R Diff-Sit for 2 hours	Categ
11	R11SIT	R11SIT:W11 R Diff-Sit for 2 hours	Categ
12	R12SIT	R12SIT:W12 R Diff-Sit for 2 hours	Categ
1	S1SIT	S1SIT:W1 S Diff-Sit for 2 hours	Categ
2	S2SIT	S2SIT:W2 S Diff-Sit for 2 hours	Categ
3	S3SIT	S3SIT:W3 S Diff-Sit for 2 hours	Categ
4	S4SIT	S4SIT:W4 S Diff-Sit for 2 hours	Categ
5	S5SIT	S5SIT:W5 S Diff-Sit for 2 hours	Categ
6	S6SIT	S6SIT:W6 S Diff-Sit for 2 hours	Categ
7	S7SIT	S7SIT:W7 S Diff-Sit for 2 hours	Categ
8	S8SIT	S8SIT:W8 S Diff-Sit for 2 hours	Categ
9	S9SIT	S9SIT:W9 S Diff-Sit for 2 hours	Categ
10	S10SIT	S10SIT:W10 S Diff-Sit for 2 hours	Categ
11	S11SIT	S11SIT:W11 S Diff-Sit for 2 hours	Categ
12	S12SIT	S12SIT:W12 S Diff-Sit for 2 hours	Categ
1	R1CHAIR	R1CHAIR:W1 R Diff-Get up fr chair	Categ
2	R2CHAIR	R2CHAIR:W2 R Diff-Get up fr chair	Categ
3	R3CHAIR	R3CHAIR:W3 R Diff-Get up fr chair	Categ
4	R4CHAIR	R4CHAIR:W4 R Diff-Get up fr chair	Categ
5	R5CHAIR	R5CHAIR:W5 R Diff-Get up fr chair	Categ
6	R6CHAIR	R6CHAIR:W6 R Diff-Get up fr chair	Categ
7	R7CHAIR	R7CHAIR:W7 R Diff-Get up fr chair	Categ
8	R8CHAIR	R8CHAIR:W8 R Diff-Get up fr chair	Categ
9	R9CHAIR	R9CHAIR:W9 R Diff-Get up fr chair	Categ
10	R10CHAIR	R10CHAIR:W10 R Diff-Get up fr chair	Categ
11	R11CHAIR	R11CHAIR:W11 R Diff-Get up fr chair	Categ
12	R12CHAIR	R12CHAIR:W12 R Diff-Get up fr chair	Categ
1	S1CHAIR	S1CHAIR:W1 S Diff-Get up fr chair	Categ
2	S2CHAIR	S2CHAIR:W2 S Diff-Get up fr chair	Categ
3	S3CHAIR	S3CHAIR:W3 S Diff-Get up fr chair	Categ
4	S4CHAIR	S4CHAIR:W4 S Diff-Get up fr chair	Categ
5	S5CHAIR	S5CHAIR:W5 S Diff-Get up fr chair	Categ
6	S6CHAIR	S6CHAIR:W6 S Diff-Get up fr chair	Categ
7	S7CHAIR	S7CHAIR:W7 S Diff-Get up fr chair	Categ
8	S8CHAIR	S8CHAIR:W8 S Diff-Get up fr chair	Categ
9	S9CHAIR	S9CHAIR:W9 S Diff-Get up fr chair	Categ
10	S10CHAIR	S10CHAIR:W10 S Diff-Get up fr chair	Categ
11	S11CHAIR	S11CHAIR:W11 S Diff-Get up fr chair	Categ
12	S12CHAIR	S12CHAIR:W12 S Diff-Get up fr chair	Categ
1	R1CLIMS	R1CLIMS:W1 R Diff-Climb sev flt stair	Categ
2	R2CLIMS	R2CLIMS:W2 R Diff-Climb sev flt stair	Categ
3	R3CLIMS	R3CLIMS:W3 R Diff-Climb sev flt stair	Categ
4	R4CLIMS	R4CLIMS:W4 R Diff-Climb sev flt stair	Categ
5	R5CLIMS	R5CLIMS:W5 R Diff-Climb sev flt stair	Categ
6	R6CLIMS	R6CLIMS:W6 R Diff-Climb sev flt stair	Categ
7	R7CLIMS	R7CLIMS:W7 R Diff-Climb sev flt stair	Categ
8	R8CLIMS	R8CLIMS:W8 R Diff-Climb sev flt stair	Categ

9	R9CLIMS	R9CLIMS:W9 R Diff-Climb sev flt stair	Categ
10	R10CLIMS	R10CLIMS:W10 R Diff-Climb sev flt stair	Categ
11	R11CLIMS	R11CLIMS:W11 R Diff-Climb sev flt stair	Categ
12	R12CLIMS	R12CLIMS:W12 R Diff-Climb sev flt stair	Categ
1	S1CLIMS	S1CLIMS:W1 S Diff-Climb sev flt stair	Categ
2	S2CLIMS	S2CLIMS:W2 S Diff-Climb sev flt stair	Categ
3	S3CLIMS	S3CLIMS:W3 S Diff-Climb sev flt stair	Categ
4	S4CLIMS	S4CLIMS:W4 S Diff-Climb sev flt stair	Categ
5	S5CLIMS	S5CLIMS:W5 S Diff-Climb sev flt stair	Categ
6	S6CLIMS	S6CLIMS:W6 S Diff-Climb sev flt stair	Categ
7	S7CLIMS	S7CLIMS:W7 S Diff-Climb sev flt stair	Categ
8	S8CLIMS	S8CLIMS:W8 S Diff-Climb sev flt stair	Categ
9	S9CLIMS	S9CLIMS:W9 S Diff-Climb sev flt stair	Categ
10	S10CLIMS	S10CLIMS:W10 S Diff-Climb sev flt stair	Categ
11	S11CLIMS	S11CLIMS:W11 S Diff-Climb sev flt stair	Categ
12	S12CLIMS	S12CLIMS:W12 S Diff-Climb sev flt stair	Categ
1	R1CLIM1	R1CLIM1:W1 R Diff-Climb one flt stair	Categ
2	R2CLIM1	R2CLIM1:W2 R Diff-Climb one flt stair	Categ
3	R3CLIM1	R3CLIM1:W3 R Diff-Climb one flt stair	Categ
4	R4CLIM1	R4CLIM1:W4 R Diff-Climb one flt stair	Categ
5	R5CLIM1	R5CLIM1:W5 R Diff-Climb one flt stair	Categ
6	R6CLIM1	R6CLIM1:W6 R Diff-Climb one flt stair	Categ
7	R7CLIM1	R7CLIM1:W7 R Diff-Climb one flt stair	Categ
8	R8CLIM1	R8CLIM1:W8 R Diff-Climb one flt stair	Categ
9	R9CLIM1	R9CLIM1:W9 R Diff-Climb one flt stair	Categ
10	R10CLIM1	R10CLIM1:W10 R Diff-Climb one flt stair	Categ
11	R11CLIM1	R11CLIM1:W11 R Diff-Climb one flt stair	Categ
12	R12CLIM1	R12CLIM1:W12 R Diff-Climb one flt stair	Categ
1	S1CLIM1	S1CLIM1:W1 S Diff-Climb one flt stair	Categ
2	S2CLIM1	S2CLIM1:W2 S Diff-Climb one flt stair	Categ
3	S3CLIM1	S3CLIM1:W3 S Diff-Climb one flt stair	Categ
4	S4CLIM1	S4CLIM1:W4 S Diff-Climb one flt stair	Categ
5	S5CLIM1	S5CLIM1:W5 S Diff-Climb one flt stair	Categ
6	S6CLIM1	S6CLIM1:W6 S Diff-Climb one flt stair	Categ
7	S7CLIM1	S7CLIM1:W7 S Diff-Climb one flt stair	Categ
8	S8CLIM1	S8CLIM1:W8 S Diff-Climb one flt stair	Categ
9	S9CLIM1	S9CLIM1:W9 S Diff-Climb one flt stair	Categ
10	S10CLIM1	S10CLIM1:W10 S Diff-Climb one flt stair	Categ
11	S11CLIM1	S11CLIM1:W11 S Diff-Climb one flt stair	Categ
12	S12CLIM1	S12CLIM1:W12 S Diff-Climb one flt stair	Categ
1	R1STOOP	R1STOOP:W1 R Diff-Stoop/Kneel/Crouch	Categ
2	R2STOOP	R2STOOP:W2 R Diff-Stoop/Kneel/Crouch	Categ
3	R3STOOP	R3STOOP:W3 R Diff-Stoop/Kneel/Crouch	Categ
4	R4STOOP	R4STOOP:W4 R Diff-Stoop/Kneel/Crouch	Categ
5	R5STOOP	R5STOOP:W5 R Diff-Stoop/Kneel/Crouch	Categ
6	R6STOOP	R6STOOP:W6 R Diff-Stoop/Kneel/Crouch	Categ
7	R7STOOP	R7STOOP:W7 R Diff-Stoop/Kneel/Crouch	Categ
8	R8STOOP	R8STOOP:W8 R Diff-Stoop/Kneel/Crouch	Categ
9	R9STOOP	R9STOOP:W9 R Diff-Stoop/Kneel/Crouch	Categ
10	R10STOOP	R10STOOP:W10 R Diff-Stoop/Kneel/Crouch	Categ
11	R11STOOP	R11STOOP:W11 R Diff-Stoop/Kneel/Crouch	Categ
12	R12STOOP	R12STOOP:W12 R Diff-Stoop/Kneel/Crouch	Categ
1	S1STOOP	S1STOOP:W1 S Diff-Stoop/Kneel/Crouch	Categ
2	S2STOOP	S2STOOP:W2 S Diff-Stoop/Kneel/Crouch	Categ
3	S3STOOP	S3STOOP:W3 S Diff-Stoop/Kneel/Crouch	Categ
4	S4STOOP	S4STOOP:W4 S Diff-Stoop/Kneel/Crouch	Categ
5	S5STOOP	S5STOOP:W5 S Diff-Stoop/Kneel/Crouch	Categ
6	S6STOOP	S6STOOP:W6 S Diff-Stoop/Kneel/Crouch	Categ
7	S7STOOP	S7STOOP:W7 S Diff-Stoop/Kneel/Crouch	Categ
8	S8STOOP	S8STOOP:W8 S Diff-Stoop/Kneel/Crouch	Categ
9	S9STOOP	S9STOOP:W9 S Diff-Stoop/Kneel/Crouch	Categ
10	S10STOOP	S10STOOP:W10 S Diff-Stoop/Kneel/Crouch	Categ
11	S11STOOP	S11STOOP:W11 S Diff-Stoop/Kneel/Crouch	Categ
12	S12STOOP	S12STOOP:W12 S Diff-Stoop/Kneel/Crouch	Categ
1	R1LIFT	R1LIFT:W1 R Diff-Lift/carry 10lbs	Categ
2	R2LIFT	R2LIFT:W2 R Diff-Lift/carry 10lbs	Categ

3	R3LIFT	R3LIFT:W3 R Diff-Lift/carry 10lbs	Categ
4	R4LIFT	R4LIFT:W4 R Diff-Lift/carry 10lbs	Categ
5	R5LIFT	R5LIFT:W5 R Diff-Lift/carry 10lbs	Categ
6	R6LIFT	R6LIFT:W6 R Diff-Lift/carry 10lbs	Categ
7	R7LIFT	R7LIFT:W7 R Diff-Lift/carry 10lbs	Categ
8	R8LIFT	R8LIFT:W8 R Diff-Lift/carry 10lbs	Categ
9	R9LIFT	R9LIFT:W9 R Diff-Lift/carry 10lbs	Categ
10	R10LIFT	R10LIFT:W10 R Diff-Lift/carry 10lbs	Categ
11	R11LIFT	R11LIFT:W11 R Diff-Lift/carry 10lbs	Categ
12	R12LIFT	R12LIFT:W12 R Diff-Lift/carry 10lbs	Categ
1	S1LIFT	S1LIFT:W1 S Diff-Lift/carry 10lbs	Categ
2	S2LIFT	S2LIFT:W2 S Diff-Lift/carry 10lbs	Categ
3	S3LIFT	S3LIFT:W3 S Diff-Lift/carry 10lbs	Categ
4	S4LIFT	S4LIFT:W4 S Diff-Lift/carry 10lbs	Categ
5	S5LIFT	S5LIFT:W5 S Diff-Lift/carry 10lbs	Categ
6	S6LIFT	S6LIFT:W6 S Diff-Lift/carry 10lbs	Categ
7	S7LIFT	S7LIFT:W7 S Diff-Lift/carry 10lbs	Categ
8	S8LIFT	S8LIFT:W8 S Diff-Lift/carry 10lbs	Categ
9	S9LIFT	S9LIFT:W9 S Diff-Lift/carry 10lbs	Categ
10	S10LIFT	S10LIFT:W10 S Diff-Lift/carry 10lbs	Categ
11	S11LIFT	S11LIFT:W11 S Diff-Lift/carry 10lbs	Categ
12	S12LIFT	S12LIFT:W12 S Diff-Lift/carry 10lbs	Categ
1	R1DIME	R1DIME:W1 R Diff-Pick up a dime	Categ
2	R2DIME	R2DIME:W2 R Diff-Pick up a dime	Categ
3	R3DIME	R3DIME:W3 R Diff-Pick up a dime	Categ
4	R4DIME	R4DIME:W4 R Diff-Pick up a dime	Categ
5	R5DIME	R5DIME:W5 R Diff-Pick up a dime	Categ
6	R6DIME	R6DIME:W6 R Diff-Pick up a dime	Categ
7	R7DIME	R7DIME:W7 R Diff-Pick up a dime	Categ
8	R8DIME	R8DIME:W8 R Diff-Pick up a dime	Categ
9	R9DIME	R9DIME:W9 R Diff-Pick up a dime	Categ
10	R10DIME	R10DIME:W10 R Diff-Pick up a dime	Categ
11	R11DIME	R11DIME:W11 R Diff-Pick up a dime	Categ
12	R12DIME	R12DIME:W12 R Diff-Pick up a dime	Categ
1	S1DIME	S1DIME:W1 S Diff-Pick up a dime	Categ
2	S2DIME	S2DIME:W2 S Diff-Pick up a dime	Categ
3	S3DIME	S3DIME:W3 S Diff-Pick up a dime	Categ
4	S4DIME	S4DIME:W4 S Diff-Pick up a dime	Categ
5	S5DIME	S5DIME:W5 S Diff-Pick up a dime	Categ
6	S6DIME	S6DIME:W6 S Diff-Pick up a dime	Categ
7	S7DIME	S7DIME:W7 S Diff-Pick up a dime	Categ
8	S8DIME	S8DIME:W8 S Diff-Pick up a dime	Categ
9	S9DIME	S9DIME:W9 S Diff-Pick up a dime	Categ
10	S10DIME	S10DIME:W10 S Diff-Pick up a dime	Categ
11	S11DIME	S11DIME:W11 S Diff-Pick up a dime	Categ
12	S12DIME	S12DIME:W12 S Diff-Pick up a dime	Categ
1	R1ARMS	R1ARMS:W1 R Diff-Reach/extnd arms up	Categ
2	R2ARMS	R2ARMS:W2 R Diff-Reach/extnd arms up	Categ
3	R3ARMS	R3ARMS:W3 R Diff-Reach/extnd arms up	Categ
4	R4ARMS	R4ARMS:W4 R Diff-Reach/extnd arms up	Categ
5	R5ARMS	R5ARMS:W5 R Diff-Reach/extnd arms up	Categ
6	R6ARMS	R6ARMS:W6 R Diff-Reach/extnd arms up	Categ
7	R7ARMS	R7ARMS:W7 R Diff-Reach/extnd arms up	Categ
8	R8ARMS	R8ARMS:W8 R Diff-Reach/extnd arms up	Categ
9	R9ARMS	R9ARMS:W9 R Diff-Reach/extnd arms up	Categ
10	R10ARMS	R10ARMS:W10 R Diff-Reach/extnd arms up	Categ
11	R11ARMS	R11ARMS:W11 R Diff-Reach/extnd arms up	Categ
12	R12ARMS	R12ARMS:W12 R Diff-Reach/extnd arms up	Categ
1	S1ARMS	S1ARMS:W1 S Diff-Reach/extnd arms up	Categ
2	S2ARMS	S2ARMS:W2 S Diff-Reach/extnd arms up	Categ
3	S3ARMS	S3ARMS:W3 S Diff-Reach/extnd arms up	Categ
4	S4ARMS	S4ARMS:W4 S Diff-Reach/extnd arms up	Categ
5	S5ARMS	S5ARMS:W5 S Diff-Reach/extnd arms up	Categ
6	S6ARMS	S6ARMS:W6 S Diff-Reach/extnd arms up	Categ
7	S7ARMS	S7ARMS:W7 S Diff-Reach/extnd arms up	Categ
8	S8ARMS	S8ARMS:W8 S Diff-Reach/extnd arms up	Categ
9	S9ARMS	S9ARMS:W9 S Diff-Reach/extnd arms up	Categ

10	S10ARMS	S10ARMS:W10 S Diff-Reach/extnd arms up	Categ
11	S11ARMS	S11ARMS:W11 S Diff-Reach/extnd arms up	Categ
12	S12ARMS	S12ARMS:W12 S Diff-Reach/extnd arms up	Categ
1	R1PUSH	R1PUSH:W1 R Diff-Push/pull large obj	Categ
2	R2PUSH	R2PUSH:W2 R Diff-Push/pull large obj	Categ
3	R3PUSH	R3PUSH:W3 R Diff-Push/pull large obj	Categ
4	R4PUSH	R4PUSH:W4 R Diff-Push/pull large obj	Categ
5	R5PUSH	R5PUSH:W5 R Diff-Push/pull large obj	Categ
6	R6PUSH	R6PUSH:W6 R Diff-Push/pull large obj	Categ
7	R7PUSH	R7PUSH:W7 R Diff-Push/pull large obj	Categ
8	R8PUSH	R8PUSH:W8 R Diff-Push/pull large obj	Categ
9	R9PUSH	R9PUSH:W9 R Diff-Push/pull large obj	Categ
10	R10PUSH	R10PUSH:W10 R Diff-Push/pull large obj	Categ
11	R11PUSH	R11PUSH:W11 R Diff-Push/pull large obj	Categ
12	R12PUSH	R12PUSH:W12 R Diff-Push/pull large obj	Categ
1	S1PUSH	S1PUSH:W1 S Diff-Push/pull large obj	Categ
2	S2PUSH	S2PUSH:W2 S Diff-Push/pull large obj	Categ
3	S3PUSH	S3PUSH:W3 S Diff-Push/pull large obj	Categ
4	S4PUSH	S4PUSH:W4 S Diff-Push/pull large obj	Categ
5	S5PUSH	S5PUSH:W5 S Diff-Push/pull large obj	Categ
6	S6PUSH	S6PUSH:W6 S Diff-Push/pull large obj	Categ
7	S7PUSH	S7PUSH:W7 S Diff-Push/pull large obj	Categ
8	S8PUSH	S8PUSH:W8 S Diff-Push/pull large obj	Categ
9	S9PUSH	S9PUSH:W9 S Diff-Push/pull large obj	Categ
10	S10PUSH	S10PUSH:W10 S Diff-Push/pull large obj	Categ
11	S11PUSH	S11PUSH:W11 S Diff-Push/pull large obj	Categ
12	S12PUSH	S12PUSH:W12 S Diff-Push/pull large obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKS	12652	1.55	1.26	1.0	9.0
R2WALKS	18928	0.57	1.32	0.0	9.0
R3WALKS	17949	0.57	1.56	0.0	9.0
R4WALKS	21351	0.52	1.42	0.0	9.0
R5WALKS	19549	0.56	1.52	0.0	9.0
R6WALKS	18155	0.57	1.46	0.0	9.0
R7WALKS	20111	0.56	1.48	0.0	9.0
R8WALKS	18455	0.51	1.27	0.0	9.0
R9WALKS	17202	0.52	1.29	0.0	9.0
R10WALKS	21888	0.39	0.94	0.0	9.0
R11WALKS	20512	0.41	0.95	0.0	9.0
R12WALKS	18711	0.40	0.85	0.0	9.0
S1WALKS	9900	1.50	1.18	1.0	9.0
S2WALKS	12693	0.41	1.07	0.0	9.0
S3WALKS	11902	0.42	1.31	0.0	9.0
S4WALKS	13971	0.38	1.20	0.0	9.0
S5WALKS	12722	0.42	1.27	0.0	9.0
S6WALKS	11634	0.41	1.18	0.0	9.0
S7WALKS	12966	0.41	1.21	0.0	9.0
S8WALKS	11731	0.37	1.02	0.0	9.0
S9WALKS	10642	0.38	1.04	0.0	9.0
S10WALKS	13424	0.29	0.74	0.0	9.0
S11WALKS	12476	0.32	0.80	0.0	9.0
S12WALKS	11021	0.31	0.69	0.0	9.0
R1JOG	12652	3.90	2.56	1.0	9.0
R2JOG	11361	1.66	2.01	0.0	9.0

R3JOG	12591	4.79	4.17	0.0	9.0
R4JOG	15068	4.90	4.16	0.0	9.0
R5JOG	13467	5.17	4.16	0.0	9.0
R6JOG	12062	4.78	4.13	0.0	9.0
R7JOG	13695	4.11	4.09	0.0	9.0
R8JOG	12261	3.63	3.95	0.0	9.0
R9JOG	11316	3.59	3.94	0.0	9.0
R10JOG	14976	1.98	3.14	0.0	9.0
R11JOG	13836	2.05	3.18	0.0	9.0
R12JOG	12325	1.74	2.90	0.0	9.0
S1JOG	9900	3.82	2.53	1.0	9.0
S2JOG	8695	1.65	2.02	0.0	9.0
S3JOG	9056	4.57	4.17	0.0	9.0
S4JOG	10680	4.70	4.17	0.0	9.0
S5JOG	9514	4.97	4.18	0.0	9.0
S6JOG	8470	4.55	4.13	0.0	9.0
S7JOG	9655	3.88	4.05	0.0	9.0
S8JOG	8563	3.39	3.88	0.0	9.0
S9JOG	7747	3.37	3.88	0.0	9.0
S10JOG	9994	1.77	2.95	0.0	9.0
S11JOG	9172	1.84	3.01	0.0	9.0
S12JOG	7978	1.52	2.68	0.0	9.0
R1WALK1	12652	1.23	0.82	1.0	9.0
R2WALK1	11071	0.11	0.42	0.0	4.0
R3WALK1	17949	0.26	1.05	0.0	9.0
R4WALK1	21350	0.24	0.93	0.0	9.0
R5WALK1	19549	0.27	1.04	0.0	9.0
R6WALK1	18152	0.28	0.99	0.0	9.0
R7WALK1	20114	0.28	1.06	0.0	9.0
R8WALK1	18455	0.27	0.95	0.0	9.0
R9WALK1	17203	0.27	0.93	0.0	9.0
R10WALK1	21889	0.21	0.71	0.0	9.0
R11WALK1	20514	0.22	0.72	0.0	9.0
R12WALK1	18715	0.22	0.69	0.0	9.0
S1WALK1	9900	1.20	0.76	1.0	9.0
S2WALK1	8472	0.09	0.39	0.0	4.0
S3WALK1	11903	0.17	0.79	0.0	9.0
S4WALK1	13969	0.16	0.71	0.0	9.0
S5WALK1	12723	0.18	0.81	0.0	9.0
S6WALK1	11635	0.19	0.78	0.0	9.0
S7WALK1	12970	0.18	0.82	0.0	9.0
S8WALK1	11731	0.18	0.71	0.0	9.0
S9WALK1	10642	0.18	0.71	0.0	9.0
S10WALK1	13427	0.14	0.52	0.0	9.0
S11WALK1	12475	0.15	0.57	0.0	9.0
S12WALK1	11020	0.15	0.54	0.0	9.0
R1SIT	12652	1.53	1.03	1.0	9.0
R2SIT	11407	0.29	0.68	0.0	9.0
R3SIT	17950	0.28	0.95	0.0	9.0
R4SIT	21347	0.27	0.95	0.0	9.0
R5SIT	19546	0.27	0.95	0.0	9.0
R6SIT	18151	0.29	0.95	0.0	9.0
R7SIT	20106	0.26	0.84	0.0	9.0
R8SIT	18451	0.26	0.80	0.0	9.0
R9SIT	17203	0.25	0.81	0.0	9.0

R10SIT	21878	0.24	0.69	0.0	9.0
R11SIT	20520	0.25	0.73	0.0	9.0
R12SIT	18718	0.25	0.70	0.0	9.0
S1SIT	9900	1.52	1.01	1.0	9.0
S2SIT	8726	0.27	0.65	0.0	9.0
S3SIT	11903	0.26	0.91	0.0	9.0
S4SIT	13970	0.26	0.91	0.0	9.0
S5SIT	12722	0.25	0.88	0.0	9.0
S6SIT	11635	0.27	0.92	0.0	9.0
S7SIT	12964	0.24	0.80	0.0	9.0
S8SIT	11727	0.23	0.72	0.0	9.0
S9SIT	10643	0.23	0.75	0.0	9.0
S10SIT	13426	0.22	0.65	0.0	9.0
S11SIT	12478	0.22	0.66	0.0	9.0
S12SIT	11020	0.22	0.63	0.0	9.0
R1CHAIR	12652	1.54	0.88	1.0	9.0
R2CHAIR	11412	0.41	0.66	0.0	9.0
R3CHAIR	17948	0.39	0.67	0.0	9.0
R4CHAIR	21352	0.39	0.65	0.0	9.0
R5CHAIR	19547	0.41	0.66	0.0	9.0
R6CHAIR	18149	0.43	0.63	0.0	9.0
R7CHAIR	20105	0.42	0.65	0.0	9.0
R8CHAIR	18452	0.44	0.63	0.0	9.0
R9CHAIR	17203	0.44	0.66	0.0	9.0
R10CHAIR	21876	0.41	0.58	0.0	9.0
R11CHAIR	20503	0.40	0.56	0.0	9.0
R12CHAIR	18701	0.41	0.57	0.0	9.0
S1CHAIR	9900	1.51	0.85	1.0	9.0
S2CHAIR	8732	0.38	0.64	0.0	9.0
S3CHAIR	11901	0.36	0.64	0.0	9.0
S4CHAIR	13970	0.35	0.61	0.0	9.0
S5CHAIR	12721	0.36	0.60	0.0	9.0
S6CHAIR	11632	0.39	0.58	0.0	9.0
S7CHAIR	12964	0.38	0.61	0.0	9.0
S8CHAIR	11726	0.40	0.58	0.0	9.0
S9CHAIR	10641	0.39	0.61	0.0	9.0
S10CHAIR	13419	0.37	0.54	0.0	9.0
S11CHAIR	12466	0.36	0.53	0.0	9.0
S12CHAIR	11010	0.37	0.52	0.0	9.0
R1CLIMS	12652	2.05	1.52	1.0	9.0
R2CLIMS	11385	0.56	1.06	0.0	9.0
R3CLIMS	17944	1.52	2.83	0.0	9.0
R4CLIMS	21333	1.45	2.76	0.0	9.0
R5CLIMS	19531	1.47	2.76	0.0	9.0
R6CLIMS	18141	1.48	2.72	0.0	9.0
R7CLIMS	20075	1.31	2.54	0.0	9.0
R8CLIMS	18423	1.15	2.26	0.0	9.0
R9CLIMS	17186	1.21	2.35	0.0	9.0
R10CLIMS	21835	0.82	1.71	0.0	9.0
R11CLIMS	20496	0.87	1.81	0.0	9.0
R12CLIMS	18686	0.82	1.65	0.0	9.0
S1CLIMS	9900	1.97	1.44	1.0	9.0
S2CLIMS	8717	0.51	1.02	0.0	9.0
S3CLIMS	11898	1.26	2.61	0.0	9.0

S4CLIMS	13960	1.21	2.53	0.0	9.0
S5CLIMS	12712	1.22	2.53	0.0	9.0
S6CLIMS	11628	1.20	2.46	0.0	9.0
S7CLIMS	12946	1.04	2.25	0.0	9.0
S8CLIMS	11715	0.91	1.97	0.0	9.0
S9CLIMS	10635	0.97	2.08	0.0	9.0
S10CLIMS	13401	0.65	1.43	0.0	9.0
S11CLIMS	12466	0.68	1.50	0.0	9.0
S12CLIMS	11004	0.65	1.37	0.0	9.0
R1CLIM1	12652	1.37	0.98	1.0	9.0
R2CLIM1	19257	0.47	1.38	0.0	9.0
R3CLIM1	17946	0.58	1.82	0.0	9.0
R4CLIM1	21344	0.54	1.74	0.0	9.0
R5CLIM1	19540	0.58	1.81	0.0	9.0
R6CLIM1	18147	0.54	1.69	0.0	9.0
R7CLIM1	20094	0.52	1.65	0.0	9.0
R8CLIM1	18446	0.46	1.47	0.0	9.0
R9CLIM1	17198	0.49	1.54	0.0	9.0
R10CLIM1	21866	0.33	1.11	0.0	9.0
R11CLIM1	20512	0.37	1.20	0.0	9.0
R12CLIM1	18702	0.35	1.12	0.0	9.0
S1CLIM1	9900	1.32	0.90	1.0	9.0
S2CLIM1	12921	0.30	1.01	0.0	9.0
S3CLIM1	11899	0.40	1.50	0.0	9.0
S4CLIM1	13966	0.36	1.40	0.0	9.0
S5CLIM1	12717	0.39	1.46	0.0	9.0
S6CLIM1	11632	0.35	1.33	0.0	9.0
S7CLIM1	12962	0.34	1.30	0.0	9.0
S8CLIM1	11725	0.31	1.17	0.0	9.0
S9CLIM1	10639	0.30	1.15	0.0	9.0
S10CLIM1	13423	0.22	0.85	0.0	9.0
S11CLIM1	12470	0.25	0.93	0.0	9.0
S12CLIM1	11014	0.24	0.87	0.0	9.0
R1STOOP	12652	1.78	1.15	1.0	9.0
R2STOOP	11415	0.51	0.77	0.0	9.0
R3STOOP	17945	0.58	1.21	0.0	9.0
R4STOOP	21347	0.60	1.24	0.0	9.0
R5STOOP	19547	0.62	1.27	0.0	9.0
R6STOOP	18147	0.65	1.23	0.0	9.0
R7STOOP	20098	0.66	1.31	0.0	9.0
R8STOOP	18448	0.64	1.14	0.0	9.0
R9STOOP	17200	0.65	1.17	0.0	9.0
R10STOOP	21867	0.55	0.90	0.0	9.0
R11STOOP	20502	0.56	0.98	0.0	9.0
R12STOOP	18692	0.56	0.91	0.0	9.0
S1STOOP	9900	1.73	1.09	1.0	9.0
S2STOOP	8735	0.47	0.74	0.0	9.0
S3STOOP	11900	0.49	1.03	0.0	9.0
S4STOOP	13967	0.51	1.12	0.0	9.0
S5STOOP	12722	0.52	1.09	0.0	9.0
S6STOOP	11633	0.54	1.01	0.0	9.0
S7STOOP	12964	0.55	1.13	0.0	9.0
S8STOOP	11729	0.54	0.96	0.0	9.0
S9STOOP	10641	0.55	0.98	0.0	9.0
S10STOOP	13421	0.48	0.78	0.0	9.0

S11STOOP	12465	0.48	0.80	0.0	9.0
S12STOOP	11007	0.48	0.76	0.0	9.0
R1LIFT	12652	1.53	1.17	1.0	9.0
R2LIFT	19149	0.57	1.41	0.0	9.0
R3LIFT	17949	0.74	2.02	0.0	9.0
R4LIFT	21344	0.67	1.90	0.0	9.0
R5LIFT	19544	0.67	1.91	0.0	9.0
R6LIFT	18151	0.65	1.85	0.0	9.0
R7LIFT	20103	0.61	1.77	0.0	9.0
R8LIFT	18453	0.55	1.59	0.0	9.0
R9LIFT	17200	0.56	1.60	0.0	9.0
R10LIFT	21877	0.43	1.20	0.0	9.0
R11LIFT	20515	0.43	1.23	0.0	9.0
R12LIFT	18711	0.41	1.11	0.0	9.0
S1LIFT	9900	1.46	1.09	1.0	9.0
S2LIFT	12881	0.40	1.11	0.0	9.0
S3LIFT	11902	0.51	1.67	0.0	9.0
S4LIFT	13968	0.47	1.58	0.0	9.0
S5LIFT	12721	0.44	1.50	0.0	9.0
S6LIFT	11634	0.42	1.45	0.0	9.0
S7LIFT	12967	0.40	1.40	0.0	9.0
S8LIFT	11732	0.36	1.23	0.0	9.0
S9LIFT	10642	0.36	1.23	0.0	9.0
S10LIFT	13422	0.29	0.92	0.0	9.0
S11LIFT	12474	0.29	0.93	0.0	9.0
S12LIFT	11018	0.28	0.84	0.0	9.0
R1DIME	12652	1.11	0.47	1.0	9.0
R2DIME	19576	0.09	0.47	0.0	9.0
R3DIME	17948	0.10	0.51	0.0	9.0
R4DIME	21337	0.10	0.54	0.0	9.0
R5DIME	19535	0.10	0.55	0.0	9.0
R6DIME	18140	0.10	0.51	0.0	9.0
R7DIME	20087	0.10	0.52	0.0	9.0
R8DIME	18439	0.10	0.45	0.0	9.0
R9DIME	17187	0.10	0.47	0.0	9.0
R10DIME	21864	0.09	0.41	0.0	9.0
R11DIME	20518	0.09	0.41	0.0	9.0
R12DIME	18711	0.09	0.37	0.0	9.0
S1DIME	9900	1.09	0.44	1.0	9.0
S2DIME	13056	0.07	0.37	0.0	9.0
S3DIME	11902	0.08	0.47	0.0	9.0
S4DIME	13965	0.08	0.46	0.0	9.0
S5DIME	12719	0.08	0.46	0.0	9.0
S6DIME	11630	0.07	0.42	0.0	9.0
S7DIME	12961	0.07	0.43	0.0	9.0
S8DIME	11728	0.07	0.34	0.0	9.0
S9DIME	10640	0.07	0.37	0.0	9.0
S10DIME	13418	0.07	0.36	0.0	9.0
S11DIME	12480	0.07	0.37	0.0	9.0
S12DIME	11017	0.07	0.28	0.0	9.0
R1ARMS	12652	1.20	0.65	1.0	9.0
R2ARMS	11411	0.17	0.49	0.0	4.0
R3ARMS	17949	0.23	0.78	0.0	9.0
R4ARMS	21343	0.21	0.75	0.0	9.0

R5ARMS	19538	0.21	0.71	0.0	9.0
R6ARMS	18145	0.22	0.72	0.0	9.0
R7ARMS	20100	0.21	0.70	0.0	9.0
R8ARMS	18449	0.22	0.69	0.0	9.0
R9ARMS	17199	0.21	0.64	0.0	9.0
R10ARMS	21876	0.21	0.56	0.0	9.0
R11ARMS	20523	0.20	0.57	0.0	9.0
R12ARMS	18707	0.21	0.54	0.0	9.0
S1ARMS	9900	1.18	0.61	1.0	9.0
S2ARMS	8735	0.15	0.46	0.0	4.0
S3ARMS	11901	0.19	0.68	0.0	9.0
S4ARMS	13966	0.17	0.62	0.0	9.0
S5ARMS	12716	0.17	0.60	0.0	9.0
S6ARMS	11633	0.17	0.61	0.0	9.0
S7ARMS	12964	0.17	0.59	0.0	9.0
S8ARMS	11729	0.17	0.56	0.0	9.0
S9ARMS	10641	0.17	0.57	0.0	9.0
S10ARMS	13421	0.16	0.47	0.0	9.0
S11ARMS	12476	0.16	0.50	0.0	9.0
S12ARMS	11017	0.17	0.46	0.0	9.0
R1PUSH	12652	1.55	1.22	1.0	9.0
R2PUSH	19220	0.73	1.69	0.0	9.0
R3PUSH	17947	1.06	2.50	0.0	9.0
R4PUSH	21345	0.98	2.40	0.0	9.0
R5PUSH	19541	0.97	2.39	0.0	9.0
R6PUSH	18150	0.95	2.33	0.0	9.0
R7PUSH	20098	0.83	2.15	0.0	9.0
R8PUSH	18445	0.74	1.94	0.0	9.0
R9PUSH	17198	0.75	1.98	0.0	9.0
R10PUSH	21878	0.52	1.41	0.0	9.0
R11PUSH	20515	0.54	1.46	0.0	9.0
R12PUSH	18709	0.47	1.23	0.0	9.0
S1PUSH	9900	1.49	1.14	1.0	9.0
S2PUSH	12911	0.52	1.37	0.0	9.0
S3PUSH	11902	0.81	2.20	0.0	9.0
S4PUSH	13967	0.75	2.11	0.0	9.0
S5PUSH	12720	0.70	2.02	0.0	9.0
S6PUSH	11630	0.67	1.97	0.0	9.0
S7PUSH	12961	0.59	1.80	0.0	9.0
S8PUSH	11727	0.52	1.59	0.0	9.0
S9PUSH	10639	0.49	1.56	0.0	9.0
S10PUSH	13425	0.37	1.13	0.0	9.0
S11PUSH	12473	0.38	1.16	0.0	9.0
S12PUSH	11014	0.33	0.96	0.0	9.0

Categorical Variable Codes

Value	R1WALKS
1.Not at all diff	9441
2.A little diff	1320
3.Somewhat diff	886
4.Very diff/can't do	824
9.Don't do	181

Value	R2WALKS
.D=DK/NA	340
.M=Oth missing	373
.R=RF	1
0.No	14211
1.Yes,a little	1600
2.Yes,a lot	2079
3.Yes,DK/NA how much	498
4.Yes,RF how much	2
5.Can't do	338
9.Don't do	200

Value	R3WALKS	R4WALKS	R5WALKS	R6WALKS	R7WALKS
.D=DK/NA	4	3	4	3	5
.M=Oth missing	1				
.R=RF	2	5	3		4
.S=Skip	35	25	23	7	9
0.No	12593	15073	13471	12070	13706
1.Yes	4215	5103	4964	5030	5280
2.Can't do	609	668	572	593	599
9.Don't do	532	507	542	462	526

Value	R8WALKS	R9WALKS	R10WALKS	R11WALKS	R12WALKS
.D=DK/NA	4	7	11	19	21
.R=RF	3	1	7	5	1
.S=Skip	7	7	128	18	15
0.No	12268	11330	15016	13860	12354
1.Yes	5376	5100	6440	6250	6097
2.Can't do	475	449	244	222	140
9.Don't do	336	323	188	180	120

Value	S1WALKS
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	7551
2.A little diff	1004
3.Somewhat diff	640
4.Very diff/can't do	590
9.Don't do	115

Value	S2WALKS
.D=DK/NA	260
.M=Oth missing	134
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	584
0.No	10170
1.Yes,a little	916
2.Yes,a lot	1193
3.Yes,DK/NA how much	220
4.Yes,RF how much	1
5.Can't do	120
9.Don't do	73

Value	S3WALKS	S4WALKS	S5WALKS	S6WALKS	S7WALKS
.D=DK/NA	1		2	2	3
.M=Oth missing	1				
.R=RF	1	1	1		2
.S=Skip	10	6	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	9058	10682	9515	8476	9662
1.Yes	2357	2789	2752	2758	2866
2.Can't do	252	275	218	222	222
9.Don't do	235	225	237	178	216

Value	S8WALKS	S9WALKS	S10WALKS	S11WALKS	S12WALKS
.D=DK/NA	1	3	8	7	6
.R=RF	2	1	4	1	1
.S=Skip	1		77	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	8567	7756	10021	9187	7996
1.Yes	2854	2624	3267	3135	2940
2.Can't do	183	141	76	84	45
9.Don't do	127	121	60	70	40

Value	R1JOG
1.Not at all diff	1854
2.A little diff	2230
3.Somewhat diff	2330
4.Very diff/can't do	4027
9.Don't do	2211

Value	R2JOG
.D=DK/NA	55
.Q=Not asked this wv	8222
.R=RF	4
0.No	3200
1.Yes,a little	2123
2.Yes,a lot	5302
3.Yes,DK/NA how much	68
4.Yes,RF how much	10
9.Don't do	658

Value	R3JOG	R4JOG	R5JOG	R6JOG	R7JOG
.D=DK/NA	2	4	4	8	10
.R=RF					1
.S=Skip	5398	6312	6108	6095	6423
0.No	2675	3119	2618	2138	3054
1.Yes	2813	3169	2738	3157	4047
2.Can't do	925	1196	866	911	1011
9.Don't do	6178	7584	7245	5856	5583

Value	R8JOG	R9JOG	R10JOG	R11JOG	R12JOG
.D=DK/NA	6	14	36	23	25
.R=RF	1		3	1	4
.S=Skip	6201	5887	7019	6694	6394
0.No	2841	2661	5563	5014	4684
1.Yes	4068	3810	6124	5689	5320
2.Can't do	1103	965	859	794	683
9.Don't do	4249	3880	2430	2339	1638

Value	S1JOG
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	1495
2.A little diff	1810
3.Somewhat diff	1902
4.Very diff/can't do	3053
9.Don't do	1640

Value	S2JOG
.D=DK/NA	40
.Q=Not asked this wv	4549
.R=RF	4
.U=Unmarried	5970
.V=Spouse NR	384
0.No	2491
1.Yes,a little	1684
2.Yes,a lot	3958
3.Yes,DK/NA how much	50
4.Yes,RF how much	7
9.Don't do	505

Value	S3JOG	S4JOG	S5JOG	S6JOG	S7JOG
.D=DK/NA	2	1	1	6	6
.R=RF					1
.S=Skip	2857	3297	3215	3163	3310
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	2058	2359	1988	1640	2304
1.Yes	2187	2415	2063	2365	2991
2.Can't do	590	768	568	574	685
9.Don't do	4221	5138	4895	3891	3675

Value	S8JOG	S9JOG	S10JOG	S11JOG	S12JOG
.D=DK/NA	4	9	24	14	18
.R=RF			2	1	
.S=Skip	3168	2890	3493	3301	3035
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	2132	1945	3904	3507	3232
1.Yes	2989	2714	4164	3870	3463
2.Can't do	703	628	542	454	409
9.Don't do	2739	2460	1384	1341	874

Value	R1WALK1
1.Not at all diff	11271
2.A little diff	605
3.Somewhat diff	396
4.Very diff/can't do	314
9.Don't do	66

Value	R2WALK1
.D=DK/NA	347
.Q=Not asked this wv	8222
.R=RF	2
0.No	10332
1.Yes,a little	294
2.Yes,a lot	441
4.Yes,RF how much	4

Value	R3WALK1	R4WALK1	R5WALK1	R6WALK1	R7WALK1
.D=DK/NA	4	4	4	6	3
.M=Oth missing	1				
.R=RF	2	5	3		3
.S=Skip	35	25	23	7	9
0.No	15368	18287	16477	15041	16875
1.Yes	1969	2401	2433	2517	2588
2.Can't do	398	472	413	407	404
9.Don't do	214	190	226	187	247

Value	R8WALK1	R9WALK1	R10WALK1	R11WALK1	R12WALK1
.D=DK/NA	4	5	10	18	16
.R=RF	3	1	7	4	2
.S=Skip	7	8	128	18	15
0.No	15257	14119	18347	16987	15404
1.Yes	2659	2593	3242	3256	3117
2.Can't do	367	341	201	177	119
9.Don't do	172	150	99	94	75

Value	S1WALK1
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	8949
2.A little diff	420
3.Somewhat diff	273
4.Very diff/can't do	218
9.Don't do	40

Value	S2WALK1
.D=DK/NA	265
.Q=Not asked this wv	4549
.R=RF	2
.U=Unmarried	5970
.V=Spouse NR	384
0.No	7987
1.Yes,a little	210
2.Yes,a lot	272
4.Yes,RF how much	3

Value	S3WALK1	S4WALK1	S5WALK1	S6WALK1	S7WALK1
.D=DK/NA	1	2	1	1	
.R=RF	1	1	1		1
.S=Skip	10	6	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	10658	12499	11245	10166	11470
1.Yes	1008	1217	1235	1250	1270
2.Can't do	161	187	157	149	140
9.Don't do	76	66	86	70	90

Value	S8WALK1	S9WALK1	S10WALK1	S11WALK1	S12WALK1
.D=DK/NA	1	2	5	9	7
.R=RF	2	1	4		1
.S=Skip	1	1	77	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10237	9269	11854	10880	9548
1.Yes	1305	1214	1483	1502	1409
2.Can't do	135	109	63	61	39
9.Don't do	54	50	27	32	24

Value	R1SIT
1.Not at all diff	8943
2.A little diff	1763
3.Somewhat diff	1169
4.Very diff/can't do	711
9.Don't do	66

Value	R2SIT
.D=DK/NA	12
.Q=Not asked this wv	8222
.R=RF	1
0.No	9166
1.Yes,a little	1324
2.Yes,a lot	895
3.Yes,DK/NA how much	4
4.Yes,RF how much	2
9.Don't do	16

Value	R3SIT	R4SIT	R5SIT	R6SIT	R7SIT
.D=DK/NA	4	6	7	7	7
.R=RF	2	5	3		6
.S=Skip	35	26	23	7	10
0.No	14486	17275	15790	14405	16112
1.Yes	3169	3751	3468	3498	3756
2.Can't do	123	113	99	75	96
9.Don't do	172	208	189	173	142

Value	R8SIT	R9SIT	R10SIT	R11SIT	R12SIT
.D=DK/NA	8	5	18	13	9
.R=RF	3	1	9	3	5
.S=Skip	7	8	129	18	16
0.No	14718	13786	17349	16186	14700
1.Yes	3517	3224	4376	4174	3879
2.Can't do	105	84	64	63	62
9.Don't do	111	109	89	97	77

Value	S1SIT
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	7049
2.A little diff	1396
3.Somewhat diff	901
4.Very diff/can't do	506
9.Don't do	48

Value	S2SIT
.D=DK/NA	12
.Q=Not asked this wv	4549
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	384
0.No	7110
1.Yes,a little	999
2.Yes,a lot	601
3.Yes,DK/NA how much	3
4.Yes,RF how much	2
9.Don't do	11

Value	S3SIT	S4SIT	S5SIT	S6SIT	S7SIT
.D=DK/NA	1		2	1	4
.R=RF	1	1	1		3
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	9700	11450	10457	9372	10519
1.Yes	2032	2335	2120	2132	2313
2.Can't do	67	62	43	28	52
9.Don't do	104	123	102	103	80

Value	S8SIT	S9SIT	S10SIT	S11SIT	S12SIT
.D=DK/NA	5	1	5	6	6
.R=RF	2	1	4		2
.S=Skip	1	1	78	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9527	8704	10873	10095	8900
1.Yes	2092	1856	2477	2304	2056
2.Can't do	54	27	31	34	30
9.Don't do	54	56	45	45	34

Value	R1CHAIR
1.Not at all diff	8152
2.A little diff	2768
3.Somewhat diff	1234
4.Very diff/can't do	472
9.Don't do	26

Value	R2CHAIR
.D=DK/NA	7
.Q=Not asked this wv	8222
.R=RF	1
0.No	7742
1.Yes,a little	2704
2.Yes,a lot	953
3.Yes,DK/NA how much	4
4.Yes,RF how much	6
9.Don't do	3

Value	R3CHAIR	R4CHAIR	R5CHAIR	R6CHAIR	R7CHAIR
.D=DK/NA	4	1	6	9	9
.M=Oth missing	1				
.R=RF	3	5	3		5
.S=Skip	35	26	23	7	10
0.No	11414	13524	12143	10715	12243
1.Yes	6327	7602	7201	7246	7657
2.Can't do	158	177	153	154	161
9.Don't do	49	49	50	34	44

Value	R8CHAIR	R9CHAIR	R10CHAIR	R11CHAIR	R12CHAIR
.D=DK/NA	7	4	19	31	25
.R=RF	3	2	10	2	6
.S=Skip	7	8	129	18	16
0.No	10707	10043	13238	12466	11179
1.Yes	7547	6987	8532	7936	7450
2.Can't do	164	133	79	81	53
9.Don't do	34	40	27	20	19

Value	S1CHAIR
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	6476
2.A little diff	2188
3.Somewhat diff	902
4.Very diff/can't do	317
9.Don't do	17

Value	S2CHAIR
.D=DK/NA	6
.Q=Not asked this wv	4549
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	384
0.No	6060
1.Yes,a little	2045
2.Yes,a lot	618
3.Yes,DK/NA how much	2
4.Yes,RF how much	4
9.Don't do	3

Value	S3CHAIR	S4CHAIR	S5CHAIR	S6CHAIR	S7CHAIR
.D=DK/NA	1		3	4	4
.M=Oth missing	1				
.R=RF	2	1	1		3
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	7954	9309	8321	7254	8269
1.Yes	3844	4563	4323	4307	4608
2.Can't do	76	73	56	56	64
9.Don't do	27	25	21	15	23

Value	S8CHAIR	S9CHAIR	S10CHAIR	S11CHAIR	S12CHAIR
.D=DK/NA	6	2	12	18	14
.R=RF	2	2	4		4
.S=Skip	1	1	78	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	7240	6622	8569	8043	7015
1.Yes	4412	3964	4814	4382	3970
2.Can't do	60	37	25	34	20
9.Don't do	14	18	11	7	5

Value	R1CLIMS
1.Not at all diff	6369
2.A little diff	2793
3.Somewhat diff	1506
4.Very diff/can't do	1684
9.Don't do	300

Value	R2CLIMS
.D=DK/NA	34
.Q=Not asked this wv	8222
.R=RF	1
0.No	7507
1.Yes,a little	1991
2.Yes,a lot	1795
3.Yes,DK/NA how much	2
4.Yes,RF how much	1
9.Don't do	89

Value	R3CLIMS	R4CLIMS	R5CLIMS	R6CLIMS	R7CLIMS
.D=DK/NA	9	19	22	17	39
.R=RF	3	6	3		5
.S=Skip	35	26	23	7	10
0.No	9101	10957	9791	8524	9966
1.Yes	5540	6654	6370	6485	7007
2.Can't do	1143	1303	1142	1123	1227
9.Don't do	2160	2419	2228	2009	1875

Value	R8CLIMS	R9CLIMS	R10CLIMS	R11CLIMS	R12CLIMS
.D=DK/NA	34	22	60	38	41
.R=RF	5	1	10	2	5
.S=Skip	7	8	129	18	16
0.No	8808	8177	11269	10429	9181
1.Yes	7195	6684	8940	8389	8210
2.Can't do	1102	967	801	803	641
9.Don't do	1318	1358	825	875	654

Value	S1CLIMS
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	5188
2.A little diff	2193
3.Somewhat diff	1169
4.Very diff/can't do	1152
9.Don't do	198

Value	S2CLIMS
.D=DK/NA	21
.Q=Not asked this wv	4549
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	384
0.No	5965
1.Yes,a little	1466
2.Yes,a lot	1224
4.Yes,RF how much	1
9.Don't do	61

Value	S3CLIMS	S4CLIMS	S5CLIMS	S6CLIMS	S7CLIMS
.D=DK/NA	5	10	12	8	22
.R=RF	2	1	1		3
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	6697	7957	7081	6189	7230
1.Yes	3525	4122	3948	3936	4263
2.Can't do	510	604	520	499	549
9.Don't do	1166	1277	1163	1004	904

Value	S8CLIMS	S9CLIMS	S10CLIMS	S11CLIMS	S12CLIMS
.D=DK/NA	16	9	29	18	21
.R=RF	3	1	5		3
.S=Skip	1	1	78	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	6360	5744	7688	7082	6100
1.Yes	4286	3900	5065	4702	4396
2.Can't do	464	364	317	339	263
9.Don't do	605	627	331	343	245

Value	R1CLIM1
1.Not at all diff	10323
2.A little diff	1066
3.Somewhat diff	649
4.Very diff/can't do	527
9.Don't do	87

Value	R2CLIM1
.D=DK/NA	94
.M=Oth missing	290
.R=RF	1
0.No	15709
1.Yes,a little	1348
2.Yes,a lot	1155
3.Yes,DK/NA how much	493
5.Can't do	256
9.Don't do	296

Value	R3CLIM1	R4CLIM1	R5CLIM1	R6CLIM1	R7CLIM1
.D=DK/NA	6	8	13	11	20
.R=RF	4	6	3		5
.S=Skip	35	26	23	7	10
0.No	14272	17032	15323	14161	15756
1.Yes	2248	2727	2704	2657	2917
2.Can't do	680	783	708	690	750
9.Don't do	746	802	805	639	671

Value	R8CLIM1	R9CLIM1	R10CLIM1	R11CLIM1	R12CLIM1
.D=DK/NA	14	10	32	21	27
.R=RF	2	1	7	3	3
.S=Skip	7	8	129	18	16
0.No	14350	13348	17390	16095	14607
1.Yes	2937	2747	3732	3624	3496
2.Can't do	687	615	452	465	340
9.Don't do	472	488	292	328	259

Value	S1CLIM1
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	8259
2.A little diff	784
3.Somewhat diff	460
4.Very diff/can't do	345
9.Don't do	52

Value	S2CLIM1
.D=DK/NA	66
.M=Oth missing	100
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	584
0.No	11144
1.Yes,a little	779
2.Yes,a lot	615
3.Yes,DK/NA how much	217
5.Can't do	79
9.Don't do	87

Value	S3CLIM1	S4CLIM1	S5CLIM1	S6CLIM1	S7CLIM1
.D=DK/NA	3	4	7	4	6
.R=RF	3	1	1		3
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	10066	11833	10653	9758	10894
1.Yes	1226	1471	1455	1375	1520
2.Can't do	281	334	282	256	292
9.Don't do	326	328	327	243	256

Value	S8CLIM1	S9CLIM1	S10CLIM1	S11CLIM1	S12CLIM1
.D=DK/NA	7	5	9	13	11
.R=RF	2	1	3	1	3
.S=Skip	1	1	78	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9788	8922	11376	10450	9187
1.Yes	1491	1364	1797	1740	1623
2.Can't do	265	193	151	168	120
9.Don't do	181	160	99	112	84

Value	R1STOOP
1.Not at all diff	7258
2.A little diff	2623
3.Somewhat diff	1414
4.Very diff/can't do	1284
9.Don't do	73

Value	R2STOOP
.D=DK/NA	4
.Q=Not asked this wv	8222
.R=RF	1
0.No	7429
1.Yes,a little	2248
2.Yes,a lot	1721
3.Yes,DK/NA how much	6
4.Yes,RF how much	7
9.Don't do	4

Value	R3STOOP	R4STOOP	R5STOOP	R6STOOP	R7STOOP
.D=DK/NA	7	5	5	11	16
.R=RF	4	6	4		5
.S=Skip	35	26	23	7	10
0.No	10503	12436	11054	9602	10836
1.Yes	6358	7618	7372	7459	7989
2.Can't do	804	932	767	786	880
9.Don't do	280	361	354	300	393

Value	R8STOOP	R9STOOP	R10STOOP	R11STOOP	R12STOOP
.D=DK/NA	11	8	26	30	37
.R=RF	3	1	10	4	3
.S=Skip	7	8	131	18	16
0.No	9439	8713	11629	10944	9685
1.Yes	7962	7577	9491	8869	8462
2.Can't do	797	653	592	499	407
9.Don't do	250	257	155	190	138

Value	S1STOOP
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	5832
2.A little diff	2077
3.Somewhat diff	1077
4.Very diff/can't do	871
9.Don't do	43

Value	S2STOOP
.D=DK/NA	3
.Q=Not asked this wv	4549
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	384
0.No	5858
1.Yes,a little	1701
2.Yes,a lot	1163
3.Yes,DK/NA how much	4
4.Yes,RF how much	6
9.Don't do	3

Value	S3STOOP	S4STOOP	S5STOOP	S6STOOP	S7STOOP
.D=DK/NA	2	3	1	3	4
.R=RF	3	1	2		3
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	7439	8693	7669	6646	7561
1.Yes	3960	4692	4564	4549	4866
2.Can't do	376	399	333	321	361
9.Don't do	125	183	156	117	176

Value	S8STOOP	S9STOOP	S10STOOP	S11STOOP	S12STOOP
.D=DK/NA	3	3	9	17	20
.R=RF	2	1	4	2	1
.S=Skip	1	1	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	6521	5861	7689	7189	6212
1.Yes	4767	4436	5441	4994	4577
2.Can't do	341	247	230	220	172
9.Don't do	100	97	61	62	46

Value	R1LIFT
1.Not at all diff	9451
2.A little diff	1363
3.Somewhat diff	823
4.Very diff/can't do	886
9.Don't do	129

Value	R2LIFT
.D=DK/NA	10
.M=Oth missing	481
.R=RF	2
0.No	14504
1.Yes,a little	1873
2.Yes,a lot	1958
3.Yes,DK/NA how much	9
4.Yes,RF how much	4
5.Can't do	548
9.Don't do	253

Value	R3LIFT	R4LIFT	R5LIFT	R6LIFT	R7LIFT
.D=DK/NA	3	6	7	7	12
.R=RF	4	7	5		4
.S=Skip	35	27	23	7	10
0.No	13089	15686	14321	13257	14844
1.Yes	3187	3860	3705	3492	3810
2.Can't do	721	814	607	615	662
9.Don't do	952	984	911	787	787

Value	R8LIFT	R9LIFT	R10LIFT	R11LIFT	R12LIFT
.D=DK/NA	7	7	17	17	18
.R=RF	2	1	9	4	3
.S=Skip	7	9	131	18	16
0.No	13476	12449	15811	14819	13288
1.Yes	3840	3701	5288	4984	4872
2.Can't do	571	509	423	363	302
9.Don't do	566	541	355	349	249

Value	S1LIFT
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	7633
2.A little diff	1010
3.Somewhat diff	600
4.Very diff/can't do	574
9.Don't do	83

Value	S2LIFT
.D=DK/NA	7
.M=Oth missing	198
.R=RF	2
.U=Unmarried	5970
.V=Spouse NR	584
0.No	10406
1.Yes,a little	1102
2.Yes,a lot	1056
3.Yes,DK/NA how much	6
4.Yes,RF how much	3
5.Can't do	222
9.Don't do	86

Value	S3LIFT	S4LIFT	S5LIFT	S6LIFT	S7LIFT
.D=DK/NA		2	1	2	2
.R=RF	3	1	3		2
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	9406	11123	10167	9352	10431
1.Yes	1779	2066	1939	1748	1968
2.Can't do	304	353	266	239	264
9.Don't do	413	426	349	295	304

Value	S8LIFT	S9LIFT	S10LIFT	S11LIFT	S12LIFT
.D=DK/NA	1	1	8	8	7
.R=RF	1	1	4	2	3
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9388	8501	10572	9868	8646
1.Yes	1925	1797	2579	2365	2201
2.Can't do	215	157	157	132	97
9.Don't do	204	187	114	109	74

Value	R1DIME
1.Not at all diff	11836
2.A little diff	455
3.Somewhat diff	246
4.Very diff/can't do	106
9.Don't do	9

Value	R2DIME
.D=DK/NA	11
.M=Oth missing	53
.R=RF	2
0.No	18373
1.Yes,a little	757
2.Yes,a lot	408
3.Yes,DK/NA how much	1
4.Yes,RF how much	1
5.Can't do	16
9.Don't do	20

Value	R3DIME	R4DIME	R5DIME	R6DIME	R7DIME
.D=DK/NA	5	13	17	18	28
.R=RF	3	6	4		4
.S=Skip	35	28	23	7	10
0.No	16590	19782	18045	16764	18610
1.Yes	1216	1372	1319	1230	1334
2.Can't do	103	128	118	105	96
9.Don't do	39	55	53	41	47

Value	R8DIME	R9DIME	R10DIME	R11DIME	R12DIME
.D=DK/NA	21	20	31	17	20
.R=RF	2	1	8	1	1
.S=Skip	7	9	131	18	16
0.No	16952	15751	20187	18888	17085
1.Yes	1358	1318	1585	1530	1573
2.Can't do	103	89	67	78	41
9.Don't do	26	29	25	22	12

Value	S1DIME
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	9330
2.A little diff	337
3.Somewhat diff	152
4.Very diff/can't do	75
9.Don't do	6

Value	S2DIME
.D=DK/NA	5
.M=Oth missing	25
.R=RF	2
.U=Unmarried	5970
.V=Spouse NR	584
0.No	12418
1.Yes,a little	420
2.Yes,a lot	204
3.Yes,DK/NA how much	1
4.Yes,RF how much	1
5.Can't do	6
9.Don't do	6

Value	S3DIME	S4DIME	S5DIME	S6DIME	S7DIME
.D=DK/NA	1	5	4	6	8
.R=RF	2	1	2		2
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	11170	13178	11950	10965	12240
1.Yes	666	707	704	607	666
2.Can't do	43	54	41	42	34
9.Don't do	23	26	24	16	21

Value	S8DIME	S9DIME	S10DIME	S11DIME	S12DIME
.D=DK/NA	5	3	13	4	10
.R=RF	1	1	3		1
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10985	9977	12611	11716	10265
1.Yes	696	624	772	725	730
2.Can't do	40	30	24	28	21
9.Don't do	7	9	11	11	1

Value	R1ARMS
1.Not at all diff	11126
2.A little diff	831
3.Somewhat diff	412
4.Very diff/can't do	267
9.Don't do	16

Value	R2ARMS
.D=DK/NA	8
.Q=Not asked this wv	8222
.R=RF	1
0.No	9972
1.Yes,a little	892
2.Yes,a lot	543
3.Yes,DK/NA how much	1
4.Yes,RF how much	3

Value	R3ARMS	R4ARMS	R5ARMS	R6ARMS	R7ARMS
.D=DK/NA	4	8	13	13	14
.R=RF	3	6	5		5
.S=Skip	35	27	23	7	10
0.No	14909	17856	16341	15024	16761
1.Yes	2738	3158	2938	2879	3067
2.Can't do	201	220	173	160	186
9.Don't do	101	109	86	82	86

Value	R8ARMS	R9ARMS	R10ARMS	R11ARMS	R12ARMS
.D=DK/NA	10	9	17	12	21
.R=RF	3	1	10	1	4
.S=Skip	7	8	131	18	16
0.No	15218	14211	17822	16778	15042
1.Yes	2993	2794	3892	3593	3561
2.Can't do	164	139	119	109	73
9.Don't do	74	55	43	43	31

Value	S1ARMS
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	8838
2.A little diff	588
3.Somewhat diff	290
4.Very diff/can't do	174
9.Don't do	10

Value	S2ARMS
.D=DK/NA	3
.Q=Not asked this wv	4549
.R=RF	1
.U=Unmarried	5970
.V=Spouse NR	384
0.No	7769
1.Yes,a little	622
2.Yes,a lot	341
3.Yes,DK/NA how much	1
4.Yes,RF how much	2

Value	S3ARMS	S4ARMS	S5ARMS	S6ARMS	S7ARMS
.D=DK/NA	2	4	6	3	4
.R=RF	2	1	3		3
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	10177	12051	10971	9950	11132
1.Yes	1589	1771	1633	1584	1719
2.Can't do	85	99	76	64	77
9.Don't do	50	45	36	35	36

Value	S8ARMS	S9ARMS	S10ARMS	S11ARMS	S12ARMS
.D=DK/NA	4	3	9	8	10
.R=RF	1	1	4		1
.S=Skip	1	1	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10010	9146	11378	10617	9249
1.Yes	1632	1417	1987	1797	1729
2.Can't do	61	51	41	43	29
9.Don't do	26	27	15	19	10

Value	R1PUSH
1.Not at all diff	9303
2.A little diff	1577
3.Somewhat diff	766
4.Very diff/can't do	843
9.Don't do	163

Value	R2PUSH
.D=DK/NA	9
.M=Oth missing	410
.R=RF	3
0.No	14115
1.Yes,a little	1758
2.Yes,a lot	1786
3.Yes,DK/NA how much	493
4.Yes,RF how much	10
5.Can't do	609
9.Don't do	449

Value	R3PUSH	R4PUSH	R5PUSH	R6PUSH	R7PUSH
.D=DK/NA	4	6	10	8	15
.M=Oth missing	1				
.R=RF	4	6	5		6
.S=Skip	35	27	23	7	10
0.No	12225	14799	13547	12373	14065
1.Yes	3302	3918	3713	3701	4021
2.Can't do	864	951	758	744	785
9.Don't do	1556	1677	1523	1332	1227

Value	R8PUSH	R9PUSH	R10PUSH	R11PUSH	R12PUSH
.D=DK/NA	15	10	16	17	19
.R=RF	2	1	9	4	4
.S=Skip	7	8	131	18	16
0.No	12620	11889	15174	14181	12813
1.Yes	4254	3859	5698	5367	5232
2.Can't do	679	573	489	441	346
9.Don't do	892	877	517	526	318

Value	S1PUSH
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	7471
2.A little diff	1225
3.Somewhat diff	551
4.Very diff/can't do	547
9.Don't do	106

Value	S2PUSH
.D=DK/NA	6
.M=Oth missing	169
.R=RF	2
.U=Unmarried	5970
.V=Spouse NR	584
0.No	10098
1.Yes,a little	1118
2.Yes,a lot	1042
3.Yes,DK/NA how much	216
4.Yes,RF how much	7
5.Can't do	259
9.Don't do	171

Value	S3PUSH	S4PUSH	S5PUSH	S6PUSH	S7PUSH
.D=DK/NA		3	2	6	6
.R=RF	3	1	3		4
.S=Skip	10	7	5	3	1
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	8757	10456	9578	8764	9887
1.Yes	1999	2264	2127	1987	2208
2.Can't do	381	429	340	299	335
9.Don't do	765	818	675	580	531

Value	S8PUSH	S9PUSH	S10PUSH	S11PUSH	S12PUSH
.D=DK/NA	6	5	5	10	12
.R=RF	1	1	4	1	2
.S=Skip	1	1	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	8805	8123	10129	9393	8268
1.Yes	2293	1987	2915	2718	2526
2.Can't do	264	213	190	176	117
9.Don't do	365	316	191	186	103

How Constructed

These variables recode raw variables for difficulty with activities besides activities of daily living (ADLs) and instrumental activities of daily living (IADLs) as they appear in the raw data, except for missing values, and accounting for skip patterns. The activities described here include walking several blocks (RwWALKS), jogging one mile (RwJOG), walking one block (RwWALK1), sitting for about 2 hours (RwSIT), getting up from a chair after sitting for long periods (RwCHAIR), climbing several flights of stairs without resting (RwCLIMS), climbing one flight of stairs without resting (RwCLIM1), lifting or carrying weights over 10 lbs (RwLIFT), stooping kneeling, or crouching (RwSTOOP), reaching arms above shoulder level (RwARMS), pushing or pulling large objects (RwPUSH), and picking up a dime from the table (RwDIME). These variables are referred to as Rw[func] in the descriptions below.

Note that RwJOG, RwWALK1, RwCLIMS, RwSIT, RwCHAIR, RwSTOOP, and RwARMS are not asked in Wave 2A. These variables are set to .Q in Wave 2 for AHEAD Respondents.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves "don't know" is recoded to special missing code .D and "refused" is recoded to .R. In Wave 1 "difficulty with an activity" is rated on a 4-point scale from "no difficulty" to "very difficult/can't do." These are assigned without change. A "don't do" answer is recoded to "9."

In Wave 2, the question asks if the Respondent has any difficulty with an activity and if so, asks follow-up questions about the degree of difficulty. In Wave 2H, the raw variable codes both questions as one categorical variable. In Wave 2A the answer to the first question and a categorical variable for the follow-up are given. In either case, a "no" answer to the first question about any difficulty is recoded to "0," and the categorical levels of difficulty are recoded appropriately to "a little" and "a lot," or "don't know/refused how much." In Wave 2A, if the Respondent says "don't do" to the first question about difficulty, s/he is asked if this is because of a health problem, and if so, "don't do" is changed to "can't do." In Wave 2A, "can't do" is recoded to "5." In Wave 2H, the "can't do" is not allowed. A "don't do" response is coded as "9."

From Wave 3 forward, the answers are simply "yes" for difficulty and "no" if not, which are coded "1" and "0," respectively. A "can't do" response is recoded to "2" and a "don't do" response is recoded to "9."

In some waves, questions about activities are skipped based on answers to previous questions. In Waves 1 and 2H, if a Respondent reports no difficulty jogging a mile, then the questions about walking several blocks and walking one block are skipped. In these cases RwWALKS and RwWALK1 are set to "0" for "no difficulty." In Wave 2A if the Respondent reports needing help in getting across a room, then the questions about walking several blocks, climbing one flight of stairs, and pushing large objects are skipped. In these cases difficulty is assumed for the skipped activities, and R2WALKS, R2CLIM1, and R2PUSH are set to "3, difficulty," but how much is not ascertained.

From Wave 3 forward, if the Respondent reports no difficulty walking several blocks, the question about walking one block is skipped, and RwWALK1 is set to "0" for "no difficulty." In all waves except 2A, if the Respondent said no difficulty to climbing several flights of stairs, the question about climbing one flight of stairs is skipped, and RwCLIM1 is set to "0" for no difficulty.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are other versions of the Rw[func] variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "some difficulty" (Rw[func]A). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct R1[func]A variables in Wave 1. Please see the description of the Rw[func]A variables under "Other functional limitations: Some difficulty" for this version. Some of the Rw[func]A variables are used to construct functional limitation indices. Please see "Other Summary Indices."

A third version of these variables are derived for Wave 1 only (R1[func]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "Other functional limitations: Recodes for comparison to Wallace and Herzog" for a description of the R1[func]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[func]A) solely due to measurement differences in the raw data. The R1[func]W variables are not appropriate for comparison to the Rw[func]A variables in other waves.

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 lbs. like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says s/he has "no difficulty" with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

In Wave 2H the questions and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...?" [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so may be observed less frequently than in other waves, simply because of questionnaire differences. The number of "Don't do" responses is much larger in other waves for most activities. For example, only 16 and 91 say "don't do" for sitting for 2 hours and climbing several flights of stairs in Wave 2H, but 87 and 736 have this response in Wave 3H, respectively. The specific wording for these activities and the question skips for walking and climbing stairs are the same as in Wave 1.

In Wave 2A, the questions are different from other waves and the list of activities is shorter. Also the ADL questions are asked first as a group. The questions ask about functional difficulties besides ADLs and IADLs:

"Do you have any difficulty ...?" Answers may be "yes," "no," "can't do" and "don't do." [If YES]: "Is that a little, or a lot of difficulty?" [If DON'T DO to the first question]: "Is that because of a health problem?"

The specific wording for these activities is: walking several blocks; climbing one flight of stairs without resting; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 lbs. like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports needing help getting across a room earlier in the interview, then the questions about walking several blocks, climbing stairs, and pushing large objects are skipped.

From Wave 3 forward, the questions about ADLs and IADLs are asked after those about the other activities described here. The questions ask:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you have any difficulty doing each of the everyday activities that I read to you. Exclude any difficulties that you expect to last less than three months. Because of a health problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply yes, no, can't do, or don't do. The exact wording for these activities is: walking several blocks; running or jogging about a mile; across a room; walking one block; sitting for about 2 hours; getting up from a chair after sitting for long periods; climbing several flights of stairs without resting; climbing one flight of stairs without resting; stooping, kneeling, or crouching; reaching or extending your arms above shoulder level; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 lbs. like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports no difficulty to walking several blocks, then the question about running a mile is asked, and the question about walking one block is skipped. The question about climbing one flight of stairs is skipped if no difficulty is reported for climbing several flights of stairs.

In Wave 7, the interviewer may also say the following if the Respondent is in a nursing home or confined to bed or a wheelchair, before asking about these activities:

"I am required to ask about all of these activities. I realize that you may not be able to do some of them, but I would appreciate it if you would just confirm that with me as we go through the list."

HRS Variables Used

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HRS 1992:
    V304            B4A:RUN OR JOG 1 MIL:IMP
    V305            B4B:WALK SEVERAL BLO:IMP
    V306            B4C:WALK 1 BLOCK    :IMP
    V308            B4E:SIT FOR 2 HOURS :IMP
    V309            B4F:GET UP AFTR SIT :IMP
    V311            B4H:CLMB SVRL FLTS S:IMP
    V312            B4J:1 FLT STAIRS-NO :IMP
    V313            B4K:LIFT/CARRY 10 LB:IMP
    V314            B4M:STOOP/KNEEL/CROU:IMP
    V315            B4N:PCK UP DIME FRM :IMP
    V317            B4Q:ARMS OVER SHOULD:IMP
    V318            B4R:PULL/PUSH LRG OB:IMP
AHEAD 1993:
    B768            E33. ADL WALK HELP EVER
    B852            E47. WALK SEV BLOCKS ANY DIFFICULTY
    B865            E48. STAIR CLIMB ANY DIFFICULTY
    B872            E49. HEAVY OBJ ANY DIFFICULTY
    B879            E50. LIFT 10 LBS ANY DIFFICULTY
    B882            E51. PICK UP DIME ANY DIFFICULTY
HRS 1994:
    W306            B4.RUNNING/JOGGING 1 MIL
    W307            B4a.WALKING SEVERAL BLOC
    W308            B4b.WALKING ONE BLOCK
    W311            B4e.GETTING UP AFTER SIT
    W313            B4g.CLIMBING SEVERAL FLI
    W314            B4h.CLIMBING ONE FLIGHT
    W315            B4j.LIFTING OR CARRYING
    W316            B4k.STOOPING/KNEELING/CR
    W317            B4m.PICKING UP A DIME
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    W319            B4p.EXTENDING ARMS ABOVE
    W320            B4q.PULLING/PUSHING LARG
AHEAD 1995:
    D1834           E60.DIFF-SEV BLKS
    D1837           E61.DIFF-JOG
    D1840           E62.DIFF-1 BLK
    D1843           E63.DIFF-SIT
    D1846           E64.DIFF-CHAIR
    D1849           E65.DIFF-STAIRS
    D1852           E66.DIFF-1 STAIR
    D1855           E67.DIFF-STOOP
    D1858           E68.DIFF-REACH
    D1861           E69.DIFF-PULL PUSH
    D1864           E70.E70.DIFF-WEIGHTS
    D1867           E71.PICK DIME
HRS 1996:
    E1858           E60.DIFF-SEV BLKS
    E1861           E61.DIFF-JOG
    E1864           E62.DIFF-1 BLK
    E1867           E63.DIFF-SIT
    E1870           E64.DIFF-CHAIR
    E1873           E65.DIFF-STAIRS
    E1876           E66.DIFF-1 STAIR
    E1879           E67.DIFF-STOOP
    E1882           E68.DIFF-REACH
    E1885           E69.DIFF-PULL PUSH
    E1888           E70.DIFF-WEIGHTS
    E1891           E71.PICK DIME
HRS 1998:
    F2391           E60.DIFF-SEV BLKS
    F2392           E61.DIFF-JOG
    F2394           E62.DIFF-1 BLK
    F2397           E63.DIFF-SIT
    F2400           E64.DIFF-CHAIR
    F2403           E65.DIFF-STAIRS
    F2406           E66.DIFF-1 STAIR
    F2409           E67.DIFF-STOOP
    F2412           E68.DIFF-REACH
    F2415           E69.DIFF-PULL PUSH
    F2418           E70.DIFF-WEIGHTS
    F2421           E71.PICK DIME
HRS 2000:
    G2689           E60.DIFF-SEV BLKS
    G2690           E61.DIFF-JOG
    G2692           E62.DIFF-1 BLK
    G2695           E63.DIFF-SIT
    G2698           E64.DIFF-CHAIR
    G2701           E65.DIFF-STAIRS
    G2704           E66.DIFF-1 STAIR
    G2707           E67.DIFF-STOOP
    G2710           E68.DIFF-REACH
    G2713           E69.DIFF-PULL PUSH
    G2716           E70.DIFF-WEIGHTS
    G2719           E71.PICK DIME
HRS 2002:
    HG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    HG002           DIFFICULTY- JOGGING 1 MILE
    HG003           DIFFICULTY- WALKING 1 BLOCK
    HG004           DIFFICULTY- SITTING 2 HOURS
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    HG005           DIFFICULTY- GETTING UP FROM CHAIR
    HG006           DIFFICULTY- CLIMBING STAIRS
    HG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    HG008           DIFFICULTY- STOOPING
    HG009           DIFFICULTY- REACHING ARMS
    HG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    HG011           DIFFICULTY- LIFTING WEIGHTS
    HG012           DIFFICULTY- PICKING UP DIME
HRS 2004:
    JG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    JG002           DIFFICULTY- JOGGING 1 MILE
    JG003           DIFFICULTY- WALKING 1 BLOCK
    JG004           DIFFICULTY- SITTING 2 HOURS
    JG005           DIFFICULTY- GETTING UP FROM CHAIR
    JG006           DIFFICULTY- CLIMBING STAIRS
    JG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    JG008           DIFFICULTY- STOOPING
    JG009           DIFFICULTY- REACHING ARMS
    JG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    JG011           DIFFICULTY- LIFTING WEIGHTS
    JG012           DIFFICULTY- PICKING UP DIME
HRS 2006:
    KG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    KG002           DIFFICULTY- JOGGING 1 MILE
    KG003           DIFFICULTY- WALKING 1 BLOCK
    KG004           DIFFICULTY- SITTING 2 HOURS
    KG005           DIFFICULTY- GETTING UP FROM CHAIR
    KG006           DIFFICULTY- CLIMBING STAIRS
    KG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    KG008           DIFFICULTY- STOOPING
    KG009           DIFFICULTY- REACHING ARMS
    KG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    KG011           DIFFICULTY- LIFTING WEIGHTS
    KG012           DIFFICULTY- PICKING UP DIME
HRS 2008:
    LG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    LG002           DIFFICULTY- JOGGING 1 MILE
    LG003           DIFFICULTY- WALKING 1 BLOCK
    LG004           DIFFICULTY- SITTING 2 HOURS
    LG005           DIFFICULTY- GETTING UP FROM CHAIR
    LG006           DIFFICULTY- CLIMBING STAIRS
    LG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    LG008           DIFFICULTY- STOOPING
    LG009           DIFFICULTY- REACHING ARMS
    LG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    LG011           DIFFICULTY- LIFTING WEIGHTS
    LG012           DIFFICULTY- PICKING UP DIME
HRS 2010:
    MG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    MG002           DIFFICULTY- JOGGING 1 MILE
    MG003           DIFFICULTY- WALKING 1 BLOCK
    MG004           DIFFICULTY- SITTING 2 HOURS
    MG005           DIFFICULTY- GETTING UP FROM CHAIR
    MG006           DIFFICULTY- CLIMBING STAIRS
    MG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    MG008           DIFFICULTY- STOOPING
    MG009           DIFFICULTY- REACHING ARMS
    MG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    MG011           DIFFICULTY- LIFTING WEIGHTS
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    MG012           DIFFICULTY- PICKING UP DIME
HRS 2012:
    NG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    NG002           DIFFICULTY- JOGGING 1 MILE
    NG003           DIFFICULTY- WALKING 1 BLOCK
    NG004           DIFFICULTY- SITTING 2 HOURS
    NG005           DIFFICULTY- GETTING UP FROM CHAIR
    NG006           DIFFICULTY- CLIMBING STAIRS
    NG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    NG008           DIFFICULTY- STOOPING
    NG009           DIFFICULTY- REACHING ARMS
    NG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    NG011           DIFFICULTY- LIFTING WEIGHTS
    NG012           DIFFICULTY- PICKING UP DIME
HRS 2014:
    OG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    OG002           DIFFICULTY- JOGGING 1 MILE
    OG003           DIFFICULTY- WALKING 1 BLOCK
    OG004           DIFFICULTY- SITTING 2 HOURS
    OG005           DIFFICULTY- GETTING UP FROM CHAIR
    OG006           DIFFICULTY- CLIMBING STAIRS
    OG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    OG008           DIFFICULTY- STOOPING
    OG009           DIFFICULTY- REACHING ARMS
    OG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    OG011           DIFFICULTY- LIFTING WEIGHTS
    OG012           DIFFICULTY- PICKING UP DIME
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Other Functional Limitations: Some difficulty

Wave	Variable	Label	Type
2	R2WALKSA	R2WALKSA:W2 R Some Diff-Walk sev blocks	Categ
3	R3WALKSA	R3WALKSA:W3 R Some Diff-Walk sev blocks	Categ
4	R4WALKSA	R4WALKSA:W4 R Some Diff-Walk sev blocks	Categ
5	R5WALKSA	R5WALKSA:W5 R Some Diff-Walk sev blocks	Categ
6	R6WALKSA	R6WALKSA:W6 R Some Diff-Walk sev blocks	Categ
7	R7WALKSA	R7WALKSA:W7 R Some Diff-Walk sev blocks	Categ
8	R8WALKSA	R8WALKSA:W8 R Some Diff-Walk sev blocks	Categ
9	R9WALKSA	R9WALKSA:W9 R Some Diff-Walk sev blocks	Categ
10	R10WALKSA	R10WALKSA:W10 R Some Diff-Walk sev blocks	Categ
11	R11WALKSA	R11WALKSA:W11 R Some Diff-Walk sev blocks	Categ
12	R12WALKSA	R12WALKSA:W12 R Some Diff-Walk sev blocks	Categ
2	S2WALKSA	S2WALKSA:W2 S Some Diff-Walk sev blocks	Categ
3	S3WALKSA	S3WALKSA:W3 S Some Diff-Walk sev blocks	Categ
4	S4WALKSA	S4WALKSA:W4 S Some Diff-Walk sev blocks	Categ
5	S5WALKSA	S5WALKSA:W5 S Some Diff-Walk sev blocks	Categ
6	S6WALKSA	S6WALKSA:W6 S Some Diff-Walk sev blocks	Categ
7	S7WALKSA	S7WALKSA:W7 S Some Diff-Walk sev blocks	Categ
8	S8WALKSA	S8WALKSA:W8 S Some Diff-Walk sev blocks	Categ
9	S9WALKSA	S9WALKSA:W9 S Some Diff-Walk sev blocks	Categ
10	S10WALKSA	S10WALKSA:W10 S Some Diff-Walk sev blocks	Categ
11	S11WALKSA	S11WALKSA:W11 S Some Diff-Walk sev blocks	Categ
12	S12WALKSA	S12WALKSA:W12 S Some Diff-Walk sev blocks	Categ
2	R2JOGA	R2JOGA:W2 R Some Diff-Jog one mile	Categ
3	R3JOGA	R3JOGA:W3 R Some Diff-Jog one mile	Categ
4	R4JOGA	R4JOGA:W4 R Some Diff-Jog one mile	Categ
5	R5JOGA	R5JOGA:W5 R Some Diff-Jog one mile	Categ
6	R6JOGA	R6JOGA:W6 R Some Diff-Jog one mile	Categ
7	R7JOGA	R7JOGA:W7 R Some Diff-Jog one mile	Categ
8	R8JOGA	R8JOGA:W8 R Some Diff-Jog one mile	Categ
9	R9JOGA	R9JOGA:W9 R Some Diff-Jog one mile	Categ
10	R10JOGA	R10JOGA:W10 R Some Diff-Jog one mile	Categ
11	R11JOGA	R11JOGA:W11 R Some Diff-Jog one mile	Categ
12	R12JOGA	R12JOGA:W12 R Some Diff-Jog one mile	Categ
2	S2JOGA	S2JOGA:W2 S Some Diff-Jog one mile	Categ
3	S3JOGA	S3JOGA:W3 S Some Diff-Jog one mile	Categ
4	S4JOGA	S4JOGA:W4 S Some Diff-Jog one mile	Categ
5	S5JOGA	S5JOGA:W5 S Some Diff-Jog one mile	Categ
6	S6JOGA	S6JOGA:W6 S Some Diff-Jog one mile	Categ
7	S7JOGA	S7JOGA:W7 S Some Diff-Jog one mile	Categ
8	S8JOGA	S8JOGA:W8 S Some Diff-Jog one mile	Categ
9	S9JOGA	S9JOGA:W9 S Some Diff-Jog one mile	Categ
10	S10JOGA	S10JOGA:W10 S Some Diff-Jog one mile	Categ
11	S11JOGA	S11JOGA:W11 S Some Diff-Jog one mile	Categ
12	S12JOGA	S12JOGA:W12 S Some Diff-Jog one mile	Categ
2	R2WALK1A	R2WALK1A:W2 R Some Diff-Walk one block	Categ
3	R3WALK1A	R3WALK1A:W3 R Some Diff-Walk one block	Categ
4	R4WALK1A	R4WALK1A:W4 R Some Diff-Walk one block	Categ
5	R5WALK1A	R5WALK1A:W5 R Some Diff-Walk one block	Categ
6	R6WALK1A	R6WALK1A:W6 R Some Diff-Walk one block	Categ
7	R7WALK1A	R7WALK1A:W7 R Some Diff-Walk one block	Categ
8	R8WALK1A	R8WALK1A:W8 R Some Diff-Walk one block	Categ
9	R9WALK1A	R9WALK1A:W9 R Some Diff-Walk one block	Categ
10	R10WALK1A	R10WALK1A:W10 R Some Diff-Walk one block	Categ
11	R11WALK1A	R11WALK1A:W11 R Some Diff-Walk one block	Categ
12	R12WALK1A	R12WALK1A:W12 R Some Diff-Walk one block	Categ
2	S2WALK1A	S2WALK1A:W2 S Some Diff-Walk one block	Categ
3	S3WALK1A	S3WALK1A:W3 S Some Diff-Walk one block	Categ
4	S4WALK1A	S4WALK1A:W4 S Some Diff-Walk one block	Categ
5	S5WALK1A	S5WALK1A:W5 S Some Diff-Walk one block	Categ
6	S6WALK1A	S6WALK1A:W6 S Some Diff-Walk one block	Categ
7	S7WALK1A	S7WALK1A:W7 S Some Diff-Walk one block	Categ

8	S8WALK1A	S8WALK1A:W8 S Some Diff-Walk one block	Categ
9	S9WALK1A	S9WALK1A:W9 S Some Diff-Walk one block	Categ
10	S10WALK1A	S10WALK1A:W10 S Some Diff-Walk one block	Categ
11	S11WALK1A	S11WALK1A:W11 S Some Diff-Walk one block	Categ
12	S12WALK1A	S12WALK1A:W12 S Some Diff-Walk one block	Categ
2	R2SITA	R2SITA:W2 R Some Diff-Sit for 2 hours	Categ
3	R3SITA	R3SITA:W3 R Some Diff-Sit for 2 hours	Categ
4	R4SITA	R4SITA:W4 R Some Diff-Sit for 2 hours	Categ
5	R5SITA	R5SITA:W5 R Some Diff-Sit for 2 hours	Categ
6	R6SITA	R6SITA:W6 R Some Diff-Sit for 2 hours	Categ
7	R7SITA	R7SITA:W7 R Some Diff-Sit for 2 hours	Categ
8	R8SITA	R8SITA:W8 R Some Diff-Sit for 2 hours	Categ
9	R9SITA	R9SITA:W9 R Some Diff-Sit for 2 hours	Categ
10	R10SITA	R10SITA:W10 R Some Diff-Sit for 2 hours	Categ
11	R11SITA	R11SITA:W11 R Some Diff-Sit for 2 hours	Categ
12	R12SITA	R12SITA:W12 R Some Diff-Sit for 2 hours	Categ
2	S2SITA	S2SITA:W2 S Some Diff-Sit for 2 hours	Categ
3	S3SITA	S3SITA:W3 S Some Diff-Sit for 2 hours	Categ
4	S4SITA	S4SITA:W4 S Some Diff-Sit for 2 hours	Categ
5	S5SITA	S5SITA:W5 S Some Diff-Sit for 2 hours	Categ
6	S6SITA	S6SITA:W6 S Some Diff-Sit for 2 hours	Categ
7	S7SITA	S7SITA:W7 S Some Diff-Sit for 2 hours	Categ
8	S8SITA	S8SITA:W8 S Some Diff-Sit for 2 hours	Categ
9	S9SITA	S9SITA:W9 S Some Diff-Sit for 2 hours	Categ
10	S10SITA	S10SITA:W10 S Some Diff-Sit for 2 hours	Categ
11	S11SITA	S11SITA:W11 S Some Diff-Sit for 2 hours	Categ
12	S12SITA	S12SITA:W12 S Some Diff-Sit for 2 hours	Categ
2	R2CHAIRA	R2CHAIRA:W2 R Some Diff-Get up fr chair	Categ
3	R3CHAIRA	R3CHAIRA:W3 R Some Diff-Get up fr chair	Categ
4	R4CHAIRA	R4CHAIRA:W4 R Some Diff-Get up fr chair	Categ
5	R5CHAIRA	R5CHAIRA:W5 R Some Diff-Get up fr chair	Categ
6	R6CHAIRA	R6CHAIRA:W6 R Some Diff-Get up fr chair	Categ
7	R7CHAIRA	R7CHAIRA:W7 R Some Diff-Get up fr chair	Categ
8	R8CHAIRA	R8CHAIRA:W8 R Some Diff-Get up fr chair	Categ
9	R9CHAIRA	R9CHAIRA:W9 R Some Diff-Get up fr chair	Categ
10	R10CHAIRA	R10CHAIRA:W10 R Some Diff-Get up fr chair	Categ
11	R11CHAIRA	R11CHAIRA:W11 R Some Diff-Get up fr chair	Categ
12	R12CHAIRA	R12CHAIRA:W12 R Some Diff-Get up fr chair	Categ
2	S2CHAIRA	S2CHAIRA:W2 S Some Diff-Get up fr chair	Categ
3	S3CHAIRA	S3CHAIRA:W3 S Some Diff-Get up fr chair	Categ
4	S4CHAIRA	S4CHAIRA:W4 S Some Diff-Get up fr chair	Categ
5	S5CHAIRA	S5CHAIRA:W5 S Some Diff-Get up fr chair	Categ
6	S6CHAIRA	S6CHAIRA:W6 S Some Diff-Get up fr chair	Categ
7	S7CHAIRA	S7CHAIRA:W7 S Some Diff-Get up fr chair	Categ
8	S8CHAIRA	S8CHAIRA:W8 S Some Diff-Get up fr chair	Categ
9	S9CHAIRA	S9CHAIRA:W9 S Some Diff-Get up fr chair	Categ
10	S10CHAIRA	S10CHAIRA:W10 S Some Diff-Get up fr chair	Categ
11	S11CHAIRA	S11CHAIRA:W11 S Some Diff-Get up fr chair	Categ
12	S12CHAIRA	S12CHAIRA:W12 S Some Diff-Get up fr chair	Categ
2	R2CLIMSA	R2CLIMSA:W2 R Some Diff-Clmb sev flt str	Categ
3	R3CLIMSA	R3CLIMSA:W3 R Some Diff-Clmb sev flt str	Categ
4	R4CLIMSA	R4CLIMSA:W4 R Some Diff-Clmb sev flt str	Categ
5	R5CLIMSA	R5CLIMSA:W5 R Some Diff-Clmb sev flt str	Categ
6	R6CLIMSA	R6CLIMSA:W6 R Some Diff-Clmb sev flt str	Categ
7	R7CLIMSA	R7CLIMSA:W7 R Some Diff-Clmb sev flt str	Categ
8	R8CLIMSA	R8CLIMSA:W8 R Some Diff-Clmb sev flt str	Categ
9	R9CLIMSA	R9CLIMSA:W9 R Some Diff-Clmb sev flt str	Categ
10	R10CLIMSA	R10CLIMSA:W10 R Some Diff-Clmb sev flt str	Categ
11	R11CLIMSA	R11CLIMSA:W11 R Some Diff-Clmb sev flt str	Categ
12	R12CLIMSA	R12CLIMSA:W12 R Some Diff-Clmb sev flt str	Categ
2	S2CLIMSA	S2CLIMSA:W2 S Some Diff-Clmb sev flt str	Categ
3	S3CLIMSA	S3CLIMSA:W3 S Some Diff-Clmb sev flt str	Categ
4	S4CLIMSA	S4CLIMSA:W4 S Some Diff-Clmb sev flt str	Categ
5	S5CLIMSA	S5CLIMSA:W5 S Some Diff-Clmb sev flt str	Categ
6	S6CLIMSA	S6CLIMSA:W6 S Some Diff-Clmb sev flt str	Categ
7	S7CLIMSA	S7CLIMSA:W7 S Some Diff-Clmb sev flt str	Categ

8	S8CLIMSA	S8CLIMSA:W8 S Some Diff-Clmb sev flt str	Categ
9	S9CLIMSA	S9CLIMSA:W9 S Some Diff-Clmb sev flt str	Categ
10	S10CLIMSA	S10CLIMSA:W10 S Some Diff-Clmb sev flt str	Categ
11	S11CLIMSA	S11CLIMSA:W11 S Some Diff-Clmb sev flt str	Categ
12	S12CLIMSA	S12CLIMSA:W12 S Some Diff-Clmb sev flt str	Categ
2	R2CLIM1A	R2CLIM1A:W2 R Some Diff-Clmb 1 flt stair	Categ
3	R3CLIM1A	R3CLIM1A:W3 R Some Diff-Clmb 1 flt stair	Categ
4	R4CLIM1A	R4CLIM1A:W4 R Some Diff-Clmb 1 flt stair	Categ
5	R5CLIM1A	R5CLIM1A:W5 R Some Diff-Clmb 1 flt stair	Categ
6	R6CLIM1A	R6CLIM1A:W6 R Some Diff-Clmb 1 flt stair	Categ
7	R7CLIM1A	R7CLIM1A:W7 R Some Diff-Clmb 1 flt stair	Categ
8	R8CLIM1A	R8CLIM1A:W8 R Some Diff-Clmb 1 flt stair	Categ
9	R9CLIM1A	R9CLIM1A:W9 R Some Diff-Clmb 1 flt stair	Categ
10	R10CLIM1A	R10CLIM1A:W10 R Some Diff-Clmb 1 flt stair	Categ
11	R11CLIM1A	R11CLIM1A:W11 R Some Diff-Clmb 1 flt stair	Categ
12	R12CLIM1A	R12CLIM1A:W12 R Some Diff-Clmb 1 flt stair	Categ
2	S2CLIM1A	S2CLIM1A:W2 S Some Diff-Clmb 1 flt stair	Categ
3	S3CLIM1A	S3CLIM1A:W3 S Some Diff-Clmb 1 flt stair	Categ
4	S4CLIM1A	S4CLIM1A:W4 S Some Diff-Clmb 1 flt stair	Categ
5	S5CLIM1A	S5CLIM1A:W5 S Some Diff-Clmb 1 flt stair	Categ
6	S6CLIM1A	S6CLIM1A:W6 S Some Diff-Clmb 1 flt stair	Categ
7	S7CLIM1A	S7CLIM1A:W7 S Some Diff-Clmb 1 flt stair	Categ
8	S8CLIM1A	S8CLIM1A:W8 S Some Diff-Clmb 1 flt stair	Categ
9	S9CLIM1A	S9CLIM1A:W9 S Some Diff-Clmb 1 flt stair	Categ
10	S10CLIM1A	S10CLIM1A:W10 S Some Diff-Clmb 1 flt stair	Categ
11	S11CLIM1A	S11CLIM1A:W11 S Some Diff-Clmb 1 flt stair	Categ
12	S12CLIM1A	S12CLIM1A:W12 S Some Diff-Clmb 1 flt stair	Categ
2	R2STOOPA	R2STOOPA:W2 R Some Diff-Stoop/Kneel/Crch	Categ
3	R3STOOPA	R3STOOPA:W3 R Some Diff-Stoop/Kneel/Crch	Categ
4	R4STOOPA	R4STOOPA:W4 R Some Diff-Stoop/Kneel/Crch	Categ
5	R5STOOPA	R5STOOPA:W5 R Some Diff-Stoop/Kneel/Crch	Categ
6	R6STOOPA	R6STOOPA:W6 R Some Diff-Stoop/Kneel/Crch	Categ
7	R7STOOPA	R7STOOPA:W7 R Some Diff-Stoop/Kneel/Crch	Categ
8	R8STOOPA	R8STOOPA:W8 R Some Diff-Stoop/Kneel/Crch	Categ
9	R9STOOPA	R9STOOPA:W9 R Some Diff-Stoop/Kneel/Crch	Categ
10	R10STOOPA	R10STOOPA:W10 R Some Diff-Stoop/Kneel/Crch	Categ
11	R11STOOPA	R11STOOPA:W11 R Some Diff-Stoop/Kneel/Crch	Categ
12	R12STOOPA	R12STOOPA:W12 R Some Diff-Stoop/Kneel/Crch	Categ
2	S2STOOPA	S2STOOPA:W2 S Some Diff-Stoop/Kneel/Crch	Categ
3	S3STOOPA	S3STOOPA:W3 S Some Diff-Stoop/Kneel/Crch	Categ
4	S4STOOPA	S4STOOPA:W4 S Some Diff-Stoop/Kneel/Crch	Categ
5	S5STOOPA	S5STOOPA:W5 S Some Diff-Stoop/Kneel/Crch	Categ
6	S6STOOPA	S6STOOPA:W6 S Some Diff-Stoop/Kneel/Crch	Categ
7	S7STOOPA	S7STOOPA:W7 S Some Diff-Stoop/Kneel/Crch	Categ
8	S8STOOPA	S8STOOPA:W8 S Some Diff-Stoop/Kneel/Crch	Categ
9	S9STOOPA	S9STOOPA:W9 S Some Diff-Stoop/Kneel/Crch	Categ
10	S10STOOPA	S10STOOPA:W10 S Some Diff-Stoop/Kneel/Crch	Categ
11	S11STOOPA	S11STOOPA:W11 S Some Diff-Stoop/Kneel/Crch	Categ
12	S12STOOPA	S12STOOPA:W12 S Some Diff-Stoop/Kneel/Crch	Categ
2	R2LIFTA	R2LIFTA:W2 R Some Diff-Lift/carry 10lbs	Categ
3	R3LIFTA	R3LIFTA:W3 R Some Diff-Lift/carry 10lbs	Categ
4	R4LIFTA	R4LIFTA:W4 R Some Diff-Lift/carry 10lbs	Categ
5	R5LIFTA	R5LIFTA:W5 R Some Diff-Lift/carry 10lbs	Categ
6	R6LIFTA	R6LIFTA:W6 R Some Diff-Lift/carry 10lbs	Categ
7	R7LIFTA	R7LIFTA:W7 R Some Diff-Lift/carry 10lbs	Categ
8	R8LIFTA	R8LIFTA:W8 R Some Diff-Lift/carry 10lbs	Categ
9	R9LIFTA	R9LIFTA:W9 R Some Diff-Lift/carry 10lbs	Categ
10	R10LIFTA	R10LIFTA:W10 R Some Diff-Lift/carry 10lbs	Categ
11	R11LIFTA	R11LIFTA:W11 R Some Diff-Lift/carry 10lbs	Categ
12	R12LIFTA	R12LIFTA:W12 R Some Diff-Lift/carry 10lbs	Categ
2	S2LIFTA	S2LIFTA:W2 S Some Diff-Lift/carry 10lbs	Categ
3	S3LIFTA	S3LIFTA:W3 S Some Diff-Lift/carry 10lbs	Categ
4	S4LIFTA	S4LIFTA:W4 S Some Diff-Lift/carry 10lbs	Categ
5	S5LIFTA	S5LIFTA:W5 S Some Diff-Lift/carry 10lbs	Categ
6	S6LIFTA	S6LIFTA:W6 S Some Diff-Lift/carry 10lbs	Categ
7	S7LIFTA	S7LIFTA:W7 S Some Diff-Lift/carry 10lbs	Categ

8	S8LIFTA	S8LIFTA:W8	S Some Diff-Lift/carry 10lbs	Categ
9	S9LIFTA	S9LIFTA:W9	S Some Diff-Lift/carry 10lbs	Categ
10	S10LIFTA	S10LIFTA:W10	S Some Diff-Lift/carry 10lbs	Categ
11	S11LIFTA	S11LIFTA:W11	S Some Diff-Lift/carry 10lbs	Categ
12	S12LIFTA	S12LIFTA:W12	S Some Diff-Lift/carry 10lbs	Categ
2	R2DIMEA	R2DIMEA:W2	R Some Diff-Pick up a dime	Categ
3	R3DIMEA	R3DIMEA:W3	R Some Diff-Pick up a dime	Categ
4	R4DIMEA	R4DIMEA:W4	R Some Diff-Pick up a dime	Categ
5	R5DIMEA	R5DIMEA:W5	R Some Diff-Pick up a dime	Categ
6	R6DIMEA	R6DIMEA:W6	R Some Diff-Pick up a dime	Categ
7	R7DIMEA	R7DIMEA:W7	R Some Diff-Pick up a dime	Categ
8	R8DIMEA	R8DIMEA:W8	R Some Diff-Pick up a dime	Categ
9	R9DIMEA	R9DIMEA:W9	R Some Diff-Pick up a dime	Categ
10	R10DIMEA	R10DIMEA:W10	R Some Diff-Pick up a dime	Categ
11	R11DIMEA	R11DIMEA:W11	R Some Diff-Pick up a dime	Categ
12	R12DIMEA	R12DIMEA:W12	R Some Diff-Pick up a dime	Categ
2	S2DIMEA	S2DIMEA:W2	S Some Diff-Pick up a dime	Categ
3	S3DIMEA	S3DIMEA:W3	S Some Diff-Pick up a dime	Categ
4	S4DIMEA	S4DIMEA:W4	S Some Diff-Pick up a dime	Categ
5	S5DIMEA	S5DIMEA:W5	S Some Diff-Pick up a dime	Categ
6	S6DIMEA	S6DIMEA:W6	S Some Diff-Pick up a dime	Categ
7	S7DIMEA	S7DIMEA:W7	S Some Diff-Pick up a dime	Categ
8	S8DIMEA	S8DIMEA:W8	S Some Diff-Pick up a dime	Categ
9	S9DIMEA	S9DIMEA:W9	S Some Diff-Pick up a dime	Categ
10	S10DIMEA	S10DIMEA:W10	S Some Diff-Pick up a dime	Categ
11	S11DIMEA	S11DIMEA:W11	S Some Diff-Pick up a dime	Categ
12	S12DIMEA	S12DIMEA:W12	S Some Diff-Pick up a dime	Categ
2	R2ARMSA	R2ARMSA:W2	R Some Diff-Rch/xtnd arms up	Categ
3	R3ARMSA	R3ARMSA:W3	R Some Diff-Rch/xtnd arms up	Categ
4	R4ARMSA	R4ARMSA:W4	R Some Diff-Rch/xtnd arms up	Categ
5	R5ARMSA	R5ARMSA:W5	R Some Diff-Rch/xtnd arms up	Categ
6	R6ARMSA	R6ARMSA:W6	R Some Diff-Rch/xtnd arms up	Categ
7	R7ARMSA	R7ARMSA:W7	R Some Diff-Rch/xtnd arms up	Categ
8	R8ARMSA	R8ARMSA:W8	R Some Diff-Rch/xtnd arms up	Categ
9	R9ARMSA	R9ARMSA:W9	R Some Diff-Rch/xtnd arms up	Categ
10	R10ARMSA	R10ARMSA:W10	R Some Diff-Rch/xtnd arms up	Categ
11	R11ARMSA	R11ARMSA:W11	R Some Diff-Rch/xtnd arms up	Categ
12	R12ARMSA	R12ARMSA:W12	R Some Diff-Rch/xtnd arms up	Categ
2	S2ARMSA	S2ARMSA:W2	S Some Diff-Rch/xtnd arms up	Categ
3	S3ARMSA	S3ARMSA:W3	S Some Diff-Rch/xtnd arms up	Categ
4	S4ARMSA	S4ARMSA:W4	S Some Diff-Rch/xtnd arms up	Categ
5	S5ARMSA	S5ARMSA:W5	S Some Diff-Rch/xtnd arms up	Categ
6	S6ARMSA	S6ARMSA:W6	S Some Diff-Rch/xtnd arms up	Categ
7	S7ARMSA	S7ARMSA:W7	S Some Diff-Rch/xtnd arms up	Categ
8	S8ARMSA	S8ARMSA:W8	S Some Diff-Rch/xtnd arms up	Categ
9	S9ARMSA	S9ARMSA:W9	S Some Diff-Rch/xtnd arms up	Categ
10	S10ARMSA	S10ARMSA:W10	S Some Diff-Rch/xtnd arms up	Categ
11	S11ARMSA	S11ARMSA:W11	S Some Diff-Rch/xtnd arms up	Categ
12	S12ARMSA	S12ARMSA:W12	S Some Diff-Rch/xtnd arms up	Categ
2	R2PUSHA	R2PUSHA:W2	R Some Diff-Push/pull lg obj	Categ
3	R3PUSHA	R3PUSHA:W3	R Some Diff-Push/pull lg obj	Categ
4	R4PUSHA	R4PUSHA:W4	R Some Diff-Push/pull lg obj	Categ
5	R5PUSHA	R5PUSHA:W5	R Some Diff-Push/pull lg obj	Categ
6	R6PUSHA	R6PUSHA:W6	R Some Diff-Push/pull lg obj	Categ
7	R7PUSHA	R7PUSHA:W7	R Some Diff-Push/pull lg obj	Categ
8	R8PUSHA	R8PUSHA:W8	R Some Diff-Push/pull lg obj	Categ
9	R9PUSHA	R9PUSHA:W9	R Some Diff-Push/pull lg obj	Categ
10	R10PUSHA	R10PUSHA:W10	R Some Diff-Push/pull lg obj	Categ
11	R11PUSHA	R11PUSHA:W11	R Some Diff-Push/pull lg obj	Categ
12	R12PUSHA	R12PUSHA:W12	R Some Diff-Push/pull lg obj	Categ
2	S2PUSHA	S2PUSHA:W2	S Some Diff-Push/pull lg obj	Categ
3	S3PUSHA	S3PUSHA:W3	S Some Diff-Push/pull lg obj	Categ
4	S4PUSHA	S4PUSHA:W4	S Some Diff-Push/pull lg obj	Categ
5	S5PUSHA	S5PUSHA:W5	S Some Diff-Push/pull lg obj	Categ
6	S6PUSHA	S6PUSHA:W6	S Some Diff-Push/pull lg obj	Categ
7	S7PUSHA	S7PUSHA:W7	S Some Diff-Push/pull lg obj	Categ

8	S8PUSHA	S8PUSHA:W8 S Some Diff-Push/pull lg obj	Categ
9	S9PUSHA	S9PUSHA:W9 S Some Diff-Push/pull lg obj	Categ
10	S10PUSHA	S10PUSHA:W10 S Some Diff-Push/pull lg obj	Categ
11	S11PUSHA	S11PUSHA:W11 S Some Diff-Push/pull lg obj	Categ
12	S12PUSHA	S12PUSHA:W12 S Some Diff-Push/pull lg obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WALKSA	19099	0.26	0.44	0.0	1.0
R3WALKSA	17417	0.28	0.45	0.0	1.0
R4WALKSA	20844	0.28	0.45	0.0	1.0
R5WALKSA	19007	0.29	0.45	0.0	1.0
R6WALKSA	17693	0.32	0.47	0.0	1.0
R7WALKSA	19585	0.30	0.46	0.0	1.0
R8WALKSA	18119	0.32	0.47	0.0	1.0
R9WALKSA	16879	0.33	0.47	0.0	1.0
R10WALKSA	21700	0.31	0.46	0.0	1.0
R11WALKSA	20332	0.32	0.47	0.0	1.0
R12WALKSA	18591	0.34	0.47	0.0	1.0
S2WALKSA	12753	0.20	0.40	0.0	1.0
S3WALKSA	11667	0.22	0.42	0.0	1.0
S4WALKSA	13746	0.22	0.42	0.0	1.0
S5WALKSA	12485	0.24	0.43	0.0	1.0
S6WALKSA	11456	0.26	0.44	0.0	1.0
S7WALKSA	12750	0.24	0.43	0.0	1.0
S8WALKSA	11604	0.26	0.44	0.0	1.0
S9WALKSA	10521	0.26	0.44	0.0	1.0
S10WALKSA	13364	0.25	0.43	0.0	1.0
S11WALKSA	12406	0.26	0.44	0.0	1.0
S12WALKSA	10981	0.27	0.44	0.0	1.0
R2JOGA	10703	0.70	0.46	0.0	1.0
R3JOGA	6413	0.58	0.49	0.0	1.0
R4JOGA	7484	0.58	0.49	0.0	1.0
R5JOGA	6222	0.58	0.49	0.0	1.0
R6JOGA	6206	0.66	0.48	0.0	1.0
R7JOGA	8112	0.62	0.48	0.0	1.0
R8JOGA	8012	0.65	0.48	0.0	1.0
R9JOGA	7436	0.64	0.48	0.0	1.0
R10JOGA	12546	0.56	0.50	0.0	1.0
R11JOGA	11497	0.56	0.50	0.0	1.0
R12JOGA	10687	0.56	0.50	0.0	1.0
S2JOGA	8190	0.70	0.46	0.0	1.0
S3JOGA	4835	0.57	0.49	0.0	1.0
S4JOGA	5542	0.57	0.49	0.0	1.0
S5JOGA	4619	0.57	0.50	0.0	1.0
S6JOGA	4579	0.64	0.48	0.0	1.0
S7JOGA	5980	0.61	0.49	0.0	1.0
S8JOGA	5824	0.63	0.48	0.0	1.0
S9JOGA	5287	0.63	0.48	0.0	1.0
S10JOGA	8610	0.55	0.50	0.0	1.0
S11JOGA	7831	0.55	0.50	0.0	1.0
S12JOGA	7104	0.55	0.50	0.0	1.0

R2WALK1A	11071	0.07	0.25	0.0	1.0
R3WALK1A	17735	0.13	0.34	0.0	1.0
R4WALK1A	21160	0.14	0.34	0.0	1.0
R5WALK1A	19323	0.15	0.35	0.0	1.0
R6WALK1A	17965	0.16	0.37	0.0	1.0
R7WALK1A	19867	0.15	0.36	0.0	1.0
R8WALK1A	18283	0.17	0.37	0.0	1.0
R9WALK1A	17053	0.17	0.38	0.0	1.0
R10WALK1A	21790	0.16	0.36	0.0	1.0
R11WALK1A	20420	0.17	0.37	0.0	1.0
R12WALK1A	18640	0.17	0.38	0.0	1.0
S2WALK1A	8472	0.06	0.23	0.0	1.0
S3WALK1A	11827	0.10	0.30	0.0	1.0
S4WALK1A	13903	0.10	0.30	0.0	1.0
S5WALK1A	12637	0.11	0.31	0.0	1.0
S6WALK1A	11565	0.12	0.33	0.0	1.0
S7WALK1A	12880	0.11	0.31	0.0	1.0
S8WALK1A	11677	0.12	0.33	0.0	1.0
S9WALK1A	10592	0.12	0.33	0.0	1.0
S10WALK1A	13400	0.12	0.32	0.0	1.0
S11WALK1A	12443	0.13	0.33	0.0	1.0
S12WALK1A	10996	0.13	0.34	0.0	1.0
R2SITA	11391	0.20	0.40	0.0	1.0
R3SITA	17778	0.19	0.39	0.0	1.0
R4SITA	21139	0.18	0.39	0.0	1.0
R5SITA	19357	0.18	0.39	0.0	1.0
R6SITA	17978	0.20	0.40	0.0	1.0
R7SITA	19964	0.19	0.39	0.0	1.0
R8SITA	18340	0.20	0.40	0.0	1.0
R9SITA	17094	0.19	0.40	0.0	1.0
R10SITA	21789	0.20	0.40	0.0	1.0
R11SITA	20423	0.21	0.41	0.0	1.0
R12SITA	18641	0.21	0.41	0.0	1.0
S2SITA	8715	0.18	0.39	0.0	1.0
S3SITA	11799	0.18	0.38	0.0	1.0
S4SITA	13847	0.17	0.38	0.0	1.0
S5SITA	12620	0.17	0.38	0.0	1.0
S6SITA	11532	0.19	0.39	0.0	1.0
S7SITA	12884	0.18	0.39	0.0	1.0
S8SITA	11673	0.18	0.39	0.0	1.0
S9SITA	10587	0.18	0.38	0.0	1.0
S10SITA	13381	0.19	0.39	0.0	1.0
S11SITA	12433	0.19	0.39	0.0	1.0
S12SITA	10986	0.19	0.39	0.0	1.0
R2CHAIRA	11409	0.32	0.47	0.0	1.0
R3CHAIRA	17899	0.36	0.48	0.0	1.0
R4CHAIRA	21303	0.37	0.48	0.0	1.0
R5CHAIRA	19497	0.38	0.48	0.0	1.0
R6CHAIRA	18115	0.41	0.49	0.0	1.0
R7CHAIRA	20061	0.39	0.49	0.0	1.0
R8CHAIRA	18418	0.42	0.49	0.0	1.0
R9CHAIRA	17163	0.41	0.49	0.0	1.0
R10CHAIRA	21849	0.39	0.49	0.0	1.0
R11CHAIRA	20483	0.39	0.49	0.0	1.0

R12CHAIRA	18682	0.40	0.49	0.0	1.0
S2CHAIRA	8729	0.31	0.46	0.0	1.0
S3CHAIRA	11874	0.33	0.47	0.0	1.0
S4CHAIRA	13945	0.33	0.47	0.0	1.0
S5CHAIRA	12700	0.34	0.48	0.0	1.0
S6CHAIRA	11617	0.38	0.48	0.0	1.0
S7CHAIRA	12941	0.36	0.48	0.0	1.0
S8CHAIRA	11712	0.38	0.49	0.0	1.0
S9CHAIRA	10623	0.38	0.48	0.0	1.0
S10CHAIRA	13408	0.36	0.48	0.0	1.0
S11CHAIRA	12459	0.35	0.48	0.0	1.0
S12CHAIRA	11005	0.36	0.48	0.0	1.0
R2CLIMSA	11296	0.34	0.47	0.0	1.0
R3CLIMSA	15784	0.42	0.49	0.0	1.0
R4CLIMSA	18914	0.42	0.49	0.0	1.0
R5CLIMSA	17303	0.43	0.50	0.0	1.0
R6CLIMSA	16132	0.47	0.50	0.0	1.0
R7CLIMSA	18200	0.45	0.50	0.0	1.0
R8CLIMSA	17105	0.49	0.50	0.0	1.0
R9CLIMSA	15828	0.48	0.50	0.0	1.0
R10CLIMSA	21010	0.46	0.50	0.0	1.0
R11CLIMSA	19621	0.47	0.50	0.0	1.0
R12CLIMSA	18032	0.49	0.50	0.0	1.0
S2CLIMSA	8656	0.31	0.46	0.0	1.0
S3CLIMSA	10732	0.38	0.48	0.0	1.0
S4CLIMSA	12683	0.37	0.48	0.0	1.0
S5CLIMSA	11549	0.39	0.49	0.0	1.0
S6CLIMSA	10624	0.42	0.49	0.0	1.0
S7CLIMSA	12042	0.40	0.49	0.0	1.0
S8CLIMSA	11110	0.43	0.49	0.0	1.0
S9CLIMSA	10008	0.43	0.49	0.0	1.0
S10CLIMSA	13070	0.41	0.49	0.0	1.0
S11CLIMSA	12123	0.42	0.49	0.0	1.0
S12CLIMSA	10759	0.43	0.50	0.0	1.0
R2CLIM1A	19249	0.18	0.39	0.0	1.0
R3CLIM1A	17200	0.17	0.38	0.0	1.0
R4CLIM1A	20542	0.17	0.38	0.0	1.0
R5CLIM1A	18735	0.18	0.39	0.0	1.0
R6CLIM1A	17508	0.19	0.39	0.0	1.0
R7CLIM1A	19423	0.19	0.39	0.0	1.0
R8CLIM1A	17974	0.20	0.40	0.0	1.0
R9CLIM1A	16710	0.20	0.40	0.0	1.0
R10CLIM1A	21574	0.19	0.40	0.0	1.0
R11CLIM1A	20184	0.20	0.40	0.0	1.0
R12CLIM1A	18443	0.21	0.41	0.0	1.0
S2CLIM1A	12932	0.14	0.35	0.0	1.0
S3CLIM1A	11573	0.13	0.34	0.0	1.0
S4CLIM1A	13638	0.13	0.34	0.0	1.0
S5CLIM1A	12390	0.14	0.35	0.0	1.0
S6CLIM1A	11389	0.14	0.35	0.0	1.0
S7CLIM1A	12706	0.14	0.35	0.0	1.0
S8CLIM1A	11544	0.15	0.36	0.0	1.0
S9CLIM1A	10479	0.15	0.36	0.0	1.0
S10CLIM1A	13324	0.15	0.35	0.0	1.0

S11CLIM1A	12358	0.15	0.36	0.0	1.0
S12CLIM1A	10930	0.16	0.37	0.0	1.0
R2STOOPA	11411	0.35	0.48	0.0	1.0
R3STOOPA	17665	0.41	0.49	0.0	1.0
R4STOOPA	20986	0.41	0.49	0.0	1.0
R5STOOPA	19193	0.42	0.49	0.0	1.0
R6STOOPA	17847	0.46	0.50	0.0	1.0
R7STOOPA	19705	0.45	0.50	0.0	1.0
R8STOOPA	18198	0.48	0.50	0.0	1.0
R9STOOPA	16943	0.49	0.50	0.0	1.0
R10STOOPA	21712	0.46	0.50	0.0	1.0
R11STOOPA	20312	0.46	0.50	0.0	1.0
R12STOOPA	18554	0.48	0.50	0.0	1.0
S2STOOPA	8732	0.33	0.47	0.0	1.0
S3STOOPA	11775	0.37	0.48	0.0	1.0
S4STOOPA	13784	0.37	0.48	0.0	1.0
S5STOOPA	12566	0.39	0.49	0.0	1.0
S6STOOPA	11516	0.42	0.49	0.0	1.0
S7STOOPA	12788	0.41	0.49	0.0	1.0
S8STOOPA	11629	0.44	0.50	0.0	1.0
S9STOOPA	10544	0.44	0.50	0.0	1.0
S10STOOPA	13360	0.42	0.49	0.0	1.0
S11STOOPA	12403	0.42	0.49	0.0	1.0
S12STOOPA	10961	0.43	0.50	0.0	1.0
R2LIFTA	19376	0.25	0.43	0.0	1.0
R3LIFTA	16997	0.23	0.42	0.0	1.0
R4LIFTA	20360	0.23	0.42	0.0	1.0
R5LIFTA	18633	0.23	0.42	0.0	1.0
R6LIFTA	17364	0.24	0.42	0.0	1.0
R7LIFTA	19316	0.23	0.42	0.0	1.0
R8LIFTA	17887	0.25	0.43	0.0	1.0
R9LIFTA	16659	0.25	0.43	0.0	1.0
R10LIFTA	21522	0.27	0.44	0.0	1.0
R11LIFTA	20166	0.27	0.44	0.0	1.0
R12LIFTA	18462	0.28	0.45	0.0	1.0
S2LIFTA	12992	0.20	0.40	0.0	1.0
S3LIFTA	11489	0.18	0.39	0.0	1.0
S4LIFTA	13542	0.18	0.38	0.0	1.0
S5LIFTA	12372	0.18	0.38	0.0	1.0
S6LIFTA	11339	0.18	0.38	0.0	1.0
S7LIFTA	12663	0.18	0.38	0.0	1.0
S8LIFTA	11528	0.19	0.39	0.0	1.0
S9LIFTA	10455	0.19	0.39	0.0	1.0
S10LIFTA	13308	0.21	0.40	0.0	1.0
S11LIFTA	12365	0.20	0.40	0.0	1.0
S12LIFTA	10944	0.21	0.41	0.0	1.0
R2DIMEA	19607	0.06	0.24	0.0	1.0
R3DIMEA	17909	0.07	0.26	0.0	1.0
R4DIMEA	21282	0.07	0.26	0.0	1.0
R5DIMEA	19482	0.07	0.26	0.0	1.0
R6DIMEA	18099	0.07	0.26	0.0	1.0
R7DIMEA	20040	0.07	0.26	0.0	1.0
R8DIMEA	18413	0.08	0.27	0.0	1.0
R9DIMEA	17158	0.08	0.27	0.0	1.0

R10DIMEA	21839	0.08	0.26	0.0	1.0
R11DIMEA	20496	0.08	0.27	0.0	1.0
R12DIMEA	18699	0.09	0.28	0.0	1.0
S2DIMEA	13074	0.05	0.22	0.0	1.0
S3DIMEA	11879	0.06	0.24	0.0	1.0
S4DIMEA	13939	0.05	0.23	0.0	1.0
S5DIMEA	12695	0.06	0.24	0.0	1.0
S6DIMEA	11614	0.06	0.23	0.0	1.0
S7DIMEA	12940	0.05	0.23	0.0	1.0
S8DIMEA	11721	0.06	0.24	0.0	1.0
S9DIMEA	10631	0.06	0.24	0.0	1.0
S10DIMEA	13407	0.06	0.24	0.0	1.0
S11DIMEA	12469	0.06	0.24	0.0	1.0
S12DIMEA	11016	0.07	0.25	0.0	1.0
R2ARMSA	11411	0.13	0.33	0.0	1.0
R3ARMSA	17848	0.16	0.37	0.0	1.0
R4ARMSA	21234	0.16	0.37	0.0	1.0
R5ARMSA	19452	0.16	0.37	0.0	1.0
R6ARMSA	18063	0.17	0.37	0.0	1.0
R7ARMSA	20014	0.16	0.37	0.0	1.0
R8ARMSA	18375	0.17	0.38	0.0	1.0
R9ARMSA	17144	0.17	0.38	0.0	1.0
R10ARMSA	21833	0.18	0.39	0.0	1.0
R11ARMSA	20480	0.18	0.38	0.0	1.0
R12ARMSA	18676	0.19	0.40	0.0	1.0
S2ARMSA	8735	0.11	0.31	0.0	1.0
S3ARMSA	11851	0.14	0.35	0.0	1.0
S4ARMSA	13921	0.13	0.34	0.0	1.0
S5ARMSA	12680	0.13	0.34	0.0	1.0
S6ARMSA	11598	0.14	0.35	0.0	1.0
S7ARMSA	12928	0.14	0.35	0.0	1.0
S8ARMSA	11703	0.14	0.35	0.0	1.0
S9ARMSA	10614	0.14	0.35	0.0	1.0
S10ARMSA	13406	0.15	0.36	0.0	1.0
S11ARMSA	12457	0.15	0.35	0.0	1.0
S12ARMSA	11007	0.16	0.37	0.0	1.0
R2PUSHA	19178	0.26	0.44	0.0	1.0
R3PUSHA	16391	0.25	0.44	0.0	1.0
R4PUSHA	19668	0.25	0.43	0.0	1.0
R5PUSHA	18018	0.25	0.43	0.0	1.0
R6PUSHA	16818	0.26	0.44	0.0	1.0
R7PUSHA	18871	0.25	0.44	0.0	1.0
R8PUSHA	17553	0.28	0.45	0.0	1.0
R9PUSHA	16321	0.27	0.44	0.0	1.0
R10PUSHA	21361	0.29	0.45	0.0	1.0
R11PUSHA	19989	0.29	0.45	0.0	1.0
R12PUSHA	18391	0.30	0.46	0.0	1.0
S2PUSHA	12908	0.22	0.41	0.0	1.0
S3PUSHA	11137	0.21	0.41	0.0	1.0
S4PUSHA	13149	0.20	0.40	0.0	1.0
S5PUSHA	12045	0.20	0.40	0.0	1.0
S6PUSHA	11050	0.21	0.41	0.0	1.0
S7PUSHA	12430	0.20	0.40	0.0	1.0
S8PUSHA	11362	0.23	0.42	0.0	1.0

S9PUSHA	10323	0.21	0.41	0.0	1.0
S10PUSHA	13234	0.23	0.42	0.0	1.0
S11PUSHA	12287	0.24	0.42	0.0	1.0
S12PUSHA	10911	0.24	0.43	0.0	1.0

Categorical Variable Codes

Value	R2WALKSA	R3WALKSA	R4WALKSA	R5WALKSA	R6WALKSA	R7WALKSA
.D=DK/NA	340	4	3	4	3	5
.M=Oth missing	1	1				
.R=RF	1	2	5	3		4
.S=Skip		35	25	23	7	9
.X=Don't do	201	532	507	542	462	526
0.No	14211	12593	15073	13471	12070	13706
1.Yes	4888	4824	5771	5536	5623	5879

Value	R8WALKSA	R9WALKSA	R10WALKSA	R11WALKSA	R12WALKSA
.D=DK/NA	4	7	11	19	21
.R=RF	3	1	7	5	1
.S=Skip	7	7	128	18	15
.X=Don't do	336	323	188	180	120
0.No	12268	11330	15016	13860	12354
1.Yes	5851	5549	6684	6472	6237

Value	S2WALKSA	S3WALKSA	S4WALKSA	S5WALKSA	S6WALKSA	S7WALKSA
.D=DK/NA	260	1		2	2	3
.M=Oth missing	1	1				
.R=RF	1	1	1	1		2
.S=Skip		10	6	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	73	235	225	237	178	216
0.No	10170	9058	10682	9515	8476	9662
1.Yes	2583	2609	3064	2970	2980	3088

Value	S8WALKSA	S9WALKSA	S10WALKSA	S11WALKSA	S12WALKSA
.D=DK/NA	1	3	8	7	6
.R=RF	2	1	4	1	1
.S=Skip	1		77	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	127	121	60	70	40
0.No	8567	7756	10021	9187	7996
1.Yes	3037	2765	3343	3219	2985

Value	R2JOGA	R3JOGA	R4JOGA	R5JOGA	R6JOGA	R7JOGA
.D=DK/NA	55	2	4	4	8	10
.Q=Not asked this wv	8222					
.R=RF	4					1
.S=Skip		5398	6312	6108	6095	6423
.X=Don't do	658	6178	7584	7245	5856	5583
0.No	3200	2675	3119	2618	2138	3054
1.Yes	7503	3738	4365	3604	4068	5058

Value	R8JOGA	R9JOGA	R10JOGA	R11JOGA	R12JOGA
.D=DK/NA	6	14	36	23	25
.R=RF	1		3	1	4
.S=Skip	6201	5887	7019	6694	6394
.X=Don't do	4249	3880	2430	2339	1638
0.No	2841	2661	5563	5014	4684
1.Yes	5171	4775	6983	6483	6003

Value	S2JOGA	S3JOGA	S4JOGA	S5JOGA	S6JOGA	S7JOGA
.D=DK/NA	40	2	1	1	6	6
.Q=Not asked this wv	4549					
.R=RF	4					1
.S=Skip		2857	3297	3215	3163	3310
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
.X=Don't do	505	4221	5138	4895	3891	3675
0.No	2491	2058	2359	1988	1640	2304
1.Yes	5699	2777	3183	2631	2939	3676

Value	S8JOGA	S9JOGA	S10JOGA	S11JOGA	S12JOGA
.D=DK/NA	4	9	24	14	18
.R=RF			2	1	
.S=Skip	3168	2890	3493	3301	3035
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	2739	2460	1384	1341	874
0.No	2132	1945	3904	3507	3232
1.Yes	3692	3342	4706	4324	3872

Value	R2WALK1A	R3WALK1A	R4WALK1A	R5WALK1A	R6WALK1A	R7WALK1A
.D=DK/NA	347	4	4	4	6	3
.M=Oth missing		1				
.Q=Not asked this wv	8222					
.R=RF	2	2	5	3		3
.S=Skip		35	25	23	7	9
.X=Don't do		214	190	226	187	247
0.No	10332	15368	18287	16477	15041	16875
1.Yes	739	2367	2873	2846	2924	2992

Value	R8WALK1A	R9WALK1A	R10WALK1A	R11WALK1A	R12WALK1A
.D=DK/NA	4	5	10	18	16
.R=RF	3	1	7	4	2
.S=Skip	7	8	128	18	15
.X=Don't do	172	150	99	94	75
0.No	15257	14119	18347	16987	15404
1.Yes	3026	2934	3443	3433	3236

Value	S2WALK1A	S3WALK1A	S4WALK1A	S5WALK1A	S6WALK1A	S7WALK1A
.D=DK/NA	265	1	2	1	1	
.Q=Not asked this wv	4549					
.R=RF	2	1	1	1		1
.S=Skip		10	6	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
.X=Don't do		76	66	86	70	90
0.No	7987	10658	12499	11245	10166	11470
1.Yes	485	1169	1404	1392	1399	1410

Value	S8WALK1A	S9WALK1A	S10WALK1A	S11WALK1A	S12WALK1A
.D=DK/NA	1	2	5	9	7
.R=RF	2	1	4		1
.S=Skip	1	1	77	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	54	50	27	32	24
0.No	10237	9269	11854	10880	9548
1.Yes	1440	1323	1546	1563	1448

Value	R2SITA	R3SITA	R4SITA	R5SITA	R6SITA	R7SITA
.D=DK/NA	12	4	6	7	7	7
.Q=Not asked this wv	8222					
.R=RF	1	2	5	3		6
.S=Skip		35	26	23	7	10
.X=Don't do	16	172	208	189	173	142
0.No	9166	14486	17275	15790	14405	16112
1.Yes	2225	3292	3864	3567	3573	3852

Value	R8SITA	R9SITA	R10SITA	R11SITA	R12SITA
.D=DK/NA	8	5	18	13	9
.R=RF	3	1	9	3	5
.S=Skip	7	8	129	18	16
.X=Don't do	111	109	89	97	77
0.No	14718	13786	17349	16186	14700
1.Yes	3622	3308	4440	4237	3941

Value	S2SITA	S3SITA	S4SITA	S5SITA	S6SITA	S7SITA
.D=DK/NA	12	1		2	1	4
.Q=Not asked this wv	4549					
.R=RF	1	1	1	1		3
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
.X=Don't do	11	104	123	102	103	80
0.No	7110	9700	11450	10457	9372	10519
1.Yes	1605	2099	2397	2163	2160	2365

Value	S8SITA	S9SITA	S10SITA	S11SITA	S12SITA
.D=DK/NA	5	1	5	6	6
.R=RF	2	1	4		2
.S=Skip	1	1	78	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	54	56	45	45	34
0.No	9527	8704	10873	10095	8900
1.Yes	2146	1883	2508	2338	2086

Value	R2CHAIRA	R3CHAIRA	R4CHAIRA	R5CHAIRA	R6CHAIRA	R7CHAIRA
.D=DK/NA	7	4	1	6	9	9
.M=Oth missing		1				
.Q=Not asked this wv	8222					
.R=RF	1	3	5	3		5
.S=Skip		35	26	23	7	10
.X=Don't do	3	49	49	50	34	44
0.No	7742	11414	13524	12143	10715	12243
1.Yes	3667	6485	7779	7354	7400	7818

Value	R8CHAIRA	R9CHAIRA	R10CHAIRA	R11CHAIRA	R12CHAIRA
.D=DK/NA	7	4	19	31	25
.R=RF	3	2	10	2	6
.S=Skip	7	8	129	18	16
.X=Don't do	34	40	27	20	19
0.No	10707	10043	13238	12466	11179
1.Yes	7711	7120	8611	8017	7503

Value	S2CHAIRA	S3CHAIRA	S4CHAIRA	S5CHAIRA	S6CHAIRA	S7CHAIRA
.D=DK/NA	6	1		3	4	4
.M=Oth missing		1				
.Q=Not asked this wv	4549					
.R=RF	1	2	1	1		3
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
.X=Don't do	3	27	25	21	15	23
0.No	6060	7954	9309	8321	7254	8269
1.Yes	2669	3920	4636	4379	4363	4672

Value	S8CHAIRA	S9CHAIRA	S10CHAIRA	S11CHAIRA	S12CHAIRA
.D=DK/NA	6	2	12	18	14
.R=RF	2	2	4		4
.S=Skip	1	1	78	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	14	18	11	7	5
0.No	7240	6622	8569	8043	7015
1.Yes	4472	4001	4839	4416	3990

Value	R2CLIMSA	R3CLIMSA	R4CLIMSA	R5CLIMSA	R6CLIMSA	R7CLIMSA
.D=DK/NA	34	9	19	22	17	39
.Q=Not asked this wv	8222					
.R=RF	1	3	6	3		5
.S=Skip		35	26	23	7	10
.X=Don't do	89	2160	2419	2228	2009	1875
0.No	7507	9101	10957	9791	8524	9966
1.Yes	3789	6683	7957	7512	7608	8234

Value	R8CLIMSA	R9CLIMSA	R10CLIMSA	R11CLIMSA	R12CLIMSA
.D=DK/NA	34	22	60	38	41
.R=RF	5	1	10	2	5
.S=Skip	7	8	129	18	16
.X=Don't do	1318	1358	825	875	654
0.No	8808	8177	11269	10429	9181
1.Yes	8297	7651	9741	9192	8851

Value	S2CLIMSA	S3CLIMSA	S4CLIMSA	S5CLIMSA	S6CLIMSA	S7CLIMSA
.D=DK/NA	21	5	10	12	8	22
.Q=Not asked this wv	4549					
.R=RF	1	2	1	1		3
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
.X=Don't do	61	1166	1277	1163	1004	904
0.No	5965	6697	7957	7081	6189	7230
1.Yes	2691	4035	4726	4468	4435	4812

Value	S8CLIMSA	S9CLIMSA	S10CLIMSA	S11CLIMSA	S12CLIMSA
.D=DK/NA	16	9	29	18	21
.R=RF	3	1	5		3
.S=Skip	1	1	78	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	605	627	331	343	245
0.No	6360	5744	7688	7082	6100
1.Yes	4750	4264	5382	5041	4659

Value	R2CLIM1A	R3CLIM1A	R4CLIM1A	R5CLIM1A	R6CLIM1A	R7CLIM1A
.D=DK/NA	94	6	8	13	11	20
.M=Oth missing	1					
.R=RF	1	4	6	3		5
.S=Skip		35	26	23	7	10
.X=Don't do	297	746	802	805	639	671
0.No	15709	14272	17032	15323	14161	15756
1.Yes	3540	2928	3510	3412	3347	3667

Value	R8CLIM1A	R9CLIM1A	R10CLIM1A	R11CLIM1A	R12CLIM1A
.D=DK/NA	14	10	32	21	27
.R=RF	2	1	7	3	3
.S=Skip	7	8	129	18	16
.X=Don't do	472	488	292	328	259
0.No	14350	13348	17390	16095	14607
1.Yes	3624	3362	4184	4089	3836

Value	S2CLIM1A	S3CLIM1A	S4CLIM1A	S5CLIM1A	S6CLIM1A	S7CLIM1A
.D=DK/NA	66	3	4	7	4	6
.M=Oth missing	1					
.R=RF	1	3	1	1		3
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	88	326	328	327	243	256
0.No	11144	10066	11833	10653	9758	10894
1.Yes	1788	1507	1805	1737	1631	1812

Value	S8CLIM1A	S9CLIM1A	S10CLIM1A	S11CLIM1A	S12CLIM1A
.D=DK/NA	7	5	9	13	11
.R=RF	2	1	3	1	3
.S=Skip	1	1	78	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	181	160	99	112	84
0.No	9788	8922	11376	10450	9187
1.Yes	1756	1557	1948	1908	1743

Value	R2STOOPA	R3STOOPA	R4STOOPA	R5STOOPA	R6STOOPA	R7STOOPA
.D=DK/NA	4	7	5	5	11	16
.Q=Not asked this wv	8222					
.R=RF	1	4	6	4		5
.S=Skip		35	26	23	7	10
.X=Don't do	4	280	361	354	300	393
0.No	7429	10503	12436	11054	9602	10836
1.Yes	3982	7162	8550	8139	8245	8869

Value	R8STOOPA	R9STOOPA	R10STOOPA	R11STOOPA	R12STOOPA
.D=DK/NA	11	8	26	30	37
.R=RF	3	1	10	4	3
.S=Skip	7	8	131	18	16
.X=Don't do	250	257	155	190	138
0.No	9439	8713	11629	10944	9685
1.Yes	8759	8230	10083	9368	8869

Value	S2STOOPA	S3STOOPA	S4STOOPA	S5STOOPA	S6STOOPA	S7STOOPA
.D=DK/NA	3	2	3	1	3	4
.Q=Not asked this wv	4549					
.R=RF	1	3	1	2		3
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
.X=Don't do	3	125	183	156	117	176
0.No	5858	7439	8693	7669	6646	7561
1.Yes	2874	4336	5091	4897	4870	5227

Value	S8STOOPA	S9STOOPA	S10STOOPA	S11STOOPA	S12STOOPA
.D=DK/NA	3	3	9	17	20
.R=RF	2	1	4	2	1
.S=Skip	1	1	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	100	97	61	62	46
0.No	6521	5861	7689	7189	6212
1.Yes	5108	4683	5671	5214	4749

Value	R2LIFTA	R3LIFTA	R4LIFTA	R5LIFTA	R6LIFTA	R7LIFTA
.D=DK/NA	10	3	6	7	7	12
.M=Oth missing	1					
.R=RF	2	4	7	5		4
.S=Skip		35	27	23	7	10
.X=Don't do	253	952	984	911	787	787
0.No	14504	13089	15686	14321	13257	14844
1.Yes	4872	3908	4674	4312	4107	4472

Value	R8LIFTA	R9LIFTA	R10LIFTA	R11LIFTA	R12LIFTA
.D=DK/NA	7	7	17	17	18
.R=RF	2	1	9	4	3
.S=Skip	7	9	131	18	16
.X=Don't do	566	541	355	349	249
0.No	13476	12449	15811	14819	13288
1.Yes	4411	4210	5711	5347	5174

Value	S2LIFTA	S3LIFTA	S4LIFTA	S5LIFTA	S6LIFTA	S7LIFTA
.D=DK/NA	7		2	1	2	2
.M=Oth missing	1					
.R=RF	2	3	1	3		2
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	86	413	426	349	295	304
0.No	10406	9406	11123	10167	9352	10431
1.Yes	2586	2083	2419	2205	1987	2232

Value	S8LIFTA	S9LIFTA	S10LIFTA	S11LIFTA	S12LIFTA
.D=DK/NA	1	1	8	8	7
.R=RF	1	1	4	2	3
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	204	187	114	109	74
0.No	9388	8501	10572	9868	8646
1.Yes	2140	1954	2736	2497	2298

Value	R2DIMEA	R3DIMEA	R4DIMEA	R5DIMEA	R6DIMEA	R7DIMEA
.D=DK/NA	11	5	13	17	18	28
.M=Oth missing	1					
.R=RF	2	3	6	4		4
.S=Skip		35	28	23	7	10
.X=Don't do	21	39	55	53	41	47
0.No	18373	16590	19782	18045	16764	18610
1.Yes	1234	1319	1500	1437	1335	1430

Value	R8DIMEA	R9DIMEA	R10DIMEA	R11DIMEA	R12DIMEA
.D=DK/NA	21	20	31	17	20
.R=RF	2	1	8	1	1
.S=Skip	7	9	131	18	16
.X=Don't do	26	29	25	22	12
0.No	16952	15751	20187	18888	17085
1.Yes	1461	1407	1652	1608	1614

Value	S2DIMEA	S3DIMEA	S4DIMEA	S5DIMEA	S6DIMEA	S7DIMEA
.D=DK/NA	5	1	5	4	6	8
.M=Oth missing	1					
.R=RF	2	2	1	2		2
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	6	23	26	24	16	21
0.No	12418	11170	13178	11950	10965	12240
1.Yes	656	709	761	745	649	700

Value	S8DIMEA	S9DIMEA	S10DIMEA	S11DIMEA	S12DIMEA
.D=DK/NA	5	3	13	4	10
.R=RF	1	1	3		1
.S=Skip	1	2	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	7	9	11	11	1
0.No	10985	9977	12611	11716	10265
1.Yes	736	654	796	753	751

Value	R2ARMSA	R3ARMSA	R4ARMSA	R5ARMSA	R6ARMSA	R7ARMSA
.D=DK/NA	8	4	8	13	13	14
.Q=Not asked this wv	8222					
.R=RF	1	3	6	5		5
.S=Skip		35	27	23	7	10
.X=Don't do		101	109	86	82	86
0.No	9972	14909	17856	16341	15024	16761
1.Yes	1439	2939	3378	3111	3039	3253

Value	R8ARMSA	R9ARMSA	R10ARMSA	R11ARMSA	R12ARMSA
.D=DK/NA	10	9	17	12	21
.R=RF	3	1	10	1	4
.S=Skip	7	8	131	18	16
.X=Don't do	74	55	43	43	31
0.No	15218	14211	17822	16778	15042
1.Yes	3157	2933	4011	3702	3634

Value	S2ARMSA	S3ARMSA	S4ARMSA	S5ARMSA	S6ARMSA	S7ARMSA
.D=DK/NA	3	2	4	6	3	4
.Q=Not asked this wv	4549					
.R=RF	1	2	1	3		3
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	418	537	311	220	380
.X=Don't do		50	45	36	35	36
0.No	7769	10177	12051	10971	9950	11132
1.Yes	966	1674	1870	1709	1648	1796

Value	S8ARMSA	S9ARMSA	S10ARMSA	S11ARMSA	S12ARMSA
.D=DK/NA	4	3	9	8	10
.R=RF	1	1	4		1
.S=Skip	1	1	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	26	27	15	19	10
0.No	10010	9146	11378	10617	9249
1.Yes	1693	1468	2028	1840	1758

Value	R2PUSHA	R3PUSHA	R4PUSHA	R5PUSHA	R6PUSHA	R7PUSHA
.D=DK/NA	9	4	6	10	8	15
.M=Oth missing	1	1				
.R=RF	3	4	6	5		6
.S=Skip		35	27	23	7	10
.X=Don't do	451	1556	1677	1523	1332	1227
0.No	14115	12225	14799	13547	12373	14065
1.Yes	5063	4166	4869	4471	4445	4806

Value	R8PUSHA	R9PUSHA	R10PUSHA	R11PUSHA	R12PUSHA
.D=DK/NA	15	10	16	17	19
.R=RF	2	1	9	4	4
.S=Skip	7	8	131	18	16
.X=Don't do	892	877	517	526	318
0.No	12620	11889	15174	14181	12813
1.Yes	4933	4432	6187	5808	5578

Value	S2PUSHA	S3PUSHA	S4PUSHA	S5PUSHA	S6PUSHA	S7PUSHA
.D=DK/NA	6		3	2	6	6
.M=Oth missing	1					
.R=RF	2	3	1	3		4
.S=Skip		10	7	5	3	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
.X=Don't do	171	765	818	675	580	531
0.No	10098	8757	10456	9578	8764	9887
1.Yes	2810	2380	2693	2467	2286	2543

Value	S8PUSHA	S9PUSHA	S10PUSHA	S11PUSHA	S12PUSHA
.D=DK/NA	6	5	5	10	12
.R=RF	1	1	4	1	2
.S=Skip	1	1	79	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=Don't do	365	316	191	186	103
0.No	8805	8123	10129	9393	8268
1.Yes	2557	2200	3105	2894	2643

How Constructed

These variables recode raw data about difficulty with activities other than activities of daily living (ADLs) and instrumental activities of daily living (IADLs) as yes/no dummy variables, where "1" means some difficulty and "0" means not. These other activities include: walking several blocks (RwWALKSA), jogging one mile (RwJOG), walking one block (RwWALK1A), sitting for about 2 hours (RwSITA), getting up from a chair after sitting for long periods (RwCHAIRA), climbing several flights of stairs without resting (RwCLIMSA), climbing one flight of stairs without resting (RwCLIM1A), lifting or carrying weights over 10 lbs. (RwLIFTA), stooping kneeling, or crouching (RwSTOOPA), reaching arms above shoulder level (RwARMSA), pushing or pulling large objects (RwPUSHA), and picking up a dime from the table (RwDIMEA). In the following, references to Rw[func]A apply to all these variables. Note that questions used to derive RwJOGA, RwWALK1A, RwCLIMSA, RwSITA, RwCHAIRA, RwSTOOPA, and RwARMSA are not asked in Wave 2A. These variables are set to .Q in Wave 2 for AHEAD Respondents.

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In particular, there are far fewer "don’t do" responses for many activities in Wave 2H than in other waves. In addition, the

criteria used for skipping some questions was different in Wave 2A, which may influence the consistency of measurement for R2WALKSA, R2CLIM1A, and R2PUSHA.

The variable derivations for some difficulty (Rw[func]A) vary across waves because the question and responses can vary across waves. In Wave 2, if a Respondent answers "yes" to the first question ("Do you have any difficulty with ...") Rw[func]A is set to "1" for "some difficulty," regardless of how much difficulty the Respondent says he/she has in the follow-up question. From Wave 3 forward, if a Respondent answers "yes" or "can't do" to the any difficulty question, Rw[func]A is set to "1" for "some difficulty."

In all waves, if the Respondent answers "no" to the any difficulty question, Rw[func]A is set to zero. A "don't do" response is recoded to missing value .X, since the Respondent hasn't revealed whether he/she would have difficulty with the activity if he/she ever did it. If the response is "don't know" or "refuse," Rw[func]A is set to special missing codes .D or .R, respectively.

In Wave 2A, if the response to the difficulty question is "don't do," a follow-up question asks if this is because of health. If it is because of health, then R2[func]A is set to "1" for difficulty. Otherwise it is set to .X for "don't do."

In some waves, questions about activities are skipped based on answers to previous questions. In Wave 2H, if a Respondent said "no difficulty jogging a mile," then the questions about walking several blocks and walking one block are skipped. In these cases, R2WALKSA and R2WALK1A are set to "0" for "no difficulty." In Wave 2H and from Wave 3 forward, if "no difficulty" is reported for walking several blocks, the question about walking one block is skipped, and RwWALK1A is set to "0" for "no difficulty." Similarly if "no difficulty" is reported for climbing several flights of stairs, RwCLIM1A is set to "0" for "no difficulty climbing one flight of stairs." In Wave 2A, if the Respondent reported needing help to get across a room, the questions about walking several blocks, climbing a flight of stairs, and pushing large objects are skipped. In these cases, difficulty with these tasks is assumed, so R2WALKSA, R2CLIM1A, and R2PUSHA are set to "1."

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of these variables are used to construct functional limitation indices. Please see "Other Summary Indices."

Another version of these variables simply recodes the raw HRS variables. Please see the description of the Rw[func] variables under "Other functional limitations: Raw recodes" for this version.

A third version of these variables are derived for Wave 1 only (R1[func]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "Other functional limitations: Recodes for comparison to Wallace and Herzog" for a description of the R1[func]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes described here for other waves (Rw[func]A) solely due to measurement differences in the raw data. The R1[func]W variables are not appropriate for comparison to the Rw[func]A variables in other waves.

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 lbs. like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says s/he has "no difficulty" with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks, then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

In Wave 2H the questions and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...?" [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments so may be observed less frequently than in other waves, simply because of questionnaire differences. The number of "Don't do" responses is much larger in other waves for most activities. For example, only 16 and 91 say "don't do" for sitting for 2 hours and climbing several flights of stairs in Wave 2H, but 87 and 736 have this response in Wave 3H, respectively. The specific wording for these activities and the question skips for walking and climbing stairs are the same as in Wave 1.

In Wave 2A, the questions are different from other waves and the list of activities is shorter. Also the ADL questions are asked first as a group. The questions about functional difficulties besides ADLs and IADLs ask:

"Do you have any difficulty ...?" Answers may be "yes," "no," "can't do" and "don't do." [If YES]: "Is that a little, or a lot of difficulty?" [If DON'T DO to the first question]: "Is that because of a health problem?"

The specific wording for these activities is: walking several blocks; climbing one flight of stairs without resting; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 lbs. like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports needing help getting across a room earlier in the interview, then the questions about walking several blocks, climbing stairs, and pushing large objects are skipped.

From Wave 3 forward, the questions about ADLs and IADLs are asked after those about the other activities described here. The questions ask:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you have any difficulty doing each of the everyday activities that I read to you. Exclude any difficulties that you expect to last less than three months. Because of a health problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply "yes," "no," "can't do," or "don't do." The exact wording for these activities is: walking several blocks; running or jogging about a mile; across a room; walking one block; sitting for about 2 hours; getting up from a chair after sitting for long periods; climbing several flights of stairs without resting; climbing one flight of stairs without resting; stooping, kneeling, or crouching; reaching or extending your arms above shoulder level; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 lbs. like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports no difficulty to walking several blocks, then the question about running a mile is asked, and the question about walking one block is skipped. The question about climbing one flight of stairs is skipped if no difficulty is reported for climbing several flights of stairs.

Beginning in Wave 7, the interviewer may also say the following if the Respondent is in a nursing home or confined to bed or a wheelchair, before asking about these activities:

"I am required to ask about all of these activities. I realize that you may not be able to do some of them, but I would appreciate it if you would just confirm that with me as we go through the list."

HRS Variables Used

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AHEAD 1993:
    B768            E33. ADL WALK HELP EVER
    B852            E47. WALK SEV BLOCKS ANY DIFFICULTY
    B865            E48. STAIR CLIMB ANY DIFFICULTY
    B872            E49. HEAVY OBJ ANY DIFFICULTY
    B879            E50. LIFT 10 LBS ANY DIFFICULTY
    B882            E51. PICK UP DIME ANY DIFFICULTY
HRS 1994:
    W306            B4.RUNNING/JOGGING 1 MIL
    W307            B4a.WALKING SEVERAL BLOC
    W308            B4b.WALKING ONE BLOCK
    W311            B4e.GETTING UP AFTER SIT
    W313            B4g.CLIMBING SEVERAL FLI
    W314            B4h.CLIMBING ONE FLIGHT
    W315            B4j.LIFTING OR CARRYING
    W316            B4k.STOOPING/KNEELING/CR
    W317            B4m.PICKING UP A DIME
    W319            B4p.EXTENDING ARMS ABOVE
    W320            B4q.PULLING/PUSHING LARG
AHEAD 1995:
    D1834           E60.DIFF-SEV BLKS
    D1837           E61.DIFF-JOG
    D1840           E62.DIFF-1 BLK
    D1843           E63.DIFF-SIT
    D1846           E64.DIFF-CHAIR
    D1849           E65.DIFF-STAIRS
    D1852           E66.DIFF-1 STAIR
    D1855           E67.DIFF-STOOP
    D1858           E68.DIFF-REACH
    D1861           E69.DIFF-PULL PUSH
    D1864           E70.E70.DIFF-WEIGHTS
    D1867           E71.PICK DIME
HRS 1996:
    E1858           E60.DIFF-SEV BLKS
    E1861           E61.DIFF-JOG
    E1864           E62.DIFF-1 BLK
    E1867           E63.DIFF-SIT
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    E1870           E64.DIFF-CHAIR
    E1873           E65.DIFF-STAIRS
    E1876           E66.DIFF-1 STAIR
    E1879           E67.DIFF-STOOP
    E1882           E68.DIFF-REACH
    E1885           E69.DIFF-PULL PUSH
    E1888           E70.DIFF-WEIGHTS
    E1891           E71.PICK DIME
HRS 1998:
    F2391           E60.DIFF-SEV BLKS
    F2392           E61.DIFF-JOG
    F2394           E62.DIFF-1 BLK
    F2397           E63.DIFF-SIT
    F2400           E64.DIFF-CHAIR
    F2403           E65.DIFF-STAIRS
    F2406           E66.DIFF-1 STAIR
    F2409           E67.DIFF-STOOP
    F2412           E68.DIFF-REACH
    F2415           E69.DIFF-PULL PUSH
    F2418           E70.DIFF-WEIGHTS
    F2421           E71.PICK DIME
HRS 2000:
    G2689           E60.DIFF-SEV BLKS
    G2690           E61.DIFF-JOG
    G2692           E62.DIFF-1 BLK
    G2695           E63.DIFF-SIT
    G2698           E64.DIFF-CHAIR
    G2701           E65.DIFF-STAIRS
    G2704           E66.DIFF-1 STAIR
    G2707           E67.DIFF-STOOP
    G2710           E68.DIFF-REACH
    G2713           E69.DIFF-PULL PUSH
    G2716           E70.DIFF-WEIGHTS
    G2719           E71.PICK DIME
HRS 2002:
    HG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    HG002           DIFFICULTY- JOGGING 1 MILE
    HG003           DIFFICULTY- WALKING 1 BLOCK
    HG004           DIFFICULTY- SITTING 2 HOURS
    HG005           DIFFICULTY- GETTING UP FROM CHAIR
    HG006           DIFFICULTY- CLIMBING STAIRS
    HG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    HG008           DIFFICULTY- STOOPING
    HG009           DIFFICULTY- REACHING ARMS
    HG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    HG011           DIFFICULTY- LIFTING WEIGHTS
    HG012           DIFFICULTY- PICKING UP DIME
HRS 2004:
    JG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    JG002           DIFFICULTY- JOGGING 1 MILE
    JG003           DIFFICULTY- WALKING 1 BLOCK
    JG004           DIFFICULTY- SITTING 2 HOURS
    JG005           DIFFICULTY- GETTING UP FROM CHAIR
    JG006           DIFFICULTY- CLIMBING STAIRS
    JG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    JG008           DIFFICULTY- STOOPING
    JG009           DIFFICULTY- REACHING ARMS
    JG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    JG011           DIFFICULTY- LIFTING WEIGHTS
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    JG012           DIFFICULTY- PICKING UP DIME
HRS 2006:
    KG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    KG002           DIFFICULTY- JOGGING 1 MILE
    KG003           DIFFICULTY- WALKING 1 BLOCK
    KG004           DIFFICULTY- SITTING 2 HOURS
    KG005           DIFFICULTY- GETTING UP FROM CHAIR
    KG006           DIFFICULTY- CLIMBING STAIRS
    KG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    KG008           DIFFICULTY- STOOPING
    KG009           DIFFICULTY- REACHING ARMS
    KG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    KG011           DIFFICULTY- LIFTING WEIGHTS
    KG012           DIFFICULTY- PICKING UP DIME
HRS 2008:
    LG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    LG002           DIFFICULTY- JOGGING 1 MILE
    LG003           DIFFICULTY- WALKING 1 BLOCK
    LG004           DIFFICULTY- SITTING 2 HOURS
    LG005           DIFFICULTY- GETTING UP FROM CHAIR
    LG006           DIFFICULTY- CLIMBING STAIRS
    LG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    LG008           DIFFICULTY- STOOPING
    LG009           DIFFICULTY- REACHING ARMS
    LG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    LG011           DIFFICULTY- LIFTING WEIGHTS
    LG012           DIFFICULTY- PICKING UP DIME
HRS 2010:
    MG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    MG002           DIFFICULTY- JOGGING 1 MILE
    MG003           DIFFICULTY- WALKING 1 BLOCK
    MG004           DIFFICULTY- SITTING 2 HOURS
    MG005           DIFFICULTY- GETTING UP FROM CHAIR
    MG006           DIFFICULTY- CLIMBING STAIRS
    MG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    MG008           DIFFICULTY- STOOPING
    MG009           DIFFICULTY- REACHING ARMS
    MG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    MG011           DIFFICULTY- LIFTING WEIGHTS
    MG012           DIFFICULTY- PICKING UP DIME
HRS 2012:
    NG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    NG002           DIFFICULTY- JOGGING 1 MILE
    NG003           DIFFICULTY- WALKING 1 BLOCK
    NG004           DIFFICULTY- SITTING 2 HOURS
    NG005           DIFFICULTY- GETTING UP FROM CHAIR
    NG006           DIFFICULTY- CLIMBING STAIRS
    NG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    NG008           DIFFICULTY- STOOPING
    NG009           DIFFICULTY- REACHING ARMS
    NG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    NG011           DIFFICULTY- LIFTING WEIGHTS
    NG012           DIFFICULTY- PICKING UP DIME
HRS 2014:
    OG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    OG002           DIFFICULTY- JOGGING 1 MILE
    OG003           DIFFICULTY- WALKING 1 BLOCK
    OG004           DIFFICULTY- SITTING 2 HOURS
    OG005           DIFFICULTY- GETTING UP FROM CHAIR
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OG006          DIFFICULTY- CLIMBING STAIRS
OG007          DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
OG008          DIFFICULTY- STOOPING
OG009          DIFFICULTY- REACHING ARMS
OG010          DIFFICULTY- PULL/PUSH LARGE OBJECTS
OG011          DIFFICULTY- LIFTING WEIGHTS
OG012          DIFFICULTY- PICKING UP DIME
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Other Functional Limitations: Recodes for comparison to Wallace and Herzog

Wave	Variable	Label	Type
1	R1WALKSW	R1WALKSW:W1 R Any Diff-Walk sev blocks	Categ
1	S1WALKSW	S1WALKSW:W1 S Any Diff-Walk sev blocks	Categ
1	R1JOGW	R1JOGW:W1 R Any Diff-Jog one mile	Categ
1	S1JOGW	S1JOGW:W1 S Any Diff-Jog one mile	Categ
1	R1WALK1W	R1WALK1W:W1 R Any Diff-Walk one block	Categ
1	S1WALK1W	S1WALK1W:W1 S Any Diff-Walk one block	Categ
1	R1SITW	R1SITW:W1 R Any Diff-Sit for 2 hours	Categ
1	S1SITW	S1SITW:W1 S Any Diff-Sit for 2 hours	Categ
1	R1CHAIRW	R1CHAIRW:W1 R Any Diff-Get up fr chair	Categ
1	S1CHAIRW	S1CHAIRW:W1 S Any Diff-Get up fr chair	Categ
1	R1CLIMSW	R1CLIMSW:W1 R Any Diff-Climb sev flt str	Categ
1	S1CLIMSW	S1CLIMSW:W1 S Any Diff-Climb sev flt str	Categ
1	R1CLIM1W	R1CLIM1W:W1 R Any Diff-Climb 1 flt stair	Categ
1	S1CLIM1W	S1CLIM1W:W1 S Any Diff-Climb 1 flt stair	Categ
1	R1STOOPW	R1STOOPW:W1 R Any Diff-Stoop/Kneel/Crouch	Categ
1	S1STOOPW	S1STOOPW:W1 S Any Diff-Stoop/Kneel/Crouch	Categ
1	R1LIFTW	R1LIFTW:W1 R Any Diff-Lift/carry 10lbs	Categ
1	S1LIFTW	S1LIFTW:W1 S Any Diff-Lift/carry 10lbs	Categ
1	R1DIMEW	R1DIMEW:W1 R Any Diff-Pick up a dime	Categ
1	S1DIMEW	S1DIMEW:W1 S Any Diff-Pick up a dime	Categ
1	R1ARMSW	R1ARMSW:W1 R Any Diff-Reach/xtnd arms up	Categ
1	S1ARMSW	S1ARMSW:W1 S Any Diff-Reach/xtnd arms up	Categ
1	R1PUSHW	R1PUSHW:W1 R Any Diff-Push/pull lg obj	Categ
1	S1PUSHW	S1PUSHW:W1 S Any Diff-Push/pull lg obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKSW	12471	0.24	0.43	0.0	1.0
S1WALKSW	9785	0.23	0.42	0.0	1.0
R1JOGW	10441	0.82	0.38	0.0	1.0
S1JOGW	8260	0.82	0.39	0.0	1.0

R1WALK1W	12586	0.10	0.31	0.0	1.0
S1WALK1W	9860	0.09	0.29	0.0	1.0
R1SITW	12586	0.29	0.45	0.0	1.0
S1SITW	9852	0.28	0.45	0.0	1.0
R1CHAIRW	12626	0.35	0.48	0.0	1.0
S1CHAIRW	9883	0.34	0.48	0.0	1.0
R1CLIMSW	12352	0.48	0.50	0.0	1.0
S1CLIMSW	9702	0.47	0.50	0.0	1.0
R1CLIM1W	12565	0.18	0.38	0.0	1.0
S1CLIM1W	9848	0.16	0.37	0.0	1.0
R1STOOPW	12579	0.42	0.49	0.0	1.0
S1STOOPW	9857	0.41	0.49	0.0	1.0
R1LIFTW	12523	0.25	0.43	0.0	1.0
S1LIFTW	9817	0.22	0.42	0.0	1.0
R1DIMEW	12643	0.06	0.24	0.0	1.0
S1DIMEW	9894	0.06	0.23	0.0	1.0
R1ARMSW	12636	0.12	0.32	0.0	1.0
S1ARMSW	9890	0.11	0.31	0.0	1.0
R1PUSHW	12489	0.26	0.44	0.0	1.0
S1PUSHW	9794	0.24	0.43	0.0	1.0

Categorical Variable Codes

Value	R1WALKSW
.X=Don't do	181
0.No	9441
1.Yes	3030

Value	S1WALKSW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	115
0.No	7551
1.Yes	2234

Value	R1JOGW
.X=Don't do	2211
0.No	1854
1.Yes	8587

Value	S1JOGW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	1640
0.No	1495
1.Yes	6765

Value	R1WALK1W
.X=Don't do	66
0.No	11271
1.Yes	1315

Value	S1WALK1W
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	40
0.No	8949
1.Yes	911

Value	R1SITW
.X=Don't do	66
0.No	8943
1.Yes	3643

Value	S1SITW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	48
0.No	7049
1.Yes	2803

Value	R1CHAIRW
.X=Don't do	26
0.No	8152
1.Yes	4474

Value	S1CHAIRW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	17
0.No	6476
1.Yes	3407

Value	R1CLIMSW
.X=Don't do	300
0.No	6369
1.Yes	5983

Value	S1CLIMSW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	198
0.No	5188
1.Yes	4514

Value	R1CLIM1W
.X=Don't do	87
0.No	10323
1.Yes	2242

Value	S1CLIM1W
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	52
0.No	8259
1.Yes	1589

Value	R1STOOPW
.X=Don't do	73
0.No	7258
1.Yes	5321

Value	S1STOOPW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	43
0.No	5832
1.Yes	4025

Value	R1LIFTW
.X=Don't do	129
0.No	9451
1.Yes	3072

Value	S1LIFTW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	83
0.No	7633
1.Yes	2184

Value	R1DIMEW
.X=Don't do	9
0.No	11836
1.Yes	807

Value	S1DIMEW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	6
0.No	9330
1.Yes	564

Value	R1ARMSW
.X=Don't do	16
0.No	11126
1.Yes	1510

Value	S1ARMSW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	10
0.No	8838
1.Yes	1052

Value	R1PUSHW
.X=Don't do	163
0.No	9303
1.Yes	3186

Value	S1PUSHW
.U=Unmarried	2373
.V=Spouse NR	379
.X=Don't do	106
0.No	7471
1.Yes	2323

How Constructed

These functional limitation variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the functional limitation variables to "1" for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult" or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

If a Respondent reports "no difficulty" jogging a mile, then the questions about walking several blocks and walking one block are skipped. In these cases R1WALKSW and R1WALK1W are set to "0" for "no difficulty." Similarly if the Respondent reports "no difficulty" walking several blocks or climbing several flights of stairs, then the questions about walking one block or climbing one flight of stairs, respectively, are skipped. In these cases R1WALK1W and R1CLIM1W are set to "0" for "no difficulty" as appropriate.

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of these under "Other Functional Limitations: Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these under "Other Functional Limitations: Some difficulty."

Some of the Wallace and Herzog indices are also derived and include some of these measures in creating functional limitation indices. Please see "Other Summary Indices."

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 lbs. like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says s/he has no difficulty with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks, then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

Note that these variables are only derived for Wave 1. In subsequent waves, the question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

```
HRS 1992:
    V304            B4A:RUN OR JOG 1 MIL:IMP
    V305            B4B:WALK SEVERAL BLO:IMP
    V306            B4C:WALK 1 BLOCK    :IMP
    V308            B4E:SIT FOR 2 HOURS :IMP
    V309            B4F:GET UP AFTR SIT :IMP
    V311            B4H:CLMB SVRL FLTS S:IMP
    V312            B4J:1 FLT STAIRS-NO :IMP
    V313            B4K:LIFT/CARRY 10 LB:IMP
    V314            B4M:STOOP/KNEEL/CROU:IMP
    V315            B4N:PCK UP DIME FRM :IMP
    V317            B4Q:ARMS OVER SHOULD:IMP
    V318            B4R:PULL/PUSH LRG OB:IMP
```

ADL Summary: sum ADLs where Respondent reports any difficulty

Wave	Variable	Label	Type
2	R2ADLA	R2ADLA:W2 Some Diff-ADLs /0-5	Cont
3	R3ADLA	R3ADLA:W3 Some Diff-ADLs /0-5	Cont
4	R4ADLA	R4ADLA:W4 Some Diff-ADLs /0-5	Cont
5	R5ADLA	R5ADLA:W5 Some Diff-ADLs /0-5	Cont
6	R6ADLA	R6ADLA:W6 Some Diff-ADLs /0-5	Cont
7	R7ADLA	R7ADLA:W7 Some Diff-ADLs /0-5	Cont
8	R8ADLA	R8ADLA:W8 Some Diff-ADLs /0-5	Cont
9	R9ADLA	R9ADLA:W9 Some Diff-ADLs /0-5	Cont
10	R10ADLA	R10ADLA:W10 Some Diff-ADLs /0-5	Cont
11	R11ADLA	R11ADLA:W11 Some Diff-ADLs /0-5	Cont
12	R12ADLA	R12ADLA:W12 Some Diff-ADLs /0-5	Cont
2	S2ADLA	S2ADLA:W2 Some Diff-ADLs /0-5	Cont
3	S3ADLA	S3ADLA:W3 Some Diff-ADLs /0-5	Cont
4	S4ADLA	S4ADLA:W4 Some Diff-ADLs /0-5	Cont
5	S5ADLA	S5ADLA:W5 Some Diff-ADLs /0-5	Cont
6	S6ADLA	S6ADLA:W6 Some Diff-ADLs /0-5	Cont
7	S7ADLA	S7ADLA:W7 Some Diff-ADLs /0-5	Cont
8	S8ADLA	S8ADLA:W8 Some Diff-ADLs /0-5	Cont
9	S9ADLA	S9ADLA:W9 Some Diff-ADLs /0-5	Cont
10	S10ADLA	S10ADLA:W10 Some Diff-ADLs /0-5	Cont
11	S11ADLA	S11ADLA:W11 Some Diff-ADLs /0-5	Cont
12	S12ADLA	S12ADLA:W12 Some Diff-ADLs /0-5	Cont
2	R2ADLWA	R2ADLWA:W2 Some Diff-ADLs:Wallace /0-3	Cont
3	R3ADLWA	R3ADLWA:W3 Some Diff-ADLs:Wallace /0-3	Cont
4	R4ADLWA	R4ADLWA:W4 Some Diff-ADLs:Wallace /0-3	Cont
5	R5ADLWA	R5ADLWA:W5 Some Diff-ADLs:Wallace /0-3	Cont
6	R6ADLWA	R6ADLWA:W6 Some Diff-ADLs:Wallace /0-3	Cont
7	R7ADLWA	R7ADLWA:W7 Some Diff-ADLs:Wallace /0-3	Cont
8	R8ADLWA	R8ADLWA:W8 Some Diff-ADLs:Wallace /0-3	Cont
9	R9ADLWA	R9ADLWA:W9 Some Diff-ADLs:Wallace /0-3	Cont
10	R10ADLWA	R10ADLWA:W10 Some Diff-ADLs:Wallace /0-3	Cont
11	R11ADLWA	R11ADLWA:W11 Some Diff-ADLs:Wallace /0-3	Cont
12	R12ADLWA	R12ADLWA:W12 Some Diff-ADLs:Wallace /0-3	Cont
2	S2ADLWA	S2ADLWA:W2 Some Diff-ADLs:Wallace /0-3	Cont
3	S3ADLWA	S3ADLWA:W3 Some Diff-ADLs:Wallace /0-3	Cont
4	S4ADLWA	S4ADLWA:W4 Some Diff-ADLs:Wallace /0-3	Cont
5	S5ADLWA	S5ADLWA:W5 Some Diff-ADLs:Wallace /0-3	Cont
6	S6ADLWA	S6ADLWA:W6 Some Diff-ADLs:Wallace /0-3	Cont
7	S7ADLWA	S7ADLWA:W7 Some Diff-ADLs:Wallace /0-3	Cont
8	S8ADLWA	S8ADLWA:W8 Some Diff-ADLs:Wallace /0-3	Cont
9	S9ADLWA	S9ADLWA:W9 Some Diff-ADLs:Wallace /0-3	Cont
10	S10ADLWA	S10ADLWA:W10 Some Diff-ADLs:Wallace /0-3	Cont
11	S11ADLWA	S11ADLWA:W11 Some Diff-ADLs:Wallace /0-3	Cont
12	S12ADLWA	S12ADLWA:W12 Some Diff-ADLs:Wallace /0-3	Cont
1	R1ADLW	R1ADLW:W1 Any Diff-ADLs /0-5	Cont
1	S1ADLW	S1ADLW:W1 Any Diff-ADLs /0-5	Cont
1	R1ADLWW	R1ADLWW:W1 Any Diff-ADLs:Wallace /0-3	Cont
1	S1ADLWW	S1ADLWW:W1 Any Diff-ADLs:Wallace /0-3	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2ADLA	19641	0.23	0.74	0.0	5.0

R3ADLA	17952	0.37	0.98	0.0	5.0
R4ADLA	21356	0.37	0.99	0.0	5.0
R5ADLA	19555	0.38	1.00	0.0	5.0
R6ADLA	18158	0.39	1.01	0.0	5.0
R7ADLA	20119	0.36	0.98	0.0	5.0
R8ADLA	18460	0.39	1.01	0.0	5.0
R9ADLA	17208	0.40	1.03	0.0	5.0
R10ADLA	21902	0.41	1.04	0.0	5.0
R11ADLA	20535	0.41	1.04	0.0	5.0
R12ADLA	18732	0.43	1.07	0.0	5.0
S2ADLA	13087	0.16	0.61	0.0	5.0
S3ADLA	11902	0.25	0.80	0.0	5.0
S4ADLA	13971	0.26	0.81	0.0	5.0
S5ADLA	12725	0.26	0.81	0.0	5.0
S6ADLA	11636	0.26	0.82	0.0	5.0
S7ADLA	12971	0.24	0.79	0.0	5.0
S8ADLA	11734	0.27	0.84	0.0	5.0
S9ADLA	10644	0.26	0.80	0.0	5.0
S10ADLA	13434	0.28	0.85	0.0	5.0
S11ADLA	12484	0.28	0.87	0.0	5.0
S12ADLA	11028	0.30	0.88	0.0	5.0
R2ADLWA	19640	0.12	0.44	0.0	3.0
R3ADLWA	17950	0.22	0.62	0.0	3.0
R4ADLWA	21356	0.22	0.63	0.0	3.0
R5ADLWA	19555	0.23	0.63	0.0	3.0
R6ADLWA	18157	0.23	0.64	0.0	3.0
R7ADLWA	20118	0.22	0.62	0.0	3.0
R8ADLWA	18460	0.24	0.64	0.0	3.0
R9ADLWA	17208	0.24	0.65	0.0	3.0
R10ADLWA	21902	0.25	0.66	0.0	3.0
R11ADLWA	20535	0.24	0.66	0.0	3.0
R12ADLWA	18732	0.26	0.68	0.0	3.0
S2ADLWA	13086	0.08	0.35	0.0	3.0
S3ADLWA	11902	0.15	0.51	0.0	3.0
S4ADLWA	13971	0.16	0.52	0.0	3.0
S5ADLWA	12725	0.16	0.52	0.0	3.0
S6ADLWA	11636	0.15	0.52	0.0	3.0
S7ADLWA	12971	0.15	0.51	0.0	3.0
S8ADLWA	11734	0.16	0.53	0.0	3.0
S9ADLWA	10644	0.16	0.52	0.0	3.0
S10ADLWA	13434	0.17	0.54	0.0	3.0
S11ADLWA	12484	0.17	0.54	0.0	3.0
S12ADLWA	11028	0.18	0.56	0.0	3.0
R1ADLW	12650	0.20	0.70	0.0	5.0
S1ADLW	9898	0.17	0.63	0.0	5.0
R1ADLWW	12648	0.08	0.38	0.0	3.0
S1ADLWW	9897	0.07	0.35	0.0	3.0

How Constructed

Two Activities of Daily Living (ADL) summaries were derived beginning in Wave 2. One uses the ADLs proposed by Wallace and Herzog in their paper (Wallace and Herzog, 1995) to define an ADL summary (RwADLWA): bathe, dress, and eat. The second includes these and adds getting in/out of bed and walking across a room (RwADLA). In all waves the "some difficulty" versions of the individual measures are used to construct these measures, i.e., RwWALKRA, RwBEDA, RwBATHA, RwDRESSA, and RwEATA. Each limitation adds one to the summary measure, that is:

RwADLWA = sum (RwBATHA, RwDRESSA, RwEATA)

RwADLA = sum (RwBATHA, RwDRESSA, RwEATA, RwBEDA, RwWALKRA)

Please see "Activities of Daily Living (ADLs): Some difficulty" for a description of how the individual 0/1 variables (Rw[adl]A) are constructed.

Note that neither of these summary measures includes RwTOILTA, which was not available for Wave 2H Respondents.

Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In addition, the criteria used for skipping some questions changed between Wave 3 and later waves, which may also influence the consistency of measurement before Wave 4 for all ADLs except dressing.

For Wave 1, an alternate version of each measure is derived. R1ADLWW is analogous to RwADLWA and R1ADLW is analogous to RwADLA. These measures use the variables recoded for comparison to Wallace and Herzog and are provided for comparison to the results found in that paper. Each limitation adds one to the summary measure, that is:

R1ADLWW = sum (R1BATHW, R1DRESSW, R1EATW)

R1ADLWA = sum (R1BATHW, R1DRESSW, R1EATW, R1BEDW, R1WALKRW)

Please see "Activities of Daily Living (ADLs): Recodes for Comparison to Wallace and Herzog" for a description of how these 0/1 variables (Rw[adl]W) are constructed. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes for other waves (Rw[adl]A) solely due to measurement differences in the raw data. The R1ADLWW and R1ADLWA variables are not appropriate for comparison to the RwADLA and RwADLWA variables in other waves.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

See also IADL Summary and Other Summary Indices.

Cross Wave Differences in Original HRS Data

Please see "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Some difficulty."

IADL Summary: sum IADLs where Respondent reports any difficulty

Wave	Variable	Label	Type
1	R1IADLWW	R1IADLWW:W1 Any Diff-IADLs:Wallace /0-3	Cont
1	S1IADLWW	S1IADLWW:W1 Any Diff-IADLs:Wallace /0-3	Cont
2	R2IADLA	R2IADLA:W2 Some Diff-IADLs: W2 Onwards /0-3	Cont
3	R3IADLA	R3IADLA:W3 Some Diff-IADLs: W2 Onwards /0-3	Cont
4	R4IADLA	R4IADLA:W4 Some Diff-IADLs: W2 Onwards /0-3	Cont
5	R5IADLA	R5IADLA:W5 Some Diff-IADLs: W2 Onwards /0-3	Cont
6	R6IADLA	R6IADLA:W6 Some Diff-IADLs: W2 Onwards /0-3	Cont
7	R7IADLA	R7IADLA:W7 Some Diff-IADLs: W2 Onwards /0-3	Cont
8	R8IADLA	R8IADLA:W8 Some Diff-IADLs: W2 Onwards /0-3	Cont
9	R9IADLA	R9IADLA:W9 Some Diff-IADLs: W2 Onwards /0-3	Cont
10	R10IADLA	R10IADLA:W10 Some Diff-IADLs: W2 Onwards /0-3	Cont
11	R11IADLA	R11IADLA:W11 Some Diff-IADLs: W2 Onwards /0-3	Cont
12	R12IADLA	R12IADLA:W12 Some Diff-IADLs: W2 Onwards /0-3	Cont
2	S2IADLA	S2IADLA:W2 Some Diff-IADLs: W2 Onwards /0-3	Cont
3	S3IADLA	S3IADLA:W3 Some Diff-IADLs: W2 Onwards /0-3	Cont
4	S4IADLA	S4IADLA:W4 Some Diff-IADLs: W2 Onwards /0-3	Cont
5	S5IADLA	S5IADLA:W5 Some Diff-IADLs: W2 Onwards /0-3	Cont
6	S6IADLA	S6IADLA:W6 Some Diff-IADLs: W2 Onwards /0-3	Cont
7	S7IADLA	S7IADLA:W7 Some Diff-IADLs: W2 Onwards /0-3	Cont
8	S8IADLA	S8IADLA:W8 Some Diff-IADLs: W2 Onwards /0-3	Cont
9	S9IADLA	S9IADLA:W9 Some Diff-IADLs: W2 Onwards /0-3	Cont
10	S10IADLA	S10IADLA:W10 Some Diff-IADLs: W2 Onwards /0-3	Cont
11	S11IADLA	S11IADLA:W11 Some Diff-IADLs: W2 Onwards /0-3	Cont
12	S12IADLA	S12IADLA:W12 Some Diff-IADLs: W2 Onwards /0-3	Cont
2	R2IADLZA	R2IADLZA:W2 Some Diff-IADLs: W2 Onwards /0-5	Cont
3	R3IADLZA	R3IADLZA:W3 Some Diff-IADLs: W2 Onwards /0-5	Cont
4	R4IADLZA	R4IADLZA:W4 Some Diff-IADLs: W2 Onwards /0-5	Cont
5	R5IADLZA	R5IADLZA:W5 Some Diff-IADLs: W2 Onwards /0-5	Cont
6	R6IADLZA	R6IADLZA:W6 Some Diff-IADLs: W2 Onwards /0-5	Cont
7	R7IADLZA	R7IADLZA:W7 Some Diff-IADLs: W2 Onwards /0-5	Cont
8	R8IADLZA	R8IADLZA:W8 Some Diff-IADLs: W2 Onwards /0-5	Cont
9	R9IADLZA	R9IADLZA:W9 Some Diff-IADLs: W2 Onwards /0-5	Cont
10	R10IADLZA	R10IADLZA:W10 Some Diff-IADLs: W2 Onwards /0-5	Cont
11	R11IADLZA	R11IADLZA:W11 Some Diff-IADLs: W2 Onwards /0-5	Cont
12	R12IADLZA	R12IADLZA:W12 Some Diff-IADLs: W2 Onwards /0-5	Cont
2	S2IADLZA	S2IADLZA:W2 Some Diff-IADLs: W2 Onwards /0-5	Cont
3	S3IADLZA	S3IADLZA:W3 Some Diff-IADLs: W2 Onwards /0-5	Cont
4	S4IADLZA	S4IADLZA:W4 Some Diff-IADLs: W2 Onwards /0-5	Cont
5	S5IADLZA	S5IADLZA:W5 Some Diff-IADLs: W2 Onwards /0-5	Cont
6	S6IADLZA	S6IADLZA:W6 Some Diff-IADLs: W2 Onwards /0-5	Cont
7	S7IADLZA	S7IADLZA:W7 Some Diff-IADLs: W2 Onwards /0-5	Cont
8	S8IADLZA	S8IADLZA:W8 Some Diff-IADLs: W2 Onwards /0-5	Cont
9	S9IADLZA	S9IADLZA:W9 Some Diff-IADLs: W2 Onwards /0-5	Cont
10	S10IADLZA	S10IADLZA:W10 Some Diff-IADLs: W2 Onwards /0-5	Cont
11	S11IADLZA	S11IADLZA:W11 Some Diff-IADLs: W2 Onwards /0-5	Cont
12	S12IADLZA	S12IADLZA:W12 Some Diff-IADLs: W2 Onwards /0-5	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IADLWW	12533	0.52	0.77	0.0	3.0
S1IADLWW	9834	0.50	0.75	0.0	3.0
R2IADLA	19638	0.14	0.49	0.0	3.0

R3IADLA	17948	0.16	0.54	0.0	3.0
R4IADLA	21347	0.16	0.55	0.0	3.0
R5IADLA	19550	0.16	0.56	0.0	3.0
R6IADLA	18156	0.18	0.58	0.0	3.0
R7IADLA	20115	0.16	0.55	0.0	3.0
R8IADLA	18457	0.18	0.58	0.0	3.0
R9IADLA	17204	0.18	0.59	0.0	3.0
R10IADLA	21893	0.19	0.59	0.0	3.0
R11IADLA	20534	0.19	0.59	0.0	3.0
R12IADLA	18730	0.20	0.61	0.0	3.0
S2IADLA	13084	0.12	0.43	0.0	3.0
S3IADLA	11900	0.11	0.45	0.0	3.0
S4IADLA	13968	0.11	0.45	0.0	3.0
S5IADLA	12722	0.10	0.43	0.0	3.0
S6IADLA	11636	0.11	0.45	0.0	3.0
S7IADLA	12969	0.10	0.44	0.0	3.0
S8IADLA	11731	0.11	0.46	0.0	3.0
S9IADLA	10641	0.11	0.46	0.0	3.0
S10IADLA	13429	0.13	0.48	0.0	3.0
S11IADLA	12483	0.13	0.48	0.0	3.0
S12IADLA	11027	0.14	0.49	0.0	3.0
R2IADLZA	8221	0.46	1.09	0.0	5.0
R3IADLZA	17951	0.33	0.95	0.0	5.0
R4IADLZA	21348	0.33	0.95	0.0	5.0
R5IADLZA	19551	0.34	0.98	0.0	5.0
R6IADLZA	18157	0.36	1.02	0.0	5.0
R7IADLZA	20116	0.33	0.96	0.0	5.0
R8IADLZA	18459	0.36	1.01	0.0	5.0
R9IADLZA	17205	0.37	1.02	0.0	5.0
R10IADLZA	21894	0.38	1.00	0.0	5.0
R11IADLZA	20534	0.38	1.02	0.0	5.0
R12IADLZA	18730	0.40	1.04	0.0	5.0
S2IADLZA	4348	0.36	0.98	0.0	5.0
S3IADLZA	11902	0.22	0.77	0.0	5.0
S4IADLZA	13969	0.22	0.77	0.0	5.0
S5IADLZA	12723	0.22	0.77	0.0	5.0
S6IADLZA	11636	0.22	0.78	0.0	5.0
S7IADLZA	12970	0.21	0.73	0.0	5.0
S8IADLZA	11733	0.24	0.79	0.0	5.0
S9IADLZA	10641	0.23	0.77	0.0	5.0
S10IADLZA	13430	0.26	0.81	0.0	5.0
S11IADLZA	12483	0.26	0.82	0.0	5.0
S12IADLZA	11027	0.27	0.83	0.0	5.0

How Constructed

Several summary measures for Instrumental Activities of Daily Living (IADLs) are included in an attempt to provide some consistency across waves. The HRS data does not include the same activities in each wave. The most frequently available IADL-like activity is "using a map," which is available for all waves except Wave 2A.

The usual IADLs were not asked until Wave 2. In Wave 1 there are measures like reading a map, using a calculator, and using a microwave that may serve this purpose. These are the activities that are assumed to have been used by Wallace

and Herzog in their paper (Wallace and Herzog, 1995). Using a calculator appears in Wave 2H, but is then dropped in Wave 2A and from Wave 3 on. Using a microwave is only asked in Wave 1. This summary measure is included for Wave 1 as R1IADLWW. R1IADLWW uses the variables recoded for comparison to Wallace and Herzog and is provided for comparison to the results found in that paper. Each limitation adds one to the summary measure, that is:

R1IADLWW = sum (R1MAPW, R1CALCW, R1MCWVW)

Please see "Instrumental Activities of Daily Living (IADLs): Recodes for Comparison to Wallace and Herzog" for a description of how the individual variables for R1IADLWW are derived.

Two other IADL summary measures are included. One (RwIADLA) summarizes the commonly used IADLs available from Wave 2 forward: using the phone, managing money, and taking medications. The second (RwIADLZA) summarizes these tasks and adds commonly used IADLs available in Wave 2A and from Wave 3 forward: shopping for groceries and preparing hot meals. All of these summary measures use the "some difficulty" versions of the individual items. Each limitation adds one to the summary measure, that is:

RwIADLA = sum (RwPHONEA, RwMONEYA, RwMEDSA); w=2,3,4,5

RwIADLZA = sum (RwPHONEA, RwMONEYA, RwMEDSA, RwSHOPA, RwMEALA); w=2,3,4,5

R2IADLZA is available only for AHEAD Respondents in Wave 2 (2A). For HRS Respondents, R2IADLZA is set to .Q to indicate that this measure is not available.

Please see "Instrumental Activities of Daily Living (IADLs): Some difficulty" for a description of how the individual 0/1 variables are constructed.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

See also ADL Summary and Other Summary Indices.

Cross Wave Differences in Original HRS Data

Please see "Cross Wave Differences in Original HRS Data" for the "Instrumental activities of daily living (IADLs): Some difficulty."

Other Summary Indices: Mobility, Large Muscle, Gross Fine Motor Activities

Wave	Variable	Label	Type
2	R2MOBILA	R2MOBILA:W2 Some Diff-Mobility /0-5	Cont
3	R3MOBILA	R3MOBILA:W3 Some Diff-Mobility /0-5	Cont
4	R4MOBILA	R4MOBILA:W4 Some Diff-Mobility /0-5	Cont
5	R5MOBILA	R5MOBILA:W5 Some Diff-Mobility /0-5	Cont
6	R6MOBILA	R6MOBILA:W6 Some Diff-Mobility /0-5	Cont
7	R7MOBILA	R7MOBILA:W7 Some Diff-Mobility /0-5	Cont
8	R8MOBILA	R8MOBILA:W8 Some Diff-Mobility /0-5	Cont
9	R9MOBILA	R9MOBILA:W9 Some Diff-Mobility /0-5	Cont
10	R10MOBILA	R10MOBILA:W10 Some Diff-Mobility /0-5	Cont
11	R11MOBILA	R11MOBILA:W11 Some Diff-Mobility /0-5	Cont
12	R12MOBILA	R12MOBILA:W12 Some Diff-Mobility /0-5	Cont
2	S2MOBILA	S2MOBILA:W2 Some Diff-Mobility /0-5	Cont
3	S3MOBILA	S3MOBILA:W3 Some Diff-Mobility /0-5	Cont
4	S4MOBILA	S4MOBILA:W4 Some Diff-Mobility /0-5	Cont
5	S5MOBILA	S5MOBILA:W5 Some Diff-Mobility /0-5	Cont
6	S6MOBILA	S6MOBILA:W6 Some Diff-Mobility /0-5	Cont
7	S7MOBILA	S7MOBILA:W7 Some Diff-Mobility /0-5	Cont
8	S8MOBILA	S8MOBILA:W8 Some Diff-Mobility /0-5	Cont
9	S9MOBILA	S9MOBILA:W9 Some Diff-Mobility /0-5	Cont
10	S10MOBILA	S10MOBILA:W10 Some Diff-Mobility /0-5	Cont
11	S11MOBILA	S11MOBILA:W11 Some Diff-Mobility /0-5	Cont
12	S12MOBILA	S12MOBILA:W12 Some Diff-Mobility /0-5	Cont
2	R2LGMUSA	R2LGMUSA:W2 Some Diff-Large Muscle /0-4	Cont
3	R3LGMUSA	R3LGMUSA:W3 Some Diff-Large Muscle /0-4	Cont
4	R4LGMUSA	R4LGMUSA:W4 Some Diff-Large Muscle /0-4	Cont
5	R5LGMUSA	R5LGMUSA:W5 Some Diff-Large Muscle /0-4	Cont
6	R6LGMUSA	R6LGMUSA:W6 Some Diff-Large Muscle /0-4	Cont
7	R7LGMUSA	R7LGMUSA:W7 Some Diff-Large Muscle /0-4	Cont
8	R8LGMUSA	R8LGMUSA:W8 Some Diff-Large Muscle /0-4	Cont
9	R9LGMUSA	R9LGMUSA:W9 Some Diff-Large Muscle /0-4	Cont
10	R10LGMUSA	R10LGMUSA:W10 Some Diff-Large Muscle /0-4	Cont
11	R11LGMUSA	R11LGMUSA:W11 Some Diff-Large Muscle /0-4	Cont
12	R12LGMUSA	R12LGMUSA:W12 Some Diff-Large Muscle /0-4	Cont
2	S2LGMUSA	S2LGMUSA:W2 Some Diff-Large Muscle /0-4	Cont
3	S3LGMUSA	S3LGMUSA:W3 Some Diff-Large Muscle /0-4	Cont
4	S4LGMUSA	S4LGMUSA:W4 Some Diff-Large Muscle /0-4	Cont
5	S5LGMUSA	S5LGMUSA:W5 Some Diff-Large Muscle /0-4	Cont
6	S6LGMUSA	S6LGMUSA:W6 Some Diff-Large Muscle /0-4	Cont
7	S7LGMUSA	S7LGMUSA:W7 Some Diff-Large Muscle /0-4	Cont
8	S8LGMUSA	S8LGMUSA:W8 Some Diff-Large Muscle /0-4	Cont
9	S9LGMUSA	S9LGMUSA:W9 Some Diff-Large Muscle /0-4	Cont
10	S10LGMUSA	S10LGMUSA:W10 Some Diff-Large Muscle /0-4	Cont
11	S11LGMUSA	S11LGMUSA:W11 Some Diff-Large Muscle /0-4	Cont
12	S12LGMUSA	S12LGMUSA:W12 Some Diff-Large Muscle /0-4	Cont
2	R2GROSSA	R2GROSSA:W2 Walk1/R,Clim1,Bed,Bath/0-5	Cont
3	R3GROSSA	R3GROSSA:W3 Walk1/R,Clim1,Bed,Bath/0-5	Cont
4	R4GROSSA	R4GROSSA:W4 Walk1/R,Clim1,Bed,Bath/0-5	Cont
5	R5GROSSA	R5GROSSA:W5 Walk1/R,Clim1,Bed,Bath/0-5	Cont
6	R6GROSSA	R6GROSSA:W6 Walk1/R,Clim1,Bed,Bath/0-5	Cont
7	R7GROSSA	R7GROSSA:W7 Walk1/R,Clim1,Bed,Bath/0-5	Cont
8	R8GROSSA	R8GROSSA:W8 Walk1/R,Clim1,Bed,Bath/0-5	Cont
9	R9GROSSA	R9GROSSA:W9 Walk1/R,Clim1,Bed,Bath/0-5	Cont
10	R10GROSSA	R10GROSSA:W10 Walk1/R,Clim1,Bed,Bath/0-5	Cont
11	R11GROSSA	R11GROSSA:W11 Walk1/R,Clim1,Bed,Bath/0-5	Cont
12	R12GROSSA	R12GROSSA:W12 Walk1/R,Clim1,Bed,Bath/0-5	Cont
2	S2GROSSA	S2GROSSA:W2 Walk1/R,Clim1,Bed,Bath/0-5	Cont
3	S3GROSSA	S3GROSSA:W3 Walk1/R,Clim1,Bed,Bath/0-5	Cont
4	S4GROSSA	S4GROSSA:W4 Walk1/R,Clim1,Bed,Bath/0-5	Cont
5	S5GROSSA	S5GROSSA:W5 Walk1/R,Clim1,Bed,Bath/0-5	Cont
6	S6GROSSA	S6GROSSA:W6 Walk1/R,Clim1,Bed,Bath/0-5	Cont
7	S7GROSSA	S7GROSSA:W7 Walk1/R,Clim1,Bed,Bath/0-5	Cont

8	S8GROSSA	S8GROSSA:W8 Walk1/R,Clim1,Bed,Bath/0-5	Cont
9	S9GROSSA	S9GROSSA:W9 Walk1/R,Clim1,Bed,Bath/0-5	Cont
10	S10GROSSA	S10GROSSA:W10 Walk1/R,Clim1,Bed,Bath/0-5	Cont
11	S11GROSSA	S11GROSSA:W11 Walk1/R,Clim1,Bed,Bath/0-5	Cont
12	S12GROSSA	S12GROSSA:W12 Walk1/R,Clim1,Bed,Bath/0-5	Cont
2	R2FINEA	R2FINEA:W2 Dime/Eat/Dress /0-3	Cont
3	R3FINEA	R3FINEA:W3 Dime/Eat/Dress /0-3	Cont
4	R4FINEA	R4FINEA:W4 Dime/Eat/Dress /0-3	Cont
5	R5FINEA	R5FINEA:W5 Dime/Eat/Dress /0-3	Cont
6	R6FINEA	R6FINEA:W6 Dime/Eat/Dress /0-3	Cont
7	R7FINEA	R7FINEA:W7 Dime/Eat/Dress /0-3	Cont
8	R8FINEA	R8FINEA:W8 Dime/Eat/Dress /0-3	Cont
9	R9FINEA	R9FINEA:W9 Dime/Eat/Dress /0-3	Cont
10	R10FINEA	R10FINEA:W10 Dime/Eat/Dress /0-3	Cont
11	R11FINEA	R11FINEA:W11 Dime/Eat/Dress /0-3	Cont
12	R12FINEA	R12FINEA:W12 Dime/Eat/Dress /0-3	Cont
2	S2FINEA	S2FINEA:W2 Dime/Eat/Dress /0-3	Cont
3	S3FINEA	S3FINEA:W3 Dime/Eat/Dress /0-3	Cont
4	S4FINEA	S4FINEA:W4 Dime/Eat/Dress /0-3	Cont
5	S5FINEA	S5FINEA:W5 Dime/Eat/Dress /0-3	Cont
6	S6FINEA	S6FINEA:W6 Dime/Eat/Dress /0-3	Cont
7	S7FINEA	S7FINEA:W7 Dime/Eat/Dress /0-3	Cont
8	S8FINEA	S8FINEA:W8 Dime/Eat/Dress /0-3	Cont
9	S9FINEA	S9FINEA:W9 Dime/Eat/Dress /0-3	Cont
10	S10FINEA	S10FINEA:W10 Dime/Eat/Dress /0-3	Cont
11	S11FINEA	S11FINEA:W11 Dime/Eat/Dress /0-3	Cont
12	S12FINEA	S12FINEA:W12 Dime/Eat/Dress /0-3	Cont
1	R1MOBILW	R1MOBILW:W1 Any Diff-Mobility /0-5	Cont
1	S1MOBILW	S1MOBILW:W1 Any Diff-Mobility /0-5	Cont
1	R1LGMUSW	R1LGMUSW:W1 Any Diff-Large Muscle /0-4	Cont
1	S1LGMUSW	S1LGMUSW:W1 Any Diff-Large Muscle /0-4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MOBILA	11407	0.69	1.20	0.0	5.0
R3MOBILA	17944	1.01	1.44	0.0	5.0
R4MOBILA	21352	1.01	1.46	0.0	5.0
R5MOBILA	19542	1.07	1.49	0.0	5.0
R6MOBILA	18151	1.16	1.52	0.0	5.0
R7MOBILA	20107	1.11	1.49	0.0	5.0
R8MOBILA	18454	1.21	1.54	0.0	5.0
R9MOBILA	17205	1.22	1.55	0.0	5.0
R10MOBILA	21903	1.18	1.54	0.0	5.0
R11MOBILA	20535	1.21	1.56	0.0	5.0
R12MOBILA	18732	1.27	1.57	0.0	5.0
S2MOBILA	8729	0.62	1.12	0.0	5.0
S3MOBILA	11900	0.83	1.31	0.0	5.0
S4MOBILA	13970	0.83	1.32	0.0	5.0
S5MOBILA	12723	0.88	1.35	0.0	5.0
S6MOBILA	11634	0.95	1.38	0.0	5.0
S7MOBILA	12968	0.91	1.35	0.0	5.0
S8MOBILA	11733	0.99	1.40	0.0	5.0
S9MOBILA	10645	0.98	1.39	0.0	5.0
S10MOBILA	13434	0.96	1.39	0.0	5.0

S11MOBILA	12484	1.00	1.42	0.0	5.0
S12MOBILA	11028	1.04	1.43	0.0	5.0
R2LGMUSA	11419	1.06	1.28	0.0	4.0
R3LGMUSA	17946	1.18	1.31	0.0	4.0
R4LGMUSA	21345	1.17	1.31	0.0	4.0
R5LGMUSA	19545	1.20	1.31	0.0	4.0
R6LGMUSA	18151	1.30	1.32	0.0	4.0
R7LGMUSA	20102	1.26	1.32	0.0	4.0
R8LGMUSA	18457	1.36	1.34	0.0	4.0
R9LGMUSA	17203	1.34	1.33	0.0	4.0
R10LGMUSA	21898	1.34	1.38	0.0	4.0
R11LGMUSA	20533	1.34	1.39	0.0	4.0
R12LGMUSA	18729	1.38	1.41	0.0	4.0
S2LGMUSA	8738	1.00	1.23	0.0	4.0
S3LGMUSA	11899	1.07	1.28	0.0	4.0
S4LGMUSA	13964	1.06	1.27	0.0	4.0
S5LGMUSA	12723	1.09	1.27	0.0	4.0
S6LGMUSA	11635	1.18	1.28	0.0	4.0
S7LGMUSA	12962	1.14	1.28	0.0	4.0
S8LGMUSA	11732	1.22	1.30	0.0	4.0
S9LGMUSA	10642	1.20	1.28	0.0	4.0
S10LGMUSA	13431	1.20	1.34	0.0	4.0
S11LGMUSA	12483	1.19	1.34	0.0	4.0
S12LGMUSA	11027	1.22	1.35	0.0	4.0
R2GROSSA	11420	0.27	0.83	0.0	5.0
R3GROSSA	17954	0.52	1.13	0.0	5.0
R4GROSSA	21359	0.53	1.15	0.0	5.0
R5GROSSA	19555	0.55	1.17	0.0	5.0
R6GROSSA	18158	0.59	1.19	0.0	5.0
R7GROSSA	20118	0.55	1.16	0.0	5.0
R8GROSSA	18462	0.60	1.20	0.0	5.0
R9GROSSA	17209	0.61	1.21	0.0	5.0
R10GROSSA	21906	0.59	1.21	0.0	5.0
R11GROSSA	20536	0.61	1.22	0.0	5.0
R12GROSSA	18733	0.64	1.24	0.0	5.0
S2GROSSA	8739	0.23	0.75	0.0	5.0
S3GROSSA	11904	0.37	0.95	0.0	5.0
S4GROSSA	13972	0.38	0.97	0.0	5.0
S5GROSSA	12725	0.40	0.99	0.0	5.0
S6GROSSA	11636	0.41	1.00	0.0	5.0
S7GROSSA	12970	0.39	0.97	0.0	5.0
S8GROSSA	11734	0.43	1.01	0.0	5.0
S9GROSSA	10645	0.42	0.99	0.0	5.0
S10GROSSA	13436	0.42	1.01	0.0	5.0
S11GROSSA	12484	0.45	1.04	0.0	5.0
S12GROSSA	11028	0.46	1.05	0.0	5.0
R2FINEA	19641	0.13	0.42	0.0	3.0
R3FINEA	17953	0.22	0.57	0.0	3.0
R4FINEA	21356	0.21	0.57	0.0	3.0
R5FINEA	19555	0.22	0.57	0.0	3.0
R6FINEA	18157	0.22	0.57	0.0	3.0
R7FINEA	20119	0.21	0.56	0.0	3.0
R8FINEA	18461	0.23	0.59	0.0	3.0
R9FINEA	17208	0.24	0.59	0.0	3.0

R10FINEA	21902	0.24	0.59	0.0	3.0
R11FINEA	20536	0.23	0.60	0.0	3.0
R12FINEA	18731	0.26	0.62	0.0	3.0
S2FINEA	13087	0.09	0.36	0.0	3.0
S3FINEA	11903	0.16	0.50	0.0	3.0
S4FINEA	13971	0.16	0.49	0.0	3.0
S5FINEA	12725	0.17	0.50	0.0	3.0
S6FINEA	11636	0.16	0.48	0.0	3.0
S7FINEA	12971	0.15	0.47	0.0	3.0
S8FINEA	11734	0.18	0.51	0.0	3.0
S9FINEA	10644	0.17	0.49	0.0	3.0
S10FINEA	13434	0.18	0.51	0.0	3.0
S11FINEA	12484	0.18	0.52	0.0	3.0
S12FINEA	11028	0.19	0.54	0.0	3.0
R1MOBILW	12641	1.04	1.36	0.0	5.0
S1MOBILW	9891	0.97	1.31	0.0	5.0
R1LGMUSW	12649	1.31	1.34	0.0	4.0
S1LGMUSW	9897	1.27	1.31	0.0	4.0

How Constructed

Several summary measures for functional limitations are included in an attempt to provide some consistency across waves. Wallace and Herzog present summary measures in their paper (Wallace and Herzog, 1995) which include measures for ADLs, mobility, large muscle, and IADLs. For ADL and IADL summary measures, please see "ADL Summary" and "IADL Summary." The mobility and large muscle indices are included here. After examining individual measures, two groupings of the most consistent cross wave measures were added, gross and fine motor summaries.

The large muscle index uses the sitting for 2 hrs, getting up from a chair, stooping, kneeling or crouching, and pushing or pulling large objects activities. The mobility index uses the walking one block, walking several blocks, walking across a room, climbing one flight of stairs, and climbing several flights of stairs activities. The fine motor index uses the picking up a dime, eating, and dressing activities. The gross motor index uses the walking one block, walking across a room, climbing one flight of stairs, getting in or out of bed, and bathing activities. In all waves the "some difficulty" versions of the individual measures are used to construct these measures. Each limitation adds one to the summary measure, that is:

RwMOBILA= sum (RwWALKSA, RwWALK1A, RwWALKRA, RwCLIMSA, RwCLIM1A)

RwLGMUSA= sum (RwSITA, RwCHAIRA, RwSTOOPA, RwPUSHA)

RwGROSSA= sum (RwWALK1A, RwWALKRA, RwCLIM1A, RwBEDA, RwBATHA)

RwFINEA= sum (RwDIMEA, RwEATA, RwDRESSA)

In Wave 2A, there is no R2WALK1A for R2GROSSA so we set .Q to R2GROSSA.

In Wave 2A, there are no R2WALK1A and R2CLIMSA so we set R2MOBILA and R2GROSSA to .Q for AHEAD Respondents in Wave 2. There are no R2SITA, R2CHAIRA and R2STOOPA so we set R2LGMUSA to .Q as well.

Please see "Activities of Daily Living (ADLs): Some difficulty" for a description of how RwWALKRA, RwBEDA, RwBATHA, RwEATA, and RwDRESSA are derived. Please see "Other Functional Limitations: Some difficulty" for a description of how the other individual 0/1 variables are constructed.

For Wave 1 only, alternate versions of two of these measures are derived. R1MOBILW is analogous to RwMOBILA and R1LGMUSW is analogous to RwLGMUSA. These measures use the variables recoded for comparison to Wallace and Herzog, and are provided for comparison to the results found in that paper. Each limitation adds one to the summary measure, that is:

R1MOBILW= sum (R1WALKSW, R1WALK1W, R1WALKRW, R1CLIMSW, R1CLIM1W)

R1LGMUSW= sum (R1SITW, R1CHAIRW, R1STOOPW, R1PUSHW)

Please see "Activities of Daily Living (ADLs): Recodes for Comparison to Wallace and Herzog" for a description of how RwWALKRW is derived. Please see "Other Functional Limitations: Recodes for Comparison to Wallace and Herzog" for how the other individual 0/1 variables are constructed.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 2A, there are no R2WALK1A and R2CLIMSA so we set R2MOBILA and R2GROSSA to .Q for AHEAD Respondents in Wave 2. There are no R2SITA, R2CHAIRA and R2STOOPA, so we set R2LGMUSA to .Q as well.

Please see "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Some difficulty" and for "Other Functional Limitations: Some difficulty."

Mental health (CESD score)

Wave	Variable	Label	Type
1	R1DEPREX	R1DEPREX:W1 CESD: Felt depressed-raw	Categ
1	S1DEPREX	S1DEPREX:W1 CESD: Felt depressed-raw	Categ
2	R2DEPRES	R2DEPRES:W2 CESD: Felt depressed	Categ
3	R3DEPRES	R3DEPRES:W3 CESD: Felt depressed	Categ
4	R4DEPRES	R4DEPRES:W4 CESD: Felt depressed	Categ
5	R5DEPRES	R5DEPRES:W5 CESD: Felt depressed	Categ
6	R6DEPRES	R6DEPRES:W6 CESD: Felt depressed	Categ
7	R7DEPRES	R7DEPRES:W7 CESD: Felt depressed	Categ
8	R8DEPRES	R8DEPRES:W8 CESD: Felt depressed	Categ
9	R9DEPRES	R9DEPRES:W9 CESD: Felt depressed	Categ
10	R10DEPRES	R10DEPRES:W10 CESD: Felt depressed	Categ
11	R11DEPRES	R11DEPRES:W11 CESD: Felt depressed	Categ
12	R12DEPRES	R12DEPRES:W12 CESD: Felt depressed	Categ
2	S2DEPRES	S2DEPRES:W2 CESD: Felt depressed	Categ
3	S3DEPRES	S3DEPRES:W3 CESD: Felt depressed	Categ
4	S4DEPRES	S4DEPRES:W4 CESD: Felt depressed	Categ
5	S5DEPRES	S5DEPRES:W5 CESD: Felt depressed	Categ
6	S6DEPRES	S6DEPRES:W6 CESD: Felt depressed	Categ
7	S7DEPRES	S7DEPRES:W7 CESD: Felt depressed	Categ
8	S8DEPRES	S8DEPRES:W8 CESD: Felt depressed	Categ
9	S9DEPRES	S9DEPRES:W9 CESD: Felt depressed	Categ
10	S10DEPRES	S10DEPRES:W10 CESD: Felt depressed	Categ
11	S11DEPRES	S11DEPRES:W11 CESD: Felt depressed	Categ
12	S12DEPRES	S12DEPRES:W12 CESD: Felt depressed	Categ
1	R1EFFORX	R1EFFORX:W1 CESD: Everything an effort-raw	Categ
1	S1EFFORX	S1EFFORX:W1 CESD: Everything an effort-raw	Categ
2	R2EFFORT	R2EFFORT:W2 CESD: Everything an effort	Categ
3	R3EFFORT	R3EFFORT:W3 CESD: Everything an effort	Categ
4	R4EFFORT	R4EFFORT:W4 CESD: Everything an effort	Categ
5	R5EFFORT	R5EFFORT:W5 CESD: Everything an effort	Categ
6	R6EFFORT	R6EFFORT:W6 CESD: Everything an effort	Categ
7	R7EFFORT	R7EFFORT:W7 CESD: Everything an effort	Categ
8	R8EFFORT	R8EFFORT:W8 CESD: Everything an effort	Categ
9	R9EFFORT	R9EFFORT:W9 CESD: Everything an effort	Categ
10	R10EFFORT	R10EFFORT:W10 CESD: Everything an effort	Categ
11	R11EFFORT	R11EFFORT:W11 CESD: Everything an effort	Categ
12	R12EFFORT	R12EFFORT:W12 CESD: Everything an effort	Categ
2	S2EFFORT	S2EFFORT:W2 CESD: Everything an effort	Categ
3	S3EFFORT	S3EFFORT:W3 CESD: Everything an effort	Categ
4	S4EFFORT	S4EFFORT:W4 CESD: Everything an effort	Categ
5	S5EFFORT	S5EFFORT:W5 CESD: Everything an effort	Categ
6	S6EFFORT	S6EFFORT:W6 CESD: Everything an effort	Categ
7	S7EFFORT	S7EFFORT:W7 CESD: Everything an effort	Categ
8	S8EFFORT	S8EFFORT:W8 CESD: Everything an effort	Categ
9	S9EFFORT	S9EFFORT:W9 CESD: Everything an effort	Categ
10	S10EFFORT	S10EFFORT:W10 CESD: Everything an effort	Categ
11	S11EFFORT	S11EFFORT:W11 CESD: Everything an effort	Categ
12	S12EFFORT	S12EFFORT:W12 CESD: Everything an effort	Categ
1	R1SLEEPX	R1SLEEPX:W1 CESD: Sleep was restless-raw	Categ
1	S1SLEEPX	S1SLEEPX:W1 CESD: Sleep was restless-raw	Categ
2	R2SLEEPR	R2SLEEPR:W2 CESD: Sleep was restless	Categ
3	R3SLEEPR	R3SLEEPR:W3 CESD: Sleep was restless	Categ
4	R4SLEEPR	R4SLEEPR:W4 CESD: Sleep was restless	Categ
5	R5SLEEPR	R5SLEEPR:W5 CESD: Sleep was restless	Categ
6	R6SLEEPR	R6SLEEPR:W6 CESD: Sleep was restless	Categ
7	R7SLEEPR	R7SLEEPR:W7 CESD: Sleep was restless	Categ

8	R8SLEEPR	R8SLEEPR:W8 CESD: Sleep was restless	Categ
9	R9SLEEPR	R9SLEEPR:W9 CESD: Sleep was restless	Categ
10	R10SLEEPR	R10SLEEPR:W10 CESD: Sleep was restless	Categ
11	R11SLEEPR	R11SLEEPR:W11 CESD: Sleep was restless	Categ
12	R12SLEEPR	R12SLEEPR:W12 CESD: Sleep was restless	Categ
2	S2SLEEPR	S2SLEEPR:W2 CESD: Sleep was restless	Categ
3	S3SLEEPR	S3SLEEPR:W3 CESD: Sleep was restless	Categ
4	S4SLEEPR	S4SLEEPR:W4 CESD: Sleep was restless	Categ
5	S5SLEEPR	S5SLEEPR:W5 CESD: Sleep was restless	Categ
6	S6SLEEPR	S6SLEEPR:W6 CESD: Sleep was restless	Categ
7	S7SLEEPR	S7SLEEPR:W7 CESD: Sleep was restless	Categ
8	S8SLEEPR	S8SLEEPR:W8 CESD: Sleep was restless	Categ
9	S9SLEEPR	S9SLEEPR:W9 CESD: Sleep was restless	Categ
10	S10SLEEPR	S10SLEEPR:W10 CESD: Sleep was restless	Categ
11	S11SLEEPR	S11SLEEPR:W11 CESD: Sleep was restless	Categ
12	S12SLEEPR	S12SLEEPR:W12 CESD: Sleep was restless	Categ
1	R1WHAPPX	R1WHAPPX:W1 CESD: Was happy-raw	Categ
1	S1WHAPPX	S1WHAPPX:W1 CESD: Was happy-raw	Categ
2	R2WHAPPY	R2WHAPPY:W2 CESD: Was happy	Categ
3	R3WHAPPY	R3WHAPPY:W3 CESD: Was happy	Categ
4	R4WHAPPY	R4WHAPPY:W4 CESD: Was happy	Categ
5	R5WHAPPY	R5WHAPPY:W5 CESD: Was happy	Categ
6	R6WHAPPY	R6WHAPPY:W6 CESD: Was happy	Categ
7	R7WHAPPY	R7WHAPPY:W7 CESD: Was happy	Categ
8	R8WHAPPY	R8WHAPPY:W8 CESD: Was happy	Categ
9	R9WHAPPY	R9WHAPPY:W9 CESD: Was happy	Categ
10	R10WHAPPY	R10WHAPPY:W10 CESD: Was happy	Categ
11	R11WHAPPY	R11WHAPPY:W11 CESD: Was happy	Categ
12	R12WHAPPY	R12WHAPPY:W12 CESD: Was happy	Categ
2	S2WHAPPY	S2WHAPPY:W2 CESD: Was happy	Categ
3	S3WHAPPY	S3WHAPPY:W3 CESD: Was happy	Categ
4	S4WHAPPY	S4WHAPPY:W4 CESD: Was happy	Categ
5	S5WHAPPY	S5WHAPPY:W5 CESD: Was happy	Categ
6	S6WHAPPY	S6WHAPPY:W6 CESD: Was happy	Categ
7	S7WHAPPY	S7WHAPPY:W7 CESD: Was happy	Categ
8	S8WHAPPY	S8WHAPPY:W8 CESD: Was happy	Categ
9	S9WHAPPY	S9WHAPPY:W9 CESD: Was happy	Categ
10	S10WHAPPY	S10WHAPPY:W10 CESD: Was happy	Categ
11	S11WHAPPY	S11WHAPPY:W11 CESD: Was happy	Categ
12	S12WHAPPY	S12WHAPPY:W12 CESD: Was happy	Categ
1	R1FLONEX	R1FLONEX:W1 CESD: Felt lonely-raw	Categ
1	S1FLONEX	S1FLONEX:W1 CESD: Felt lonely-raw	Categ
2	R2FLONE	R2FLONE:W2 CESD: Felt lonely	Categ
3	R3FLONE	R3FLONE:W3 CESD: Felt lonely	Categ
4	R4FLONE	R4FLONE:W4 CESD: Felt lonely	Categ
5	R5FLONE	R5FLONE:W5 CESD: Felt lonely	Categ
6	R6FLONE	R6FLONE:W6 CESD: Felt lonely	Categ
7	R7FLONE	R7FLONE:W7 CESD: Felt lonely	Categ
8	R8FLONE	R8FLONE:W8 CESD: Felt lonely	Categ
9	R9FLONE	R9FLONE:W9 CESD: Felt lonely	Categ
10	R10FLONE	R10FLONE:W10 CESD: Felt lonely	Categ
11	R11FLONE	R11FLONE:W11 CESD: Felt lonely	Categ
12	R12FLONE	R12FLONE:W12 CESD: Felt lonely	Categ
2	S2FLONE	S2FLONE:W2 CESD: Felt lonely	Categ
3	S3FLONE	S3FLONE:W3 CESD: Felt lonely	Categ
4	S4FLONE	S4FLONE:W4 CESD: Felt lonely	Categ
5	S5FLONE	S5FLONE:W5 CESD: Felt lonely	Categ
6	S6FLONE	S6FLONE:W6 CESD: Felt lonely	Categ
7	S7FLONE	S7FLONE:W7 CESD: Felt lonely	Categ
8	S8FLONE	S8FLONE:W8 CESD: Felt lonely	Categ
9	S9FLONE	S9FLONE:W9 CESD: Felt lonely	Categ
10	S10FLONE	S10FLONE:W10 CESD: Felt lonely	Categ
11	S11FLONE	S11FLONE:W11 CESD: Felt lonely	Categ

12	S12FLONE	S12FLONE:W12 CESD: Felt lonely	Categ
1	R1FSADX	R1FSADX:W1 CESD: Felt sad-raw	Categ
1	S1FSADX	S1FSADX:W1 CESD: Felt sad-raw	Categ
2	R2FSAD	R2FSAD:W2 CESD: Felt sad	Categ
3	R3FSAD	R3FSAD:W3 CESD: Felt sad	Categ
4	R4FSAD	R4FSAD:W4 CESD: Felt sad	Categ
5	R5FSAD	R5FSAD:W5 CESD: Felt sad	Categ
6	R6FSAD	R6FSAD:W6 CESD: Felt sad	Categ
7	R7FSAD	R7FSAD:W7 CESD: Felt sad	Categ
8	R8FSAD	R8FSAD:W8 CESD: Felt sad	Categ
9	R9FSAD	R9FSAD:W9 CESD: Felt sad	Categ
10	R10FSAD	R10FSAD:W10 CESD: Felt sad	Categ
11	R11FSAD	R11FSAD:W11 CESD: Felt sad	Categ
12	R12FSAD	R12FSAD:W12 CESD: Felt sad	Categ
2	S2FSAD	S2FSAD:W2 CESD: Felt sad	Categ
3	S3FSAD	S3FSAD:W3 CESD: Felt sad	Categ
4	S4FSAD	S4FSAD:W4 CESD: Felt sad	Categ
5	S5FSAD	S5FSAD:W5 CESD: Felt sad	Categ
6	S6FSAD	S6FSAD:W6 CESD: Felt sad	Categ
7	S7FSAD	S7FSAD:W7 CESD: Felt sad	Categ
8	S8FSAD	S8FSAD:W8 CESD: Felt sad	Categ
9	S9FSAD	S9FSAD:W9 CESD: Felt sad	Categ
10	S10FSAD	S10FSAD:W10 CESD: Felt sad	Categ
11	S11FSAD	S11FSAD:W11 CESD: Felt sad	Categ
12	S12FSAD	S12FSAD:W12 CESD: Felt sad	Categ
1	R1GOINGX	R1GOINGX:W1 CESD: Could not get going -raw	Categ
1	S1GOINGX	S1GOINGX:W1 CESD: Could not get going -raw	Categ
2	R2GOING	R2GOING:W2 CESD: Could not get going	Categ
3	R3GOING	R3GOING:W3 CESD: Could not get going	Categ
4	R4GOING	R4GOING:W4 CESD: Could not get going	Categ
5	R5GOING	R5GOING:W5 CESD: Could not get going	Categ
6	R6GOING	R6GOING:W6 CESD: Could not get going	Categ
7	R7GOING	R7GOING:W7 CESD: Could not get going	Categ
8	R8GOING	R8GOING:W8 CESD: Could not get going	Categ
9	R9GOING	R9GOING:W9 CESD: Could not get going	Categ
10	R10GOING	R10GOING:W10 CESD: Could not get going	Categ
11	R11GOING	R11GOING:W11 CESD: Could not get going	Categ
12	R12GOING	R12GOING:W12 CESD: Could not get going	Categ
2	S2GOING	S2GOING:W2 CESD: Could not get going	Categ
3	S3GOING	S3GOING:W3 CESD: Could not get going	Categ
4	S4GOING	S4GOING:W4 CESD: Could not get going	Categ
5	S5GOING	S5GOING:W5 CESD: Could not get going	Categ
6	S6GOING	S6GOING:W6 CESD: Could not get going	Categ
7	S7GOING	S7GOING:W7 CESD: Could not get going	Categ
8	S8GOING	S8GOING:W8 CESD: Could not get going	Categ
9	S9GOING	S9GOING:W9 CESD: Could not get going	Categ
10	S10GOING	S10GOING:W10 CESD: Could not get going	Categ
11	S11GOING	S11GOING:W11 CESD: Could not get going	Categ
12	S12GOING	S12GOING:W12 CESD: Could not get going	Categ
1	R1ENLIFX	R1ENLIFX:W1 CESD: Enjoyed life -raw	Categ
1	S1ENLIFX	S1ENLIFX:W1 CESD: Enjoyed life -raw	Categ
2	R2ENLIFE	R2ENLIFE:W2 CESD: Enjoyed life	Categ
3	R3ENLIFE	R3ENLIFE:W3 CESD: Enjoyed life	Categ
4	R4ENLIFE	R4ENLIFE:W4 CESD: Enjoyed life	Categ
5	R5ENLIFE	R5ENLIFE:W5 CESD: Enjoyed life	Categ
6	R6ENLIFE	R6ENLIFE:W6 CESD: Enjoyed life	Categ
7	R7ENLIFE	R7ENLIFE:W7 CESD: Enjoyed life	Categ
8	R8ENLIFE	R8ENLIFE:W8 CESD: Enjoyed life	Categ
9	R9ENLIFE	R9ENLIFE:W9 CESD: Enjoyed life	Categ
10	R10ENLIFE	R10ENLIFE:W10 CESD: Enjoyed life	Categ
11	R11ENLIFE	R11ENLIFE:W11 CESD: Enjoyed life	Categ

12	R12ENLIFE	R12ENLIFE:W12 CESD: Enjoyed life	Categ
2	S2ENLIFE	S2ENLIFE:W2 CESD: Enjoyed life	Categ
3	S3ENLIFE	S3ENLIFE:W3 CESD: Enjoyed life	Categ
4	S4ENLIFE	S4ENLIFE:W4 CESD: Enjoyed life	Categ
5	S5ENLIFE	S5ENLIFE:W5 CESD: Enjoyed life	Categ
6	S6ENLIFE	S6ENLIFE:W6 CESD: Enjoyed life	Categ
7	S7ENLIFE	S7ENLIFE:W7 CESD: Enjoyed life	Categ
8	S8ENLIFE	S8ENLIFE:W8 CESD: Enjoyed life	Categ
9	S9ENLIFE	S9ENLIFE:W9 CESD: Enjoyed life	Categ
10	S10ENLIFE	S10ENLIFE:W10 CESD: Enjoyed life	Categ
11	S11ENLIFE	S11ENLIFE:W11 CESD: Enjoyed life	Categ
12	S12ENLIFE	S12ENLIFE:W12 CESD: Enjoyed life	Categ
2	R2CESD	R2CESD:W2 CESD score	Cont
3	R3CESD	R3CESD:W3 CESD score	Cont
4	R4CESD	R4CESD:W4 CESD score	Cont
5	R5CESD	R5CESD:W5 CESD score	Cont
6	R6CESD	R6CESD:W6 CESD score	Cont
7	R7CESD	R7CESD:W7 CESD score	Cont
8	R8CESD	R8CESD:W8 CESD score	Cont
9	R9CESD	R9CESD:W9 CESD score	Cont
10	R10CESD	R10CESD:W10 CESD score	Cont
11	R11CESD	R11CESD:W11 CESD score	Cont
12	R12CESD	R12CESD:W12 CESD score	Cont
2	S2CESD	S2CESD:W2 CESD score	Cont
3	S3CESD	S3CESD:W3 CESD score	Cont
4	S4CESD	S4CESD:W4 CESD score	Cont
5	S5CESD	S5CESD:W5 CESD score	Cont
6	S6CESD	S6CESD:W6 CESD score	Cont
7	S7CESD	S7CESD:W7 CESD score	Cont
8	S8CESD	S8CESD:W8 CESD score	Cont
9	S9CESD	S9CESD:W9 CESD score	Cont
10	S10CESD	S10CESD:W10 CESD score	Cont
11	S11CESD	S11CESD:W11 CESD score	Cont
12	S12CESD	S12CESD:W12 CESD score	Cont
1	R1CESDM	R1CESDM:W1 missings in CESD score	Cont
2	R2CESDM	R2CESDM:W2 missings in CESD score	Cont
3	R3CESDM	R3CESDM:W3 missings in CESD score	Cont
4	R4CESDM	R4CESDM:W4 missings in CESD score	Cont
5	R5CESDM	R5CESDM:W5 missings in CESD score	Cont
6	R6CESDM	R6CESDM:W6 missings in CESD score	Cont
7	R7CESDM	R7CESDM:W7 missings in CESD score	Cont
8	R8CESDM	R8CESDM:W8 missings in CESD score	Cont
9	R9CESDM	R9CESDM:W9 missings in CESD score	Cont
10	R10CESDM	R10CESDM:W10 missings in CESD score	Cont
11	R11CESDM	R11CESDM:W11 missings in CESD score	Cont
12	R12CESDM	R12CESDM:W12 missings in CESD score	Cont
1	S1CESDM	S1CESDM:W1 missings in CESD score	Cont
2	S2CESDM	S2CESDM:W2 missings in CESD score	Cont
3	S3CESDM	S3CESDM:W3 missings in CESD score	Cont
4	S4CESDM	S4CESDM:W4 missings in CESD score	Cont
5	S5CESDM	S5CESDM:W5 missings in CESD score	Cont
6	S6CESDM	S6CESDM:W6 missings in CESD score	Cont
7	S7CESDM	S7CESDM:W7 missings in CESD score	Cont
8	S8CESDM	S8CESDM:W8 missings in CESD score	Cont
9	S9CESDM	S9CESDM:W9 missings in CESD score	Cont
10	S10CESDM	S10CESDM:W10 missings in CESD score	Cont
11	S11CESDM	S11CESDM:W11 missings in CESD score	Cont
12	S12CESDM	S12CESDM:W12 missings in CESD score	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DEPREX	12652	3.63	0.66	1.0	4.0
S1DEPREX	9900	3.67	0.62	1.0	4.0
R2DEPRES	18058	0.18	0.38	0.0	1.0
R3DEPRES	16339	0.16	0.37	0.0	1.0
R4DEPRES	19318	0.17	0.38	0.0	1.0
R5DEPRES	17503	0.18	0.38	0.0	1.0
R6DEPRES	16110	0.17	0.38	0.0	1.0
R7DEPRES	18271	0.16	0.37	0.0	1.0
R8DEPRES	17184	0.17	0.37	0.0	1.0
R9DEPRES	16067	0.13	0.34	0.0	1.0
R10DEPRES	20633	0.14	0.34	0.0	1.0
R11DEPRES	19386	0.14	0.35	0.0	1.0
R12DEPRES	17688	0.13	0.34	0.0	1.0
S2DEPRES	11934	0.14	0.35	0.0	1.0
S3DEPRES	10797	0.13	0.33	0.0	1.0
S4DEPRES	12563	0.14	0.35	0.0	1.0
S5DEPRES	11316	0.14	0.35	0.0	1.0
S6DEPRES	10269	0.14	0.35	0.0	1.0
S7DEPRES	11734	0.13	0.34	0.0	1.0
S8DEPRES	10931	0.13	0.34	0.0	1.0
S9DEPRES	9985	0.10	0.31	0.0	1.0
S10DEPRES	12687	0.11	0.31	0.0	1.0
S11DEPRES	11830	0.11	0.32	0.0	1.0
S12DEPRES	10439	0.11	0.31	0.0	1.0
R1EFFORX	12652	3.45	0.84	1.0	4.0
S1EFFORX	9900	3.50	0.80	1.0	4.0
R2EFFORT	18041	0.24	0.43	0.0	1.0
R3EFFORT	16332	0.22	0.42	0.0	1.0
R4EFFORT	19318	0.26	0.44	0.0	1.0
R5EFFORT	17501	0.24	0.43	0.0	1.0
R6EFFORT	16110	0.26	0.44	0.0	1.0
R7EFFORT	18262	0.25	0.43	0.0	1.0
R8EFFORT	17166	0.26	0.44	0.0	1.0
R9EFFORT	16055	0.23	0.42	0.0	1.0
R10EFFORT	20616	0.27	0.45	0.0	1.0
R11EFFORT	19363	0.26	0.44	0.0	1.0
R12EFFORT	17660	0.27	0.44	0.0	1.0
S2EFFORT	11932	0.21	0.41	0.0	1.0
S3EFFORT	10796	0.19	0.39	0.0	1.0
S4EFFORT	12557	0.24	0.42	0.0	1.0
S5EFFORT	11317	0.21	0.41	0.0	1.0
S6EFFORT	10273	0.22	0.42	0.0	1.0
S7EFFORT	11730	0.21	0.41	0.0	1.0
S8EFFORT	10927	0.23	0.42	0.0	1.0
S9EFFORT	9980	0.19	0.40	0.0	1.0
S10EFFORT	12680	0.24	0.43	0.0	1.0
S11EFFORT	11812	0.23	0.42	0.0	1.0
S12EFFORT	10423	0.24	0.43	0.0	1.0

R1SLEEPX	12652	3.33	0.84	1.0	4.0
S1SLEEPX	9900	3.36	0.81	1.0	4.0
R2SLEEPR	18060	0.31	0.46	0.0	1.0
R3SLEEPR	16347	0.28	0.45	0.0	1.0
R4SLEEPR	19322	0.35	0.48	0.0	1.0
R5SLEEPR	17506	0.33	0.47	0.0	1.0
R6SLEEPR	16108	0.28	0.45	0.0	1.0
R7SLEEPR	18269	0.29	0.45	0.0	1.0
R8SLEEPR	17189	0.30	0.46	0.0	1.0
R9SLEEPR	16067	0.32	0.47	0.0	1.0
R10SLEEPR	20626	0.31	0.46	0.0	1.0
R11SLEEPR	19376	0.33	0.47	0.0	1.0
R12SLEEPR	17671	0.31	0.46	0.0	1.0
S2SLEEPR	11931	0.29	0.45	0.0	1.0
S3SLEEPR	10802	0.26	0.44	0.0	1.0
S4SLEEPR	12561	0.33	0.47	0.0	1.0
S5SLEEPR	11317	0.32	0.47	0.0	1.0
S6SLEEPR	10268	0.26	0.44	0.0	1.0
S7SLEEPR	11733	0.27	0.44	0.0	1.0
S8SLEEPR	10936	0.27	0.45	0.0	1.0
S9SLEEPR	9985	0.31	0.46	0.0	1.0
S10SLEEPR	12685	0.29	0.45	0.0	1.0
S11SLEEPR	11821	0.31	0.46	0.0	1.0
S12SLEEPR	10430	0.29	0.45	0.0	1.0
R1WHAPPX	12652	1.91	0.80	1.0	4.0
S1WHAPPX	9900	1.85	0.77	1.0	4.0
R2WHAPPY	18031	0.88	0.32	0.0	1.0
R3WHAPPY	16325	0.89	0.32	0.0	1.0
R4WHAPPY	19316	0.86	0.34	0.0	1.0
R5WHAPPY	17495	0.87	0.33	0.0	1.0
R6WHAPPY	16094	0.87	0.33	0.0	1.0
R7WHAPPY	18227	0.87	0.34	0.0	1.0
R8WHAPPY	17156	0.86	0.34	0.0	1.0
R9WHAPPY	16058	0.86	0.34	0.0	1.0
R10WHAPPY	20594	0.85	0.36	0.0	1.0
R11WHAPPY	19345	0.86	0.35	0.0	1.0
R12WHAPPY	17645	0.86	0.35	0.0	1.0
S2WHAPPY	11920	0.90	0.29	0.0	1.0
S3WHAPPY	10790	0.91	0.29	0.0	1.0
S4WHAPPY	12558	0.89	0.31	0.0	1.0
S5WHAPPY	11311	0.90	0.31	0.0	1.0
S6WHAPPY	10266	0.90	0.30	0.0	1.0
S7WHAPPY	11712	0.89	0.31	0.0	1.0
S8WHAPPY	10917	0.89	0.31	0.0	1.0
S9WHAPPY	9983	0.89	0.31	0.0	1.0
S10WHAPPY	12669	0.88	0.33	0.0	1.0
S11WHAPPY	11806	0.88	0.32	0.0	1.0
S12WHAPPY	10415	0.89	0.32	0.0	1.0
R1FLONEX	12652	3.70	0.62	1.0	4.0
S1FLONEX	9900	3.78	0.53	1.0	4.0

R2FLONE	18065	0.16	0.36	0.0	1.0
R3FLONE	16342	0.16	0.37	0.0	1.0
R4FLONE	19322	0.18	0.38	0.0	1.0
R5FLONE	17503	0.18	0.39	0.0	1.0
R6FLONE	16108	0.18	0.39	0.0	1.0
R7FLONE	18271	0.17	0.38	0.0	1.0
R8FLONE	17183	0.18	0.38	0.0	1.0
R9FLONE	16064	0.16	0.37	0.0	1.0
R10FLONE	20631	0.17	0.38	0.0	1.0
R11FLONE	19383	0.17	0.38	0.0	1.0
R12FLONE	17677	0.17	0.38	0.0	1.0
S2FLONE	11934	0.08	0.28	0.0	1.0
S3FLONE	10801	0.09	0.29	0.0	1.0
S4FLONE	12562	0.11	0.31	0.0	1.0
S5FLONE	11315	0.11	0.31	0.0	1.0
S6FLONE	10269	0.10	0.29	0.0	1.0
S7FLONE	11736	0.10	0.30	0.0	1.0
S8FLONE	10932	0.10	0.30	0.0	1.0
S9FLONE	9985	0.09	0.29	0.0	1.0
S10FLONE	12687	0.10	0.31	0.0	1.0
S11FLONE	11830	0.10	0.30	0.0	1.0
S12FLONE	10438	0.10	0.31	0.0	1.0
R1FSADX	12652	3.60	0.62	1.0	4.0
S1FSADX	9900	3.64	0.58	1.0	4.0
R2FSAD	18055	0.17	0.38	0.0	1.0
R3FSAD	16340	0.16	0.37	0.0	1.0
R4FSAD	19318	0.20	0.40	0.0	1.0
R5FSAD	17502	0.22	0.41	0.0	1.0
R6FSAD	16107	0.21	0.41	0.0	1.0
R7FSAD	18265	0.21	0.40	0.0	1.0
R8FSAD	17177	0.20	0.40	0.0	1.0
R9FSAD	16061	0.18	0.38	0.0	1.0
R10FSAD	20628	0.19	0.39	0.0	1.0
R11FSAD	19373	0.20	0.40	0.0	1.0
R12FSAD	17664	0.19	0.39	0.0	1.0
S2FSAD	11928	0.13	0.34	0.0	1.0
S3FSAD	10798	0.13	0.34	0.0	1.0
S4FSAD	12559	0.17	0.37	0.0	1.0
S5FSAD	11316	0.18	0.38	0.0	1.0
S6FSAD	10268	0.17	0.38	0.0	1.0
S7FSAD	11732	0.17	0.37	0.0	1.0
S8FSAD	10928	0.16	0.37	0.0	1.0
S9FSAD	9981	0.14	0.35	0.0	1.0
S10FSAD	12687	0.15	0.36	0.0	1.0
S11FSAD	11819	0.15	0.36	0.0	1.0
S12FSAD	10429	0.15	0.36	0.0	1.0
R1GOINGX	12652	3.48	0.74	1.0	4.0
S1GOINGX	9900	3.51	0.72	1.0	4.0
R2GOING	18044	0.21	0.41	0.0	1.0
R3GOING	16335	0.19	0.40	0.0	1.0

R4GOING	19310	0.23	0.42	0.0	1.0
R5GOING	17501	0.22	0.42	0.0	1.0
R6GOING	16103	0.23	0.42	0.0	1.0
R7GOING	18247	0.21	0.41	0.0	1.0
R8GOING	17167	0.22	0.41	0.0	1.0
R9GOING	16051	0.20	0.40	0.0	1.0
R10GOING	20576	0.21	0.41	0.0	1.0
R11GOING	19321	0.21	0.41	0.0	1.0
R12GOING	17627	0.21	0.40	0.0	1.0
S2GOING	11927	0.18	0.38	0.0	1.0
S3GOING	10796	0.17	0.37	0.0	1.0
S4GOING	12554	0.21	0.41	0.0	1.0
S5GOING	11315	0.20	0.40	0.0	1.0
S6GOING	10265	0.20	0.40	0.0	1.0
S7GOING	11720	0.18	0.39	0.0	1.0
S8GOING	10926	0.18	0.39	0.0	1.0
S9GOING	9974	0.18	0.38	0.0	1.0
S10GOING	12662	0.19	0.39	0.0	1.0
S11GOING	11788	0.18	0.38	0.0	1.0
S12GOING	10404	0.18	0.38	0.0	1.0
R1ENLIFX	12652	1.62	0.77	1.0	4.0
S1ENLIFX	9900	1.59	0.73	1.0	4.0
R2ENLIFE	18034	0.92	0.26	0.0	1.0
R3ENLIFE	16329	0.93	0.25	0.0	1.0
R4ENLIFE	19310	0.92	0.28	0.0	1.0
R5ENLIFE	17496	0.92	0.27	0.0	1.0
R6ENLIFE	16101	0.93	0.26	0.0	1.0
R7ENLIFE	18254	0.92	0.27	0.0	1.0
R8ENLIFE	17174	0.92	0.28	0.0	1.0
R9ENLIFE	16049	0.91	0.28	0.0	1.0
R10ENLIFE	20617	0.91	0.29	0.0	1.0
R11ENLIFE	19350	0.91	0.29	0.0	1.0
R12ENLIFE	17669	0.90	0.29	0.0	1.0
S2ENLIFE	11922	0.94	0.24	0.0	1.0
S3ENLIFE	10794	0.94	0.23	0.0	1.0
S4ENLIFE	12556	0.93	0.25	0.0	1.0
S5ENLIFE	11315	0.93	0.25	0.0	1.0
S6ENLIFE	10270	0.94	0.23	0.0	1.0
S7ENLIFE	11727	0.94	0.25	0.0	1.0
S8ENLIFE	10925	0.93	0.25	0.0	1.0
S9ENLIFE	9979	0.93	0.25	0.0	1.0
S10ENLIFE	12687	0.93	0.26	0.0	1.0
S11ENLIFE	11815	0.93	0.26	0.0	1.0
S12ENLIFE	10435	0.93	0.26	0.0	1.0
R2CESD	18070	1.47	2.00	0.0	8.0
R3CESD	16347	1.36	1.90	0.0	8.0
R4CESD	19329	1.62	1.95	0.0	8.0
R5CESD	17509	1.58	1.93	0.0	8.0
R6CESD	16125	1.54	1.98	0.0	8.0
R7CESD	18283	1.50	1.99	0.0	8.0
R8CESD	17198	1.54	2.01	0.0	8.0
R9CESD	16075	1.45	1.98	0.0	8.0
R10CESD	20647	1.53	2.04	0.0	8.0

R11CESD	19400	1.54	2.05	0.0	8.0
R12CESD	17696	1.52	2.05	0.0	8.0
S2CESD	11937	1.19	1.81	0.0	8.0
S3CESD	10802	1.12	1.72	0.0	8.0
S4CESD	12566	1.37	1.80	0.0	8.0
S5CESD	11318	1.32	1.79	0.0	8.0
S6CESD	10278	1.25	1.79	0.0	8.0
S7CESD	11742	1.24	1.82	0.0	8.0
S8CESD	10938	1.26	1.82	0.0	8.0
S9CESD	9989	1.19	1.78	0.0	8.0
S10CESD	12692	1.27	1.86	0.0	8.0
S11CESD	11834	1.27	1.86	0.0	8.0
S12CESD	10441	1.26	1.86	0.0	8.0
R1CESDM	12652	0.04	0.50	0.0	8.0
R2CESDM	19642	0.65	2.17	0.0	8.0
R3CESDM	17991	0.74	2.31	0.0	8.0
R4CESDM	21384	0.77	2.36	0.0	8.0
R5CESDM	19579	0.85	2.46	0.0	8.0
R6CESDM	18165	0.91	2.53	0.0	8.0
R7CESDM	20129	0.74	2.31	0.0	8.0
R8CESDM	18469	0.56	2.03	0.0	8.0
R9CESDM	17217	0.54	1.99	0.0	8.0
R10CESDM	22034	0.52	1.94	0.0	8.0
R11CESDM	20554	0.46	1.84	0.0	8.0
R12CESDM	18748	0.46	1.84	0.0	8.0
S1CESDM	9900	0.05	0.53	0.0	8.0
S2CESDM	13088	0.71	2.27	0.0	8.0
S3CESDM	11915	0.75	2.33	0.0	8.0
S4CESDM	13978	0.81	2.41	0.0	8.0
S5CESDM	12730	0.89	2.51	0.0	8.0
S6CESDM	11639	0.94	2.57	0.0	8.0
S7CESDM	12972	0.77	2.35	0.0	8.0
S8CESDM	11735	0.55	2.02	0.0	8.0
S9CESDM	10646	0.50	1.93	0.0	8.0
S10CESDM	13513	0.49	1.91	0.0	8.0
S11CESDM	12488	0.43	1.78	0.0	8.0
S12CESDM	11031	0.44	1.80	0.0	8.0

Categorical Variable Codes

Value	R1DEPREX
1.All or almost all	298
2.Most of the time	371
3.Some of the time	3090
4.None or almost none	8893

Value	S1DEPREX
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	186
2.Most of the time	237
3.Some of the time	2252
4.None or almost none	7225

Value	R2DEPRES	R3DEPRES	R4DEPRES	R5DEPRES	R6DEPRES	R7DEPRES
.D=DK/NA	13	7	5	6	15	9
.M=Oth missing		2	9	6		36
.R=RF	6	3	9	2	4	11
.S=Skip	1565	1640	2043	2062	2036	1802
0.No	14805	13749	15946	14378	13291	15329
1.Yes	3253	2590	3372	3125	2819	2942

Value	R8DEPRES	R9DEPRES	R10DEPRES	R11DEPRES	R12DEPRES
.D=DK/NA	13	9	13	14	9
.M=Oth missing	3		3	1	
.R=RF	9	1	3	7	1
.S=Skip	1260	1140	1382	1146	1050
0.No	14316	13941	17800	16649	15312
1.Yes	2868	2126	2833	2737	2376

Value	S2DEPRES	S3DEPRES	S4DEPRES	S5DEPRES	S6DEPRES	S7DEPRES
.D=DK/NA	4	4	1	3	9	5
.M=Oth missing		2	3	1		23
.R=RF	2	1	4		2	7
.S=Skip	1148	1111	1407	1410	1359	1203
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	10204	9428	10756	9716	8834	10213
1.Yes	1730	1369	1807	1600	1435	1521

Value	S8DEPRES	S9DEPRES	S10DEPRES	S11DEPRES	S12DEPRES
.D=DK/NA	5	4	4	4	3
.M=Oth missing	1		3	1	
.R=RF	6		2	4	
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9482	8945	11295	10504	9323
1.Yes	1449	1040	1392	1326	1116

Value	R1EFFORX
1.All or almost all	626
2.Most of the time	971
3.Some of the time	3090
4.None or almost none	7965

Value	S1EFFORX
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	429
2.Most of the time	658
3.Some of the time	2359
4.None or almost none	6454

Value	R2EFFORT	R3EFFORT	R4EFFORT	R5EFFORT	R6EFFORT	R7EFFORT
.D=DK/NA	27	14	9	7	13	17
.M=Oth missing		1	11	7		36
.R=RF	9	4	3	2	6	12
.S=Skip	1565	1640	2043	2062	2036	1802
0.No	13689	12693	14244	13303	11953	13771
1.Yes	4352	3639	5074	4198	4157	4491

Value	R8EFFORT	R9EFFORT	R10EFFORT	R11EFFORT	R12EFFORT
.D=DK/NA	29	19	27	33	34
.M=Oth missing	3		3	1	
.R=RF	11	3	6	11	4
.S=Skip	1260	1140	1382	1146	1050
0.No	12652	12397	14973	14290	12907
1.Yes	4514	3658	5643	5073	4753

Value	S2EFFORT	S3EFFORT	S4EFFORT	S5EFFORT	S6EFFORT	S7EFFORT
.D=DK/NA	6	6	7	1	5	8
.M=Oth missing		1	5	1		23
.R=RF	2	1	2	1	2	8
.S=Skip	1148	1111	1407	1410	1359	1203
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	9454	8711	9603	8922	7974	9213
1.Yes	2478	2085	2954	2395	2299	2517

Value	S8EFFORT	S9EFFORT	S10EFFORT	S11EFFORT	S12EFFORT
.D=DK/NA	9	8	10	18	18
.M=Oth missing	1		3	1	
.R=RF	6	1	3	8	1
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	8393	8043	9648	9128	7957
1.Yes	2534	1937	3032	2684	2466

Value	R1SLEEPX
1.All or almost all	692
2.Most of the time	1011
3.Some of the time	4400
4.None or almost none	6549

Value	S1SLEEPX
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	471
2.Most of the time	733
3.Some of the time	3503
4.None or almost none	5193

Value	R2SLEEPR	R3SLEEPR	R4SLEEPR	R5SLEEPR	R6SLEEPR	R7SLEEPR
.D=DK/NA	15		3	3	15	11
.M=Oth missing		1	12	6		36
.R=RF	2	3	4	2	6	11
.S=Skip	1565	1640	2043	2062	2036	1802
0.No	12460	11833	12613	11683	11592	12954
1.Yes	5600	4514	6709	5823	4516	5315

Value	R8SLEEPR	R9SLEEPR	R10SLEEPR	R11SLEEPR	R12SLEEPR
.D=DK/NA	11	9	20	24	25
.M=Oth missing	3		3	1	
.R=RF	6	1	3	7	2
.S=Skip	1260	1140	1382	1146	1050
0.No	12111	10878	14241	12980	12143
1.Yes	5078	5189	6385	6396	5528

Value	S2SLEEPR	S3SLEEPR	S4SLEEPR	S5SLEEPR	S6SLEEPR	S7SLEEPR
.D=DK/NA	8		2	1	9	6
.M=Oth missing		1	6	1		23
.R=RF	1	1	2	1	3	7
.S=Skip	1148	1111	1407	1410	1359	1203
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8528	8010	8428	7736	7581	8566
1.Yes	3403	2792	4133	3581	2687	3167

Value	S8SLEEPR	S9SLEEPR	S10SLEEPR	S11SLEEPR	S12SLEEPR
.D=DK/NA	2	4	7	12	11
.M=Oth missing	1		3	1	
.R=RF	4		1	5	1
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	7936	6928	9042	8171	7386
1.Yes	3000	3057	3643	3650	3044

Value	R1WHAPPX
1.All or almost all	4265
2.Most of the time	5747
3.Some of the time	2200
4.None or almost none	440

Value	S1WHAPPX
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	3510
2.Most of the time	4578
3.Some of the time	1551
4.None or almost none	261

Value	R2WHAPPY	R3WHAPPY	R4WHAPPY	R5WHAPPY	R6WHAPPY	R7WHAPPY
.D=DK/NA	39	16	7	12	28	47
.M=Oth missing		4	14	7		36
.R=RF	7	6	4	3	7	17
.S=Skip	1565	1640	2043	2062	2036	1802
0.No	2119	1825	2616	2211	2048	2397
1.Yes	15912	14500	16700	15284	14046	15830

Value	R8WHAPPY	R9WHAPPY	R10WHAPPY	R11WHAPPY	R12WHAPPY
.D=DK/NA	38	17	44	52	47
.M=Oth missing	3		3	1	
.R=RF	12	2	11	10	6
.S=Skip	1260	1140	1382	1146	1050
0.No	2324	2172	3068	2791	2537
1.Yes	14832	13886	17526	16554	15108

Value	S2WHAPPY	S3WHAPPY	S4WHAPPY	S5WHAPPY	S6WHAPPY	S7WHAPPY
.D=DK/NA	16	8	4	7	11	24
.M=Oth missing		4	6	1		23
.R=RF	4	2	3	1	3	10
.S=Skip	1148	1111	1407	1410	1359	1203
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	1141	991	1387	1184	1051	1284
1.Yes	10779	9799	11171	10127	9215	10428

Value	S8WHAPPY	S9WHAPPY	S10WHAPPY	S11WHAPPY	S12WHAPPY
.D=DK/NA	17	6	18	27	24
.M=Oth missing	1		3	1	
.R=RF	8		6	5	3
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	1181	1085	1530	1362	1195
1.Yes	9736	8898	11139	10444	9220

Value	R1FLONEX
1.All or almost all	249
2.Most of the time	358
3.Some of the time	2377
4.None or almost none	9668

Value	S1FLONEX
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	111
2.Most of the time	179
3.Some of the time	1530
4.None or almost none	8080

Value	R2FLONE	R3FLONE	R4FLONE	R5FLONE	R6FLONE	R7FLONE
.D=DK/NA	8	3	2	6	15	7
.M=Oth missing		2	14	6		36
.R=RF	4	4	3	2	6	13
.S=Skip	1565	1640	2043	2062	2036	1802
0.No	15235	13742	15864	14281	13182	15075
1.Yes	2830	2600	3458	3222	2926	3196

Value	R8FLONE	R9FLONE	R10FLONE	R11FLONE	R12FLONE
.D=DK/NA	14	11	14	16	18
.M=Oth missing	3		3	1	
.R=RF	9	2	4	8	3
.S=Skip	1260	1140	1382	1146	1050
0.No	14139	13479	17110	16013	14629
1.Yes	3044	2585	3521	3370	3048

Value	S2FLONE	S3FLONE	S4FLONE	S5FLONE	S6FLONE	S7FLONE
.D=DK/NA	4		1	3	9	3
.M=Oth missing		2	6	1		23
.R=RF	2	1	2	1	2	7
.S=Skip	1148	1111	1407	1410	1359	1203
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	10935	9819	11229	10106	9281	10543
1.Yes	999	982	1333	1209	988	1193

Value	S8FLONE	S9FLONE	S10FLONE	S11FLONE	S12FLONE
.D=DK/NA	4	4	4	4	4
.M=Oth missing	1		3	1	
.R=RF	6		2	4	
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9802	9090	11363	10606	9343
1.Yes	1130	895	1324	1224	1095

Value	R1FSADX
1.All or almost all	202
2.Most of the time	345
3.Some of the time	3752
4.None or almost none	8353

Value	S1FSADX
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	107
2.Most of the time	228
3.Some of the time	2770
4.None or almost none	6795

Value	R2FSAD	R3FSAD	R4FSAD	R5FSAD	R6FSAD	R7FSAD
.D=DK/NA	14	4	4	7	15	13
.M=Oth missing		4	15	6		36
.R=RF	8	3	4	2	7	13
.S=Skip	1565	1640	2043	2062	2036	1802
0.No	14936	13646	15415	13734	12693	14497
1.Yes	3119	2694	3903	3768	3414	3768

Value	R8FSAD	R9FSAD	R10FSAD	R11FSAD	R12FSAD
.D=DK/NA	21	15	16	24	29
.M=Oth missing	3		3	1	
.R=RF	8	1	5	10	5
.S=Skip	1260	1140	1382	1146	1050
0.No	13719	13155	16660	15559	14281
1.Yes	3458	2906	3968	3814	3383

Value	S2FSAD	S3FSAD	S4FSAD	S5FSAD	S6FSAD	S7FSAD
.D=DK/NA	7	2	2	2	9	6
.M=Oth missing		3	7	1		23
.R=RF	5	1	3	1	3	8
.S=Skip	1148	1111	1407	1410	1359	1203
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	10340	9392	10475	9311	8522	9779
1.Yes	1588	1406	2084	2005	1746	1953

Value	S8FSAD	S9FSAD	S10FSAD	S11FSAD	S12FSAD
.D=DK/NA	8	8	5	14	12
.M=Oth missing	1		3	1	
.R=RF	6		1	5	1
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9189	8573	10745	9989	8822
1.Yes	1739	1408	1942	1830	1607

Value	R1GOINGX
1.All or almost all	412
2.Most of the time	640
3.Some of the time	4037
4.None or almost none	7563

Value	S1GOINGX
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	286
2.Most of the time	441
3.Some of the time	3129
4.None or almost none	6044

Value	R2GOING	R3GOING	R4GOING	R5GOING	R6GOING	R7GOING
.D=DK/NA	28	10	11	7	18	30
.M=Oth missing		1	16	7		36
.R=RF	5	5	4	2	8	14
.S=Skip	1565	1640	2043	2062	2036	1802
0.No	14202	13174	14796	13610	12405	14371
1.Yes	3842	3161	4514	3891	3698	3876

Value	R8GOING	R9GOING	R10GOING	R11GOING	R12GOING
.D=DK/NA	30	24	63	77	66
.M=Oth missing	3		3	1	
.R=RF	9	2	10	9	5
.S=Skip	1260	1140	1382	1146	1050
0.No	13463	12797	16284	15318	14011
1.Yes	3704	3254	4292	4003	3616

Value	S2GOING	S3GOING	S4GOING	S5GOING	S6GOING	S7GOING
.D=DK/NA	12	5	6	3	11	17
.M=Oth missing		1	8	1		23
.R=RF	1	2	3	1	4	9
.S=Skip	1148	1111	1407	1410	1359	1203
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	9772	8987	9879	9045	8198	9566
1.Yes	2155	1809	2675	2270	2067	2154

Value	S8GOING	S9GOING	S10GOING	S11GOING	S12GOING
.D=DK/NA	10	14	27	44	36
.M=Oth missing	1		3	1	
.R=RF	6	1	4	6	2
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	8915	8211	10316	9679	8536
1.Yes	2011	1763	2346	2109	1868

Value	R1ENLIFX
1.All or almost all	6680
2.Most of the time	4359
3.Some of the time	1307
4.None or almost none	306

Value	S1ENLIFX
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	5372
2.Most of the time	3433
3.Some of the time	913
4.None or almost none	182

Value	R2ENLIFE	R3ENLIFE	R4ENLIFE	R5ENLIFE	R6ENLIFE	R7ENLIFE
.D=DK/NA	39	13	12	10	21	23
.M=Oth missing		3	15	7		36
.R=RF	4	6	4	4	7	14
.S=Skip	1565	1640	2043	2062	2036	1802
0.No	1359	1131	1595	1386	1174	1460
1.Yes	16675	15198	17715	16110	14927	16794

Value	R8ENLIFE	R9ENLIFE	R10ENLIFE	R11ENLIFE	R12ENLIFE
.D=DK/NA	21	25	22	45	26
.M=Oth missing	3		3	1	
.R=RF	11	3	10	12	3
.S=Skip	1260	1140	1382	1146	1050
0.No	1434	1390	1920	1769	1688
1.Yes	15740	14659	18697	17581	15981

Value	S2ENLIFE	S3ENLIFE	S4ENLIFE	S5ENLIFE	S6ENLIFE	S7ENLIFE
.D=DK/NA	15	7	5	2	8	11
.M=Oth missing		2	7	1		23
.R=RF	3	1	3	2	2	8
.S=Skip	1148	1111	1407	1410	1359	1203
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	731	628	861	749	586	754
1.Yes	11191	10166	11695	10566	9684	10973

Value	S8ENLIFE	S9ENLIFE	S10ENLIFE	S11ENLIFE	S12ENLIFE
.D=DK/NA	10	10	5	16	7
.M=Oth missing	1		3	1	
.R=RF	7		1	7	
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	721	672	935	833	771
1.Yes	10204	9307	11752	10982	9664

How Constructed

RwDEPRES, RwEFFORT, RwSLEEPR, RwFLONE, RwFSAD, RwGOING, RwWHAPPY, and RwENLIFE are yes/no indicators of the Respondent's feelings much of the time over the week prior to the interview. RwCESD is a summary of these measures. RwCESDM indicates how many individual measures used to derive RwCESD are missing.

SwDEPRES, SwEFFORT, SwSLEEPR, SwFLONE, SwFSAD, SwGOING, SwWHAPPY, SwENLIFE, SwCESD, and SwCESDM are this information for the Respondent's spouse or partner.

To make consistent measures across waves, yes/no dummy variables were derived. In all except Wave 1, the question has a "yes" or "no" response to whether the Respondent felt a certain way "much of the time." For Wave 1, the response could be one of four categories: "all or almost all of the time," "most of the time," "some of the time," or "none or almost none of the time." The measures in this wave are not recoded to 0/1 (no/yes), but are recoded to the 4-point scale. These measures were imputed by HRS if missing in Wave 1, and the imputations were used. Because the Wave 1 variables are very different from those in other waves, the variables are named differently, i.e., they are R1DEPREX, R1EFFORX, R1SLEEPX, R1FLONEX, R1FSADX, R1GOINGX, R1WHAPPX, and R1ENLIFX. The spouse measures are called S1DEPREX, S1EFFORX, S1SLEEPX, S1FLONEX, S1FSADX, S1GOINGX, S1WHAPPX, and S1ENLIFX.

It appears "much of the time" in later waves is somewhere between "some" and "most" of the time in Wave 1. Another variable in the HRS (but not on this file) rates overall emotional health, and is asked in Waves 1 and 2H. A possible means for making these measures more consistent between Wave 1 and the rest of the waves is to use those who gave the same emotional health in both Waves 1 and 2H, comparing their answers of some and yes by level of emotional health.

RwCESD is the sum of RwDEPRES, RwEFFORT, RwSLEEPR, RwFLONE, RwFSAD, RwGOING, (1-RwWHAPPY) and (1-RwENLIFE). Thus the higher the score, the more negative the Respondent's feelings in the past week. RwCESDM counts the number of missing values among the individual measures. In Wave 1 the R1CESD summary measure is not included; R1CESDM counts the number of imputed values used among the Wave 1 measures.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3CESD is taken from the Wave 3 spouse's R3CESD.

Cross Wave Differences in Original HRS Data

In each wave questions ask about the Respondent's feelings in the past week. The wording of the questions varies slightly across waves.

In Wave 1, the questions begin:

"Please tell me how often you have experienced the following feelings during the past week-all or almost all of the time, most of the time, some of the time, or none or almost none of the time. During the past week..."

A series of statements follow and the Respondent answers with one of the four frequencies listed in the question.

Beginning in Wave 2, the questions start:

"Now think about the past week and the feelings you have experienced. Please tell me if each of the following was true for you much of the time this past week. Much of the time during the past week ..."

A series of statements follow to which the Respondent can answer "yes" or "no." Note that the responses given in Wave 1 are very different and not very comparable to those given in later waves.

The statements are similar across waves. They state that the Respondent felt depressed, felt that everything he/she did was an effort, sleep was restless, could not get going, felt lonely, enjoyed life, felt sad, and was happy.

HRS Variables Used

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HRS 1992:
    V10519          B44A:DEPRESSION     :IND
    V10520          B44B:EVERYTHING TIRI:IND
    V10521          B44C:RESTLESS SLEEP :IND
    V10522          B44D:HAPPINESS      :IND
    V10523          B44E:LONLINESS      :IND
    V10525          B44G:ENJOYED LIFE   :IND
    V10526          B44H:SADNESS        :IND
    V10528          B44K:CAN'T  GET GOIN:IND
    V519            B44A:DEPRESSION     :IMP
    V520            B44B:EVERYTHING TIRI:IMP
    V521            B44C:RESTLESS SLEEP :IMP
    V522            B44D:HAPPINESS      :IMP
    V523            B44E:LONLINESS      :IMP
    V525            B44G:ENJOYED LIFE   :IMP
    V526            B44H:SADNESS        :IMP
    V528            B44K:CAN T  GET GOIN:IMP
AHEAD 1993:
    B307            B24. CESD DEPRESSED PAST WEEK
    B309            B24a. CESD EFFORT PAST WEEK
    B310            B24b. CESD SLEEP PAST WEEK
    B311            B24c. CESD HAPPY PAST WEEK
    B312            B24d. CESD LONELY PAST WEEK
    B314            B24f. CESD ENJOY LIFE PAST WEEK
    B315            B24g. CESD SAD PAST WEEK
    B316            B24h. CESD NOT GET GOING PAST WEEK
HRS 1994:
    W465            B46a.FELT DEPRESSED
    W466            B46b.EVERYTHING AN EFFOR
    W467            B46c.SLEEP RESTLESS
    W468            B46d.COULD NOT GET GOING
    W469            B46e.FELT LONELY
    W470            B46f.ENJOY LIFE
    W471            B46g.FELT SAD
    W472            B46h.HAPPY
AHEAD 1995:
    D1001           B24H. CESD GOING
    D985            B24. CESD DEPRESSED
    D987            B24A. CESD EFFORT
    D989            B24B. CESD SLEEP
    D991            B24C. CESD HAPPY
    D993            B24D. CESD LONELY
    D995            B24E. CESD ENJOY LIFE
    D999            B24G. CESD SAD
HRS 1996:
    E985            B24. CESD DEPRESSED
    E986            B24A. CESD EFFORT
    E987            B24B. CESD SLEEP
    E988            B24C. CESD HAPPY
    E989            B24D. CESD LONELY
    E990            B24E. CESD ENJOY LIFE
    E991            B24G. CESD SAD
    E992            B24H. CESD GOING
HRS 1998:
    F1493           C5.  CESD DEPRESSED
    F1494           C5A.  CESD EFFORT
    F1495           C5B.  CESD SLEEP
    F1496           C5C.  CESD HAPPY
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    F1497           C5D.  CESD LONELY
    F1498           C5E.  CESD ENJOY LIFE
    F1499           C5G.  CESD SAD
    F1500           CFH.  CESD GOING
HRS 2000:
    G1669           C5.  CESD DEPRESSED
    G1670           C5A.  CESD EFFORT
    G1671           C5B.  CESD SLEEP
    G1672           C5C.  CESD HAPPY
    G1673           C5D.  CESD LONELY
    G1674           C5E.  CESD ENJOY LIFE
    G1675           C5G.  CESD SAD
    G1676           CFH.  CESD GOING
HRS 2002:
    HD110           FEELING DEPRESSED W/IN PREV WK
    HD111           FELT ACTIVITIES WERE EFFORTS
    HD112           WAS SLEEP RESTLESS W/IN PREV WK
    HD113           WAS R HAPPY W/IN PREV WK
    HD114           LONELINESS FELT W/IN PREV WK
    HD115           ENJOYED LIFE W/IN PREV WK
    HD116           FELT SAD W/IN PREV WK
    HD117           FELT UNMOTIVATED W/IN PREV WK
HRS 2004:
    JD110           FEELING DEPRESSED W/IN PREV WK
    JD111           FELT ACTIVITIES WERE EFFORTS
    JD112           WAS SLEEP RESTLESS W/IN PREV WK
    JD113           WAS R HAPPY W/IN PREV WK
    JD114           LONELINESS FELT W/IN PREV WK
    JD115           ENJOYED LIFE W/IN PREV WK
    JD116           FELT SAD W/IN PREV WK
    JD117           FELT UNMOTIVATED W/IN PREV WK
HRS 2006:
    KD110           FEELING DEPRESSED W/IN PREV WK
    KD111           FELT ACTIVITIES WERE EFFORTS
    KD112           WAS SLEEP RESTLESS W/IN PREV WK
    KD113           WAS R HAPPY W/IN PREV WK
    KD114           LONELINESS FELT W/IN PREV WK
    KD115           ENJOYED LIFE W/IN PREV WK
    KD116           FELT SAD W/IN PREV WK
    KD117           FELT UNMOTIVATED W/IN PREV WK
HRS 2008:
    LD110           FEELING DEPRESSED W/IN PREV WK
    LD111           FELT ACTIVITIES WERE EFFORTS
    LD112           WAS SLEEP RESTLESS W/IN PREV WK
    LD113           WAS R HAPPY W/IN PREV WK
    LD114           LONELINESS FELT W/IN PREV WK
    LD115           ENJOYED LIFE W/IN PREV WK
    LD116           FELT SAD W/IN PREV WK
    LD117           FELT UNMOTIVATED W/IN PREV WK
HRS 2010:
    MD110           FEELING DEPRESSED W/IN PREV WK
    MD111           FELT ACTIVITIES WERE EFFORTS
    MD112           WAS SLEEP RESTLESS W/IN PREV WK
    MD113           WAS R HAPPY W/IN PREV WK
    MD114           LONELINESS FELT W/IN PREV WK
    MD115           ENJOYED LIFE W/IN PREV WK
    MD116           FELT SAD W/IN PREV WK
    MD117           FELT UNMOTIVATED W/IN PREV WK
HRS 2012:
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    ND110           FEELING DEPRESSED W/IN PREV WK
    ND111           FELT ACTIVITIES WERE EFFORTS
    ND112           WAS SLEEP RESTLESS W/IN PREV WK
    ND113           WAS R HAPPY W/IN PREV WK
    ND114           LONELINESS FELT W/IN PREV WK
    ND115           ENJOYED LIFE W/IN PREV WK
    ND116           FELT SAD W/IN PREV WK
    ND117           FELT UNMOTIVATED W/IN PREV WK
HRS 2014:
    OD110           FEELING DEPRESSED W/IN PREV WK
    OD111           FELT ACTIVITIES WERE EFFORTS
    OD112           WAS SLEEP RESTLESS W/IN PREV WK
    OD113           WAS R HAPPY W/IN PREV WK
    OD114           LONELINESS FELT W/IN PREV WK
    OD115           ENJOYED LIFE W/IN PREV WK
    OD116           FELT SAD W/IN PREV WK
    OD117           FELT UNMOTIVATED W/IN PREV WK
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Doctor diagnosed health problems: Raw Recodes and Question Wording

Wave	Variable	Label	Type
1	R1HIBP	R1HIBP:W1 R reports high BP this wv	Categ
2	R2HIBP	R2HIBP:W2 R reports high BP this wv	Categ
3	R3HIBP	R3HIBP:W3 R reports high BP this wv	Categ
4	R4HIBP	R4HIBP:W4 R reports high BP this wv	Categ
5	R5HIBP	R5HIBP:W5 R reports high BP this wv	Categ
6	R6HIBP	R6HIBP:W6 R reports high BP this wv	Categ
7	R7HIBP	R7HIBP:W7 R reports high BP this wv	Categ
8	R8HIBP	R8HIBP:W8 R reports high BP this wv	Categ
9	R9HIBP	R9HIBP:W9 R reports high BP this wv	Categ
10	R10HIBP	R10HIBP:W10 R reports high BP this wv	Categ
11	R11HIBP	R11HIBP:W11 R reports high BP this wv	Categ
12	R12HIBP	R12HIBP:W12 R reports high BP this wv	Categ
1	S1HIBP	S1HIBP:W1 S reports high BP this wv	Categ
2	S2HIBP	S2HIBP:W2 S reports high BP this wv	Categ
3	S3HIBP	S3HIBP:W3 S reports high BP this wv	Categ
4	S4HIBP	S4HIBP:W4 S reports high BP this wv	Categ
5	S5HIBP	S5HIBP:W5 S reports high BP this wv	Categ
6	S6HIBP	S6HIBP:W6 S reports high BP this wv	Categ
7	S7HIBP	S7HIBP:W7 S reports high BP this wv	Categ
8	S8HIBP	S8HIBP:W8 S reports high BP this wv	Categ
9	S9HIBP	S9HIBP:W9 S reports high BP this wv	Categ
10	S10HIBP	S10HIBP:W10 S reports high BP this wv	Categ
11	S11HIBP	S11HIBP:W11 S reports high BP this wv	Categ
12	S12HIBP	S12HIBP:W12 S reports high BP this wv	Categ
1	R1HIBPQ	R1HIBPQ:W1 Q-wording high BP this wv	Categ
2	R2HIBPQ	R2HIBPQ:W2 Q-wording high BP this wv	Categ
3	R3HIBPQ	R3HIBPQ:W3 Q-wording high BP this wv	Categ
4	R4HIBPQ	R4HIBPQ:W4 Q-wording high BP this wv	Categ
5	R5HIBPQ	R5HIBPQ:W5 Q-wording high BP this wv	Categ
6	R6HIBPQ	R6HIBPQ:W6 Q-wording high BP this wv	Categ
7	R7HIBPQ	R7HIBPQ:W7 Q-wording high BP this wv	Categ
8	R8HIBPQ	R8HIBPQ:W8 Q-wording high BP this wv	Categ
9	R9HIBPQ	R9HIBPQ:W9 Q-wording high BP this wv	Categ
10	R10HIBPQ	R10HIBPQ:W10 Q-wording high BP this wv	Categ
11	R11HIBPQ	R11HIBPQ:W11 Q-wording high BP this wv	Categ
12	R12HIBPQ	R12HIBPQ:W12 Q-wording high BP this wv	Categ
1	S1HIBPQ	S1HIBPQ:W1 Q-wording high BP this wv	Categ
2	S2HIBPQ	S2HIBPQ:W2 Q-wording high BP this wv	Categ
3	S3HIBPQ	S3HIBPQ:W3 Q-wording high BP this wv	Categ
4	S4HIBPQ	S4HIBPQ:W4 Q-wording high BP this wv	Categ
5	S5HIBPQ	S5HIBPQ:W5 Q-wording high BP this wv	Categ
6	S6HIBPQ	S6HIBPQ:W6 Q-wording high BP this wv	Categ
7	S7HIBPQ	S7HIBPQ:W7 Q-wording high BP this wv	Categ
8	S8HIBPQ	S8HIBPQ:W8 Q-wording high BP this wv	Categ
9	S9HIBPQ	S9HIBPQ:W9 Q-wording high BP this wv	Categ
10	S10HIBPQ	S10HIBPQ:W10 Q-wording high BP this wv	Categ
11	S11HIBPQ	S11HIBPQ:W11 Q-wording high BP this wv	Categ
12	S12HIBPQ	S12HIBPQ:W12 Q-wording high BP this wv	Categ
1	R1DIAB	R1DIAB:W1 R reports diabetes this wv	Categ
2	R2DIAB	R2DIAB:W2 R reports diabetes this wv	Categ
3	R3DIAB	R3DIAB:W3 R reports diabetes this wv	Categ
4	R4DIAB	R4DIAB:W4 R reports diabetes this wv	Categ
5	R5DIAB	R5DIAB:W5 R reports diabetes this wv	Categ
6	R6DIAB	R6DIAB:W6 R reports diabetes this wv	Categ
7	R7DIAB	R7DIAB:W7 R reports diabetes this wv	Categ
8	R8DIAB	R8DIAB:W8 R reports diabetes this wv	Categ
9	R9DIAB	R9DIAB:W9 R reports diabetes this wv	Categ
10	R10DIAB	R10DIAB:W10 R reports diabetes this wv	Categ
11	R11DIAB	R11DIAB:W11 R reports diabetes this wv	Categ
12	R12DIAB	R12DIAB:W12 R reports diabetes this wv	Categ
1	S1DIAB	S1DIAB:W1 S reports diabetes this wv	Categ

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 2    S2DIAB              S2DIAB:W2 S reports diabetes this wv                          Categ
 3    S3DIAB              S3DIAB:W3 S reports diabetes this wv                          Categ
 4    S4DIAB              S4DIAB:W4 S reports diabetes this wv                          Categ
 5    S5DIAB              S5DIAB:W5 S reports diabetes this wv                          Categ
 6    S6DIAB              S6DIAB:W6 S reports diabetes this wv                          Categ
 7    S7DIAB              S7DIAB:W7 S reports diabetes this wv                          Categ
 8    S8DIAB              S8DIAB:W8 S reports diabetes this wv                          Categ
 9    S9DIAB              S9DIAB:W9 S reports diabetes this wv                          Categ
10    S10DIAB             S10DIAB:W10 S reports diabetes this wv                        Categ
11    S11DIAB             S11DIAB:W11 S reports diabetes this wv                        Categ
12    S12DIAB             S12DIAB:W12 S reports diabetes this wv                        Categ

 1    R1DIABQ             R1DIABQ:W1 Q-wording diabetes this wv                         Categ
 2    R2DIABQ             R2DIABQ:W2 Q-wording diabetes this wv                         Categ
 3    R3DIABQ             R3DIABQ:W3 Q-wording diabetes this wv                         Categ
 4    R4DIABQ             R4DIABQ:W4 Q-wording diabetes this wv                         Categ
 5    R5DIABQ             R5DIABQ:W5 Q-wording diabetes this wv                         Categ
 6    R6DIABQ             R6DIABQ:W6 Q-wording diabetes this wv                         Categ
 7    R7DIABQ             R7DIABQ:W7 Q-wording diabetes this wv                         Categ
 8    R8DIABQ             R8DIABQ:W8 Q-wording diabetes this wv                         Categ
 9    R9DIABQ             R9DIABQ:W9 Q-wording diabetes this wv                         Categ
10    R10DIABQ            R10DIABQ:W10 Q-wording diabetes this wv                       Categ
11    R11DIABQ            R11DIABQ:W11 Q-wording diabetes this wv                       Categ
12    R12DIABQ            R12DIABQ:W12 Q-wording diabetes this wv                       Categ

 1    S1DIABQ             S1DIABQ:W1 Q-wording diabetes this wv                         Categ
 2    S2DIABQ             S2DIABQ:W2 Q-wording diabetes this wv                         Categ
 3    S3DIABQ             S3DIABQ:W3 Q-wording diabetes this wv                         Categ
 4    S4DIABQ             S4DIABQ:W4 Q-wording diabetes this wv                         Categ
 5    S5DIABQ             S5DIABQ:W5 Q-wording diabetes this wv                         Categ
 6    S6DIABQ             S6DIABQ:W6 Q-wording diabetes this wv                         Categ
 7    S7DIABQ             S7DIABQ:W7 Q-wording diabetes this wv                         Categ
 8    S8DIABQ             S8DIABQ:W8 Q-wording diabetes this wv                         Categ
 9    S9DIABQ             S9DIABQ:W9 Q-wording diabetes this wv                         Categ
10    S10DIABQ            S10DIABQ:W10 Q-wording diabetes this wv                       Categ
11    S11DIABQ            S11DIABQ:W11 Q-wording diabetes this wv                       Categ
12    S12DIABQ            S12DIABQ:W12 Q-wording diabetes this wv                       Categ

 1    R1CANCR             R1CANCR:W1 R reports cancer this wv                           Categ
 2    R2CANCR             R2CANCR:W2 R reports cancer this wv                           Categ
 3    R3CANCR             R3CANCR:W3 R reports cancer this wv                           Categ
 4    R4CANCR             R4CANCR:W4 R reports cancer this wv                           Categ
 5    R5CANCR             R5CANCR:W5 R reports cancer this wv                           Categ
 6    R6CANCR             R6CANCR:W6 R reports cancer this wv                           Categ
 7    R7CANCR             R7CANCR:W7 R reports cancer this wv                           Categ
 8    R8CANCR             R8CANCR:W8 R reports cancer this wv                           Categ
 9    R9CANCR             R9CANCR:W9 R reports cancer this wv                           Categ
10    R10CANCR            R10CANCR:W10 R reports cancer this wv                         Categ
11    R11CANCR            R11CANCR:W11 R reports cancer this wv                         Categ
12    R12CANCR            R12CANCR:W12 R reports cancer this wv                         Categ

 1    S1CANCR             S1CANCR:W1 S reports cancer this wv                           Categ
 2    S2CANCR             S2CANCR:W2 S reports cancer this wv                           Categ
 3    S3CANCR             S3CANCR:W3 S reports cancer this wv                           Categ
 4    S4CANCR             S4CANCR:W4 S reports cancer this wv                           Categ
 5    S5CANCR             S5CANCR:W5 S reports cancer this wv                           Categ
 6    S6CANCR             S6CANCR:W6 S reports cancer this wv                           Categ
 7    S7CANCR             S7CANCR:W7 S reports cancer this wv                           Categ
 8    S8CANCR             S8CANCR:W8 S reports cancer this wv                           Categ
 9    S9CANCR             S9CANCR:W9 S reports cancer this wv                           Categ
10    S10CANCR            S10CANCR:W10 S reports cancer this wv                         Categ
11    S11CANCR            S11CANCR:W11 S reports cancer this wv                         Categ
12    S12CANCR            S12CANCR:W12 S reports cancer this wv                         Categ

 1    R1CANCRQ            R1CANCRQ:W1 Q-wording cancer this wv                          Categ
 2    R2CANCRQ            R2CANCRQ:W2 Q-wording cancer this wv                          Categ
 3    R3CANCRQ            R3CANCRQ:W3 Q-wording cancer this wv                          Categ
 4    R4CANCRQ            R4CANCRQ:W4 Q-wording cancer this wv                          Categ
 5    R5CANCRQ            R5CANCRQ:W5 Q-wording cancer this wv                          Categ
 6    R6CANCRQ            R6CANCRQ:W6 Q-wording cancer this wv                          Categ
 7    R7CANCRQ            R7CANCRQ:W7 Q-wording cancer this wv                          Categ
 8    R8CANCRQ            R8CANCRQ:W8 Q-wording cancer this wv                          Categ
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9	R9CANCRQ	R9CANCRQ:W9 Q-wording cancer this wv	Categ
10	R10CANCRQ	R10CANCRQ:W10 Q-wording cancer this wv	Categ
11	R11CANCRQ	R11CANCRQ:W11 Q-wording cancer this wv	Categ
12	R12CANCRQ	R12CANCRQ:W12 Q-wording cancer this wv	Categ
1	S1CANCRQ	S1CANCRQ:W1 Q-wording cancer this wv	Categ
2	S2CANCRQ	S2CANCRQ:W2 Q-wording cancer this wv	Categ
3	S3CANCRQ	S3CANCRQ:W3 Q-wording cancer this wv	Categ
4	S4CANCRQ	S4CANCRQ:W4 Q-wording cancer this wv	Categ
5	S5CANCRQ	S5CANCRQ:W5 Q-wording cancer this wv	Categ
6	S6CANCRQ	S6CANCRQ:W6 Q-wording cancer this wv	Categ
7	S7CANCRQ	S7CANCRQ:W7 Q-wording cancer this wv	Categ
8	S8CANCRQ	S8CANCRQ:W8 Q-wording cancer this wv	Categ
9	S9CANCRQ	S9CANCRQ:W9 Q-wording cancer this wv	Categ
10	S10CANCRQ	S10CANCRQ:W10 Q-wording cancer this wv	Categ
11	S11CANCRQ	S11CANCRQ:W11 Q-wording cancer this wv	Categ
12	S12CANCRQ	S12CANCRQ:W12 Q-wording cancer this wv	Categ
1	R1LUNG	R1LUNG:W1 R reports lung disease this wv	Categ
2	R2LUNG	R2LUNG:W2 R reports lung disease this wv	Categ
3	R3LUNG	R3LUNG:W3 R reports lung disease this wv	Categ
4	R4LUNG	R4LUNG:W4 R reports lung disease this wv	Categ
5	R5LUNG	R5LUNG:W5 R reports lung disease this wv	Categ
6	R6LUNG	R6LUNG:W6 R reports lung disease this wv	Categ
7	R7LUNG	R7LUNG:W7 R reports lung disease this wv	Categ
8	R8LUNG	R8LUNG:W8 R reports lung disease this wv	Categ
9	R9LUNG	R9LUNG:W9 R reports lung disease this wv	Categ
10	R10LUNG	R10LUNG:W10 R reports lung disease this wv	Categ
11	R11LUNG	R11LUNG:W11 R reports lung disease this wv	Categ
12	R12LUNG	R12LUNG:W12 R reports lung disease this wv	Categ
1	S1LUNG	S1LUNG:W1 S reports lung disease this wv	Categ
2	S2LUNG	S2LUNG:W2 S reports lung disease this wv	Categ
3	S3LUNG	S3LUNG:W3 S reports lung disease this wv	Categ
4	S4LUNG	S4LUNG:W4 S reports lung disease this wv	Categ
5	S5LUNG	S5LUNG:W5 S reports lung disease this wv	Categ
6	S6LUNG	S6LUNG:W6 S reports lung disease this wv	Categ
7	S7LUNG	S7LUNG:W7 S reports lung disease this wv	Categ
8	S8LUNG	S8LUNG:W8 S reports lung disease this wv	Categ
9	S9LUNG	S9LUNG:W9 S reports lung disease this wv	Categ
10	S10LUNG	S10LUNG:W10 S reports lung disease this wv	Categ
11	S11LUNG	S11LUNG:W11 S reports lung disease this wv	Categ
12	S12LUNG	S12LUNG:W12 S reports lung disease this wv	Categ
1	R1LUNGQ	R1LUNGQ:W1 Q-wording lung disease this wv	Categ
2	R2LUNGQ	R2LUNGQ:W2 Q-wording lung disease this wv	Categ
3	R3LUNGQ	R3LUNGQ:W3 Q-wording lung disease this wv	Categ
4	R4LUNGQ	R4LUNGQ:W4 Q-wording lung disease this wv	Categ
5	R5LUNGQ	R5LUNGQ:W5 Q-wording lung disease this wv	Categ
6	R6LUNGQ	R6LUNGQ:W6 Q-wording lung disease this wv	Categ
7	R7LUNGQ	R7LUNGQ:W7 Q-wording lung disease this wv	Categ
8	R8LUNGQ	R8LUNGQ:W8 Q-wording lung disease this wv	Categ
9	R9LUNGQ	R9LUNGQ:W9 Q-wording lung disease this wv	Categ
10	R10LUNGQ	R10LUNGQ:W10 Q-wording lung disease this wv	Categ
11	R11LUNGQ	R11LUNGQ:W11 Q-wording lung disease this wv	Categ
12	R12LUNGQ	R12LUNGQ:W12 Q-wording lung disease this wv	Categ
1	S1LUNGQ	S1LUNGQ:W1 Q-wording lung disease this wv	Categ
2	S2LUNGQ	S2LUNGQ:W2 Q-wording lung disease this wv	Categ
3	S3LUNGQ	S3LUNGQ:W3 Q-wording lung disease this wv	Categ
4	S4LUNGQ	S4LUNGQ:W4 Q-wording lung disease this wv	Categ
5	S5LUNGQ	S5LUNGQ:W5 Q-wording lung disease this wv	Categ
6	S6LUNGQ	S6LUNGQ:W6 Q-wording lung disease this wv	Categ
7	S7LUNGQ	S7LUNGQ:W7 Q-wording lung disease this wv	Categ
8	S8LUNGQ	S8LUNGQ:W8 Q-wording lung disease this wv	Categ
9	S9LUNGQ	S9LUNGQ:W9 Q-wording lung disease this wv	Categ
10	S10LUNGQ	S10LUNGQ:W10 Q-wording lung disease this wv	Categ
11	S11LUNGQ	S11LUNGQ:W11 Q-wording lung disease this wv	Categ
12	S12LUNGQ	S12LUNGQ:W12 Q-wording lung disease this wv	Categ
1	R1HEART	R1HEART:W1 R reports heart prob this wv	Categ
2	R2HEART	R2HEART:W2 R reports heart prob this wv	Categ

3	R3HEART	R3HEART:W3 R reports heart prob this wv	Categ
4	R4HEART	R4HEART:W4 R reports heart prob this wv	Categ
5	R5HEART	R5HEART:W5 R reports heart prob this wv	Categ
6	R6HEART	R6HEART:W6 R reports heart prob this wv	Categ
7	R7HEART	R7HEART:W7 R reports heart prob this wv	Categ
8	R8HEART	R8HEART:W8 R reports heart prob this wv	Categ
9	R9HEART	R9HEART:W9 R reports heart prob this wv	Categ
10	R10HEART	R10HEART:W10 R reports heart prob this wv	Categ
11	R11HEART	R11HEART:W11 R reports heart prob this wv	Categ
12	R12HEART	R12HEART:W12 R reports heart prob this wv	Categ
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2	S2HEART	S2HEART:W2 S reports heart prob this wv	Categ
3	S3HEART	S3HEART:W3 S reports heart prob this wv	Categ
4	S4HEART	S4HEART:W4 S reports heart prob this wv	Categ
5	S5HEART	S5HEART:W5 S reports heart prob this wv	Categ
6	S6HEART	S6HEART:W6 S reports heart prob this wv	Categ
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8	S8HEART	S8HEART:W8 S reports heart prob this wv	Categ
9	S9HEART	S9HEART:W9 S reports heart prob this wv	Categ
10	S10HEART	S10HEART:W10 S reports heart prob this wv	Categ
11	S11HEART	S11HEART:W11 S reports heart prob this wv	Categ
12	S12HEART	S12HEART:W12 S reports heart prob this wv	Categ
1	R1HEARTQ	R1HEARTQ:W1 Q-wording heart prob this wv	Categ
2	R2HEARTQ	R2HEARTQ:W2 Q-wording heart prob this wv	Categ
3	R3HEARTQ	R3HEARTQ:W3 Q-wording heart prob this wv	Categ
4	R4HEARTQ	R4HEARTQ:W4 Q-wording heart prob this wv	Categ
5	R5HEARTQ	R5HEARTQ:W5 Q-wording heart prob this wv	Categ
6	R6HEARTQ	R6HEARTQ:W6 Q-wording heart prob this wv	Categ
7	R7HEARTQ	R7HEARTQ:W7 Q-wording heart prob this wv	Categ
8	R8HEARTQ	R8HEARTQ:W8 Q-wording heart prob this wv	Categ
9	R9HEARTQ	R9HEARTQ:W9 Q-wording heart prob this wv	Categ
10	R10HEARTQ	R10HEARTQ:W10 Q-wording heart prob this wv	Categ
11	R11HEARTQ	R11HEARTQ:W11 Q-wording heart prob this wv	Categ
12	R12HEARTQ	R12HEARTQ:W12 Q-wording heart prob this wv	Categ
1	S1HEARTQ	S1HEARTQ:W1 Q-wording heart prob this wv	Categ
2	S2HEARTQ	S2HEARTQ:W2 Q-wording heart prob this wv	Categ
3	S3HEARTQ	S3HEARTQ:W3 Q-wording heart prob this wv	Categ
4	S4HEARTQ	S4HEARTQ:W4 Q-wording heart prob this wv	Categ
5	S5HEARTQ	S5HEARTQ:W5 Q-wording heart prob this wv	Categ
6	S6HEARTQ	S6HEARTQ:W6 Q-wording heart prob this wv	Categ
7	S7HEARTQ	S7HEARTQ:W7 Q-wording heart prob this wv	Categ
8	S8HEARTQ	S8HEARTQ:W8 Q-wording heart prob this wv	Categ
9	S9HEARTQ	S9HEARTQ:W9 Q-wording heart prob this wv	Categ
10	S10HEARTQ	S10HEARTQ:W10 Q-wording heart prob this wv	Categ
11	S11HEARTQ	S11HEARTQ:W11 Q-wording heart prob this wv	Categ
12	S12HEARTQ	S12HEARTQ:W12 Q-wording heart prob this wv	Categ
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2	R2STROK	R2STROK:W2 R reports stroke this wv	Categ
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4	R4STROK	R4STROK:W4 R reports stroke this wv	Categ
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3	R3STROKQ	R3STROKQ:W3 Q-wording stroke this wv	Categ
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3	S3STROKQ	S3STROKQ:W3 Q-wording stroke this wv	Categ
4	S4STROKQ	S4STROKQ:W4 Q-wording stroke this wv	Categ
5	S5STROKQ	S5STROKQ:W5 Q-wording stroke this wv	Categ
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12	S12PSYCH	S12PSYCH:W12 S reports psych prob this wv	Categ
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4	R4PSYCHQ	R4PSYCHQ:W4 Q-wording psych prob this wv	Categ
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6	R6PSYCHQ	R6PSYCHQ:W6 Q-wording psych prob this wv	Categ
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8	R8PSYCHQ	R8PSYCHQ:W8 Q-wording psych prob this wv	Categ
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10	R10PSYCHQ	R10PSYCHQ:W10 Q-wording psych prob this wv	Categ
11	R11PSYCHQ	R11PSYCHQ:W11 Q-wording psych prob this wv	Categ
12	R12PSYCHQ	R12PSYCHQ:W12 Q-wording psych prob this wv	Categ
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2	S2PSYCHQ	S2PSYCHQ:W2 Q-wording psych prob this wv	Categ
3	S3PSYCHQ	S3PSYCHQ:W3 Q-wording psych prob this wv	Categ

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5	S5PSYCHQ	S5PSYCHQ:W5 Q-wording psych prob this wv	Categ
6	S6PSYCHQ	S6PSYCHQ:W6 Q-wording psych prob this wv	Categ
7	S7PSYCHQ	S7PSYCHQ:W7 Q-wording psych prob this wv	Categ
8	S8PSYCHQ	S8PSYCHQ:W8 Q-wording psych prob this wv	Categ
9	S9PSYCHQ	S9PSYCHQ:W9 Q-wording psych prob this wv	Categ
10	S10PSYCHQ	S10PSYCHQ:W10 Q-wording psych prob this wv	Categ
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12	S12PSYCHQ	S12PSYCHQ:W12 Q-wording psych prob this wv	Categ
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2	R2ARTHR	R2ARTHR:W2 R reports arthritis this wv	Categ
3	R3ARTHR	R3ARTHR:W3 R reports arthritis this wv	Categ
4	R4ARTHR	R4ARTHR:W4 R reports arthritis this wv	Categ
5	R5ARTHR	R5ARTHR:W5 R reports arthritis this wv	Categ
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8	R8ARTHR	R8ARTHR:W8 R reports arthritis this wv	Categ
9	R9ARTHR	R9ARTHR:W9 R reports arthritis this wv	Categ
10	R10ARTHR	R10ARTHR:W10 R reports arthritis this wv	Categ
11	R11ARTHR	R11ARTHR:W11 R reports arthritis this wv	Categ
12	R12ARTHR	R12ARTHR:W12 R reports arthritis this wv	Categ
1	S1ARTHR	S1ARTHR:W1 S reports arthritis this wv	Categ
2	S2ARTHR	S2ARTHR:W2 S reports arthritis this wv	Categ
3	S3ARTHR	S3ARTHR:W3 S reports arthritis this wv	Categ
4	S4ARTHR	S4ARTHR:W4 S reports arthritis this wv	Categ
5	S5ARTHR	S5ARTHR:W5 S reports arthritis this wv	Categ
6	S6ARTHR	S6ARTHR:W6 S reports arthritis this wv	Categ
7	S7ARTHR	S7ARTHR:W7 S reports arthritis this wv	Categ
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9	S9ARTHR	S9ARTHR:W9 S reports arthritis this wv	Categ
10	S10ARTHR	S10ARTHR:W10 S reports arthritis this wv	Categ
11	S11ARTHR	S11ARTHR:W11 S reports arthritis this wv	Categ
12	S12ARTHR	S12ARTHR:W12 S reports arthritis this wv	Categ
1	R1ARTHRQ	R1ARTHRQ:W1 Q-wording arthritis this wv	Categ
2	R2ARTHRQ	R2ARTHRQ:W2 Q-wording arthritis this wv	Categ
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4	R4ARTHRQ	R4ARTHRQ:W4 Q-wording arthritis this wv	Categ
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9	R9ARTHRQ	R9ARTHRQ:W9 Q-wording arthritis this wv	Categ
10	R10ARTHRQ	R10ARTHRQ:W10 Q-wording arthritis this wv	Categ
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8	S8ARTHRQ	S8ARTHRQ:W8 Q-wording arthritis this wv	Categ
9	S9ARTHRQ	S9ARTHRQ:W9 Q-wording arthritis this wv	Categ
10	S10ARTHRQ	S10ARTHRQ:W10 Q-wording arthritis this wv	Categ
11	S11ARTHRQ	S11ARTHRQ:W11 Q-wording arthritis this wv	Categ
12	S12ARTHRQ	S12ARTHRQ:W12 Q-wording arthritis this wv	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIBP	12652	0.38	0.49	0.0	1.0

R2HIBP	15364	0.30	0.46	0.0	1.0
R3HIBP	17981	0.60	0.90	0.0	5.0
R4HIBP	21369	0.54	0.74	0.0	5.0
R5HIBP	19566	0.55	0.65	0.0	4.0
R6HIBP	18147	0.58	0.62	0.0	4.0
R7HIBP	20100	0.58	0.62	0.0	4.0
R8HIBP	18437	0.62	0.62	0.0	4.0
R9HIBP	17191	0.65	0.61	0.0	4.0
R10HIBP	21987	0.62	0.59	0.0	4.0
R11HIBP	20515	0.66	0.62	0.0	4.0
R12HIBP	18703	0.67	0.60	0.0	4.0
S1HIBP	9900	0.37	0.48	0.0	1.0
S2HIBP	9964	0.25	0.43	0.0	1.0
S3HIBP	11909	0.57	0.89	0.0	5.0
S4HIBP	13970	0.50	0.71	0.0	5.0
S5HIBP	12726	0.52	0.64	0.0	4.0
S6HIBP	11633	0.55	0.62	0.0	4.0
S7HIBP	12964	0.54	0.61	0.0	4.0
S8HIBP	11726	0.58	0.61	0.0	4.0
S9HIBP	10635	0.61	0.60	0.0	4.0
S10HIBP	13497	0.58	0.58	0.0	4.0
S11HIBP	12469	0.62	0.62	0.0	4.0
S12HIBP	11012	0.63	0.61	0.0	4.0
R1HIBPQ	12652	1.00	0.00	1.0	1.0
R2HIBPQ	19642	2.10	1.45	1.0	15.0
R3HIBPQ	17991	2.43	0.58	1.0	16.0
R4HIBPQ	21384	2.11	0.80	1.0	16.0
R5HIBPQ	19579	2.44	0.55	1.0	15.0
R6HIBPQ	18165	2.62	0.80	1.0	12.0
R7HIBPQ	20129	2.38	0.94	1.0	13.0
R8HIBPQ	18469	2.65	0.78	1.0	12.0
R9HIBPQ	17217	2.66	0.72	1.0	5.0
R10HIBPQ	22034	2.23	1.02	1.0	11.0
R11HIBPQ	20554	2.73	1.13	1.0	16.0
R12HIBPQ	18748	2.69	0.86	1.0	16.0
S1HIBPQ	9900	1.00	0.00	1.0	1.0
S2HIBPQ	13088	2.25	1.47	1.0	15.0
S3HIBPQ	11915	2.39	0.53	1.0	11.0
S4HIBPQ	13978	2.07	0.82	1.0	16.0
S5HIBPQ	12730	2.40	0.56	1.0	15.0
S6HIBPQ	11639	2.58	0.81	1.0	12.0
S7HIBPQ	12972	2.33	0.95	1.0	13.0
S8HIBPQ	11735	2.62	0.81	1.0	12.0
S9HIBPQ	10646	2.62	0.73	1.0	5.0
S10HIBPQ	13513	2.18	1.01	1.0	11.0
S11HIBPQ	12488	2.70	1.18	1.0	16.0
S12HIBPQ	11031	2.64	0.84	1.0	15.0
R1DIAB	12652	0.11	0.31	0.0	1.0
R2DIAB	18428	0.07	0.26	0.0	1.0
R3DIAB	17979	0.18	0.58	0.0	5.0
R4DIAB	21372	0.17	0.49	0.0	5.0
R5DIAB	19571	0.18	0.46	0.0	4.0
R6DIAB	18157	0.19	0.45	0.0	4.0
R7DIAB	20108	0.20	0.47	0.0	4.0
R8DIAB	18449	0.22	0.49	0.0	4.0

R9DIAB	17199	0.24	0.51	0.0	4.0
R10DIAB	22013	0.25	0.50	0.0	4.0
R11DIAB	20536	0.28	0.56	0.0	4.0
R12DIAB	18710	0.28	0.55	0.0	4.0
S1DIAB	9900	0.10	0.30	0.0	1.0
S2DIAB	12228	0.06	0.24	0.0	1.0
S3DIAB	11909	0.18	0.58	0.0	5.0
S4DIAB	13975	0.16	0.48	0.0	5.0
S5DIAB	12726	0.17	0.45	0.0	4.0
S6DIAB	11635	0.18	0.44	0.0	4.0
S7DIAB	12965	0.19	0.46	0.0	4.0
S8DIAB	11728	0.21	0.49	0.0	4.0
S9DIAB	10638	0.23	0.49	0.0	4.0
S10DIAB	13508	0.24	0.48	0.0	4.0
S11DIAB	12479	0.27	0.55	0.0	4.0
S12DIAB	11015	0.27	0.54	0.0	4.0
R1DIABQ	12652	1.00	0.00	1.0	1.0
R2DIABQ	19642	1.77	1.10	1.0	15.0
R3DIABQ	17991	2.11	0.38	1.0	16.0
R4DIABQ	21384	1.87	0.62	1.0	16.0
R5DIABQ	19579	2.12	0.39	1.0	11.0
R6DIABQ	18165	2.30	0.79	1.0	12.0
R7DIABQ	20129	2.10	0.86	1.0	12.0
R8DIABQ	18469	2.32	0.77	1.0	12.0
R9DIABQ	17217	2.32	0.72	1.0	5.0
R10DIABQ	22034	1.97	0.91	1.0	11.0
R11DIABQ	20554	2.44	1.38	1.0	15.0
R12DIABQ	18748	2.39	1.20	1.0	16.0
S1DIABQ	9900	1.00	0.00	1.0	1.0
S2DIABQ	13088	1.89	1.17	1.0	15.0
S3DIABQ	11915	2.10	0.36	1.0	11.0
S4DIABQ	13978	1.85	0.62	1.0	16.0
S5DIABQ	12730	2.11	0.40	1.0	11.0
S6DIABQ	11639	2.28	0.79	1.0	12.0
S7DIABQ	12972	2.07	0.87	1.0	12.0
S8DIABQ	11735	2.31	0.80	1.0	12.0
S9DIABQ	10646	2.29	0.71	1.0	5.0
S10DIABQ	13513	1.94	0.91	1.0	11.0
S11DIABQ	12488	2.44	1.45	1.0	15.0
S12DIABQ	11031	2.38	1.24	1.0	16.0
R1CANCR	12652	0.06	0.23	0.0	1.0
R2CANCR	19050	0.07	0.25	0.0	1.0
R3CANCR	17978	0.13	0.46	0.0	5.0
R4CANCR	21373	0.12	0.41	0.0	5.0
R5CANCR	19564	0.13	0.40	0.0	4.0
R6CANCR	18158	0.15	0.39	0.0	4.0
R7CANCR	20113	0.14	0.40	0.0	4.0
R8CANCR	18452	0.16	0.41	0.0	4.0
R9CANCR	17205	0.17	0.43	0.0	4.0
R10CANCR	22014	0.15	0.39	0.0	4.0
R11CANCR	20538	0.16	0.42	0.0	4.0
R12CANCR	18725	0.17	0.42	0.0	4.0
S1CANCR	9900	0.05	0.23	0.0	1.0
S2CANCR	12659	0.06	0.23	0.0	1.0

S3CANCR	11905	0.12	0.45	0.0	5.0
S4CANCR	13974	0.11	0.37	0.0	5.0
S5CANCR	12725	0.13	0.39	0.0	4.0
S6CANCR	11633	0.14	0.38	0.0	4.0
S7CANCR	12964	0.13	0.38	0.0	4.0
S8CANCR	11728	0.14	0.38	0.0	4.0
S9CANCR	10639	0.16	0.42	0.0	4.0
S10CANCR	13502	0.14	0.37	0.0	4.0
S11CANCR	12479	0.15	0.40	0.0	4.0
S12CANCR	11021	0.16	0.41	0.0	4.0
R1CANCRQ	12652	1.00	0.00	1.0	1.0
R2CANCRQ	19642	1.71	1.01	1.0	15.0
R3CANCRQ	17991	2.08	0.46	1.0	16.0
R4CANCRQ	21384	1.84	0.58	1.0	16.0
R5CANCRQ	19579	2.09	0.35	1.0	11.0
R6CANCRQ	18165	2.27	0.78	1.0	12.0
R7CANCRQ	20129	2.07	0.85	1.0	16.0
R8CANCRQ	18469	2.28	0.76	1.0	12.0
R9CANCRQ	17217	2.26	0.72	1.0	16.0
R10CANCRQ	22034	1.93	0.88	1.0	11.0
R11CANCRQ	20554	2.30	1.10	1.0	16.0
R12CANCRQ	18748	2.24	0.72	1.0	16.0
S1CANCRQ	9900	1.00	0.00	1.0	1.0
S2CANCRQ	13088	1.83	1.11	1.0	15.0
S3CANCRQ	11915	2.06	0.43	1.0	16.0
S4CANCRQ	13978	1.82	0.58	1.0	16.0
S5CANCRQ	12730	2.08	0.36	1.0	11.0
S6CANCRQ	11639	2.25	0.78	1.0	12.0
S7CANCRQ	12972	2.04	0.86	1.0	16.0
S8CANCRQ	11735	2.27	0.78	1.0	12.0
S9CANCRQ	10646	2.25	0.72	1.0	16.0
S10CANCRQ	13513	1.90	0.88	1.0	11.0
S11CANCRQ	12488	2.30	1.16	1.0	16.0
S12CANCRQ	11031	2.22	0.73	1.0	15.0
R1LUNG	12652	0.08	0.27	0.0	1.0
R2LUNG	18754	0.06	0.24	0.0	1.0
R3LUNG	17984	0.17	0.66	0.0	5.0
R4LUNG	21377	0.14	0.56	0.0	5.0
R5LUNG	19566	0.13	0.48	0.0	4.0
R6LUNG	18155	0.12	0.40	0.0	4.0
R7LUNG	20116	0.12	0.43	0.0	4.0
R8LUNG	18448	0.13	0.44	0.0	4.0
R9LUNG	17206	0.13	0.44	0.0	4.0
R10LUNG	22017	0.12	0.39	0.0	4.0
R11LUNG	20544	0.13	0.44	0.0	4.0
R12LUNG	18726	0.13	0.43	0.0	4.0
S1LUNG	9900	0.08	0.26	0.0	1.0
S2LUNG	12468	0.05	0.22	0.0	1.0
S3LUNG	11911	0.16	0.63	0.0	5.0
S4LUNG	13976	0.13	0.54	0.0	5.0
S5LUNG	12723	0.11	0.45	0.0	4.0
S6LUNG	11633	0.10	0.37	0.0	4.0
S7LUNG	12969	0.11	0.42	0.0	4.0
S8LUNG	11727	0.11	0.41	0.0	4.0
S9LUNG	10639	0.11	0.40	0.0	4.0

S10LUNG	13507	0.10	0.36	0.0	4.0
S11LUNG	12484	0.11	0.39	0.0	4.0
S12LUNG	11022	0.11	0.39	0.0	4.0
R1LUNGQ	12652	1.00	0.00	1.0	1.0
R2LUNGQ	19642	1.73	1.03	1.0	15.0
R3LUNGQ	17991	2.08	0.36	1.0	15.0
R4LUNGQ	21384	1.84	0.68	1.0	16.0
R5LUNGQ	19579	2.07	0.34	1.0	11.0
R6LUNGQ	18165	2.25	0.78	1.0	15.0
R7LUNGQ	20129	2.04	0.83	1.0	13.0
R8LUNGQ	18469	2.24	0.75	1.0	12.0
R9LUNGQ	17217	2.22	0.69	1.0	5.0
R10LUNGQ	22034	1.90	0.86	1.0	11.0
R11LUNGQ	20554	2.28	1.15	1.0	16.0
R12LUNGQ	18748	2.21	0.84	1.0	16.0
S1LUNGQ	9900	1.00	0.00	1.0	1.0
S2LUNGQ	13088	1.85	1.12	1.0	15.0
S3LUNGQ	11915	2.07	0.33	1.0	11.0
S4LUNGQ	13978	1.83	0.68	1.0	16.0
S5LUNGQ	12730	2.06	0.34	1.0	11.0
S6LUNGQ	11639	2.22	0.78	1.0	15.0
S7LUNGQ	12972	2.01	0.83	1.0	13.0
S8LUNGQ	11735	2.23	0.77	1.0	12.0
S9LUNGQ	10646	2.20	0.67	1.0	5.0
S10LUNGQ	13513	1.87	0.86	1.0	11.0
S11LUNGQ	12488	2.27	1.19	1.0	16.0
S12LUNGQ	11031	2.19	0.85	1.0	16.0
R1HEART	12652	0.13	0.34	0.0	1.0
R2HEART	19632	0.16	0.37	0.0	1.0
R3HEART	17986	0.30	0.71	0.0	5.0
R4HEART	21371	0.39	1.06	0.0	6.0
R5HEART	19571	0.26	0.54	0.0	4.0
R6HEART	18153	0.28	0.53	0.0	4.0
R7HEART	20108	0.27	0.53	0.0	4.0
R8HEART	18449	0.29	0.57	0.0	4.0
R9HEART	17199	0.31	0.58	0.0	4.0
R10HEART	22013	0.26	0.52	0.0	4.0
R11HEART	20535	0.27	0.55	0.0	4.0
R12HEART	18712	0.28	0.56	0.0	4.0
S1HEART	9900	0.13	0.34	0.0	1.0
S2HEART	13084	0.14	0.34	0.0	1.0
S3HEART	11913	0.27	0.68	0.0	5.0
S4HEART	13973	0.33	0.95	0.0	6.0
S5HEART	12727	0.24	0.52	0.0	4.0
S6HEART	11633	0.25	0.50	0.0	4.0
S7HEART	12965	0.24	0.51	0.0	4.0
S8HEART	11731	0.27	0.54	0.0	4.0
S9HEART	10636	0.28	0.55	0.0	4.0
S10HEART	13503	0.24	0.50	0.0	4.0
S11HEART	12479	0.25	0.51	0.0	4.0
S12HEART	11014	0.26	0.53	0.0	4.0
R1HEARTQ	12652	1.00	0.00	1.0	1.0
R2HEARTQ	19642	1.99	1.76	1.0	19.0
R3HEARTQ	17991	2.19	0.48	1.0	16.0

R4HEARTQ	21384	2.45	2.75	1.0	16.0
R5HEARTQ	19579	2.18	0.46	1.0	15.0
R6HEARTQ	18165	2.52	1.65	1.0	16.0
R7HEARTQ	20129	2.15	0.89	1.0	16.0
R8HEARTQ	18469	2.37	0.78	1.0	12.0
R9HEARTQ	17217	2.36	0.74	1.0	16.0
R10HEARTQ	22034	1.99	0.92	1.0	11.0
R11HEARTQ	20554	2.41	1.24	1.0	15.0
R12HEARTQ	18748	2.34	0.90	1.0	15.0
S1HEARTQ	9900	1.00	0.00	1.0	1.0
S2HEARTQ	13088	2.14	1.85	1.0	19.0
S3HEARTQ	11915	2.17	0.45	1.0	15.0
S4HEARTQ	13978	2.28	2.38	1.0	16.0
S5HEARTQ	12730	2.16	0.47	1.0	15.0
S6HEARTQ	11639	2.44	1.43	1.0	16.0
S7HEARTQ	12972	2.11	0.89	1.0	13.0
S8HEARTQ	11735	2.35	0.81	1.0	12.0
S9HEARTQ	10646	2.33	0.72	1.0	5.0
S10HEARTQ	13513	1.96	0.92	1.0	11.0
S11HEARTQ	12488	2.40	1.28	1.0	15.0
S12HEARTQ	11031	2.31	0.87	1.0	15.0
R1STROK	12652	0.03	0.17	0.0	1.0
R2STROK	19315	0.06	0.26	0.0	2.0
R3STROK	17983	0.09	0.42	0.0	5.0
R4STROK	21376	0.09	0.39	0.0	5.0
R5STROK	19572	0.09	0.34	0.0	4.0
R6STROK	18155	0.09	0.33	0.0	4.0
R7STROK	20122	0.09	0.33	0.0	4.0
R8STROK	18454	0.09	0.35	0.0	4.0
R9STROK	17203	0.10	0.35	0.0	4.0
R10STROK	22020	0.09	0.33	0.0	4.0
R11STROK	20543	0.09	0.35	0.0	4.0
R12STROK	18726	0.09	0.34	0.0	4.0
S1STROK	9900	0.03	0.17	0.0	1.0
S2STROK	12846	0.04	0.23	0.0	2.0
S3STROK	11911	0.08	0.38	0.0	5.0
S4STROK	13975	0.08	0.35	0.0	5.0
S5STROK	12727	0.07	0.31	0.0	4.0
S6STROK	11635	0.07	0.31	0.0	4.0
S7STROK	12970	0.07	0.29	0.0	4.0
S8STROK	11729	0.08	0.31	0.0	4.0
S9STROK	10640	0.08	0.30	0.0	4.0
S10STROK	13506	0.07	0.28	0.0	4.0
S11STROK	12483	0.08	0.32	0.0	4.0
S12STROK	11023	0.08	0.31	0.0	4.0
R1STROKQ	12652	1.00	0.00	1.0	1.0
R2STROKQ	19642	1.68	0.98	1.0	15.0
R3STROKQ	17991	2.12	1.08	1.0	16.0
R4STROKQ	21384	1.84	0.82	1.0	15.0
R5STROKQ	19579	2.13	1.10	1.0	15.0
R6STROKQ	18165	2.28	1.16	1.0	15.0
R7STROKQ	20129	2.08	1.22	1.0	15.0
R8STROKQ	18469	2.28	1.18	1.0	15.0
R9STROKQ	17217	2.26	1.13	1.0	15.0
R10STROKQ	22034	1.92	1.18	1.0	15.0

R11STROKQ	20554	2.29	1.34	1.0	16.0
R12STROKQ	18748	2.21	1.03	1.0	15.0
S1STROKQ	9900	1.00	0.00	1.0	1.0
S2STROKQ	13088	1.79	1.04	1.0	12.0
S3STROKQ	11915	2.08	0.93	1.0	15.0
S4STROKQ	13978	1.81	0.71	1.0	15.0
S5STROKQ	12730	2.10	1.00	1.0	15.0
S6STROKQ	11639	2.25	1.10	1.0	15.0
S7STROKQ	12972	2.04	1.18	1.0	15.0
S8STROKQ	11735	2.26	1.14	1.0	15.0
S9STROKQ	10646	2.22	1.08	1.0	15.0
S10STROKQ	13513	1.88	1.11	1.0	15.0
S11STROKQ	12488	2.27	1.35	1.0	16.0
S12STROKQ	11031	2.19	1.01	1.0	15.0
R1PSYCH	12652	0.11	0.31	0.0	1.0
R2PSYCH	18442	0.07	0.26	0.0	1.0
R3PSYCH	17978	0.25	0.81	0.0	5.0
R4PSYCH	21371	0.21	0.66	0.0	5.0
R5PSYCH	19570	0.21	0.58	0.0	4.0
R6PSYCH	18155	0.20	0.52	0.0	4.0
R7PSYCH	20098	0.21	0.56	0.0	4.0
R8PSYCH	18447	0.22	0.55	0.0	4.0
R9PSYCH	17199	0.22	0.55	0.0	4.0
R10PSYCH	21998	0.21	0.51	0.0	4.0
R11PSYCH	20523	0.23	0.54	0.0	4.0
R12PSYCH	18713	0.23	0.54	0.0	4.0
S1PSYCH	9900	0.09	0.29	0.0	1.0
S2PSYCH	12320	0.06	0.24	0.0	1.0
S3PSYCH	11911	0.23	0.78	0.0	5.0
S4PSYCH	13970	0.18	0.62	0.0	5.0
S5PSYCH	12727	0.18	0.55	0.0	4.0
S6PSYCH	11635	0.17	0.49	0.0	4.0
S7PSYCH	12953	0.18	0.52	0.0	4.0
S8PSYCH	11725	0.19	0.51	0.0	4.0
S9PSYCH	10637	0.19	0.52	0.0	4.0
S10PSYCH	13502	0.18	0.46	0.0	4.0
S11PSYCH	12474	0.19	0.49	0.0	4.0
S12PSYCH	11017	0.19	0.49	0.0	4.0
R1PSYCHQ	12652	1.00	0.00	1.0	1.0
R2PSYCHQ	19642	1.77	1.11	1.0	15.0
R3PSYCHQ	17991	2.12	0.55	1.0	16.0
R4PSYCHQ	21384	1.87	0.66	1.0	16.0
R5PSYCHQ	19579	2.13	0.44	1.0	16.0
R6PSYCHQ	18165	2.30	0.79	1.0	16.0
R7PSYCHQ	20129	2.09	0.86	1.0	13.0
R8PSYCHQ	18469	2.31	0.77	1.0	12.0
R9PSYCHQ	17217	2.29	0.71	1.0	5.0
R10PSYCHQ	22034	1.95	0.90	1.0	11.0
R11PSYCHQ	20554	2.35	1.12	1.0	16.0
R12PSYCHQ	18748	2.29	0.80	1.0	15.0
S1PSYCHQ	9900	1.00	0.00	1.0	1.0
S2PSYCHQ	13088	1.88	1.16	1.0	15.0
S3PSYCHQ	11915	2.11	0.53	1.0	16.0
S4PSYCHQ	13978	1.85	0.66	1.0	16.0

S5PSYCHQ	12730	2.10	0.39	1.0	11.0
S6PSYCHQ	11639	2.27	0.78	1.0	12.0
S7PSYCHQ	12972	2.05	0.86	1.0	13.0
S8PSYCHQ	11735	2.28	0.79	1.0	12.0
S9PSYCHQ	10646	2.26	0.70	1.0	5.0
S10PSYCHQ	13513	1.91	0.88	1.0	11.0
S11PSYCHQ	12488	2.33	1.17	1.0	16.0
S12PSYCHQ	11031	2.25	0.74	1.0	15.0
R1ARTHR	12652	0.38	0.48	0.0	1.0
R2ARTHR	15390	0.20	0.40	0.0	1.0
R3ARTHR	17982	0.61	0.82	0.0	5.0
R4ARTHR	21362	0.60	0.74	0.0	5.0
R5ARTHR	19564	0.64	0.66	0.0	4.0
R6ARTHR	18139	0.65	0.63	0.0	4.0
R7ARTHR	20104	0.63	0.63	0.0	4.0
R8ARTHR	18450	0.65	0.62	0.0	4.0
R9ARTHR	17190	0.69	0.65	0.0	4.0
R10ARTHR	21992	0.59	0.60	0.0	4.0
R11ARTHR	20527	0.62	0.63	0.0	4.0
R12ARTHR	18711	0.64	0.61	0.0	4.0
S1ARTHR	9900	0.36	0.48	0.0	1.0
S2ARTHR	10007	0.17	0.37	0.0	1.0
S3ARTHR	11908	0.59	0.84	0.0	5.0
S4ARTHR	13968	0.57	0.74	0.0	5.0
S5ARTHR	12722	0.60	0.66	0.0	4.0
S6ARTHR	11626	0.62	0.63	0.0	4.0
S7ARTHR	12959	0.59	0.63	0.0	4.0
S8ARTHR	11730	0.61	0.61	0.0	4.0
S9ARTHR	10632	0.65	0.66	0.0	4.0
S10ARTHR	13497	0.55	0.60	0.0	4.0
S11ARTHR	12477	0.58	0.63	0.0	4.0
S12ARTHR	11018	0.59	0.61	0.0	4.0
R1ARTHRQ	12652	1.00	0.00	1.0	1.0
R2ARTHRQ	19642	2.09	1.43	1.0	15.0
R3ARTHRQ	17991	2.36	0.54	1.0	15.0
R4ARTHRQ	21384	2.15	0.81	1.0	16.0
R5ARTHRQ	19579	2.50	0.54	1.0	11.0
R6ARTHRQ	18165	2.69	0.81	1.0	15.0
R7ARTHRQ	20129	2.44	0.95	1.0	13.0
R8ARTHRQ	18469	2.69	0.77	1.0	12.0
R9ARTHRQ	17217	2.70	0.72	1.0	5.0
R10ARTHRQ	22034	2.24	1.02	1.0	11.0
R11ARTHRQ	20554	2.70	1.12	1.0	16.0
R12ARTHRQ	18748	2.64	0.76	1.0	16.0
S1ARTHRQ	9900	1.00	0.00	1.0	1.0
S2ARTHRQ	13088	2.24	1.47	1.0	15.0
S3ARTHRQ	11915	2.34	0.52	1.0	11.0
S4ARTHRQ	13978	2.11	0.82	1.0	16.0
S5ARTHRQ	12730	2.46	0.56	1.0	11.0
S6ARTHRQ	11639	2.64	0.82	1.0	15.0
S7ARTHRQ	12972	2.38	0.96	1.0	13.0
S8ARTHRQ	11735	2.66	0.80	1.0	12.0
S9ARTHRQ	10646	2.65	0.72	1.0	5.0
S10ARTHRQ	13513	2.19	1.02	1.0	11.0
S11ARTHRQ	12488	2.67	1.20	1.0	16.0

S12ARTHRQ	11031	2.60	0.77	1.0	16.0

Categorical Variable Codes

Value	R1HIBP	R2HIBP	R3HIBP	R4HIBP	R5HIBP	R6HIBP	R7HIBP
.D=DK/NA		11	7	15	11	17	26
.M=Oth missing			2				
.P=Preload yes,but no prv w		1					
.R=RF		1	1		2	1	3
.Y=Via preload+yes prev wv		4265					
0.No	7784	10699	9172	11096	9605	8318	9198
1.Yes	4868	4665	8301	9948	9663	9611	10667
3.Disp prev record and has					7	5	4
4.Disp prev record and no c					291	213	231
5.Disp prev record (DK if c			508	325			

Value	R8HIBP	R9HIBP	R10HIBP	R11HIBP	R12HIBP
.D=DK/NA	30	22	45	35	42
.M=Oth missing	1			1	
.R=RF	1	4	2	3	3
0.No	7681	6583	8922	7801	6845
1.Yes	10531	10394	12860	12440	11631
3.Disp prev record and has	5	9	11	10	8
4.Disp prev record and no c	220	205	194	264	219

Value	S1HIBP	S2HIBP	S3HIBP	S4HIBP	S5HIBP	S6HIBP	S7HIBP
.D=DK/NA		4	4	8	3	5	7
.M=Oth missing			2				
.R=RF					1	1	1
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.Y=Via preload+yes prev wv		3120					
0.No	6260	7478	6456	7683	6615	5635	6352
1.Yes	3640	2486	5131	6106	5938	5861	6473
3.Disp prev record and has					5	1	3
4.Disp prev record and no c					168	136	136
5.Disp prev record (DK if c			322	181			

Value	S8HIBP	S9HIBP	S10HIBP	S11HIBP	S12HIBP
.D=DK/NA	8	8	15	15	18
.M=Oth missing				1	
.R=RF	1	3	1	3	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5299	4447	5955	5165	4465
1.Yes	6303	6071	7432	7145	6420
3.Disp prev record and has	3	6	5	4	8
4.Disp prev record and no c	121	111	105	155	119

Value	R1HIBPQ	R2HIBPQ	R3HIBPQ	R4HIBPQ	R5HIBPQ	R6HIBPQ	R7HIBPQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471
2.ReIvw,NoCond: have had si		7015	9787	8920	10499	8689	7488
3.ReIvw,Cond: last time sai			7926	7363	8809	8171	8205
4.ReIvw,Cond: skip question		4265					
5.ReIvw/NewR: have ever had						1072	959
10.Ovrlap-93Ivw: have had [		107					
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	
13.NewIvw BUT Pre=ReIvw,Con							1
15.ReIvw,Cond BUT Pre=NoCon		37	5	3	1		
16.ReIvw,NoCond BUT Pre=Con			1	4			

Value	R8HIBPQ	R9HIBPQ	R10HIBPQ	R11HIBPQ	R12HIBPQ
1.NewIvw: have had [ever]	207	143	6439	331	178
2.ReIvw,NoCond: have had si	8109	7155	6011	8090	7190
3.ReIvw,Cond: last time sai	9126	9103	8696	11170	10685
5.ReIvw/NewR: have ever had	1020	816	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	6		11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				21	33
16.ReIvw,NoCond BUT Pre=Con				1	1

Value	S1HIBPQ	S2HIBPQ	S3HIBPQ	S4HIBPQ	S5HIBPQ	S6HIBPQ	S7HIBPQ
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484
2.ReIvw,NoCond: have had si		5501	6771	6056	7159	5823	4975
3.ReIvw,Cond: last time sai			4903	4409	5319	4952	4930
4.ReIvw,Cond: skip question		3120					
5.ReIvw/NewR: have ever had						648	577
10.Ovrlap-93Ivw: have had [		104					
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	
13.NewIvw BUT Pre=ReIvw,Con							1
15.ReIvw,Cond BUT Pre=NoCon		16		2	1		
16.ReIvw,NoCond BUT Pre=Con				4			

Value	S8HIBPQ	S9HIBPQ	S10HIBPQ	S11HIBPQ	S12HIBPQ
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.NewIvw: have had [ever]	198	139	4096	313	167
2.ReIvw,NoCond: have had si	5499	4750	3938	5251	4591
3.ReIvw,Cond: last time sai	5363	5283	4983	6328	5878
5.ReIvw/NewR: have ever had	668	474	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	6		11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				8	15
16.ReIvw,NoCond BUT Pre=Con				1	

Value	R1DIAB	R2DIAB	R3DIAB	R4DIAB	R5DIAB	R6DIAB	R7DIAB
.D=DK/NA		10	8	12	4	6	17
.M=Oth missing			2				
.P=Preload yes,but no prv w		1					
.R=RF			2		4	2	4
.Y=Via preload+yes prev wv		1203					
0.No	11262	17057	15334	18224	16453	14895	16398
1.Yes	1390	1371	2480	3043	3007	3191	3609
3.Disp prev record and has					3	3	5
4.Disp prev record and no c					108	68	96
5.Disp prev record (DK if c			165	105			

Value	R8DIAB	R9DIAB	R10DIAB	R11DIAB	R12DIAB
.D=DK/NA	17	15	18	17	36
.M=Oth missing	1			1	
.R=RF	2	3	3		2
0.No	14626	13323	16865	15408	13927
1.Yes	3716	3771	5037	4932	4626
3.Disp prev record and has	3	3	4	4	1
4.Disp prev record and no c	104	102	107	192	156

Value	S1DIAB	S2DIAB	S3DIAB	S4DIAB	S5DIAB	S6DIAB	S7DIAB
.D=DK/NA		3	4	3	2	3	6
.M=Oth missing			2				
.R=RF					2	1	1
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.Y=Via preload+yes prev wv		857					
0.No	8877	11468	10251	12037	10791	9615	10660
1.Yes	1023	760	1546	1869	1869	1976	2240
3.Disp prev record and has					2	3	4
4.Disp prev record and no c					64	41	61
5.Disp prev record (DK if c			112	69			

Value	S8DIAB	S9DIAB	S10DIAB	S11DIAB	S12DIAB
.D=DK/NA	6	7	4	8	15
.M=Oth missing				1	
.R=RF	1	1	1		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9416	8334	10438	9493	8307
1.Yes	2245	2246	3011	2877	2625
3.Disp prev record and has	1	2	3	3	1
4.Disp prev record and no c	66	56	56	106	82

Value	R1DIABQ	R2DIABQ	R3DIABQ	R4DIABQ	R5DIABQ	R6DIABQ	R7DIABQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471
2.ReIvw,NoCond: have had si		10103	15518	14169	16706	14399	13075
3.ReIvw,Cond: last time sai			2200	2116	2603	2461	2618
4.ReIvw,Cond: skip question		1203					
5.ReIvw/NewR: have ever had						1072	959
10.Ovrlap-93Ivw: have had [		107					
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1
15.ReIvw,Cond BUT Pre=NoCon		11		2			
16.ReIvw,NoCond BUT Pre=Con			1	3			

Value	R8DIABQ	R9DIABQ	R10DIABQ	R11DIABQ	R12DIABQ
1.NewIvw: have had [ever]	207	143	6439	331	178
2.ReIvw,NoCond: have had si	14238	13126	11632	14965	13733
3.ReIvw,Cond: last time sai	2997	3132	3075	4219	4063
5.ReIvw/NewR: have ever had	1020	816	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	6		11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				98	112
16.ReIvw,NoCond BUT Pre=Con					1

Value	S1DIABQ	S2DIABQ	S3DIABQ	S4DIABQ	S5DIABQ	S6DIABQ	S7DIABQ
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484
2.ReIvw,NoCond: have had si		7774	10308	9161	10892	9277	8306
3.ReIvw,Cond: last time sai			1366	1307	1587	1498	1599
4.ReIvw,Cond: skip question		857					
5.ReIvw/NewR: have ever had						648	577
10.Ovrlap-93Ivw: have had [		104					
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1
15.ReIvw,Cond BUT Pre=NoCon		6		2			
16.ReIvw,NoCond BUT Pre=Con				1			

Value	S8DIABQ	S9DIABQ	S10DIABQ	S11DIABQ	S12DIABQ
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.NewIvw: have had [ever]	198	139	4096	313	167
2.ReIvw,NoCond: have had si	9078	8202	7130	9078	8126
3.ReIvw,Cond: last time sai	1784	1831	1791	2447	2285
5.ReIvw/NewR: have ever had	668	474	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	6		11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				63	72
16.ReIvw,NoCond BUT Pre=Con					1

Value	R1CANCR	R2CANCR	R3CANCR	R4CANCR	R5CANCR	R6CANCR	R7CANCR
.D=DK/NA		9	7	10	10	5	13
.M=Oth missing			2				
.R=RF		3	3	1	5	2	3
.T=Other			1				
.Y=Via preload+yes prev wv		580					
0.No	11949	17777	16010	18978	17151	15665	17420
1.Yes	703	1273	1880	2333	2344	2444	2630
3.Disp prev record and has					1	3	1
4.Disp prev record and no c					68	46	62
5.Disp prev record (DK if c			88	62			

Value	R8CANCR	R9CANCR	R10CANCR	R11CANCR	R12CANCR
.D=DK/NA	14	9	18	12	22
.M=Oth missing	1			1	
.R=RF	2	3	2	3	1
0.No	15746	14477	18926	17440	15770
1.Yes	2652	2670	3041	3030	2897
3.Disp prev record and has	2			3	1
4.Disp prev record and no c	52	58	47	65	57

Value	S1CANCR	S2CANCR	S3CANCR	S4CANCR	S5CANCR	S6CANCR	S7CANCR
.D=DK/NA		4	6	3	3	4	7
.M=Oth missing			2				
.R=RF		3	1	1	2	2	1
.T=Other			1				
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.Y=Via preload+yes prev wv		422					
0.No	9365	11948	10694	12498	11248	10122	11334
1.Yes	535	711	1154	1452	1435	1483	1595
3.Disp prev record and has					1	2	1
4.Disp prev record and no c					41	26	34
5.Disp prev record (DK if c			57	24			

Value	S8CANCR	S9CANCR	S10CANCR	S11CANCR	S12CANCR
.D=DK/NA	6	5	9	8	9
.M=Oth missing				1	
.R=RF	1	2	2		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10116	9021	11651	10683	9360
1.Yes	1592	1582	1831	1760	1628
3.Disp prev record and has				2	
4.Disp prev record and no c	20	36	20	34	33

Value	R1CANCRQ	R2CANCRQ	R3CANCRQ	R4CANCRQ	R5CANCRQ	R6CANCRQ	R7CANCRQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471
2.ReIvw,NoCond: have had si		10728	16165	14760	17370	14962	13688
3.ReIvw,Cond: last time sai			1543	1525	1939	1898	2004
4.ReIvw,Cond: skip question		580					
5.ReIvw/NewR: have ever had						1072	959
10.Ovrlap-93Ivw: have had [		107					
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1
15.ReIvw,Cond BUT Pre=NoCon		9	10	3			
16.ReIvw,NoCond BUT Pre=Con			1	2			1

Value	R8CANCRQ	R9CANCRQ	R10CANCRQ	R11CANCRQ	R12CANCRQ
1.NewIvw: have had [ever]	207	143	6439	331	178
2.ReIvw,NoCond: have had si	15072	14055	12607	16758	15447
3.ReIvw,Cond: last time sai	2163	2201	2100	2514	2451
5.ReIvw/NewR: have ever had	1020	816	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	6		11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				8	9
16.ReIvw,NoCond BUT Pre=Con		2		2	2

Value	S1CANCRQ	S2CANCRQ	S3CANCRQ	S4CANCRQ	S5CANCRQ	S6CANCRQ	S7CANCRQ
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484
2.ReIvw,NoCond: have had si		8208	10747	9560	11311	9641	8709
3.ReIvw,Cond: last time sai			921	909	1168	1134	1195
4.ReIvw,Cond: skip question		422					
5.ReIvw/NewR: have ever had						648	577
10.Ovrlap-93Ivw: have had [		104					
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1
15.ReIvw,Cond BUT Pre=NoCon		7	5	1			
16.ReIvw,NoCond BUT Pre=Con			1	1			1

Value	S8CANCRQ	S9CANCRQ	S10CANCRQ	S11CANCRQ	S12CANCRQ
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.NewIvw: have had [ever]	198	139	4096	313	167
2.ReIvw,NoCond: have had si	9603	8733	7682	10138	9140
3.ReIvw,Cond: last time sai	1259	1298	1239	1444	1337
5.ReIvw/NewR: have ever had	668	474	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	6		11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				5	7
16.ReIvw,NoCond BUT Pre=Con		2		1	

Value	R1LUNG	R2LUNG	R3LUNG	R4LUNG	R5LUNG	R6LUNG	R7LUNG
.D=DK/NA		8	2	7	9	8	10
.M=Oth missing			2				
.R=RF		1	2		4	2	3
.T=Other			1				
.Y=Via preload+yes prev wv		879					
0.No	11634	17581	15971	19239	17575	16304	18077
1.Yes	1018	1173	1751	1932	1792	1761	1900
3.Disp prev record and has					10	1	4
4.Disp prev record and no c					189	89	135
5.Disp prev record (DK if c			262	206			

Value	R8LUNG	R9LUNG	R10LUNG	R11LUNG	R12LUNG
.D=DK/NA	18	8	15	8	20
.M=Oth missing	1			1	
.R=RF	2	3	2	1	2
0.No	16454	15223	19723	18283	16649
1.Yes	1869	1872	2197	2120	1965
3.Disp prev record and has	2	3	6	4	2
4.Disp prev record and no c	123	108	91	137	110

Value	S1LUNG	S2LUNG	S3LUNG	S4LUNG	S5LUNG	S6LUNG	S7LUNG
.D=DK/NA		5	1	2	5	4	3
.M=Oth missing			2				
.R=RF		1			2	2	
.T=Other			1				
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.Y=Via preload+yes prev wv		614					
0.No	9157	11811	10684	12728	11575	10603	11824
1.Yes	743	657	1072	1121	1043	982	1057
3.Disp prev record and has					4	1	3
4.Disp prev record and no c					101	47	85
5.Disp prev record (DK if c			155	127			

Value	S8LUNG	S9LUNG	S10LUNG	S11LUNG	S12LUNG
.D=DK/NA	7	5	4	3	8
.M=Oth missing				1	
.R=RF	1	2	2		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10632	9582	12308	11320	10007
1.Yes	1027	1002	1155	1103	964
3.Disp prev record and has	2	1	1	2	2
4.Disp prev record and no c	66	54	43	59	49

Value	R1LUNGQ	R2LUNGQ	R3LUNGQ	R4LUNGQ	R5LUNGQ	R6LUNGQ	R7LUNGQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471
2.ReIvw,NoCond: have had si		10433	16000	14793	17680	15465	14257
3.ReIvw,Cond: last time sai			1717	1479	1629	1393	1436
4.ReIvw,Cond: skip question		879					
5.ReIvw/NewR: have ever had						1072	959
10.Ovrlap-93Ivw: have had [		107					
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	
13.NewIvw BUT Pre=ReIvw,Con							1
15.ReIvw,Cond BUT Pre=NoCon		5	2	3		2	
16.ReIvw,NoCond BUT Pre=Con				15			

Value	R8LUNGQ	R9LUNGQ	R10LUNGQ	R11LUNGQ	R12LUNGQ
1.NewIvw: have had [ever]	207	143	6439	331	178
2.ReIvw,NoCond: have had si	15675	14696	13232	17428	16183
3.ReIvw,Cond: last time sai	1560	1562	1475	1828	1694
5.ReIvw/NewR: have ever had	1020	816	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	6		11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				25	15
16.ReIvw,NoCond BUT Pre=Con				1	17

Value	S1LUNGQ	S2LUNGQ	S3LUNGQ	S4LUNGQ	S5LUNGQ	S6LUNGQ	S7LUNGQ
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484
2.ReIvw,NoCond: have had si		8021	10631	9592	11559	10003	9115
3.ReIvw,Cond: last time sai			1043	868	920	770	790
4.ReIvw,Cond: skip question		614					
5.ReIvw/NewR: have ever had						648	577
10.Ovrlap-93Ivw: have had [		104					
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	
13.NewIvw BUT Pre=ReIvw,Con							1
15.ReIvw,Cond BUT Pre=NoCon		2		1		2	
16.ReIvw,NoCond BUT Pre=Con				10			

Value	S8LUNGQ	S9LUNGQ	S10LUNGQ	S11LUNGQ	S12LUNGQ
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.NewIvw: have had [ever]	198	139	4096	313	167
2.ReIvw,NoCond: have had si	10028	9212	8145	10639	9645
3.ReIvw,Cond: last time sai	834	821	776	937	820
5.ReIvw/NewR: have ever had	668	474	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	6		11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				11	7
16.ReIvw,NoCond BUT Pre=Con				1	12

Value	R1HEART	R2HEART	R3HEART	R4HEART	R5HEART	R6HEART	R7HEART
.D=DK/NA		10	1	13	4	10	19
.M=Oth missing			2				
.R=RF			2		4	2	2
0.No	10986	16422	13601	16368	15031	13481	15174
1.Yes	1666	3210	4119	4307	4374	4551	4789
3.Disp prev record and has					6	3	3
4.Disp prev record and no c					160	118	142
5.Disp prev record (DK if c			266	179			
6.Preld prob:prev had/no ne				517			

Value	R8HEART	R9HEART	R10HEART	R11HEART	R12HEART
.D=DK/NA	17	14	19	16	34
.M=Oth missing	1			1	
.R=RF	2	4	2	2	2
0.No	13572	12501	16786	15404	13918
1.Yes	4700	4511	5081	4960	4626
3.Disp prev record and has	2	4	2		2
4.Disp prev record and no c	175	183	144	171	166

Value	S1HEART	S2HEART	S3HEART	S4HEART	S5HEART	S6HEART	S7HEART
.D=DK/NA		4		5	1	4	7
.M=Oth missing			2				
.R=RF					2	2	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	8614	11311	9255	10970	9990	8887	10053
1.Yes	1286	1773	2504	2655	2638	2686	2827
3.Disp prev record and has					3	2	1
4.Disp prev record and no c					96	58	84
5.Disp prev record (DK if c			154	98			
6.Preld prob:prev had/no ne				250			

Value	S8HEART	S9HEART	S10HEART	S11HEART	S12HEART
.D=DK/NA	3	8	9	7	16
.M=Oth missing				1	
.R=RF	1	2	1	1	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	8887	7927	10495	9572	8395
1.Yes	2748	2617	2930	2828	2537
3.Disp prev record and has	1	3	1		1
4.Disp prev record and no c	95	89	77	79	81

Value	R1HEARTQ	R2HEARTQ	R3HEARTQ	R4HEARTQ	R5HEARTQ	R6HEARTQ	R7HEARTQ
1.NewIvw: have had [ever]	12652	8188	270	5090	265	226	3471
2.ReIvw,NoCond: have had si		9813	14070	12790	15647	13195	12058
3.ReIvw,Cond: last time sai			3645	2570	3660	3460	3634
5.ReIvw/NewR: have ever had						1072	959
6.ReIvw,Cond: told had sinc		1442					
10.Ovrlap-93Ivw: have had [		107					
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5
12.NewIvw BUT Pre=ReIvw,NoC		15		1		1	
13.NewIvw BUT Pre=ReIvw,Con							1
15.ReIvw,Cond BUT Pre=NoCon		6	3	906	2		
16.ReIvw,NoCond BUT Pre=Con			1	24		205	1
18.NewIvw BUT Pre=ReIvw,Con		15					
19.ReIvw,NoCond BUT Pre=Con		56					

Value	R8HEARTQ	R9HEARTQ	R10HEARTQ	R11HEARTQ	R12HEARTQ
1.NewIvw: have had [ever]	207	143	6439	331	178
2.ReIvw,NoCond: have had si	13336	12412	11180	15030	13875
3.ReIvw,Cond: last time sai	3899	3844	3527	4202	3994
5.ReIvw/NewR: have ever had	1020	816	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	6		11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon		1		50	40
16.ReIvw,NoCond BUT Pre=Con		1			

Value	S1HEARTQ	S2HEARTQ	S3HEARTQ	S4HEARTQ	S5HEARTQ	S6HEARTQ	S7HEARTQ
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.NewIvw: have had [ever]	9900	4318	240	3503	247	209	2484
2.ReIvw,NoCond: have had si		7524	9472	8416	10247	8609	7770
3.ReIvw,Cond: last time sai			2201	1611	2230	2077	2135
5.ReIvw/NewR: have ever had						648	577
6.ReIvw,Cond: told had sinc		1071					
10.Ovrlap-93Ivw: have had [		104					
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		14		1		1	
13.NewIvw BUT Pre=ReIvw,Con							1
15.ReIvw,Cond BUT Pre=NoCon		3	1	441	2		
16.ReIvw,NoCond BUT Pre=Con				3		89	
18.NewIvw BUT Pre=ReIvw,Con		15					
19.ReIvw,NoCond BUT Pre=Con		39					

Value	S8HEARTQ	S9HEARTQ	S10HEARTQ	S11HEARTQ	S12HEARTQ
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.NewIvw: have had [ever]	198	139	4096	313	167
2.ReIvw,NoCond: have had si	8589	7825	6894	9180	8281
3.ReIvw,Cond: last time sai	2273	2208	2027	2380	2184
5.ReIvw/NewR: have ever had	668	474	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	6		11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				28	19

Value	R1STROK	R2STROK	R3STROK	R4STROK	R5STROK	R6STROK	R7STROK
.D=DK/NA		4	4	8	2	8	6
.M=Oth missing			2				
.R=RF			2		5	2	1
.Y=Via preload+yes prev wv		323					
0.No	12257	18384	16679	19792	18088	16718	18627
1.Yes	395	792	1106	1363	1319	1273	1327
2.TIA/possible stroke		139	130	167	123	146	141
3.Disp prev record and has					4	2	2
4.Disp prev record and no c					38	16	25
5.Disp prev record (DK if c			68	54			

Value	R8STROK	R9STROK	R10STROK	R11STROK	R12STROK
.D=DK/NA	12	10	11	9	19
.M=Oth missing	1			1	
.R=RF	2	4	3	1	3
0.No	16988	15765	20338	18850	17168
1.Yes	1298	1284	1523	1546	1438
2.TIA/possible stroke	126	124	127	103	81
3.Disp prev record and has	3	1	2	2	2
4.Disp prev record and no c	39	29	30	42	37

Value	S1STROK	S2STROK	S3STROK	S4STROK	S5STROK	S6STROK	S7STROK
.D=DK/NA		2	2	3	1	2	2
.M=Oth missing			2				
.R=RF					2	2	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.Y=Via preload+yes prev wv		240					
0.No	9604	12378	11183	13126	11934	10898	12198
1.Yes	296	393	631	738	714	650	694
2.TIA/possible stroke		75	62	80	57	73	69
3.Disp prev record and has					2	2	
4.Disp prev record and no c					20	12	9
5.Disp prev record (DK if c			35	31			

Value	S8STROK	S9STROK	S10STROK	S11STROK	S12STROK
.D=DK/NA	5	4	5	4	6
.M=Oth missing				1	
.R=RF	1	2	2		2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10955	9919	12672	11657	10274
1.Yes	694	658	763	747	694
2.TIA/possible stroke	63	55	61	55	36
3.Disp prev record and has			1	1	1
4.Disp prev record and no c	17	8	9	23	18

Value	R1STROKQ	R2STROKQ	R3STROKQ	R4STROKQ	R5STROKQ	R6STROKQ	R7STROKQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471
2.ReIvw,NoCond: have had si		10984	16733	15318	18113	15866	14684
3.ReIvw,Cond: last time sai			869	921	1064	908	910
4.ReIvw,Cond: skip question		323					
5.ReIvw/NewR: have ever had						1072	959
10.Ovrlap-93Ivw: have had [		107					
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1
15.ReIvw,Cond BUT Pre=NoCon		10	116	51	132	86	99
16.ReIvw,NoCond BUT Pre=Con			1				

Value	R8STROKQ	R9STROKQ	R10STROKQ	R11STROKQ	R12STROKQ
1.NewIvw: have had [ever]	207	143	6439	331	178
2.ReIvw,NoCond: have had si	16177	15200	13728	18017	16681
3.ReIvw,Cond: last time sai	962	971	892	1174	1151
5.ReIvw/NewR: have ever had	1020	816	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	6		11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon	96	87	87	90	77
16.ReIvw,NoCond BUT Pre=Con				1	

Value	S1STROKQ	S2STROKQ	S3STROKQ	S4STROKQ	S5STROKQ	S6STROKQ	S7STROKQ
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484
2.ReIvw,NoCond: have had si		8397	11123	9949	11839	10257	9371
3.ReIvw,Cond: last time sai			495	503	571	473	479
4.ReIvw,Cond: skip question		240					
5.ReIvw/NewR: have ever had						648	577
10.Ovrlap-93Ivw: have had [		104					
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1
15.ReIvw,Cond BUT Pre=NoCon			56	19	69	45	55

Value	S8STROKQ	S9STROKQ	S10STROKQ	S11STROKQ	S12STROKQ
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.NewIvw: have had [ever]	198	139	4096	313	167
2.ReIvw,NoCond: have had si	10295	9488	8430	10968	9891
3.ReIvw,Cond: last time sai	516	498	450	575	550
5.ReIvw/NewR: have ever had	668	474	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	6		11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon	51	47	41	44	43
16.ReIvw,NoCond BUT Pre=Con				1	

Value	R1PSYCH	R2PSYCH	R3PSYCH	R4PSYCH	R5PSYCH	R6PSYCH	R7PSYCH
.D=DK/NA		2	7	12	6	6	20
.M=Oth missing			2				
.R=RF		5	3	1	3	4	11
.T=Other			1				
.Y=Via preload+yes prev wv		1193					
0.No	11283	17090	15089	18086	16403	15115	16624
1.Yes	1369	1352	2467	2998	2873	2862	3215
3.Disp prev record and has					7	7	11
4.Disp prev record and no c					287	171	248
5.Disp prev record (DK if c			422	287			

Value	R8PSYCH	R9PSYCH	R10PSYCH	R11PSYCH	R12PSYCH
.D=DK/NA	18	15	31	27	25
.M=Oth missing	1			1	
.R=RF	3	3	5	3	10
0.No	15023	13907	17826	16442	14903
1.Yes	3227	3100	4002	3881	3636
3.Disp prev record and has	3	5	13	10	3
4.Disp prev record and no c	194	187	157	190	171

Value	S1PSYCH	S2PSYCH	S3PSYCH	S4PSYCH	S5PSYCH	S6PSYCH	S7PSYCH
.D=DK/NA		2	1	7	2	1	11
.M=Oth missing			2				
.R=RF		3		1	1	3	8
.T=Other			1				
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.Y=Via preload+yes prev wv		763					
0.No	8982	11540	10201	12118	10952	9976	11077
1.Yes	918	780	1453	1684	1613	1556	1742
3.Disp prev record and has					3	5	6
4.Disp prev record and no c					159	98	128
5.Disp prev record (DK if c			257	168			

Value	S8PSYCH	S9PSYCH	S10PSYCH	S11PSYCH	S12PSYCH
.D=DK/NA	8	7	10	13	11
.M=Oth missing				1	
.R=RF	2	2	1		3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9876	8912	11342	10387	9118
1.Yes	1738	1623	2085	1998	1818
3.Disp prev record and has	1	3	4	4	3
4.Disp prev record and no c	110	99	71	85	78

Value	R1PSYCHQ	R2PSYCHQ	R3PSYCHQ	R4PSYCHQ	R5PSYCHQ	R6PSYCHQ	R7PSYCHQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471
2.ReIvw,NoCond: have had si		10109	15419	14078	16663	14467	13259
3.ReIvw,Cond: last time sai			2285	2201	2642	2392	2434
4.ReIvw,Cond: skip question		1193					
5.ReIvw/NewR: have ever had						1072	959
10.Ovrlap-93Ivw: have had [		107					
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	
13.NewIvw BUT Pre=ReIvw,Con							1
15.ReIvw,Cond BUT Pre=NoCon		15	1	3			
16.ReIvw,NoCond BUT Pre=Con			14	8	4	1	

Value	R8PSYCHQ	R9PSYCHQ	R10PSYCHQ	R11PSYCHQ	R12PSYCHQ
1.NewIvw: have had [ever]	207	143	6439	331	178
2.ReIvw,NoCond: have had si	14510	13510	12108	15799	14560
3.ReIvw,Cond: last time sai	2725	2748	2599	3468	3326
5.ReIvw/NewR: have ever had	1020	816	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	6		11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				12	23
16.ReIvw,NoCond BUT Pre=Con				3	

Value	S1PSYCHQ	S2PSYCHQ	S3PSYCHQ	S4PSYCHQ	S5PSYCHQ	S6PSYCHQ	S7PSYCHQ
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484
2.ReIvw,NoCond: have had si		7868	10302	9223	11012	9464	8597
3.ReIvw,Cond: last time sai			1363	1241	1467	1311	1308
4.ReIvw,Cond: skip question		763					
5.ReIvw/NewR: have ever had						648	577
10.Ovrlap-93Ivw: have had [		104					
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	
13.NewIvw BUT Pre=ReIvw,Con							1
15.ReIvw,Cond BUT Pre=NoCon		6		2			
16.ReIvw,NoCond BUT Pre=Con			9	5			

Value	S8PSYCHQ	S9PSYCHQ	S10PSYCHQ	S11PSYCHQ	S12PSYCHQ
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.NewIvw: have had [ever]	198	139	4096	313	167
2.ReIvw,NoCond: have had si	9427	8599	7583	9827	8827
3.ReIvw,Cond: last time sai	1435	1434	1338	1754	1650
5.ReIvw/NewR: have ever had	668	474	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	6		11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				5	7
16.ReIvw,NoCond BUT Pre=Con				2	

Value	R1ARTHR	R2ARTHR	R3ARTHR	R4ARTHR	R5ARTHR	R6ARTHR	R7ARTHR
.D=DK/NA		11	4	21	9	24	23
.M=Oth missing			2				
.R=RF			2	1	6	2	2
.T=Other			1				
.Y=Via preload+yes prev wv		4241					
0.No	7880	12348	8497	9772	8117	7045	8349
1.Yes	4772	3042	9101	11257	11116	10840	11472
3.Disp prev record and has					14	9	9
4.Disp prev record and no c					317	245	274
5.Disp prev record (DK if c			384	333			

Value	R8ARTHR	R9ARTHR	R10ARTHR	R11ARTHR	R12ARTHR
.D=DK/NA	16	23	39	25	33
.M=Oth missing	1			1	
.R=RF	2	4	3	1	4
0.No	7169	6301	9775	8583	7479
1.Yes	11037	10587	11997	11669	11007
3.Disp prev record and has	6	5	8	5	1
4.Disp prev record and no c	238	297	212	270	224

Value	S1ARTHR	S2ARTHR	S3ARTHR	S4ARTHR	S5ARTHR	S6ARTHR	S7ARTHR
.D=DK/NA		5	4	9	6	11	12
.M=Oth missing			2				
.R=RF				1	2	2	1
.T=Other			1				
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.Y=Via preload+yes prev wv		3076					
0.No	6323	8325	5987	6919	5764	4883	5874
1.Yes	3577	1682	5643	6834	6746	6580	6916
3.Disp prev record and has					9	6	7
4.Disp prev record and no c					203	157	162
5.Disp prev record (DK if c			278	215			

Value	S8ARTHR	S9ARTHR	S10ARTHR	S11ARTHR	S12ARTHR
.D=DK/NA	4	12	15	10	12
.M=Oth missing				1	
.R=RF	1	2	1		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5004	4280	6473	5680	4872
1.Yes	6590	6167	6896	6637	6029
3.Disp prev record and has	3	2	3	3	
4.Disp prev record and no c	133	183	125	157	117

Value	R1ARTHRQ	R2ARTHRQ	R3ARTHRQ	R4ARTHRQ	R5ARTHRQ	R6ARTHRQ	R7ARTHRQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471
2.ReIvw,NoCond: have had si		7044	11104	8148	9210	7435	6357
3.ReIvw,Cond: last time sai			6612	8136	10099	9421	9336
4.ReIvw,Cond: skip question		4241					
5.ReIvw/NewR: have ever had						1072	959
10.Ovrlap-93Ivw: have had [		107					
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5
12.NewIvw BUT Pre=ReIvw,NoC		29		1			
13.NewIvw BUT Pre=ReIvw,Con						1	1
15.ReIvw,Cond BUT Pre=NoCon		32	3	4		4	
16.ReIvw,NoCond BUT Pre=Con				2			

Value	R8ARTHRQ	R9ARTHRQ	R10ARTHRQ	R11ARTHRQ	R12ARTHRQ
1.NewIvw: have had [ever]	207	143	6439	331	178
2.ReIvw,NoCond: have had si	7346	6584	5741	8724	7805
3.ReIvw,Cond: last time sai	9889	9674	8966	10540	10093
5.ReIvw/NewR: have ever had	1020	816	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	6		11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				16	10
16.ReIvw,NoCond BUT Pre=Con				2	1

Value	S1ARTHRQ	S2ARTHRQ	S3ARTHRQ	S4ARTHRQ	S5ARTHRQ	S6ARTHRQ	S7ARTHRQ
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484
2.ReIvw,NoCond: have had si		5543	7394	5589	6435	5117	4338
3.ReIvw,Cond: last time sai			4280	4877	6044	5656	5567
4.ReIvw,Cond: skip question		3076					
5.ReIvw/NewR: have ever had						648	577
10.Ovrlap-93Ivw: have had [		104					
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		28		1			
13.NewIvw BUT Pre=ReIvw,Con						1	1
15.ReIvw,Cond BUT Pre=NoCon		18		3		2	
16.ReIvw,NoCond BUT Pre=Con				2			

Value	S8ARTHRQ	S9ARTHRQ	S10ARTHRQ	S11ARTHRQ	S12ARTHRQ
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.NewIvw: have had [ever]	198	139	4096	313	167
2.ReIvw,NoCond: have had si	5038	4432	3798	5644	4991
3.ReIvw,Cond: last time sai	5824	5601	5123	5931	5487
5.ReIvw/NewR: have ever had	668	474	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	6		11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	1				
15.ReIvw,Cond BUT Pre=NoCon				11	5
16.ReIvw,NoCond BUT Pre=Con				2	1

Format Reference Tables – complete variable value labels

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Variables: ALZHE, ARTHR, CANCR, DEMEN, DIAB,
HEART, HIBP, LUNG, MEMRY, PSYCH, STROK
.D=DK/NA
.I=HRS impute=has cond
.J=HRS impute=no cond
.M=Oth missing
.P=Preload yes,but no prv wv
.R=RF
.S=Skip
.T=Other
.U=Unmarried
.V=Spouse NR
.Y=Via preload+yes prev wv
0.No
1.Yes
2.TIA/possible stroke
3.Disp prev record and has cond
4.Disp prev record and no cond
5.Disp prev record (DK if cond)
6.Preld prob:prev had/no new
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Variables: ALZHEQ, ARTHRQ, CANCRQ, DEMENQ, DIABQ,
HEARTQ, HIBPQ, LUNGQ, MEMRYQ, PSYCHQ, STROKQ
.T=Other
.U=Unmarried
.V=Spouse NR
1.NewIvw: have had [ever]
2.ReIvw,NoCond: have had since last Ivw
3.ReIvw,Cond: last time said had
4.ReIvw,Cond: skip question
5.ReIvw/NewR: have ever had
6.ReIvw,Cond: told had since last Ivw
10.Ovrlap-93Ivw: have had [ever]
11.ReIvw BUT Pre=NewIvw: have had [ever]
12.NewIvw BUT Pre=ReIvw,NoCond: have had since las
13.NewIvw BUT Pre=ReIvw,Cond: last time said had
14.NewIvw BUT Pre=ReIvw,Cond: skip question
15.ReIvw,Cond BUT Pre=NoCond: have had since last
16.ReIvw,NoCond BUT Pre=Cond: last time said had
17.ReIvw,NoCond BUT Pre=Cond: Skip question
18.NewIvw BUT Pre=ReIvw,Cond: told had since last
19.ReIvw,NoCond BUT Pre=Cond: told had since last
```

How Constructed

RwHIBP, RwDIAB, RwCANCR, RwLUNG, RwHEART, RwSTROK, RwPSYCH, and RwARTHR indicate the raw response to the question regarding whether or not a doctor has told the Respondent he/she had these conditions. The exact question wording depends on whether this is a first interview, whether the person being interviewed is the same as in the prior interview, and whether the condition was reported at a prior interview. RwHIBPQ, RwDIABQ, RwCANCRQ, RwLUNGQ, RwHEARTQ, RwSTROKQ, RwPSYCHQ, and RwARTHRQ indicate the question wording used, based on preload variables, and whether the preloaded information is correct.

The conditions are 1) high blood pressure or hypertension; 2) diabetes or high blood sugar; 3) cancer or a malignant tumor of any kind except skin cancer; 4) chronic lung disease except asthma such as chronic bronchitis or emphysema; 5) heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems; 6) stroke or transient ischemic attack (TIA); 7) emotional, nervous, or psychiatric problems; and 8)arthritis or rheumatism.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

Beginning in Wave 3, if reinterview and prior report of condition (3.ReIvw,Cond): "Our records from your last interview show that you have had ...," and the Respondent has the opportunity to dispute the statement.

In Wave 2H, if it is a reinterview and the condition is reported in Wave 1 (4.ReIvw,Cond), the question is skipped, except for the heart condition question which asks about the time since last interview (6.ReIvw,Cond: told had since last Ivw). Wave 2A is the first wave for AHEAD Respondents so they are all new interviews.

In Wave 2A, the HRS-AHEAD overlap cases are treated as though this is their first interview. These cases have a Wave 1 interview as part of the HRS cohort, but because of their ages, are given to AHEAD in 1993. So in both 1992 and 1993, they are asked: "Has a doctor ever told you that you have...." These cases are assigned a code of "10" in Wave 2A.

They may or may not have reported having the condition in Wave 1.

The "Q" variables have additional codes that indicate situations where the preload variables determine the question wording, but do not agree with the actual situation in prior waves. For example, "11" means that the Respondent has a prior interview, but the preload indicates this is a new interview, so the question asks if the Respondent has ever been told about a condition, and "15" means that the Respondent previously reported having a condition but the preload indicates a prior interview and no condition, so the question asks if the Respondent has been told about a condition since last interview. In the latter case, an answer of "No" is consistent with having been told of the condition at or before the last interview, but not since. Codes "18" and "19" apply only to the question about a heart condition in Wave 2H.

RwHIBP, RwDIAB, RwCANCR, RwLUNG, RwHEART, RwSTROK, RwPSYCH, and RwARTHR are recoded to reflect the answer given. The meaning of the answer depends on the question asked, so the analyst may want to consider these variables in conjunction with the corresponding "Q" variables. Generally, a "1" means "yes" and "0" means "no." Note that for a re-interview, when the condition was previously reported, a "1" in this variable simply means the Respondent did not dispute the statement about the records from last interview. In Waves 3 and 4, this can be disputed, but no follow-up as to whether the Respondent currently has the condition is done; these are assigned a code of "5." From Wave 5 forward, the interviewer is asked to probe for current condition if the statement is disputed; these are assigned a code of "3" or "4," depending on whether the Respondent says s/he has the condition now or not, respectively.

In Wave 2H, if the question is skipped because the preload indicates the condition was reported in Wave 1, the condition variable is set to .Y if the condition is indeed reported in Wave 1, and .P if the condition is not reported in Wave 1. R4HEART is set to "6" if the raw variable indicates that the incorrect question is asked due to a preload problem, and the Respondent reports no condition since last interview. These cases had previously reported a heart condition.

SwHIBP, SwDIAB, SwCANCR, SwLUNG, SwHEART, SwSTROK, SwPSYCH, SwARTHR, SwHIBPQ, SwDIABQ, SwCANCRQ, SwLUNGQ, SwHEARTQ, SwSTROKQ, SwPSYCHQ, and SwARTHRQ give this information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HIBP is taken from the Wave 3 spouse's R3HIBP variable.

Please see RwHIBPE, RwDIABE, RwCANCRE, RwLUNGE, RwHEARTE, RwSTROKE, RwPSYCHE, and RwARTHRE for variables that indicate whether the Respondent has ever reported having these conditions. The "E" variables consider answers from all previous waves, and not just the current one.

Please see the 'Change in Health' variables as well. Included there are variables that measure whether the individual conditions are new in a particular wave, i.e., reported as new since the last interview date. There is a summary measure for these new conditions as well.

Cross Wave Differences in Original HRS Data

A series of questions asks the Respondent if a doctor has ever diagnosed him/her with certain medical conditions. At a Respondent's first interview, the question asks:

"Has a doctor ever told you that you have ..."

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is

treated like a first interview and the ever question wording is used.

At subsequent interviews, the question wording depends on whether the appropriate preloaded variable indicates that the Respondent has said yes to the condition at a prior interview. If not, the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

What happens if the Respondent had reported a condition at a prior interview varies across waves. In Wave 2H, if the preloaded variable indicates that the Respondent reported the condition in Wave 1, no question is asked for most conditions. For heart problems, the above question is asked regardless of the preloaded variable value; if the preloaded variable indicates a Wave 1 heart problem, it is prefaced by a statement that a heart condition has already been reported.

Beginning in Wave 3, if the preloaded variable indicates that the Respondent reported a condition at a prior interview, a statement is read:

"Our records from your last interview show that you have had ..."

No explicit question is asked. If the Respondent disputes the statement voluntarily, this is recorded, but no follow-up on the current diagnosis of the condition is asked in Waves 3 and 4. Starting in Wave 5, if the Respondent disputes the statement, the interviewer is instructed to probe as to whether or not the Respondent has since been diagnosed with the condition. The dispute is recorded as "disputes previous wave record but now has the condition" or "disputes and does not have the condition," Most disputes are of the latter type. If the Respondent does not dispute the statement, the variable that indicates the diagnosis of the condition is set to "yes."

In Wave 4, an alternate variable is provided for the heart condition question (F1156A). Apparently a skip pattern problem in this wave causes some cases who had previously reported a heart condition to be asked if they'd been told they had one since last interview, and some respond "No." These cases are identified in F1156A.

In Wave 2A and from Wave 3 forward, a code for "possible stroke or transient ischemic attack (TIA)" is added, if the Respondent volunteered this information in answer to the question about strokes. This code is not available in Waves 1 and 2H. TIA is treated the same as a "yes" answer in deriving RwSTROKE, but is coded separately in RwSTROK.

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as: Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants.

HRS Variables Used

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HRS 1992:
    V325            B6:EVER HI BLD PRESS:IMP
    V328            B7:EVER DIAB/HI BLD :IMP
    V337            B9: CANCER/MALIGN TU:IMP
    V401            B15:CHRONIC LUNG DIS:IMP
    V406            B16:EVER HEART PROBL:IMP
    V417            B22:EVER HAD STROKE :IMP
    V422            B23:EMOT/NERV/PSYCH :IMP
    V426            B25:ARTHRITIS/RHEUMA:IMP
AHEAD 1993:
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    B215            B3. HIGH BLOOD PRESSURE EVER
    B219            B4. DIABETES: NOW
    B225            B5. CANCER EVER
    B235            B6. LUNG DISEASE: EVER
    B242            B7. HEART CONDITION: EVER
    B252            B8. STROKE: EVER
    B259            B9. PSYCHIATRIC PROBLEMS: EVER
    B265            B10. ARTHRITIS: PAST 12 MONTHS
HRS 1994:
    W2RESP          HRS Wave 2 Status Flag
    W328            B6a.HIGH BLOOD PRESSURE
    W331            B7.DIABETES/HIGH BLOOD S
    W339            B9.CANCER/MALIGNANT TUMO
    W362            B14.CHRONIC LUNG DISEASE
    W367            B15.HEART PROBLEMS EVER
    W368            B15.HEART CONDITIONS
    W379            B21.STROKE
    W384            B23.EMOTIONAL/NERVOUS/PS
    W387            B24.ARTHRITIS/RHEUMATISM
AHEAD 1995:
    D109            W1 R HIGH BP V215
    D110            W1 DIABETES V219
    D111            W1 CANCER V225
    D112            W1 LUNG V235
    D113            W1 HEART V244/245/252
    D114            W1 STROKE V254
    D115            W1 PSYCHIATRIC V259
    D116            W1 ARTHRITIS V265
    D370            W1 INTERV
    D781            B3.  HIGH BLOOD PRESSURE
    D788            B4. DIABETES
    D801            B5.CANCER
    D818            B6. LUNG
    D828            B7. HEART CONDITION
    D848            B9. STROKE
    D861            B10. PSYCHIATRIC
    D866            B11. ARTHRITIS
HRS 1996:
    E109            PREV WAVE R HIGH BP V215
    E110            PREV WAVE DIABETES V219
    E111            PREV WAVE CANCER V225
    E112            PREV WAVE LUNG V235
    E113            PREV WAVE HEART V244/245/252
    E114            PREV WAVE STROKE V254
    E115            PREV WAVE PSYCHIATRIC V259
    E116            PREV WAVE ARTHRITIS V265
    E370            PREV WAVE INTERV
    E781            B3.  HIGH BLOOD PRESSURE
    E788            B4. DIABETES
    E801            B5.CANCER
    E818            B6. LUNG
    E828            B7. HEART CONDITION
    E848            B9. STROKE
    E861            B10. PSYCHIATRIC
    E866            B11. ARTHRITIS
HRS 1998:
    F1109           B3.  HIGH BLOOD PRESSURE
    F1116           B4. DIABETES
    F1129           B5.CANCER
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    F1146           B6. LUNG
    F1156           B7. HEART CONDITION
    F1176           B9. STROKE
    F1189           B10. PSYCHIATRIC
    F1194           B11. ARTHRITIS
    F230            PREV WAVE R HIGH BP
    F231            PREV WAVE DIABETES
    F232            PREV WAVE CANCER
    F233            PREV WAVE LUNG
    F234            PREV WAVE HEART
    F235            PREV WAVE STROKE
    F236            PREV WAVE PSYCHIATRIC
    F237            PREV WAVE ARTHRITIS
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1238           B3.HIGH BLOOD PRESSURE
    G1245           B4. DIABETES
    G1262           B5.CANCER
    G1279           B6. LUNG
    G1289           B7. HEART CONDITION
    G1309           B9. STROKE
    G1322           B10. PSYCHIATRIC
    G1327           B11. ARTHRITIS
    G230            PR230.PREV WAVE R HIGH BP
    G231            PR231.PREV WAVE DIABETES
    G232            PR232.PREV WAVE CANCER
    G233            PR233.PREV WAVE LUNG
    G234            PR234.PREV WAVE HEART
    G235            PR235.PREV WAVE STROKE
    G236            PR236.PREV WAVE PSYCHIATRIC
    G237            PR237.PREV WAVE ARTHRITIS
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HA010           CURRENT - WAVE PROXY
    HC005           HIGH BLOOD PRESSURE
    HC010           DIABETES
    HC018           CANCER OF ANY KIND EXCLUDING SKIN
    HC030           LUNG DISEASE
    HC036           HEART CONDITION
    HC053           STROKE
    HC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    HC070           ARTHRITIS
    HZ076           R EVER INTERVIEWED
    HZ095           PREV WAVE IW SELF/PROXY
    HZ101           PREV WAVE R HAS HIGH BLOODPRESSURE
    HZ102           PREV WAVE R HAS DIABETES
    HZ103           PREV WAVE R HAS CANCER
    HZ104           PREV WAVE R HAS LUNG PROBLEMS
    HZ105           PREV WAVE R HAS HEART PROBLEMS
    HZ106           PREV WAVE R HAS HAD STROKE
    HZ107           PREV WAVE R HAS PSYCHIATRIC PROBLEMS
    HZ108           PREV WAVE R HAS ARTHRITIS
HRS 2004:
    JC005           HIGH BLOOD PRESSURE
    JC010           DIABETES
    JC018           CANCER OF ANY KIND EXCLUDING SKIN
    JC030           LUNG DISEASE
    JC036           HEART CONDITION
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    JC053           STROKE
    JC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    JC070           ARTHRITIS
    JC185           DIFFERENT REPORTER FROM PREV IW
    JZ076           R EVER INTERVIEWED
    JZ101           PREV WAVE R HAS HIGH BLOODPRESSURE
    JZ102           PREV WAVE R HAS DIABETES
    JZ103           PREV WAVE R HAS CANCER
    JZ104           PREV WAVE R HAS LUNG PROBLEMS
    JZ105           PREV WAVE R HAS HEART PROBLEMS
    JZ106           PREV WAVE R HAS HAD STROKE
    JZ107           PREV WAVE R HAS PSYCHIATRIC PROBLEMS
    JZ108           PREV WAVE R HAS ARTHRITIS
HRS 2006:
    KC005           HIGH BLOOD PRESSURE
    KC010           DIABETES
    KC018           CANCER OF ANY KIND EXCLUDING SKIN
    KC030           LUNG DISEASE
    KC036           HEART CONDITION
    KC053           STROKE
    KC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    KC070           ARTHRITIS
    KC185           DIFFERENT REPORTER FROM PREV IW
    KZ076           R EVER INTERVIEWED
    KZ101           PREV WAVE R HAS HIGH BLOODPRESSURE
    KZ102           PREV WAVE R HAS DIABETES
    KZ103           PREV WAVE R HAS CANCER
    KZ104           PREV WAVE R HAS LUNG PROBLEMS
    KZ105           PREV WAVE R HAS HEART PROBLEMS
    KZ106           PREV WAVE R HAS HAD STROKE
    KZ107           PREV WAVE R HAS PSYCHIATRIC PROBLEMS
    KZ108           PREV WAVE R HAS ARTHRITIS
HRS 2008:
    LC005           HIGH BLOOD PRESSURE
    LC010           DIABETES
    LC018           CANCER OF ANY KIND EXCLUDING SKIN
    LC030           LUNG DISEASE
    LC036           HEART CONDITION
    LC053           STROKE
    LC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    LC070           ARTHRITIS
    LC185           DIFFERENT REPORTER FROM PREV IW
    LZ076           R EVER INTERVIEWED
    LZ101           PREV WAVE R HAS HIGH BLOODPRESSURE
    LZ102           PREV WAVE R HAS DIABETES
    LZ103           PREV WAVE R HAS CANCER
    LZ104           PREV WAVE R HAS LUNG PROBLEMS
    LZ105           PREV WAVE R HAS HEART PROBLEMS
    LZ106           PREV WAVE R HAS HAD STROKE
    LZ107           PREV WAVE R HAS PSYCHIATRIC PROBLEMS
    LZ108           PREV WAVE R HAS ARTHRITIS
HRS 2010:
    MC005           HIGH BLOOD PRESSURE
    MC010           DIABETES
    MC018           CANCER OF ANY KIND EXCLUDING SKIN
    MC030           LUNG DISEASE
    MC036           HEART CONDITION
    MC053           STROKE
    MC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
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    MC070           ARTHRITIS
    MC185           DIFFERENT REPORTER FROM PREV IW
    MZ076           R EVER INTERVIEWED
    MZ101           PREV WAVE R HAS HIGH BLOODPRESSURE
    MZ102           PREV WAVE R HAS DIABETES
    MZ103           PREV WAVE R HAS CANCER
    MZ104           PREV WAVE R HAS LUNG PROBLEMS
    MZ105           PREV WAVE R HAS HEART PROBLEMS
    MZ106           PREV WAVE R HAS HAD STROKE
    MZ107           PREV WAVE R HAS PSYCHIATRIC PROBLEMS
    MZ108           PREV WAVE R HAS ARTHRITIS
HRS 2012:
    NC005           HIGH BLOOD PRESSURE
    NC010           DIABETES
    NC018           CANCER OF ANY KIND EXCLUDING SKIN
    NC030           LUNG DISEASE
    NC036           HEART CONDITION
    NC053           STROKE
    NC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    NC070           ARTHRITIS
    NC185           DIFFERENT REPORTER FROM PREV IW
    NZ076           R EVER INTERVIEWED
    NZ101           PREV WAVE R HAS HIGH BLOODPRESSURE
    NZ102           PREV WAVE R HAS DIABETES
    NZ103           PREV WAVE R HAS CANCER
    NZ104           PREV WAVE R HAS LUNG PROBLEMS
    NZ105           PREV WAVE R HAS HEART PROBLEMS
    NZ106           PREV WAVE R HAS HAD STROKE
    NZ107           PREV WAVE R HAS PSYCHIATRIC PROBLEMS
    NZ108           PREV WAVE R HAS ARTHRITIS
HRS 2014:
    OC005           HIGH BLOOD PRESSURE
    OC010           DIABETES
    OC018           CANCER OF ANY KIND EXCLUDING SKIN
    OC030           LUNG DISEASE
    OC036           HEART CONDITION
    OC053           STROKE
    OC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    OC070           ARTHRITIS
    OC185           DIFFERENT REPORTER FROM PREV IW
    OZ076           R EVER INTERVIEWED
    OZ101           PREV WAVE R HAS HIGH BLOODPRESSURE
    OZ102           PREV WAVE R HAS DIABETES
    OZ103           PREV WAVE R HAS CANCER
    OZ104           PREV WAVE R HAS LUNG PROBLEMS
    OZ105           PREV WAVE R HAS HEART PROBLEMS
    OZ106           PREV WAVE R HAS HAD STROKE
    OZ107           PREV WAVE R HAS PSYCHIATRIC PROBLEMS
    OZ108           PREV WAVE R HAS ARTHRITIS
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Doctor diagnosed health problems: Ever Have Condition

Wave	Variable	Label	Type
1	R1HIBPE	R1HIBPE:W1 R ever had high blood pressure	Categ
2	R2HIBPE	R2HIBPE:W2 R ever had high blood pressure	Categ
3	R3HIBPE	R3HIBPE:W3 R ever had high blood pressure	Categ
4	R4HIBPE	R4HIBPE:W4 R ever had high blood pressure	Categ
5	R5HIBPE	R5HIBPE:W5 R ever had high blood pressure	Categ
6	R6HIBPE	R6HIBPE:W6 R ever had high blood pressure	Categ
7	R7HIBPE	R7HIBPE:W7 R ever had high blood pressure	Categ
8	R8HIBPE	R8HIBPE:W8 R ever had high blood pressure	Categ
9	R9HIBPE	R9HIBPE:W9 R ever had high blood pressure	Categ
10	R10HIBPE	R10HIBPE:W10 R ever had high blood pressure	Categ
11	R11HIBPE	R11HIBPE:W11 R ever had high blood pressure	Categ
12	R12HIBPE	R12HIBPE:W12 R ever had high blood pressure	Categ
1	S1HIBPE	S1HIBPE:W1 S ever had high blood pressure	Categ
2	S2HIBPE	S2HIBPE:W2 S ever had high blood pressure	Categ
3	S3HIBPE	S3HIBPE:W3 S ever had high blood pressure	Categ
4	S4HIBPE	S4HIBPE:W4 S ever had high blood pressure	Categ
5	S5HIBPE	S5HIBPE:W5 S ever had high blood pressure	Categ
6	S6HIBPE	S6HIBPE:W6 S ever had high blood pressure	Categ
7	S7HIBPE	S7HIBPE:W7 S ever had high blood pressure	Categ
8	S8HIBPE	S8HIBPE:W8 S ever had high blood pressure	Categ
9	S9HIBPE	S9HIBPE:W9 S ever had high blood pressure	Categ
10	S10HIBPE	S10HIBPE:W10 S ever had high blood pressure	Categ
11	S11HIBPE	S11HIBPE:W11 S ever had high blood pressure	Categ
12	S12HIBPE	S12HIBPE:W12 S ever had high blood pressure	Categ
1	R1HIBPF	R1HIBPF:W1 Flag dispute chg hi BP	Categ
2	R2HIBPF	R2HIBPF:W2 Flag dispute chg hi BP	Categ
3	R3HIBPF	R3HIBPF:W3 Flag dispute chg hi BP	Categ
4	R4HIBPF	R4HIBPF:W4 Flag dispute chg hi BP	Categ
5	R5HIBPF	R5HIBPF:W5 Flag dispute chg hi BP	Categ
6	R6HIBPF	R6HIBPF:W6 Flag dispute chg hi BP	Categ
7	R7HIBPF	R7HIBPF:W7 Flag dispute chg hi BP	Categ
8	R8HIBPF	R8HIBPF:W8 Flag dispute chg hi BP	Categ
9	R9HIBPF	R9HIBPF:W9 Flag dispute chg hi BP	Categ
10	R10HIBPF	R10HIBPF:W10 Flag dispute chg hi BP	Categ
11	R11HIBPF	R11HIBPF:W11 Flag dispute chg hi BP	Categ
12	R12HIBPF	R12HIBPF:W12 Flag dispute chg hi BP	Categ
1	S1HIBPF	S1HIBPF:W1 Flag dispute chg hi BP	Categ
2	S2HIBPF	S2HIBPF:W2 Flag dispute chg hi BP	Categ
3	S3HIBPF	S3HIBPF:W3 Flag dispute chg hi BP	Categ
4	S4HIBPF	S4HIBPF:W4 Flag dispute chg hi BP	Categ
5	S5HIBPF	S5HIBPF:W5 Flag dispute chg hi BP	Categ
6	S6HIBPF	S6HIBPF:W6 Flag dispute chg hi BP	Categ
7	S7HIBPF	S7HIBPF:W7 Flag dispute chg hi BP	Categ
8	S8HIBPF	S8HIBPF:W8 Flag dispute chg hi BP	Categ
9	S9HIBPF	S9HIBPF:W9 Flag dispute chg hi BP	Categ
10	S10HIBPF	S10HIBPF:W10 Flag dispute chg hi BP	Categ
11	S11HIBPF	S11HIBPF:W11 Flag dispute chg hi BP	Categ
12	S12HIBPF	S12HIBPF:W12 Flag dispute chg hi BP	Categ
1	R1DIABE	R1DIABE:W1 R ever had diabetes	Categ
2	R2DIABE	R2DIABE:W2 R ever had diabetes	Categ
3	R3DIABE	R3DIABE:W3 R ever had diabetes	Categ
4	R4DIABE	R4DIABE:W4 R ever had diabetes	Categ
5	R5DIABE	R5DIABE:W5 R ever had diabetes	Categ
6	R6DIABE	R6DIABE:W6 R ever had diabetes	Categ
7	R7DIABE	R7DIABE:W7 R ever had diabetes	Categ
8	R8DIABE	R8DIABE:W8 R ever had diabetes	Categ
9	R9DIABE	R9DIABE:W9 R ever had diabetes	Categ
10	R10DIABE	R10DIABE:W10 R ever had diabetes	Categ
11	R11DIABE	R11DIABE:W11 R ever had diabetes	Categ
12	R12DIABE	R12DIABE:W12 R ever had diabetes	Categ
1	S1DIABE	S1DIABE:W1 S ever had diabetes	Categ

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 2    S2DIABE              S2DIABE:W2 S ever had diabetes                                Categ
 3    S3DIABE              S3DIABE:W3 S ever had diabetes                                Categ
 4    S4DIABE              S4DIABE:W4 S ever had diabetes                                Categ
 5    S5DIABE              S5DIABE:W5 S ever had diabetes                                Categ
 6    S6DIABE              S6DIABE:W6 S ever had diabetes                                Categ
 7    S7DIABE              S7DIABE:W7 S ever had diabetes                                Categ
 8    S8DIABE              S8DIABE:W8 S ever had diabetes                                Categ
 9    S9DIABE              S9DIABE:W9 S ever had diabetes                                Categ
10    S10DIABE             S10DIABE:W10 S ever had diabetes                              Categ
11    S11DIABE             S11DIABE:W11 S ever had diabetes                              Categ
12    S12DIABE             S12DIABE:W12 S ever had diabetes                              Categ

 1    R1DIABF              R1DIABF:W1 Flag dispute chg diabetes                          Categ
 2    R2DIABF              R2DIABF:W2 Flag dispute chg diabetes                          Categ
 3    R3DIABF              R3DIABF:W3 Flag dispute chg diabetes                          Categ
 4    R4DIABF              R4DIABF:W4 Flag dispute chg diabetes                          Categ
 5    R5DIABF              R5DIABF:W5 Flag dispute chg diabetes                          Categ
 6    R6DIABF              R6DIABF:W6 Flag dispute chg diabetes                          Categ
 7    R7DIABF              R7DIABF:W7 Flag dispute chg diabetes                          Categ
 8    R8DIABF              R8DIABF:W8 Flag dispute chg diabetes                          Categ
 9    R9DIABF              R9DIABF:W9 Flag dispute chg diabetes                          Categ
10    R10DIABF             R10DIABF:W10 Flag dispute chg diabetes                        Categ
11    R11DIABF             R11DIABF:W11 Flag dispute chg diabetes                        Categ
12    R12DIABF             R12DIABF:W12 Flag dispute chg diabetes                        Categ

 1    S1DIABF              S1DIABF:W1 Flag dispute chg diabetes                          Categ
 2    S2DIABF              S2DIABF:W2 Flag dispute chg diabetes                          Categ
 3    S3DIABF              S3DIABF:W3 Flag dispute chg diabetes                          Categ
 4    S4DIABF              S4DIABF:W4 Flag dispute chg diabetes                          Categ
 5    S5DIABF              S5DIABF:W5 Flag dispute chg diabetes                          Categ
 6    S6DIABF              S6DIABF:W6 Flag dispute chg diabetes                          Categ
 7    S7DIABF              S7DIABF:W7 Flag dispute chg diabetes                          Categ
 8    S8DIABF              S8DIABF:W8 Flag dispute chg diabetes                          Categ
 9    S9DIABF              S9DIABF:W9 Flag dispute chg diabetes                          Categ
10    S10DIABF             S10DIABF:W10 Flag dispute chg diabetes                        Categ
11    S11DIABF             S11DIABF:W11 Flag dispute chg diabetes                        Categ
12    S12DIABF             S12DIABF:W12 Flag dispute chg diabetes                        Categ

 1    R1CANCRE             R1CANCRE:W1 R ever had cancer                                 Categ
 2    R2CANCRE             R2CANCRE:W2 R ever had cancer                                 Categ
 3    R3CANCRE             R3CANCRE:W3 R ever had cancer                                 Categ
 4    R4CANCRE             R4CANCRE:W4 R ever had cancer                                 Categ
 5    R5CANCRE             R5CANCRE:W5 R ever had cancer                                 Categ
 6    R6CANCRE             R6CANCRE:W6 R ever had cancer                                 Categ
 7    R7CANCRE             R7CANCRE:W7 R ever had cancer                                 Categ
 8    R8CANCRE             R8CANCRE:W8 R ever had cancer                                 Categ
 9    R9CANCRE             R9CANCRE:W9 R ever had cancer                                 Categ
10    R10CANCRE            R10CANCRE:W10 R ever had cancer                               Categ
11    R11CANCRE            R11CANCRE:W11 R ever had cancer                               Categ
12    R12CANCRE            R12CANCRE:W12 R ever had cancer                               Categ

 1    S1CANCRE             S1CANCRE:W1 S ever had cancer                                 Categ
 2    S2CANCRE             S2CANCRE:W2 S ever had cancer                                 Categ
 3    S3CANCRE             S3CANCRE:W3 S ever had cancer                                 Categ
 4    S4CANCRE             S4CANCRE:W4 S ever had cancer                                 Categ
 5    S5CANCRE             S5CANCRE:W5 S ever had cancer                                 Categ
 6    S6CANCRE             S6CANCRE:W6 S ever had cancer                                 Categ
 7    S7CANCRE             S7CANCRE:W7 S ever had cancer                                 Categ
 8    S8CANCRE             S8CANCRE:W8 S ever had cancer                                 Categ
 9    S9CANCRE             S9CANCRE:W9 S ever had cancer                                 Categ
10    S10CANCRE            S10CANCRE:W10 S ever had cancer                               Categ
11    S11CANCRE            S11CANCRE:W11 S ever had cancer                               Categ
12    S12CANCRE            S12CANCRE:W12 S ever had cancer                               Categ

 1    R1CANCRF             R1CANCRF:W1 Flag dispute chg cancer                           Categ
 2    R2CANCRF             R2CANCRF:W2 Flag dispute chg cancer                           Categ
 3    R3CANCRF             R3CANCRF:W3 Flag dispute chg cancer                           Categ
 4    R4CANCRF             R4CANCRF:W4 Flag dispute chg cancer                           Categ
 5    R5CANCRF             R5CANCRF:W5 Flag dispute chg cancer                           Categ
 6    R6CANCRF             R6CANCRF:W6 Flag dispute chg cancer                           Categ
 7    R7CANCRF             R7CANCRF:W7 Flag dispute chg cancer                           Categ
 8    R8CANCRF             R8CANCRF:W8 Flag dispute chg cancer                           Categ
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9	R9CANCRF	R9CANCRF:W9 Flag dispute chg cancer	Categ
10	R10CANCRF	R10CANCRF:W10 Flag dispute chg cancer	Categ
11	R11CANCRF	R11CANCRF:W11 Flag dispute chg cancer	Categ
12	R12CANCRF	R12CANCRF:W12 Flag dispute chg cancer	Categ
1	S1CANCRF	S1CANCRF:W1 Flag dispute chg cancer	Categ
2	S2CANCRF	S2CANCRF:W2 Flag dispute chg cancer	Categ
3	S3CANCRF	S3CANCRF:W3 Flag dispute chg cancer	Categ
4	S4CANCRF	S4CANCRF:W4 Flag dispute chg cancer	Categ
5	S5CANCRF	S5CANCRF:W5 Flag dispute chg cancer	Categ
6	S6CANCRF	S6CANCRF:W6 Flag dispute chg cancer	Categ
7	S7CANCRF	S7CANCRF:W7 Flag dispute chg cancer	Categ
8	S8CANCRF	S8CANCRF:W8 Flag dispute chg cancer	Categ
9	S9CANCRF	S9CANCRF:W9 Flag dispute chg cancer	Categ
10	S10CANCRF	S10CANCRF:W10 Flag dispute chg cancer	Categ
11	S11CANCRF	S11CANCRF:W11 Flag dispute chg cancer	Categ
12	S12CANCRF	S12CANCRF:W12 Flag dispute chg cancer	Categ
1	R1LUNGE	R1LUNGE:W1 R ever had lung disease	Categ
2	R2LUNGE	R2LUNGE:W2 R ever had lung disease	Categ
3	R3LUNGE	R3LUNGE:W3 R ever had lung disease	Categ
4	R4LUNGE	R4LUNGE:W4 R ever had lung disease	Categ
5	R5LUNGE	R5LUNGE:W5 R ever had lung disease	Categ
6	R6LUNGE	R6LUNGE:W6 R ever had lung disease	Categ
7	R7LUNGE	R7LUNGE:W7 R ever had lung disease	Categ
8	R8LUNGE	R8LUNGE:W8 R ever had lung disease	Categ
9	R9LUNGE	R9LUNGE:W9 R ever had lung disease	Categ
10	R10LUNGE	R10LUNGE:W10 R ever had lung disease	Categ
11	R11LUNGE	R11LUNGE:W11 R ever had lung disease	Categ
12	R12LUNGE	R12LUNGE:W12 R ever had lung disease	Categ
1	S1LUNGE	S1LUNGE:W1 S ever had lung disease	Categ
2	S2LUNGE	S2LUNGE:W2 S ever had lung disease	Categ
3	S3LUNGE	S3LUNGE:W3 S ever had lung disease	Categ
4	S4LUNGE	S4LUNGE:W4 S ever had lung disease	Categ
5	S5LUNGE	S5LUNGE:W5 S ever had lung disease	Categ
6	S6LUNGE	S6LUNGE:W6 S ever had lung disease	Categ
7	S7LUNGE	S7LUNGE:W7 S ever had lung disease	Categ
8	S8LUNGE	S8LUNGE:W8 S ever had lung disease	Categ
9	S9LUNGE	S9LUNGE:W9 S ever had lung disease	Categ
10	S10LUNGE	S10LUNGE:W10 S ever had lung disease	Categ
11	S11LUNGE	S11LUNGE:W11 S ever had lung disease	Categ
12	S12LUNGE	S12LUNGE:W12 S ever had lung disease	Categ
1	R1LUNGF	R1LUNGF:W1 Flag dispute chg lung disease	Categ
2	R2LUNGF	R2LUNGF:W2 Flag dispute chg lung disease	Categ
3	R3LUNGF	R3LUNGF:W3 Flag dispute chg lung disease	Categ
4	R4LUNGF	R4LUNGF:W4 Flag dispute chg lung disease	Categ
5	R5LUNGF	R5LUNGF:W5 Flag dispute chg lung disease	Categ
6	R6LUNGF	R6LUNGF:W6 Flag dispute chg lung disease	Categ
7	R7LUNGF	R7LUNGF:W7 Flag dispute chg lung disease	Categ
8	R8LUNGF	R8LUNGF:W8 Flag dispute chg lung disease	Categ
9	R9LUNGF	R9LUNGF:W9 Flag dispute chg lung disease	Categ
10	R10LUNGF	R10LUNGF:W10 Flag dispute chg lung disease	Categ
11	R11LUNGF	R11LUNGF:W11 Flag dispute chg lung disease	Categ
12	R12LUNGF	R12LUNGF:W12 Flag dispute chg lung disease	Categ
1	S1LUNGF	S1LUNGF:W1 Flag dispute chg lung disease	Categ
2	S2LUNGF	S2LUNGF:W2 Flag dispute chg lung disease	Categ
3	S3LUNGF	S3LUNGF:W3 Flag dispute chg lung disease	Categ
4	S4LUNGF	S4LUNGF:W4 Flag dispute chg lung disease	Categ
5	S5LUNGF	S5LUNGF:W5 Flag dispute chg lung disease	Categ
6	S6LUNGF	S6LUNGF:W6 Flag dispute chg lung disease	Categ
7	S7LUNGF	S7LUNGF:W7 Flag dispute chg lung disease	Categ
8	S8LUNGF	S8LUNGF:W8 Flag dispute chg lung disease	Categ
9	S9LUNGF	S9LUNGF:W9 Flag dispute chg lung disease	Categ
10	S10LUNGF	S10LUNGF:W10 Flag dispute chg lung disease	Categ
11	S11LUNGF	S11LUNGF:W11 Flag dispute chg lung disease	Categ
12	S12LUNGF	S12LUNGF:W12 Flag dispute chg lung disease	Categ
1	R1HEARTE	R1HEARTE:W1 R ever had heart problems	Categ
2	R2HEARTE	R2HEARTE:W2 R ever had heart problems	Categ

3	R3HEARTE	R3HEARTE:W3 R ever had heart problems	Categ
4	R4HEARTE	R4HEARTE:W4 R ever had heart problems	Categ
5	R5HEARTE	R5HEARTE:W5 R ever had heart problems	Categ
6	R6HEARTE	R6HEARTE:W6 R ever had heart problems	Categ
7	R7HEARTE	R7HEARTE:W7 R ever had heart problems	Categ
8	R8HEARTE	R8HEARTE:W8 R ever had heart problems	Categ
9	R9HEARTE	R9HEARTE:W9 R ever had heart problems	Categ
10	R10HEARTE	R10HEARTE:W10 R ever had heart problems	Categ
11	R11HEARTE	R11HEARTE:W11 R ever had heart problems	Categ
12	R12HEARTE	R12HEARTE:W12 R ever had heart problems	Categ
1	S1HEARTE	S1HEARTE:W1 S ever had heart problems	Categ
2	S2HEARTE	S2HEARTE:W2 S ever had heart problems	Categ
3	S3HEARTE	S3HEARTE:W3 S ever had heart problems	Categ
4	S4HEARTE	S4HEARTE:W4 S ever had heart problems	Categ
5	S5HEARTE	S5HEARTE:W5 S ever had heart problems	Categ
6	S6HEARTE	S6HEARTE:W6 S ever had heart problems	Categ
7	S7HEARTE	S7HEARTE:W7 S ever had heart problems	Categ
8	S8HEARTE	S8HEARTE:W8 S ever had heart problems	Categ
9	S9HEARTE	S9HEARTE:W9 S ever had heart problems	Categ
10	S10HEARTE	S10HEARTE:W10 S ever had heart problems	Categ
11	S11HEARTE	S11HEARTE:W11 S ever had heart problems	Categ
12	S12HEARTE	S12HEARTE:W12 S ever had heart problems	Categ
1	R1HEARTF	R1HEARTF:W1 Flag dispute chg heart prob	Categ
2	R2HEARTF	R2HEARTF:W2 Flag dispute chg heart prob	Categ
3	R3HEARTF	R3HEARTF:W3 Flag dispute chg heart prob	Categ
4	R4HEARTF	R4HEARTF:W4 Flag dispute chg heart prob	Categ
5	R5HEARTF	R5HEARTF:W5 Flag dispute chg heart prob	Categ
6	R6HEARTF	R6HEARTF:W6 Flag dispute chg heart prob	Categ
7	R7HEARTF	R7HEARTF:W7 Flag dispute chg heart prob	Categ
8	R8HEARTF	R8HEARTF:W8 Flag dispute chg heart prob	Categ
9	R9HEARTF	R9HEARTF:W9 Flag dispute chg heart prob	Categ
10	R10HEARTF	R10HEARTF:W10 Flag dispute chg heart prob	Categ
11	R11HEARTF	R11HEARTF:W11 Flag dispute chg heart prob	Categ
12	R12HEARTF	R12HEARTF:W12 Flag dispute chg heart prob	Categ
1	S1HEARTF	S1HEARTF:W1 Flag dispute chg heart prob	Categ
2	S2HEARTF	S2HEARTF:W2 Flag dispute chg heart prob	Categ
3	S3HEARTF	S3HEARTF:W3 Flag dispute chg heart prob	Categ
4	S4HEARTF	S4HEARTF:W4 Flag dispute chg heart prob	Categ
5	S5HEARTF	S5HEARTF:W5 Flag dispute chg heart prob	Categ
6	S6HEARTF	S6HEARTF:W6 Flag dispute chg heart prob	Categ
7	S7HEARTF	S7HEARTF:W7 Flag dispute chg heart prob	Categ
8	S8HEARTF	S8HEARTF:W8 Flag dispute chg heart prob	Categ
9	S9HEARTF	S9HEARTF:W9 Flag dispute chg heart prob	Categ
10	S10HEARTF	S10HEARTF:W10 Flag dispute chg heart prob	Categ
11	S11HEARTF	S11HEARTF:W11 Flag dispute chg heart prob	Categ
12	S12HEARTF	S12HEARTF:W12 Flag dispute chg heart prob	Categ
1	R1STROKE	R1STROKE:W1 R ever had stroke	Categ
2	R2STROKE	R2STROKE:W2 R ever had stroke	Categ
3	R3STROKE	R3STROKE:W3 R ever had stroke	Categ
4	R4STROKE	R4STROKE:W4 R ever had stroke	Categ
5	R5STROKE	R5STROKE:W5 R ever had stroke	Categ
6	R6STROKE	R6STROKE:W6 R ever had stroke	Categ
7	R7STROKE	R7STROKE:W7 R ever had stroke	Categ
8	R8STROKE	R8STROKE:W8 R ever had stroke	Categ
9	R9STROKE	R9STROKE:W9 R ever had stroke	Categ
10	R10STROKE	R10STROKE:W10 R ever had stroke	Categ
11	R11STROKE	R11STROKE:W11 R ever had stroke	Categ
12	R12STROKE	R12STROKE:W12 R ever had stroke	Categ
1	S1STROKE	S1STROKE:W1 S ever had stroke	Categ
2	S2STROKE	S2STROKE:W2 S ever had stroke	Categ
3	S3STROKE	S3STROKE:W3 S ever had stroke	Categ
4	S4STROKE	S4STROKE:W4 S ever had stroke	Categ
5	S5STROKE	S5STROKE:W5 S ever had stroke	Categ
6	S6STROKE	S6STROKE:W6 S ever had stroke	Categ
7	S7STROKE	S7STROKE:W7 S ever had stroke	Categ
8	S8STROKE	S8STROKE:W8 S ever had stroke	Categ
9	S9STROKE	S9STROKE:W9 S ever had stroke	Categ

10	S10STROKE	S10STROKE:W10 S ever had stroke	Categ
11	S11STROKE	S11STROKE:W11 S ever had stroke	Categ
12	S12STROKE	S12STROKE:W12 S ever had stroke	Categ
1	R1STROKF	R1STROKF:W1 Flag dispute chg stroke	Categ
2	R2STROKF	R2STROKF:W2 Flag dispute chg stroke	Categ
3	R3STROKF	R3STROKF:W3 Flag dispute chg stroke	Categ
4	R4STROKF	R4STROKF:W4 Flag dispute chg stroke	Categ
5	R5STROKF	R5STROKF:W5 Flag dispute chg stroke	Categ
6	R6STROKF	R6STROKF:W6 Flag dispute chg stroke	Categ
7	R7STROKF	R7STROKF:W7 Flag dispute chg stroke	Categ
8	R8STROKF	R8STROKF:W8 Flag dispute chg stroke	Categ
9	R9STROKF	R9STROKF:W9 Flag dispute chg stroke	Categ
10	R10STROKF	R10STROKF:W10 Flag dispute chg stroke	Categ
11	R11STROKF	R11STROKF:W11 Flag dispute chg stroke	Categ
12	R12STROKF	R12STROKF:W12 Flag dispute chg stroke	Categ
1	S1STROKF	S1STROKF:W1 Flag dispute chg stroke	Categ
2	S2STROKF	S2STROKF:W2 Flag dispute chg stroke	Categ
3	S3STROKF	S3STROKF:W3 Flag dispute chg stroke	Categ
4	S4STROKF	S4STROKF:W4 Flag dispute chg stroke	Categ
5	S5STROKF	S5STROKF:W5 Flag dispute chg stroke	Categ
6	S6STROKF	S6STROKF:W6 Flag dispute chg stroke	Categ
7	S7STROKF	S7STROKF:W7 Flag dispute chg stroke	Categ
8	S8STROKF	S8STROKF:W8 Flag dispute chg stroke	Categ
9	S9STROKF	S9STROKF:W9 Flag dispute chg stroke	Categ
10	S10STROKF	S10STROKF:W10 Flag dispute chg stroke	Categ
11	S11STROKF	S11STROKF:W11 Flag dispute chg stroke	Categ
12	S12STROKF	S12STROKF:W12 Flag dispute chg stroke	Categ
1	R1PSYCHE	R1PSYCHE:W1 R ever had psych problems	Categ
2	R2PSYCHE	R2PSYCHE:W2 R ever had psych problems	Categ
3	R3PSYCHE	R3PSYCHE:W3 R ever had psych problems	Categ
4	R4PSYCHE	R4PSYCHE:W4 R ever had psych problems	Categ
5	R5PSYCHE	R5PSYCHE:W5 R ever had psych problems	Categ
6	R6PSYCHE	R6PSYCHE:W6 R ever had psych problems	Categ
7	R7PSYCHE	R7PSYCHE:W7 R ever had psych problems	Categ
8	R8PSYCHE	R8PSYCHE:W8 R ever had psych problems	Categ
9	R9PSYCHE	R9PSYCHE:W9 R ever had psych problems	Categ
10	R10PSYCHE	R10PSYCHE:W10 R ever had psych problems	Categ
11	R11PSYCHE	R11PSYCHE:W11 R ever had psych problems	Categ
12	R12PSYCHE	R12PSYCHE:W12 R ever had psych problems	Categ
1	S1PSYCHE	S1PSYCHE:W1 S ever had psych problems	Categ
2	S2PSYCHE	S2PSYCHE:W2 S ever had psych problems	Categ
3	S3PSYCHE	S3PSYCHE:W3 S ever had psych problems	Categ
4	S4PSYCHE	S4PSYCHE:W4 S ever had psych problems	Categ
5	S5PSYCHE	S5PSYCHE:W5 S ever had psych problems	Categ
6	S6PSYCHE	S6PSYCHE:W6 S ever had psych problems	Categ
7	S7PSYCHE	S7PSYCHE:W7 S ever had psych problems	Categ
8	S8PSYCHE	S8PSYCHE:W8 S ever had psych problems	Categ
9	S9PSYCHE	S9PSYCHE:W9 S ever had psych problems	Categ
10	S10PSYCHE	S10PSYCHE:W10 S ever had psych problems	Categ
11	S11PSYCHE	S11PSYCHE:W11 S ever had psych problems	Categ
12	S12PSYCHE	S12PSYCHE:W12 S ever had psych problems	Categ
1	R1PSYCHF	R1PSYCHF:W1 Flag dispute chg psych probs	Categ
2	R2PSYCHF	R2PSYCHF:W2 Flag dispute chg psych probs	Categ
3	R3PSYCHF	R3PSYCHF:W3 Flag dispute chg psych probs	Categ
4	R4PSYCHF	R4PSYCHF:W4 Flag dispute chg psych probs	Categ
5	R5PSYCHF	R5PSYCHF:W5 Flag dispute chg psych probs	Categ
6	R6PSYCHF	R6PSYCHF:W6 Flag dispute chg psych probs	Categ
7	R7PSYCHF	R7PSYCHF:W7 Flag dispute chg psych probs	Categ
8	R8PSYCHF	R8PSYCHF:W8 Flag dispute chg psych probs	Categ
9	R9PSYCHF	R9PSYCHF:W9 Flag dispute chg psych probs	Categ
10	R10PSYCHF	R10PSYCHF:W10 Flag dispute chg psych probs	Categ
11	R11PSYCHF	R11PSYCHF:W11 Flag dispute chg psych probs	Categ
12	R12PSYCHF	R12PSYCHF:W12 Flag dispute chg psych probs	Categ
1	S1PSYCHF	S1PSYCHF:W1 Flag dispute chg psych probs	Categ
2	S2PSYCHF	S2PSYCHF:W2 Flag dispute chg psych probs	Categ
3	S3PSYCHF	S3PSYCHF:W3 Flag dispute chg psych probs	Categ

4	S4PSYCHF	S4PSYCHF:W4 Flag dispute chg psych probs	Categ
5	S5PSYCHF	S5PSYCHF:W5 Flag dispute chg psych probs	Categ
6	S6PSYCHF	S6PSYCHF:W6 Flag dispute chg psych probs	Categ
7	S7PSYCHF	S7PSYCHF:W7 Flag dispute chg psych probs	Categ
8	S8PSYCHF	S8PSYCHF:W8 Flag dispute chg psych probs	Categ
9	S9PSYCHF	S9PSYCHF:W9 Flag dispute chg psych probs	Categ
10	S10PSYCHF	S10PSYCHF:W10 Flag dispute chg psych probs	Categ
11	S11PSYCHF	S11PSYCHF:W11 Flag dispute chg psych probs	Categ
12	S12PSYCHF	S12PSYCHF:W12 Flag dispute chg psych probs	Categ
1	R1ARTHRE	R1ARTHRE:W1 R ever had arthritis	Categ
2	R2ARTHRE	R2ARTHRE:W2 R ever had arthritis	Categ
3	R3ARTHRE	R3ARTHRE:W3 R ever had arthritis	Categ
4	R4ARTHRE	R4ARTHRE:W4 R ever had arthritis	Categ
5	R5ARTHRE	R5ARTHRE:W5 R ever had arthritis	Categ
6	R6ARTHRE	R6ARTHRE:W6 R ever had arthritis	Categ
7	R7ARTHRE	R7ARTHRE:W7 R ever had arthritis	Categ
8	R8ARTHRE	R8ARTHRE:W8 R ever had arthritis	Categ
9	R9ARTHRE	R9ARTHRE:W9 R ever had arthritis	Categ
10	R10ARTHRE	R10ARTHRE:W10 R ever had arthritis	Categ
11	R11ARTHRE	R11ARTHRE:W11 R ever had arthritis	Categ
12	R12ARTHRE	R12ARTHRE:W12 R ever had arthritis	Categ
1	S1ARTHRE	S1ARTHRE:W1 S ever had arthritis	Categ
2	S2ARTHRE	S2ARTHRE:W2 S ever had arthritis	Categ
3	S3ARTHRE	S3ARTHRE:W3 S ever had arthritis	Categ
4	S4ARTHRE	S4ARTHRE:W4 S ever had arthritis	Categ
5	S5ARTHRE	S5ARTHRE:W5 S ever had arthritis	Categ
6	S6ARTHRE	S6ARTHRE:W6 S ever had arthritis	Categ
7	S7ARTHRE	S7ARTHRE:W7 S ever had arthritis	Categ
8	S8ARTHRE	S8ARTHRE:W8 S ever had arthritis	Categ
9	S9ARTHRE	S9ARTHRE:W9 S ever had arthritis	Categ
10	S10ARTHRE	S10ARTHRE:W10 S ever had arthritis	Categ
11	S11ARTHRE	S11ARTHRE:W11 S ever had arthritis	Categ
12	S12ARTHRE	S12ARTHRE:W12 S ever had arthritis	Categ
1	R1ARTHRF	R1ARTHRF:W1 Flag dispute chg arthritis	Categ
2	R2ARTHRF	R2ARTHRF:W2 Flag dispute chg arthritis	Categ
3	R3ARTHRF	R3ARTHRF:W3 Flag dispute chg arthritis	Categ
4	R4ARTHRF	R4ARTHRF:W4 Flag dispute chg arthritis	Categ
5	R5ARTHRF	R5ARTHRF:W5 Flag dispute chg arthritis	Categ
6	R6ARTHRF	R6ARTHRF:W6 Flag dispute chg arthritis	Categ
7	R7ARTHRF	R7ARTHRF:W7 Flag dispute chg arthritis	Categ
8	R8ARTHRF	R8ARTHRF:W8 Flag dispute chg arthritis	Categ
9	R9ARTHRF	R9ARTHRF:W9 Flag dispute chg arthritis	Categ
10	R10ARTHRF	R10ARTHRF:W10 Flag dispute chg arthritis	Categ
11	R11ARTHRF	R11ARTHRF:W11 Flag dispute chg arthritis	Categ
12	R12ARTHRF	R12ARTHRF:W12 Flag dispute chg arthritis	Categ
1	S1ARTHRF	S1ARTHRF:W1 Flag dispute chg arthritis	Categ
2	S2ARTHRF	S2ARTHRF:W2 Flag dispute chg arthritis	Categ
3	S3ARTHRF	S3ARTHRF:W3 Flag dispute chg arthritis	Categ
4	S4ARTHRF	S4ARTHRF:W4 Flag dispute chg arthritis	Categ
5	S5ARTHRF	S5ARTHRF:W5 Flag dispute chg arthritis	Categ
6	S6ARTHRF	S6ARTHRF:W6 Flag dispute chg arthritis	Categ
7	S7ARTHRF	S7ARTHRF:W7 Flag dispute chg arthritis	Categ
8	S8ARTHRF	S8ARTHRF:W8 Flag dispute chg arthritis	Categ
9	S9ARTHRF	S9ARTHRF:W9 Flag dispute chg arthritis	Categ
10	S10ARTHRF	S10ARTHRF:W10 Flag dispute chg arthritis	Categ
11	S11ARTHRF	S11ARTHRF:W11 Flag dispute chg arthritis	Categ
12	S12ARTHRF	S12ARTHRF:W12 Flag dispute chg arthritis	Categ
1	R1CONDE	R1CONDE:W1 Sum of conditions ever had	Cont
2	R2CONDE	R2CONDE:W2 Sum of conditions ever had	Cont
3	R3CONDE	R3CONDE:W3 Sum of conditions ever had	Cont
4	R4CONDE	R4CONDE:W4 Sum of conditions ever had	Cont
5	R5CONDE	R5CONDE:W5 Sum of conditions ever had	Cont
6	R6CONDE	R6CONDE:W6 Sum of conditions ever had	Cont
7	R7CONDE	R7CONDE:W7 Sum of conditions ever had	Cont
8	R8CONDE	R8CONDE:W8 Sum of conditions ever had	Cont
9	R9CONDE	R9CONDE:W9 Sum of conditions ever had	Cont
10	R10CONDE	R10CONDE:W10 Sum of conditions ever had	Cont

11	R11CONDE	R11CONDE:W11 Sum of conditions ever had	Cont
12	R12CONDE	R12CONDE:W12 Sum of conditions ever had	Cont
1	S1CONDE	S1CONDE:W1 Sum of conditions ever had	Cont
2	S2CONDE	S2CONDE:W2 Sum of conditions ever had	Cont
3	S3CONDE	S3CONDE:W3 Sum of conditions ever had	Cont
4	S4CONDE	S4CONDE:W4 Sum of conditions ever had	Cont
5	S5CONDE	S5CONDE:W5 Sum of conditions ever had	Cont
6	S6CONDE	S6CONDE:W6 Sum of conditions ever had	Cont
7	S7CONDE	S7CONDE:W7 Sum of conditions ever had	Cont
8	S8CONDE	S8CONDE:W8 Sum of conditions ever had	Cont
9	S9CONDE	S9CONDE:W9 Sum of conditions ever had	Cont
10	S10CONDE	S10CONDE:W10 Sum of conditions ever had	Cont
11	S11CONDE	S11CONDE:W11 Sum of conditions ever had	Cont
12	S12CONDE	S12CONDE:W12 Sum of conditions ever had	Cont
1	R1CONDEF	R1CONDEF:W1 # chg from dispute/sum ever	Cont
2	R2CONDEF	R2CONDEF:W2 # chg from dispute/sum ever	Cont
3	R3CONDEF	R3CONDEF:W3 # chg from dispute/sum ever	Cont
4	R4CONDEF	R4CONDEF:W4 # chg from dispute/sum ever	Cont
5	R5CONDEF	R5CONDEF:W5 # chg from dispute/sum ever	Cont
6	R6CONDEF	R6CONDEF:W6 # chg from dispute/sum ever	Cont
7	R7CONDEF	R7CONDEF:W7 # chg from dispute/sum ever	Cont
8	R8CONDEF	R8CONDEF:W8 # chg from dispute/sum ever	Cont
9	R9CONDEF	R9CONDEF:W9 # chg from dispute/sum ever	Cont
10	R10CONDEF	R10CONDEF:W10 # chg from dispute/sum ever	Cont
11	R11CONDEF	R11CONDEF:W11 # chg from dispute/sum ever	Cont
12	R12CONDEF	R12CONDEF:W12 # chg from dispute/sum ever	Cont
1	S1CONDEF	S1CONDEF:W1 # chg from dispute/sum ever	Cont
2	S2CONDEF	S2CONDEF:W2 # chg from dispute/sum ever	Cont
3	S3CONDEF	S3CONDEF:W3 # chg from dispute/sum ever	Cont
4	S4CONDEF	S4CONDEF:W4 # chg from dispute/sum ever	Cont
5	S5CONDEF	S5CONDEF:W5 # chg from dispute/sum ever	Cont
6	S6CONDEF	S6CONDEF:W6 # chg from dispute/sum ever	Cont
7	S7CONDEF	S7CONDEF:W7 # chg from dispute/sum ever	Cont
8	S8CONDEF	S8CONDEF:W8 # chg from dispute/sum ever	Cont
9	S9CONDEF	S9CONDEF:W9 # chg from dispute/sum ever	Cont
10	S10CONDEF	S10CONDEF:W10 # chg from dispute/sum ever	Cont
11	S11CONDEF	S11CONDEF:W11 # chg from dispute/sum ever	Cont
12	S12CONDEF	S12CONDEF:W12 # chg from dispute/sum ever	Cont
1	R1CONDEM	R1CONDEM:W1 # missings in sum cond ever	Cont
2	R2CONDEM	R2CONDEM:W2 # missings in sum cond ever	Cont
3	R3CONDEM	R3CONDEM:W3 # missings in sum cond ever	Cont
4	R4CONDEM	R4CONDEM:W4 # missings in sum cond ever	Cont
5	R5CONDEM	R5CONDEM:W5 # missings in sum cond ever	Cont
6	R6CONDEM	R6CONDEM:W6 # missings in sum cond ever	Cont
7	R7CONDEM	R7CONDEM:W7 # missings in sum cond ever	Cont
8	R8CONDEM	R8CONDEM:W8 # missings in sum cond ever	Cont
9	R9CONDEM	R9CONDEM:W9 # missings in sum cond ever	Cont
10	R10CONDEM	R10CONDEM:W10 # missings in sum cond ever	Cont
11	R11CONDEM	R11CONDEM:W11 # missings in sum cond ever	Cont
12	R12CONDEM	R12CONDEM:W12 # missings in sum cond ever	Cont
1	S1CONDEM	S1CONDEM:W1 # missings in sum cond ever	Cont
2	S2CONDEM	S2CONDEM:W2 # missings in sum cond ever	Cont
3	S3CONDEM	S3CONDEM:W3 # missings in sum cond ever	Cont
4	S4CONDEM	S4CONDEM:W4 # missings in sum cond ever	Cont
5	S5CONDEM	S5CONDEM:W5 # missings in sum cond ever	Cont
6	S6CONDEM	S6CONDEM:W6 # missings in sum cond ever	Cont
7	S7CONDEM	S7CONDEM:W7 # missings in sum cond ever	Cont
8	S8CONDEM	S8CONDEM:W8 # missings in sum cond ever	Cont
9	S9CONDEM	S9CONDEM:W9 # missings in sum cond ever	Cont
10	S10CONDEM	S10CONDEM:W10 # missings in sum cond ever	Cont
11	S11CONDEM	S11CONDEM:W11 # missings in sum cond ever	Cont
12	S12CONDEM	S12CONDEM:W12 # missings in sum cond ever	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIBPE	12652	0.33	0.47	0.0	1.0
R2HIBPE	19630	0.40	0.49	0.0	1.0
R3HIBPE	17975	0.42	0.49	0.0	1.0
R4HIBPE	21362	0.43	0.50	0.0	1.0
R5HIBPE	19559	0.46	0.50	0.0	1.0
R6HIBPE	18143	0.50	0.50	0.0	1.0
R7HIBPE	20100	0.51	0.50	0.0	1.0
R8HIBPE	18441	0.55	0.50	0.0	1.0
R9HIBPE	17183	0.59	0.49	0.0	1.0
R10HIBPE	21991	0.57	0.49	0.0	1.0
R11HIBPE	20509	0.60	0.49	0.0	1.0
R12HIBPE	18699	0.63	0.48	0.0	1.0
S1HIBPE	9900	0.32	0.46	0.0	1.0
S2HIBPE	13084	0.37	0.48	0.0	1.0
S3HIBPE	11908	0.39	0.49	0.0	1.0
S4HIBPE	13968	0.40	0.49	0.0	1.0
S5HIBPE	12722	0.44	0.50	0.0	1.0
S6HIBPE	11628	0.48	0.50	0.0	1.0
S7HIBPE	12962	0.48	0.50	0.0	1.0
S8HIBPE	11727	0.52	0.50	0.0	1.0
S9HIBPE	10631	0.55	0.50	0.0	1.0
S10HIBPE	13494	0.54	0.50	0.0	1.0
S11HIBPE	12462	0.57	0.49	0.0	1.0
S12HIBPE	11005	0.59	0.49	0.0	1.0
R1HIBPF	12652	0.50	1.55	0.0	6.0
R2HIBPF	19642	0.49	1.56	0.0	6.0
R3HIBPF	17991	0.47	1.45	0.0	6.0
R4HIBPF	21384	0.38	1.33	0.0	6.0
R5HIBPF	19579	0.35	1.27	0.0	8.0
R6HIBPF	18165	0.39	1.48	0.0	10.0
R7HIBPF	20129	0.33	1.37	0.0	10.0
R8HIBPF	18469	0.31	1.34	0.0	10.0
R9HIBPF	17217	0.26	1.23	0.0	10.0
R10HIBPF	22034	0.20	1.12	0.0	10.0
R11HIBPF	20554	0.15	0.95	0.0	10.0
R12HIBPF	18748	0.07	0.69	0.0	10.0
S1HIBPF	9900	0.50	1.54	0.0	6.0
S2HIBPF	13088	0.49	1.55	0.0	6.0
S3HIBPF	11915	0.45	1.41	0.0	6.0
S4HIBPF	13978	0.37	1.32	0.0	6.0
S5HIBPF	12730	0.34	1.27	0.0	8.0
S6HIBPF	11639	0.37	1.42	0.0	10.0
S7HIBPF	12972	0.30	1.29	0.0	10.0
S8HIBPF	11735	0.29	1.31	0.0	10.0
S9HIBPF	10646	0.23	1.16	0.0	10.0
S10HIBPF	13513	0.19	1.09	0.0	10.0
S11HIBPF	12488	0.15	0.96	0.0	10.0
S12HIBPF	11031	0.07	0.66	0.0	10.0
R1DIABE	12652	0.09	0.29	0.0	1.0
R2DIABE	19632	0.12	0.32	0.0	1.0
R3DIABE	17971	0.13	0.33	0.0	1.0
R4DIABE	21361	0.13	0.34	0.0	1.0

R5DIABE	19556	0.14	0.35	0.0	1.0
R6DIABE	18143	0.17	0.37	0.0	1.0
R7DIABE	20100	0.17	0.38	0.0	1.0
R8DIABE	18436	0.19	0.39	0.0	1.0
R9DIABE	17186	0.21	0.41	0.0	1.0
R10DIABE	21995	0.22	0.41	0.0	1.0
R11DIABE	20515	0.24	0.43	0.0	1.0
R12DIABE	18695	0.26	0.44	0.0	1.0
S1DIABE	9900	0.09	0.28	0.0	1.0
S2DIABE	13085	0.11	0.31	0.0	1.0
S3DIABE	11907	0.12	0.32	0.0	1.0
S4DIABE	13970	0.12	0.33	0.0	1.0
S5DIABE	12719	0.14	0.35	0.0	1.0
S6DIABE	11627	0.16	0.37	0.0	1.0
S7DIABE	12958	0.16	0.37	0.0	1.0
S8DIABE	11721	0.18	0.39	0.0	1.0
S9DIABE	10633	0.20	0.40	0.0	1.0
S10DIABE	13501	0.21	0.41	0.0	1.0
S11DIABE	12471	0.23	0.42	0.0	1.0
S12DIABE	11011	0.25	0.43	0.0	1.0
R1DIABF	12652	0.22	1.00	0.0	6.0
R2DIABF	19642	0.18	0.95	0.0	6.0
R3DIABF	17991	0.18	0.89	0.0	6.0
R4DIABF	21384	0.16	0.86	0.0	6.0
R5DIABF	19579	0.16	0.84	0.0	8.0
R6DIABF	18165	0.17	0.93	0.0	10.0
R7DIABF	20129	0.15	0.88	0.0	10.0
R8DIABF	18469	0.15	0.89	0.0	10.0
R9DIABF	17217	0.13	0.84	0.0	10.0
R10DIABF	22034	0.12	0.82	0.0	10.0
R11DIABF	20554	0.09	0.69	0.0	10.0
R12DIABF	18748	0.04	0.45	0.0	10.0
S1DIABF	9900	0.21	0.99	0.0	6.0
S2DIABF	13088	0.19	0.97	0.0	6.0
S3DIABF	11915	0.18	0.90	0.0	6.0
S4DIABF	13978	0.16	0.86	0.0	6.0
S5DIABF	12730	0.16	0.84	0.0	8.0
S6DIABF	11639	0.16	0.91	0.0	10.0
S7DIABF	12972	0.15	0.87	0.0	10.0
S8DIABF	11735	0.14	0.88	0.0	10.0
S9DIABF	10646	0.12	0.80	0.0	10.0
S10DIABF	13513	0.11	0.80	0.0	10.0
S11DIABF	12488	0.08	0.66	0.0	10.0
S12DIABF	11031	0.03	0.39	0.0	10.0
R1CANCRE	12652	0.05	0.21	0.0	1.0
R2CANCRE	19631	0.08	0.28	0.0	1.0
R3CANCRE	17971	0.10	0.29	0.0	1.0
R4CANCRE	21358	0.10	0.30	0.0	1.0
R5CANCRE	19546	0.11	0.32	0.0	1.0
R6CANCRE	18133	0.13	0.34	0.0	1.0
R7CANCRE	20089	0.13	0.33	0.0	1.0
R8CANCRE	18424	0.14	0.35	0.0	1.0
R9CANCRE	17173	0.15	0.36	0.0	1.0
R10CANCRE	21981	0.14	0.34	0.0	1.0
R11CANCRE	20502	0.15	0.36	0.0	1.0

R12CANCRE	18691	0.16	0.37	0.0	1.0
S1CANCRE	9900	0.05	0.21	0.0	1.0
S2CANCRE	13082	0.08	0.27	0.0	1.0
S3CANCRE	11902	0.09	0.28	0.0	1.0
S4CANCRE	13965	0.10	0.29	0.0	1.0
S5CANCRE	12715	0.11	0.31	0.0	1.0
S6CANCRE	11621	0.12	0.33	0.0	1.0
S7CANCRE	12951	0.12	0.32	0.0	1.0
S8CANCRE	11713	0.13	0.34	0.0	1.0
S9CANCRE	10624	0.15	0.36	0.0	1.0
S10CANCRE	13490	0.13	0.34	0.0	1.0
S11CANCRE	12461	0.14	0.35	0.0	1.0
S12CANCRE	11006	0.15	0.36	0.0	1.0
R1CANCRF	12652	0.10	0.69	0.0	6.0
R2CANCRF	19642	0.11	0.74	0.0	6.0
R3CANCRF	17991	0.11	0.72	0.0	6.0
R4CANCRF	21384	0.09	0.67	0.0	6.0
R5CANCRF	19579	0.08	0.65	0.0	8.0
R6CANCRF	18165	0.10	0.77	0.0	10.0
R7CANCRF	20129	0.09	0.72	0.0	10.0
R8CANCRF	18469	0.08	0.74	0.0	10.0
R9CANCRF	17217	0.07	0.67	0.0	10.0
R10CANCRF	22034	0.06	0.63	0.0	10.0
R11CANCRF	20554	0.05	0.57	0.0	10.0
R12CANCRF	18748	0.03	0.44	0.0	10.0
S1CANCRF	9900	0.10	0.68	0.0	6.0
S2CANCRF	13088	0.11	0.73	0.0	6.0
S3CANCRF	11915	0.10	0.70	0.0	6.0
S4CANCRF	13978	0.09	0.66	0.0	6.0
S5CANCRF	12730	0.08	0.63	0.0	8.0
S6CANCRF	11639	0.09	0.74	0.0	10.0
S7CANCRF	12972	0.07	0.64	0.0	10.0
S8CANCRF	11735	0.07	0.70	0.0	10.0
S9CANCRF	10646	0.06	0.62	0.0	10.0
S10CANCRF	13513	0.05	0.60	0.0	10.0
S11CANCRF	12488	0.04	0.55	0.0	10.0
S12CANCRF	11031	0.02	0.38	0.0	10.0
R1LUNGE	12652	0.05	0.22	0.0	1.0
R2LUNGE	19634	0.07	0.26	0.0	1.0
R3LUNGE	17983	0.07	0.26	0.0	1.0
R4LUNGE	21372	0.07	0.25	0.0	1.0
R5LUNGE	19564	0.08	0.26	0.0	1.0
R6LUNGE	18145	0.08	0.27	0.0	1.0
R7LUNGE	20106	0.08	0.27	0.0	1.0
R8LUNGE	18436	0.09	0.29	0.0	1.0
R9LUNGE	17188	0.10	0.30	0.0	1.0
R10LUNGE	22004	0.09	0.29	0.0	1.0
R11LUNGE	20531	0.10	0.30	0.0	1.0
R12LUNGE	18720	0.11	0.31	0.0	1.0
S1LUNGE	9900	0.05	0.22	0.0	1.0
S2LUNGE	13083	0.06	0.25	0.0	1.0
S3LUNGE	11909	0.06	0.25	0.0	1.0
S4LUNGE	13970	0.06	0.24	0.0	1.0
S5LUNGE	12722	0.07	0.25	0.0	1.0

S6LUNGE	11626	0.07	0.25	0.0	1.0
S7LUNGE	12961	0.07	0.25	0.0	1.0
S8LUNGE	11720	0.08	0.27	0.0	1.0
S9LUNGE	10633	0.09	0.28	0.0	1.0
S10LUNGE	13503	0.08	0.27	0.0	1.0
S11LUNGE	12478	0.09	0.28	0.0	1.0
S12LUNGE	11019	0.09	0.29	0.0	1.0
R1LUNGF	12652	0.29	1.19	0.0	6.0
R2LUNGF	19642	0.28	1.21	0.0	6.0
R3LUNGF	17991	0.27	1.13	0.0	6.0
R4LUNGF	21384	0.22	1.02	0.0	6.0
R5LUNGF	19579	0.19	0.95	0.0	8.0
R6LUNGF	18165	0.20	1.06	0.0	10.0
R7LUNGF	20129	0.18	1.00	0.0	10.0
R8LUNGF	18469	0.16	0.96	0.0	10.0
R9LUNGF	17217	0.13	0.88	0.0	10.0
R10LUNGF	22034	0.10	0.77	0.0	10.0
R11LUNGF	20554	0.07	0.64	0.0	10.0
R12LUNGF	18748	0.04	0.52	0.0	10.0
S1LUNGF	9900	0.27	1.15	0.0	6.0
S2LUNGF	13088	0.28	1.20	0.0	6.0
S3LUNGF	11915	0.27	1.13	0.0	6.0
S4LUNGF	13978	0.21	1.01	0.0	6.0
S5LUNGF	12730	0.19	0.95	0.0	8.0
S6LUNGF	11639	0.19	1.02	0.0	10.0
S7LUNGF	12972	0.15	0.90	0.0	10.0
S8LUNGF	11735	0.14	0.90	0.0	10.0
S9LUNGF	10646	0.11	0.82	0.0	10.0
S10LUNGF	13513	0.07	0.67	0.0	10.0
S11LUNGF	12488	0.05	0.57	0.0	10.0
S12LUNGF	11031	0.04	0.51	0.0	10.0
R1HEARTE	12652	0.11	0.31	0.0	1.0
R2HEARTE	19633	0.18	0.39	0.0	1.0
R3HEARTE	17983	0.20	0.40	0.0	1.0
R4HEARTE	21368	0.20	0.40	0.0	1.0
R5HEARTE	19566	0.21	0.41	0.0	1.0
R6HEARTE	18146	0.23	0.42	0.0	1.0
R7HEARTE	20100	0.22	0.42	0.0	1.0
R8HEARTE	18434	0.24	0.43	0.0	1.0
R9HEARTE	17186	0.25	0.44	0.0	1.0
R10HEARTE	22002	0.23	0.42	0.0	1.0
R11HEARTE	20523	0.24	0.43	0.0	1.0
R12HEARTE	18695	0.26	0.44	0.0	1.0
S1HEARTE	9900	0.10	0.31	0.0	1.0
S2HEARTE	13085	0.17	0.37	0.0	1.0
S3HEARTE	11913	0.18	0.39	0.0	1.0
S4HEARTE	13971	0.18	0.39	0.0	1.0
S5HEARTE	12722	0.20	0.40	0.0	1.0
S6HEARTE	11627	0.21	0.41	0.0	1.0
S7HEARTE	12957	0.20	0.40	0.0	1.0
S8HEARTE	11721	0.22	0.42	0.0	1.0
S9HEARTE	10632	0.24	0.43	0.0	1.0
S10HEARTE	13499	0.21	0.41	0.0	1.0
S11HEARTE	12472	0.23	0.42	0.0	1.0
S12HEARTE	11006	0.24	0.43	0.0	1.0

R1HEARTF	12652	0.29	1.18	0.0	6.0
R2HEARTF	19642	0.32	1.26	0.0	6.0
R3HEARTF	17991	0.31	1.20	0.0	6.0
R4HEARTF	21384	0.26	1.12	0.0	6.0
R5HEARTF	19579	0.25	1.10	0.0	8.0
R6HEARTF	18165	0.29	1.31	0.0	10.0
R7HEARTF	20129	0.26	1.25	0.0	10.0
R8HEARTF	18469	0.24	1.19	0.0	10.0
R9HEARTF	17217	0.20	1.12	0.0	10.0
R10HEARTF	22034	0.15	0.98	0.0	10.0
R11HEARTF	20554	0.11	0.84	0.0	10.0
R12HEARTF	18748	0.06	0.61	0.0	10.0
S1HEARTF	9900	0.29	1.17	0.0	6.0
S2HEARTF	13088	0.32	1.26	0.0	6.0
S3HEARTF	11915	0.31	1.20	0.0	6.0
S4HEARTF	13978	0.26	1.11	0.0	6.0
S5HEARTF	12730	0.24	1.08	0.0	8.0
S6HEARTF	11639	0.27	1.24	0.0	10.0
S7HEARTF	12972	0.23	1.16	0.0	10.0
S8HEARTF	11735	0.20	1.07	0.0	10.0
S9HEARTF	10646	0.18	1.03	0.0	10.0
S10HEARTF	13513	0.12	0.88	0.0	10.0
S11HEARTF	12488	0.09	0.76	0.0	10.0
S12HEARTF	11031	0.04	0.54	0.0	10.0
R1STROKE	12652	0.03	0.16	0.0	1.0
R2STROKE	19638	0.06	0.23	0.0	1.0
R3STROKE	17982	0.07	0.25	0.0	1.0
R4STROKE	21372	0.07	0.26	0.0	1.0
R5STROKE	19568	0.08	0.27	0.0	1.0
R6STROKE	18149	0.09	0.28	0.0	1.0
R7STROKE	20114	0.08	0.27	0.0	1.0
R8STROKE	18445	0.09	0.28	0.0	1.0
R9STROKE	17195	0.10	0.29	0.0	1.0
R10STROKE	22012	0.09	0.28	0.0	1.0
R11STROKE	20532	0.09	0.29	0.0	1.0
R12STROKE	18714	0.10	0.30	0.0	1.0
S1STROKE	9900	0.03	0.16	0.0	1.0
S2STROKE	13086	0.05	0.21	0.0	1.0
S3STROKE	11910	0.06	0.23	0.0	1.0
S4STROKE	13972	0.06	0.23	0.0	1.0
S5STROKE	12724	0.06	0.25	0.0	1.0
S6STROKE	11631	0.07	0.25	0.0	1.0
S7STROKE	12964	0.06	0.24	0.0	1.0
S8STROKE	11723	0.07	0.26	0.0	1.0
S9STROKE	10635	0.08	0.27	0.0	1.0
S10STROKE	13499	0.07	0.25	0.0	1.0
S11STROKE	12476	0.07	0.26	0.0	1.0
S12STROKE	11016	0.08	0.27	0.0	1.0
R1STROKF	12652	0.07	0.56	0.0	6.0
R2STROKF	19642	0.07	0.61	0.0	6.0
R3STROKF	17991	0.07	0.59	0.0	6.0
R4STROKF	21384	0.06	0.51	0.0	6.0
R5STROKF	19579	0.05	0.48	0.0	8.0
R6STROKF	18165	0.07	0.71	0.0	10.0

R7STROKF	20129	0.07	0.66	0.0	10.0
R8STROKF	18469	0.06	0.67	0.0	10.0
R9STROKF	17217	0.06	0.64	0.0	10.0
R10STROKF	22034	0.05	0.60	0.0	10.0
R11STROKF	20554	0.03	0.50	0.0	10.0
R12STROKF	18748	0.02	0.39	0.0	10.0
S1STROKF	9900	0.06	0.52	0.0	6.0
S2STROKF	13088	0.07	0.59	0.0	6.0
S3STROKF	11915	0.07	0.57	0.0	6.0
S4STROKF	13978	0.05	0.50	0.0	6.0
S5STROKF	12730	0.04	0.46	0.0	8.0
S6STROKF	11639	0.05	0.57	0.0	10.0
S7STROKF	12972	0.04	0.50	0.0	10.0
S8STROKF	11735	0.04	0.53	0.0	10.0
S9STROKF	10646	0.04	0.56	0.0	10.0
S10STROKF	13513	0.03	0.51	0.0	10.0
S11STROKF	12488	0.03	0.43	0.0	10.0
S12STROKF	11031	0.01	0.32	0.0	10.0
R1PSYCHE	12652	0.07	0.25	0.0	1.0
R2PSYCHE	19637	0.08	0.27	0.0	1.0
R3PSYCHE	17981	0.09	0.29	0.0	1.0
R4PSYCHE	21371	0.10	0.30	0.0	1.0
R5PSYCHE	19567	0.11	0.32	0.0	1.0
R6PSYCHE	18151	0.13	0.34	0.0	1.0
R7PSYCHE	20095	0.14	0.35	0.0	1.0
R8PSYCHE	18439	0.16	0.36	0.0	1.0
R9PSYCHE	17186	0.17	0.38	0.0	1.0
R10PSYCHE	21993	0.18	0.38	0.0	1.0
R11PSYCHE	20514	0.19	0.40	0.0	1.0
R12PSYCHE	18706	0.21	0.41	0.0	1.0
S1PSYCHE	9900	0.06	0.23	0.0	1.0
S2PSYCHE	13084	0.07	0.25	0.0	1.0
S3PSYCHE	11911	0.08	0.27	0.0	1.0
S4PSYCHE	13970	0.08	0.28	0.0	1.0
S5PSYCHE	12723	0.10	0.29	0.0	1.0
S6PSYCHE	11632	0.11	0.31	0.0	1.0
S7PSYCHE	12951	0.12	0.32	0.0	1.0
S8PSYCHE	11718	0.13	0.34	0.0	1.0
S9PSYCHE	10628	0.15	0.35	0.0	1.0
S10PSYCHE	13495	0.15	0.36	0.0	1.0
S11PSYCHE	12469	0.16	0.37	0.0	1.0
S12PSYCHE	11012	0.18	0.38	0.0	1.0
R1PSYCHF	12652	0.45	1.45	0.0	6.0
R2PSYCHF	19642	0.45	1.49	0.0	6.0
R3PSYCHF	17991	0.44	1.43	0.0	6.0
R4PSYCHF	21384	0.37	1.33	0.0	6.0
R5PSYCHF	19579	0.33	1.27	0.0	8.0
R6PSYCHF	18165	0.35	1.42	0.0	10.0
R7PSYCHF	20129	0.31	1.33	0.0	10.0
R8PSYCHF	18469	0.27	1.28	0.0	10.0
R9PSYCHF	17217	0.24	1.23	0.0	10.0
R10PSYCHF	22034	0.17	1.05	0.0	10.0
R11PSYCHF	20554	0.14	0.98	0.0	10.0
R12PSYCHF	18748	0.07	0.74	0.0	10.0

S1PSYCHF	9900	0.43	1.41	0.0	6.0
S2PSYCHF	13088	0.44	1.47	0.0	6.0
S3PSYCHF	11915	0.42	1.40	0.0	6.0
S4PSYCHF	13978	0.34	1.29	0.0	6.0
S5PSYCHF	12730	0.31	1.22	0.0	8.0
S6PSYCHF	11639	0.31	1.32	0.0	10.0
S7PSYCHF	12972	0.25	1.20	0.0	10.0
S8PSYCHF	11735	0.22	1.14	0.0	10.0
S9PSYCHF	10646	0.19	1.09	0.0	10.0
S10PSYCHF	13513	0.13	0.94	0.0	10.0
S11PSYCHF	12488	0.11	0.87	0.0	10.0
S12PSYCHF	11031	0.06	0.63	0.0	10.0
R1ARTHRE	12652	0.33	0.47	0.0	1.0
R2ARTHRE	19633	0.33	0.47	0.0	1.0
R3ARTHRE	17982	0.46	0.50	0.0	1.0
R4ARTHRE	21366	0.48	0.50	0.0	1.0
R5ARTHRE	19563	0.53	0.50	0.0	1.0
R6ARTHRE	18136	0.56	0.50	0.0	1.0
R7ARTHRE	20097	0.54	0.50	0.0	1.0
R8ARTHRE	18451	0.58	0.49	0.0	1.0
R9ARTHRE	17194	0.61	0.49	0.0	1.0
R10ARTHRE	22000	0.54	0.50	0.0	1.0
R11ARTHRE	20526	0.57	0.49	0.0	1.0
R12ARTHRE	18714	0.60	0.49	0.0	1.0
S1ARTHRE	9900	0.31	0.46	0.0	1.0
S2ARTHRE	13084	0.32	0.46	0.0	1.0
S3ARTHRE	11910	0.43	0.49	0.0	1.0
S4ARTHRE	13968	0.44	0.50	0.0	1.0
S5ARTHRE	12719	0.49	0.50	0.0	1.0
S6ARTHRE	11619	0.53	0.50	0.0	1.0
S7ARTHRE	12951	0.50	0.50	0.0	1.0
S8ARTHRE	11724	0.54	0.50	0.0	1.0
S9ARTHRE	10633	0.57	0.50	0.0	1.0
S10ARTHRE	13494	0.51	0.50	0.0	1.0
S11ARTHRE	12473	0.54	0.50	0.0	1.0
S12ARTHRE	11015	0.56	0.50	0.0	1.0
R1ARTHRF	12652	0.55	1.57	0.0	6.0
R2ARTHRF	19642	0.48	1.50	0.0	6.0
R3ARTHRF	17991	0.51	1.52	0.0	6.0
R4ARTHRF	21384	0.45	1.45	0.0	6.0
R5ARTHRF	19579	0.42	1.42	0.0	8.0
R6ARTHRF	18165	0.49	1.68	0.0	10.0
R7ARTHRF	20129	0.41	1.54	0.0	10.0
R8ARTHRF	18469	0.41	1.59	0.0	10.0
R9ARTHRF	17217	0.34	1.46	0.0	10.0
R10ARTHRF	22034	0.23	1.24	0.0	10.0
R11ARTHRF	20554	0.18	1.13	0.0	10.0
R12ARTHRF	18748	0.10	0.86	0.0	10.0
S1ARTHRF	9900	0.55	1.57	0.0	6.0
S2ARTHRF	13088	0.53	1.57	0.0	6.0
S3ARTHRF	11915	0.54	1.56	0.0	6.0
S4ARTHRF	13978	0.47	1.48	0.0	6.0
S5ARTHRF	12730	0.44	1.44	0.0	8.0
S6ARTHRF	11639	0.49	1.64	0.0	10.0
S7ARTHRF	12972	0.41	1.52	0.0	10.0

S8ARTHRF	11735	0.41	1.60	0.0	10.0
S9ARTHRF	10646	0.33	1.42	0.0	10.0
S10ARTHRF	13513	0.23	1.23	0.0	10.0
S11ARTHRF	12488	0.18	1.10	0.0	10.0
S12ARTHRF	11031	0.09	0.84	0.0	10.0
R1CONDE	12652	1.06	1.13	0.0	7.0
R2CONDE	19642	1.31	1.22	0.0	7.0
R3CONDE	17991	1.53	1.31	0.0	8.0
R4CONDE	21383	1.59	1.34	0.0	8.0
R5CONDE	19578	1.73	1.37	0.0	8.0
R6CONDE	18163	1.89	1.41	0.0	8.0
R7CONDE	20128	1.87	1.44	0.0	8.0
R8CONDE	18468	2.04	1.46	0.0	8.0
R9CONDE	17214	2.18	1.49	0.0	8.0
R10CONDE	22031	2.05	1.52	0.0	8.0
R11CONDE	20553	2.20	1.54	0.0	8.0
R12CONDE	18747	2.32	1.56	0.0	8.0
S1CONDE	9900	1.00	1.09	0.0	7.0
S2CONDE	13088	1.22	1.17	0.0	7.0
S3CONDE	11915	1.41	1.26	0.0	7.0
S4CONDE	13978	1.45	1.28	0.0	8.0
S5CONDE	12729	1.59	1.32	0.0	8.0
S6CONDE	11637	1.75	1.35	0.0	8.0
S7CONDE	12972	1.72	1.38	0.0	8.0
S8CONDE	11734	1.88	1.41	0.0	8.0
S9CONDE	10643	2.02	1.43	0.0	8.0
S10CONDE	13510	1.90	1.47	0.0	8.0
S11CONDE	12487	2.03	1.50	0.0	8.0
S12CONDE	11030	2.14	1.52	0.0	8.0
R1CONDEF	12652	0.22	0.51	0.0	5.0
R2CONDEF	19642	0.26	0.56	0.0	6.0
R3CONDEF	17991	0.34	0.63	0.0	6.0
R4CONDEF	21384	0.26	0.56	0.0	6.0
R5CONDEF	19579	0.25	0.54	0.0	6.0
R6CONDEF	18165	0.23	0.52	0.0	5.0
R7CONDEF	20129	0.22	0.51	0.0	5.0
R8CONDEF	18469	0.21	0.50	0.0	5.0
R9CONDEF	17217	0.19	0.48	0.0	6.0
R10CONDEF	22034	0.14	0.41	0.0	6.0
R11CONDEF	20554	0.12	0.37	0.0	5.0
R12CONDEF	18748	0.06	0.27	0.0	3.0
S1CONDEF	9900	0.21	0.49	0.0	5.0
S2CONDEF	13088	0.26	0.55	0.0	5.0
S3CONDEF	11915	0.33	0.61	0.0	5.0
S4CONDEF	13978	0.25	0.53	0.0	5.0
S5CONDEF	12730	0.23	0.52	0.0	5.0
S6CONDEF	11639	0.22	0.50	0.0	4.0
S7CONDEF	12972	0.20	0.47	0.0	4.0
S8CONDEF	11735	0.19	0.46	0.0	4.0
S9CONDEF	10646	0.17	0.44	0.0	4.0
S10CONDEF	13513	0.13	0.38	0.0	4.0
S11CONDEF	12488	0.11	0.34	0.0	4.0
S12CONDEF	11031	0.05	0.24	0.0	3.0
R1CONDEM	12652	0.00	0.00	0.0	0.0

R2CONDEM	19642	0.00	0.07	0.0	3.0
R3CONDEM	17991	0.01	0.12	0.0	7.0
R4CONDEM	21384	0.01	0.13	0.0	8.0
R5CONDEM	19579	0.01	0.14	0.0	8.0
R6CONDEM	18165	0.01	0.17	0.0	8.0
R7CONDEM	20129	0.01	0.17	0.0	8.0
R8CONDEM	18469	0.01	0.18	0.0	8.0
R9CONDEM	17217	0.01	0.19	0.0	8.0
R10CONDEM	22034	0.01	0.18	0.0	8.0
R11CONDEM	20554	0.01	0.17	0.0	8.0
R12CONDEM	18748	0.02	0.20	0.0	8.0
S1CONDEM	9900	0.00	0.00	0.0	0.0
S2CONDEM	13088	0.00	0.05	0.0	2.0
S3CONDEM	11915	0.00	0.10	0.0	7.0
S4CONDEM	13978	0.01	0.12	0.0	7.0
S5CONDEM	12730	0.01	0.13	0.0	8.0
S6CONDEM	11639	0.01	0.17	0.0	8.0
S7CONDEM	12972	0.01	0.14	0.0	6.0
S8CONDEM	11735	0.01	0.16	0.0	8.0
S9CONDEM	10646	0.01	0.17	0.0	8.0
S10CONDEM	13513	0.01	0.15	0.0	8.0
S11CONDEM	12488	0.01	0.15	0.0	8.0
S12CONDEM	11031	0.01	0.16	0.0	8.0

Categorical Variable Codes

Value	R1HIBPE	R2HIBPE	R3HIBPE	R4HIBPE	R5HIBPE	R6HIBPE	R7HIBPE
.D=DK/NA		11	6	11	6	9	16
.M=Oth missing			10	11	12	12	11
.R=RF		1			2	1	2
0.No	8450	11841	10457	12177	10519	8986	9884
1.Yes	4202	7789	7518	9185	9040	9157	10216

Value	R8HIBPE	R9HIBPE	R10HIBPE	R11HIBPE	R12HIBPE
.D=DK/NA	19	15	25	24	19
.M=Oth missing	9	15	16	19	28
.R=RF		4	2	2	2
0.No	8252	7081	9389	8104	6875
1.Yes	10189	10102	12602	12405	11824

Value	S1HIBPE	S2HIBPE	S3HIBPE	S4HIBPE	S5HIBPE	S6HIBPE	S7HIBPE
.D=DK/NA		4	3	6	2	3	4
.M=Oth missing			4	4	5	7	5
.R=RF					1	1	1
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	6773	8223	7252	8349	7185	6073	6775
1.Yes	3127	4861	4656	5619	5537	5555	6187

Value	S8HIBPE	S9HIBPE	S10HIBPE	S11HIBPE	S12HIBPE
.D=DK/NA	4	6	9	13	8
.M=Oth missing	4	6	9	11	17
.R=RF		3	1	2	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5640	4731	6226	5344	4483
1.Yes	6087	5900	7268	7118	6522

Value	R1HIBPF	R2HIBPF	R3HIBPF	R4HIBPF	R5HIBPF	R6HIBPF	R7HIBPF
0.No dispute,no change	11388	17834	16165	19660	18141	16857	18872
3.Disp,set to N			508	325	291	213	231
4.Disp aft,already N	598	646	520	622	498	362	306
5.Disp aft,.->N					1		1
6.Disp aft,Y->N	666	1162	798	777	641	599	608
8.Disp prev wv,but now Y					7	5	4
10.NewR=not ever,but PrvR=Y						129	107

Value	R8HIBPF	R9HIBPF	R10HIBPF	R11HIBPF	R12HIBPF
0.No dispute,no change	17429	16402	21257	19979	18455
3.Disp,set to N	220	205	194	264	219
4.Disp aft,already N	188	89	44		
5.Disp aft,.->N	1				
6.Disp aft,Y->N	517	436	431	220	
8.Disp prev wv,but now Y	5	9	11	10	8
10.NewR=not ever,but PrvR=Y	109	76	97	81	66

Value	S1HIBPF	S2HIBPF	S3HIBPF	S4HIBPF	S5HIBPF	S6HIBPF	S7HIBPF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No dispute,no change	8927	11879	10746	12875	11803	10819	12214
3.Disp,set to N			322	181	168	136	136
4.Disp aft,already N	460	453	365	431	347	247	211
5.Disp aft,.->N					1		
6.Disp aft,Y->N	513	756	482	491	406	373	358
8.Disp prev wv,but now Y					5	1	3
10.NewR=not ever,but PrvR=Y						63	50

Value	S8HIBPF	S9HIBPF	S10HIBPF	S11HIBPF	S12HIBPF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No dispute,no change	11102	10188	13057	12145	10871
3.Disp,set to N	121	111	105	155	119
4.Disp aft,already N	130	57	31		
6.Disp aft,Y->N	314	248	259	131	
8.Disp prev wv,but now Y	3	6	5	4	8
10.NewR=not ever,but PrvR=Y	65	36	56	53	33

Value	R1DIABE	R2DIABE	R3DIABE	R4DIABE	R5DIABE	R6DIABE	R7DIABE
.D=DK/NA		10	8	10	4	4	13
.M=Oth missing			10	13	15	16	13
.R=RF			2		4	2	3
0.No	11451	17369	15692	18539	16730	15114	16650
1.Yes	1201	2263	2279	2822	2826	3029	3450

Value	R8DIABE	R9DIABE	R10DIABE	R11DIABE	R12DIABE
.D=DK/NA	14	11	17	13	26
.M=Oth missing	17	17	19	26	25
.R=RF	2	3	3		2
0.No	14877	13568	17192	15607	13882
1.Yes	3559	3618	4803	4908	4813

Value	S1DIABE	S2DIABE	S3DIABE	S4DIABE	S5DIABE	S6DIABE	S7DIABE
.D=DK/NA		3	4	3	2	2	5
.M=Oth missing			4	5	7	9	8
.R=RF					2	1	1
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	9019	11683	10493	12238	10961	9754	10825
1.Yes	881	1402	1414	1732	1758	1873	2133

Value	S8DIABE	S9DIABE	S10DIABE	S11DIABE	S12DIABE
.D=DK/NA	5	4	3	6	8
.M=Oth missing	8	8	8	11	11
.R=RF	1	1	1		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9574	8476	10628	9600	8276
1.Yes	2147	2157	2873	2871	2735

Value	R1DIABF	R2DIABF	R3DIABF	R4DIABF	R5DIABF	R6DIABF	R7DIABF
0.No dispute,no change	12061	18893	17246	20603	18881	17530	19481
3.Disp,set to N			165	105	108	68	96
4.Disp aft,already N	402	433	376	451	401	335	318
5.Disp aft,.->N				1	1	1	1
6.Disp aft,Y->N	189	316	204	224	185	198	205
8.Disp prev wv,but now Y					3	3	5
10.NewR=not ever,but PrvR=Y						30	23

Value	R8DIABF	R9DIABF	R10DIABF	R11DIABF	R12DIABF
0.No dispute,no change	17906	16760	21553	20180	18567
3.Disp,set to N	104	102	107	192	156
4.Disp aft,already N	221	134	62		
5.Disp aft,.->N	1	1			
6.Disp aft,Y->N	206	198	282	153	
8.Disp prev wv,but now Y	3	3	4	4	1
10.NewR=not ever,but PrvR=Y	28	19	26	25	24

Value	S1DIABF	S2DIABF	S3DIABF	S4DIABF	S5DIABF	S6DIABF	S7DIABF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No dispute,no change	9446	12561	11404	13458	12273	11243	12561
3.Disp,set to N			112	69	64	41	61
4.Disp aft,already N	312	309	266	313	278	213	198
6.Disp aft,Y->N	142	218	133	138	113	123	134
8.Disp prev wv,but now Y					2	3	4
10.NewR=not ever,but PrvR=Y						16	14

Value	S8DIABF	S9DIABF	S10DIABF	S11DIABF	S12DIABF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No dispute,no change	11389	10385	13234	12280	10939
3.Disp,set to N	66	56	56	106	82
4.Disp aft,already N	130	78	37		
5.Disp aft,.->N	1	1			
6.Disp aft,Y->N	129	114	167	86	
8.Disp prev wv,but now Y	1	2	3	3	1
10.NewR=not ever,but PrvR=Y	19	10	16	13	9

Value	R1CANCRE	R2CANCRE	R3CANCRE	R4CANCRE	R5CANCRE	R6CANCRE	R7CANCRE
.D=DK/NA		8	7	10	8	5	13
.M=Oth missing			9	15	20	25	24
.R=RF		3	3	1	5	2	3
.T=Other			1				
0.No	12048	17989	16253	19194	17345	15796	17548
1.Yes	604	1642	1718	2164	2201	2337	2541

Value	R8CANCRE	R9CANCRE	R10CANCRE	R11CANCRE	R12CANCRE
.D=DK/NA	12	8	17	11	19
.M=Oth missing	31	33	34	39	37
.R=RF	2	3	2	2	1
0.No	15818	14513	18957	17431	15701
1.Yes	2606	2660	3024	3071	2990

Value	S1CANCRE	S2CANCRE	S3CANCRE	S4CANCRE	S5CANCRE	S6CANCRE	S7CANCRE
.D=DK/NA		3	6	3	2	4	7
.M=Oth missing			5	9	11	12	13
.R=RF		3	1	1	2	2	1
.T=Other			1				
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	9438	12076	10843	12623	11365	10197	11399
1.Yes	462	1006	1059	1342	1350	1424	1552

Value	S8CANCRE	S9CANCRE	S10CANCRE	S11CANCRE	S12CANCRE
.D=DK/NA	6	5	8	7	8
.M=Oth missing	15	15	13	20	16
.R=RF	1	2	2		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10157	9047	11679	10684	9330
1.Yes	1556	1577	1811	1777	1676

Value	R1CANCRF	R2CANCRF	R3CANCRF	R4CANCRF	R5CANCRF	R6CANCRF	R7CANCRF
0.No dispute,no change	12395	19224	17567	20972	19226	17837	19807
3.Disp,set to N			88	62	68	46	62
4.Disp aft,already N	158	201	164	171	130	93	79
5.Disp aft,.->N		1	1		1	1	1
6.Disp aft,Y->N	99	216	171	179	153	150	146
8.Disp prev wv,but now Y					1	3	1
10.NewR=not ever,but PrvR=Y						35	33

Value	R8CANCRF	R9CANCRF	R10CANCRF	R11CANCRF	R12CANCRF
0.No dispute,no change	18196	17002	21821	20391	18659
3.Disp,set to N	52	58	47	65	57
4.Disp aft,already N	50	32	20		
6.Disp aft,Y->N	124	88	101	57	
8.Disp prev wv,but now Y	2			3	1
10.NewR=not ever,but PrvR=Y	45	37	45	38	31

Value	S1CANCRF	S2CANCRF	S3CANCRF	S4CANCRF	S5CANCRF	S6CANCRF	S7CANCRF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No dispute,no change	9697	12808	11639	13731	12510	11445	12797
3.Disp,set to N			57	24	41	26	34
4.Disp aft,already N	130	147	118	107	87	60	51
5.Disp aft,.->N		1	1		1	1	1
6.Disp aft,Y->N	73	132	100	116	90	85	73
8.Disp prev wv,but now Y					1	2	1
10.NewR=not ever,but PrvR=Y						20	15

Value	S8CANCRF	S9CANCRF	S10CANCRF	S11CANCRF	S12CANCRF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No dispute,no change	11587	10528	13395	12396	10985
3.Disp,set to N	20	36	20	34	33
4.Disp aft,already N	29	18	14		
6.Disp aft,Y->N	75	44	62	34	
8.Disp prev wv,but now Y				2	
10.NewR=not ever,but PrvR=Y	24	20	22	22	13

Value	R1LUNGE	R2LUNGE	R3LUNGE	R4LUNGE	R5LUNGE	R6LUNGE	R7LUNGE
.D=DK/NA		7	1	5	6	8	7
.M=Oth missing			6	7	5	10	14
.R=RF		1	1		4	2	2
0.No	11999	18247	16694	19879	18087	16672	18468
1.Yes	653	1387	1289	1493	1477	1473	1638

Value	R8LUNGE	R9LUNGE	R10LUNGE	R11LUNGE	R12LUNGE
.D=DK/NA	16	6	12	7	14
.M=Oth missing	15	20	16	15	13
.R=RF	2	3	2	1	1
0.No	16761	15464	19945	18417	16651
1.Yes	1675	1724	2059	2114	2069

Value	S1LUNGE	S2LUNGE	S3LUNGE	S4LUNGE	S5LUNGE	S6LUNGE	S7LUNGE
.D=DK/NA		4	1	2	2	4	2
.M=Oth missing			5	6	4	7	9
.R=RF		1			2	2	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	9415	12234	11138	13126	11885	10834	12064
1.Yes	485	849	771	844	837	792	897

Value	S8LUNGE	S9LUNGE	S10LUNGE	S11LUNGE	S12LUNGE
.D=DK/NA	7	4	3	3	5
.M=Oth missing	7	7	5	7	6
.R=RF	1	2	2		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10797	9713	12423	11381	9999
1.Yes	923	920	1080	1097	1020

Value	R1LUNGF	R2LUNGF	R3LUNGF	R4LUNGF	R5LUNGF	R6LUNGF	R7LUNGF
0.No dispute,no change	11916	18587	16955	20396	18777	17479	19449
3.Disp,set to N			262	206	189	89	135
4.Disp aft,already N	371	382	292	333	276	209	160
5.Disp aft,.->N		1	2	2	2	2	1
6.Disp aft,Y->N	365	672	480	447	325	339	336
8.Disp prev wv,but now Y					10	1	4
10.NewR=not ever,but PrvR=Y						46	44

Value	R8LUNGF	R9LUNGF	R10LUNGF	R11LUNGF	R12LUNGF
0.No dispute,no change	17920	16793	21657	20273	18597
3.Disp,set to N	123	108	91	137	110
4.Disp aft,already N	106	49	27	3	
5.Disp aft,.->N	2	1			
6.Disp aft,Y->N	270	228	214	105	
8.Disp prev wv,but now Y	2	3	6	4	2
10.NewR=not ever,but PrvR=Y	46	35	39	32	39

Value	S1LUNGF	S2LUNGF	S3LUNGF	S4LUNGF	S5LUNGF	S6LUNGF	S7LUNGF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No dispute,no change	9355	12384	11236	13339	12225	11223	12584
3.Disp,set to N			155	127	101	47	85
4.Disp aft,already N	287	275	209	231	186	131	94
5.Disp aft,.->N		1	1	1	2	2	1
6.Disp aft,Y->N	258	428	314	280	212	214	190
8.Disp prev wv,but now Y					4	1	3
10.NewR=not ever,but PrvR=Y						21	15

Value	S8LUNGF	S9LUNGF	S10LUNGF	S11LUNGF	S12LUNGF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No dispute,no change	11433	10424	13333	12356	10957
3.Disp,set to N	66	54	43	59	49
4.Disp aft,already N	58	22	12	1	
5.Disp aft,.->N	1	1			
6.Disp aft,Y->N	146	125	108	55	
8.Disp prev wv,but now Y	2	1	1	2	2
10.NewR=not ever,but PrvR=Y	29	19	16	15	23

Value	R1HEARTE	R2HEARTE	R3HEARTE	R4HEARTE	R5HEARTE	R6HEARTE	R7HEARTE
.D=DK/NA		9	1	10	2	9	13
.M=Oth missing			6	6	8	8	15
.R=RF			1		3	2	1
0.No	11307	16008	14358	17062	15364	13928	15619
1.Yes	1345	3625	3625	4306	4202	4218	4481

Value	R8HEARTE	R9HEARTE	R10HEARTE	R11HEARTE	R12HEARTE
.D=DK/NA	12	7	10	13	29
.M=Oth missing	21	21	20	16	22
.R=RF	2	3	2	2	2
0.No	13966	12807	17048	15526	13870
1.Yes	4468	4379	4954	4997	4825

Value	S1HEARTE	S2HEARTE	S3HEARTE	S4HEARTE	S5HEARTE	S6HEARTE	S7HEARTE
.D=DK/NA		3		4	1	4	6
.M=Oth missing			2	3	5	6	9
.R=RF					2	2	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	8864	10918	9729	11389	10233	9149	10321
1.Yes	1036	2167	2184	2582	2489	2478	2636

Value	S8HEARTE	S9HEARTE	S10HEARTE	S11HEARTE	S12HEARTE
.D=DK/NA	3	4	4	6	13
.M=Oth missing	10	8	9	9	11
.R=RF	1	2	1	1	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9104	8093	10638	9633	8373
1.Yes	2617	2539	2861	2839	2633

Value	R1HEARTF	R2HEARTF	R3HEARTF	R4HEARTF	R5HEARTF	R6HEARTF	R7HEARTF
0.No dispute,no change	11882	18432	16787	20214	18560	17190	19172
3.Disp,set to N			266	179	160	118	142
4.Disp aft,already N	449	527	432	462	384	297	234
5.Disp aft,.->N			1	1	2	1	
6.Disp aft,Y->N	321	683	505	528	467	455	473
8.Disp prev wv,but now Y					6	3	3
10.NewR=not ever,but PrvR=Y						101	105

Value	R8HEARTF	R9HEARTF	R10HEARTF	R11HEARTF	R12HEARTF
0.No dispute,no change	17656	16569	21463	20148	18526
3.Disp,set to N	175	183	144	171	166
4.Disp aft,already N	149	79	38		
6.Disp aft,Y->N	397	299	295	163	
8.Disp prev wv,but now Y	2	4	2		2
10.NewR=not ever,but PrvR=Y	90	83	92	72	54

Value	S1HEARTF	S2HEARTF	S3HEARTF	S4HEARTF	S5HEARTF	S6HEARTF	S7HEARTF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No dispute,no change	9309	12262	11119	13222	12075	11059	12420
3.Disp,set to N			154	98	96	58	84
4.Disp aft,already N	341	383	313	328	272	198	143
5.Disp aft,.->N					1		
6.Disp aft,Y->N	250	443	329	330	283	272	271
8.Disp prev wv,but now Y					3	2	1
10.NewR=not ever,but PrvR=Y						50	53

Value	S8HEARTF	S9HEARTF	S10HEARTF	S11HEARTF	S12HEARTF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No dispute,no change	11298	10301	13222	12286	10925
3.Disp,set to N	95	89	77	79	81
4.Disp aft,already N	94	50	22		
6.Disp aft,Y->N	206	162	150	89	
8.Disp prev wv,but now Y	1	3	1		1
10.NewR=not ever,but PrvR=Y	41	41	41	34	24

Value	R1STROKE	R2STROKE	R3STROKE	R4STROKE	R5STROKE	R6STROKE	R7STROKE
.D=DK/NA		4	3	6	1	7	5
.M=Oth missing			4	6	5	7	9
.R=RF			2		5	2	1
0.No	12314	18503	16752	19839	18007	16583	18471
1.Yes	338	1135	1230	1533	1561	1566	1643

Value	R8STROKE	R9STROKE	R10STROKE	R11STROKE	R12STROKE
.D=DK/NA	11	6	6	9	14
.M=Oth missing	11	13	13	12	17
.R=RF	2	3	3	1	3
0.No	16807	15547	20134	18623	16893
1.Yes	1638	1648	1878	1909	1821

Value	S1STROKE	S2STROKE	S3STROKE	S4STROKE	S5STROKE	S6STROKE	S7STROKE
.D=DK/NA		2	2	2	1	1	2
.M=Oth missing			3	4	3	5	6
.R=RF					2	2	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	9642	12457	11239	13173	11904	10841	12135
1.Yes	258	629	671	799	820	790	829

Value	S8STROKE	S9STROKE	S10STROKE	S11STROKE	S12STROKE
.D=DK/NA	5	2	3	4	4
.M=Oth missing	6	7	9	8	9
.R=RF	1	2	2		2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10873	9808	12572	11562	10153
1.Yes	850	827	927	914	863

Value	R1STROKF	R2STROKF	R3STROKF	R4STROKF	R5STROKF	R6STROKF	R7STROKF
0.No dispute,no change	12472	19343	17695	21117	19364	17933	19899
3.Disp,set to N			68	54	38	16	25
4.Disp aft,already N	123	171	126	122	111	93	75
5.Disp aft,.->N						1	
6.Disp aft,Y->N	57	128	102	91	62	72	84
8.Disp prev wv,but now Y					4	2	2
10.NewR=not ever,but PrvR=Y						48	44

Value	R8STROKF	R9STROKF	R10STROKF	R11STROKF	R12STROKF
0.No dispute,no change	18265	17054	21874	20439	18685
3.Disp,set to N	39	29	30	42	37
4.Disp aft,already N	44	28	11		
6.Disp aft,Y->N	75	64	66	37	
8.Disp prev wv,but now Y	3	1	2	2	2
10.NewR=not ever,but PrvR=Y	43	41	51	34	24

Value	S1STROKF	S2STROKF	S3STROKF	S4STROKF	S5STROKF	S6STROKF	S7STROKF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No dispute,no change	9776	12897	11737	13816	12608	11526	12870
3.Disp,set to N			35	31	20	12	9
4.Disp aft,already N	86	111	76	74	62	48	41
5.Disp aft,.->N						1	
6.Disp aft,Y->N	38	80	67	57	38	34	42
8.Disp prev wv,but now Y					2	2	
10.NewR=not ever,but PrvR=Y						16	10

Value	S8STROKF	S9STROKF	S10STROKF	S11STROKF	S12STROKF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No dispute,no change	11643	10575	13443	12431	11003
3.Disp,set to N	17	8	9	23	18
4.Disp aft,already N	23	11	5		
6.Disp aft,Y->N	37	32	35	19	
8.Disp prev wv,but now Y			1	1	1
10.NewR=not ever,but PrvR=Y	15	20	20	14	9

Value	R1PSYCHE	R2PSYCHE	R3PSYCHE	R4PSYCHE	R5PSYCHE	R6PSYCHE	R7PSYCHE
.D=DK/NA		2	4	6	4	4	13
.M=Oth missing			5	6	6	7	10
.R=RF		3	1	1	2	3	11
0.No	11809	18123	16296	19207	17368	15805	17284
1.Yes	843	1514	1685	2164	2199	2346	2811

Value	R8PSYCHE	R9PSYCHE	R10PSYCHE	R11PSYCHE	R12PSYCHE
.D=DK/NA	11	7	18	12	12
.M=Oth missing	16	21	18	25	23
.R=RF	3	3	5	3	7
0.No	15521	14246	18095	16516	14799
1.Yes	2918	2940	3898	3998	3907

Value	S1PSYCHE	S2PSYCHE	S3PSYCHE	S4PSYCHE	S5PSYCHE	S6PSYCHE	S7PSYCHE
.D=DK/NA		2		4	2	1	8
.M=Oth missing			4	3	4	4	5
.R=RF		2		1	1	2	8
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	9352	12190	10945	12786	11507	10366	11452
1.Yes	548	894	966	1184	1216	1266	1499

Value	S8PSYCHE	S9PSYCHE	S10PSYCHE	S11PSYCHE	S12PSYCHE
.D=DK/NA	7	4	6	5	4
.M=Oth missing	8	12	11	14	13
.R=RF	2	2	1		2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10147	9082	11474	10419	9073
1.Yes	1571	1546	2021	2050	1939

Value	R1PSYCHF	R2PSYCHF	R3PSYCHF	R4PSYCHF	R5PSYCHF	R6PSYCHF	R7PSYCHF
0.No dispute,no change	11481	17970	16304	19768	18236	16988	18973
3.Disp,set to N			422	287	287	171	248
4.Disp aft,already N	645	626	463	479	353	270	221
5.Disp aft,.->N		1	2				1
6.Disp aft,Y->N	526	1045	800	850	696	634	568
8.Disp prev wv,but now Y					7	7	11
10.NewR=not ever,but PrvR=Y						95	107

Value	R8PSYCHF	R9PSYCHF	R10PSYCHF	R11PSYCHF	R12PSYCHF
0.No dispute,no change	17554	16476	21403	20068	18488
3.Disp,set to N	194	187	157	190	171
4.Disp aft,already N	127	68	23		
6.Disp aft,Y->N	490	377	336	170	
8.Disp prev wv,but now Y	3	5	13	10	3
10.NewR=not ever,but PrvR=Y	101	104	102	116	86

Value	S1PSYCHF	S2PSYCHF	S3PSYCHF	S4PSYCHF	S5PSYCHF	S6PSYCHF	S7PSYCHF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No dispute,no change	9025	11994	10839	12985	11925	10967	12346
3.Disp,set to N			257	168	159	98	128
4.Disp aft,already N	505	433	321	317	235	172	131
5.Disp aft,.->N		1	1				1
6.Disp aft,Y->N	370	660	497	508	408	349	314
8.Disp prev wv,but now Y					3	5	6
10.NewR=not ever,but PrvR=Y						48	46

Value	S8PSYCHF	S9PSYCHF	S10PSYCHF	S11PSYCHF	S12PSYCHF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No dispute,no change	11254	10280	13210	12256	10915
3.Disp,set to N	110	99	71	85	78
4.Disp aft,already N	72	37	9		
6.Disp aft,Y->N	251	179	170	88	
8.Disp prev wv,but now Y	1	3	4	4	3
10.NewR=not ever,but PrvR=Y	47	48	49	55	35

Value	R1ARTHRE	R2ARTHRE	R3ARTHRE	R4ARTHRE	R5ARTHRE	R6ARTHRE	R7ARTHRE
.D=DK/NA		9	2	13	7	14	16
.M=Oth missing			6	4	5	13	14
.R=RF			1	1	4	2	2
0.No	8480	13219	9736	11063	9287	7922	9179
1.Yes	4172	6414	8246	10303	10276	10214	10918

Value	R8ARTHRE	R9ARTHRE	R10ARTHRE	R11ARTHRE	R12ARTHRE
.D=DK/NA	4	7	18	11	13
.M=Oth missing	13	12	13	16	17
.R=RF	1	4	3	1	4
0.No	7788	6769	10122	8740	7407
1.Yes	10663	10425	11878	11786	11307

Value	S1ARTHRE	S2ARTHRE	S3ARTHRE	S4ARTHRE	S5ARTHRE	S6ARTHRE	S7ARTHRE
.D=DK/NA		4	2	6	5	9	10
.M=Oth missing			3	3	4	9	10
.R=RF				1	2	2	1
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	6793	8959	6847	7776	6535	5472	6413
1.Yes	3107	4125	5063	6192	6184	6147	6538

Value	S8ARTHRE	S9ARTHRE	S10ARTHRE	S11ARTHRE	S12ARTHRE
.D=DK/NA	1	4	10	5	7
.M=Oth missing	10	7	8	10	8
.R=RF		2	1		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5388	4577	6679	5759	4815
1.Yes	6336	6056	6815	6714	6200

Value	R1ARTHRF	R2ARTHRF	R3ARTHRF	R4ARTHRF	R5ARTHRF	R6ARTHRF	R7ARTHRF
0.No dispute,no change	11223	17738	16056	19381	17876	16548	18616
3.Disp,set to N			384	333	317	245	274
4.Disp aft,already N	829	981	660	689	505	362	286
5.Disp aft,.->N		2	3	5	3	3	4
6.Disp aft,Y->N	600	921	888	976	864	829	786
8.Disp prev wv,but now Y					14	9	9
10.NewR=not ever,but PrvR=Y						169	154

Value	R8ARTHRF	R9ARTHRF	R10ARTHRF	R11ARTHRF	R12ARTHRF
0.No dispute,no change	17173	16168	21167	19899	18404
3.Disp,set to N	238	297	212	270	224
4.Disp aft,already N	170	95	54		
5.Disp aft,.->N	1				
6.Disp aft,Y->N	678	481	427	218	
8.Disp prev wv,but now Y	6	5	8	5	1
10.NewR=not ever,but PrvR=Y	203	171	166	162	119

Value	S1ARTHRF	S2ARTHRF	S3ARTHRF	S4ARTHRF	S5ARTHRF	S6ARTHRF	S7ARTHRF
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No dispute,no change	8767	11687	10529	12599	11583	10593	12004
3.Disp,set to N			278	215	203	157	162
4.Disp aft,already N	663	723	501	505	355	253	202
5.Disp aft,.->N		1	2	2	3	3	4
6.Disp aft,Y->N	470	677	605	657	577	538	507
8.Disp prev wv,but now Y					9	6	7
10.NewR=not ever,but PrvR=Y						89	86

Value	S8ARTHRF	S9ARTHRF	S10ARTHRF	S11ARTHRF	S12ARTHRF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No dispute,no change	10909	10003	12987	12108	10845
3.Disp,set to N	133	183	125	157	117
4.Disp aft,already N	122	73	37		
5.Disp aft,.->N	1				
6.Disp aft,Y->N	438	292	262	126	
8.Disp prev wv,but now Y	3	2	3	3	
10.NewR=not ever,but PrvR=Y	129	93	99	94	69

Format Reference Tables – complete variable value labels

Variables: ARTHRF, CANCRF, DIABF, HEARTF, HIBPF, LUNGF, PSYCHF, STROKF

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.T=Other
.U=Unmarried
.V=Spouse NR
0.No dispute,no change
1.No disp,prld=Y,bef=N->Y
2.Disp,preld=Y,bef=N, ->N
3.Disp,set to N
4.Disp aft,already N
5.Disp aft,.->N
6.Disp aft,Y->N
7.Disp bef,Evr=bef Evr
8.Disp prev wv,but now Y
10.NewR=not ever,but PrvR=Y
```

How Constructed

RwHIBPE, RwDIABE, RwCANCRE, RwLUNGE, RwHEARTE, RwSTROKE, RwPSYCHE, and RwARTHRE indicate whether or not a doctor has ever told the Respondent he/she had these conditions. The conditions are 1) high blood pressure or hypertension; 2) diabetes or high blood sugar; 3) cancer or a malignant tumor of any kind except skin cancer; 4) chronic lung disease except asthma such as chronic bronchitis or emphysema; 5) heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems; 6) stroke or transient ischemic attack (TIA); 7) emotional, nervous, or psychiatric problems; and 8) arthritis or rheumatism.

With the exception of cases that dispute a report from a prior wave, each of these variables is set to "yes" if the Respondent answered yes to the pertinent question in the current or any prior wave, and to "no" if the Respondent responded no at the current and all prior waves.

Since Wave 2A is the first wave for AHEAD Respondents, questions are asked for all Respondents, unlike Wave 2H, where questions are skipped if reported as a condition in Wave 1.

Beginning in Wave 3, if a preloaded variable so indicates, the Respondent is read a statement that HRS records show

he/she reported a condition at a prior interview. Any voluntary disputes of this statement are recorded. If there is no dispute, the condition variable is coded in the raw HRS data as "yes."

If a condition is disputed, all prior wave reports are set to "no." For example, if a report of high blood pressure is disputed in Wave 3, then R1HIBPE and R2HIBPE are set to "no."

In Waves 3 and 4, if a previous wave report of a condition is disputed, no follow-up question asks whether a doctor has told the Respondent he/she has the condition since the previous wave, and it is assumed that the Respondent does not have the condition in the current wave as well. Starting in Wave 5, the interviewer records the dispute along with an indication of whether the Respondent currently has the condition. If the Respondent says he/she currently has it, the current wave variable is set to "yes," and if not, it is set to "no."

If the presence of a condition was preloaded in a particular wave and not disputed, but prior wave data does not show a previous report, it is assumed that the Respondent is reporting the condition at that wave. For example, if the Respondent did not dispute a statement in Wave 3 that he/she had reported having high blood pressure at a prior interview, but both R1HIBPE and R2HIBPE are "no," then R3HIBPE is set to "yes."

Note that as more waves are added where conditions could be disputed, we notice that for some conditions, Respondents who dispute may have reported receiving treatment or medications for the disputed condition in a prior wave. It may be that the question is interpreted by the Respondent as whether he/she has the condition now, particularly for conditions that can be brought under control, such as high blood pressure. Also disputes are more likely to affect earlier waves than later ones, simply because there have been more opportunities for disputing past answers as time goes on. This time series is not appropriate for tracking changes in the prevalence over time and the version of these variables without disputes incorporated should be used instead. Please see the raw recodes of these variables in "Doctor diagnosed health problems: Raw recodes and question wording." Note that the raw recodes have not been recoded into 0/1 dummy variables, and do not necessarily reflect condition reports from prior waves.

RwHIBPF, RwDIABF, RwCANCRF, RwLUNGF, RwHEARTF, RwSTROKF, RwPSYCHF, and RwARTHRF indicate whether a condition is disputed at the current or a later interview. The codes for the flag variables are: 0) no dispute and no change; 1) no dispute of preload indicating prior report of condition, but data shows no prior report of condition - set current report to yes; 2) disputes preload indicating prior report of condition, and data shows no prior report of condition - set current report to no; 3) disputes preload indicating prior report of condition, and data agrees with preload, set current and prior waves to no; 4) dispute of preload at a later wave would change this wave's report to no, but this wave's report was already no; 6) dispute of preload at a later wave has changed this wave's report from yes to no; 7) preload was disputed at a previous wave, current wave response is no, set to no; 8) preload was disputed at a previous wave, but now has condition; 10) new Respondent is asked the ever question and says no condition, but condition was reported in a prior wave, keep yes.

RwCONDE gives the number of conditions the Respondent reports ever having. It is the sum of individual condition variables. Note that this implicitly treats missing values as "no's" in the sum. RwCONDEM counts how many individual conditions were missing in the sum. RwCONDEF count how many individual condition reports in the sum were changed because of disputes.

SwHIBPE, SwDIABE, SwCANCRE, SwLUNGE, SwHEARTE, SwSTROKE, SwPSYCHE, SwARTHRE, SwHIBPF, SwDIABF, SwCANCRF, SwLUNGF, SwHEARTF, SwSTROKF, SwPSYCHF, SwARTHRF, SwCOND, SwCONDEF, and SwCONDEM give this information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HIBPE is taken from the Wave 3 spouse's R3HIBPE variable.

Please see the "Change in Health" variables as well. Included there are variables that measure whether the individual

conditions are new in a particular wave, i.e., reported as new since the last interview. There is a summary measure for these new conditions as well.

Please see RwHIBP, RwDIAB, RwCANCR, RwLUNG, RwHEART, RwSTROK, RwPSYCH, and RwARTHR for the raw reports at each wave, and RwHIBPQ, RwDIABQ, RwCANCRQ, RwLUNGQ, RwHEARTQ, RwSTROKQ, RwPSYCHQ, and RwARTHRQ for an indication of the question wording used. The description of these variables can be found under "Doctor diagnosed health problems: Raw recodes and question wording."

Cross Wave Differences in Original HRS Data

A series of questions asks the Respondent if a doctor has ever diagnosed him/her with certain medical conditions. At a Respondent's first interview, Waves 1 and 2A, the question asks:

"Has a doctor ever told you that you have ..."

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used.

At subsequent interviews, the question wording depends on whether the appropriate preloaded variable indicates that the Respondent has said "yes" to the condition at a prior interview. If not, the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

What happens if the Respondent had reported a condition at a prior interview varies across waves. In Wave 2H, if the preloaded variable indicates that the Respondent reported the condition in Wave 1, no question is asked for most conditions. For heart problems, the above question is asked regardless of the preloaded variable value; if the preloaded variable indicates a Wave 1 heart problem, it is prefaced by a statement that a heart condition has already been reported.

Beginning in Wave 3, if the preloaded variable indicates that the Respondent reported a condition at a prior interview, a statement is read:

"Our records from your last interview show that you have had ..."

No explicit question is asked. If the Respondent disputes the statement voluntarily, this is recorded, but no follow-up on the current diagnosis of the condition is asked in Waves 3 and 4. Starting in Wave 5, if the Respondent disputes the statement, the interviewer is instructed to probe as to whether or not the Respondent has since been diagnosed with the condition. The dispute is recorded as "disputes previous wave record but now has the condition" or "disputes and does not have the condition." Most disputes are of the latter type. If the Respondent does not dispute the statement, the variable that indicates the diagnosis of the condition is set to "yes."

In Wave 4, an alternate variable is provided for the heart condition question (F1156A). Apparently a skip pattern problem in this wave causes some cases who had previously reported a heart condition to be asked if they'd been told they had one since last interview, and some respond "No." These cases are identified in F1156A.

In Wave 2A and from Wave 3 forward, a code for "possible stroke or transient ischemic attack (TIA)" is added, if the Respondent volunteered this information in answer to the question about strokes. This code is not available in Waves 1 and 2H. TIA is treated the same as a "yes" answer in deriving RwSTROKE.

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as, Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants.

HRS Variables Used

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HRS 1992:
    V325            B6:EVER HI BLD PRESS:IMP
    V328            B7:EVER DIAB/HI BLD :IMP
    V337            B9: CANCER/MALIGN TU:IMP
    V401            B15:CHRONIC LUNG DIS:IMP
    V406            B16:EVER HEART PROBL:IMP
    V417            B22:EVER HAD STROKE :IMP
    V422            B23:EMOT/NERV/PSYCH :IMP
    V426            B25:ARTHRITIS/RHEUMA:IMP
AHEAD 1993:
    B215            B3. HIGH BLOOD PRESSURE EVER
    B219            B4. DIABETES: NOW
    B225            B5. CANCER EVER
    B235            B6. LUNG DISEASE: EVER
    B242            B7. HEART CONDITION: EVER
    B252            B8. STROKE: EVER
    B259            B9. PSYCHIATRIC PROBLEMS: EVER
    B265            B10. ARTHRITIS: PAST 12 MONTHS
HRS 1994:
    W328            B6a.HIGH BLOOD PRESSURE
    W331            B7.DIABETES/HIGH BLOOD S
    W339            B9.CANCER/MALIGNANT TUMO
    W362            B14.CHRONIC LUNG DISEASE
    W367            B15.HEART PROBLEMS EVER
    W368            B15.HEART CONDITIONS
    W379            B21.STROKE
    W384            B23.EMOTIONAL/NERVOUS/PS
    W387            B24.ARTHRITIS/RHEUMATISM
AHEAD 1995:
    D781            B3.  HIGH BLOOD PRESSURE
    D788            B4. DIABETES
    D801            B5.CANCER
    D818            B6. LUNG
    D828            B7. HEART CONDITION
    D848            B9. STROKE
    D861            B10. PSYCHIATRIC
    D866            B11. ARTHRITIS
HRS 1996:
    E781            B3.  HIGH BLOOD PRESSURE
    E788            B4. DIABETES
    E801            B5.CANCER
    E818            B6. LUNG
    E828            B7. HEART CONDITION
    E848            B9. STROKE
    E861            B10. PSYCHIATRIC
    E866            B11. ARTHRITIS
HRS 1998:
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    F1109           B3.  HIGH BLOOD PRESSURE
    F1116           B4. DIABETES
    F1129           B5.CANCER
    F1146           B6. LUNG
    F1156           B7. HEART CONDITION
    F1176           B9. STROKE
    F1189           B10. PSYCHIATRIC
    F1194           B11. ARTHRITIS
HRS 2000:
    G1238           B3.HIGH BLOOD PRESSURE
    G1245           B4. DIABETES
    G1262           B5.CANCER
    G1279           B6. LUNG
    G1289           B7. HEART CONDITION
    G1309           B9. STROKE
    G1322           B10. PSYCHIATRIC
    G1327           B11. ARTHRITIS
HRS 2002:
    HC005           HIGH BLOOD PRESSURE
    HC010           DIABETES
    HC018           CANCER OF ANY KIND EXCLUDING SKIN
    HC030           LUNG DISEASE
    HC036           HEART CONDITION
    HC053           STROKE
    HC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    HC070           ARTHRITIS
HRS 2004:
    JC005           HIGH BLOOD PRESSURE
    JC010           DIABETES
    JC018           CANCER OF ANY KIND EXCLUDING SKIN
    JC030           LUNG DISEASE
    JC036           HEART CONDITION
    JC053           STROKE
    JC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    JC070           ARTHRITIS
HRS 2006:
    KC005           HIGH BLOOD PRESSURE
    KC010           DIABETES
    KC018           CANCER OF ANY KIND EXCLUDING SKIN
    KC030           LUNG DISEASE
    KC036           HEART CONDITION
    KC053           STROKE
    KC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    KC070           ARTHRITIS
HRS 2008:
    LC005           HIGH BLOOD PRESSURE
    LC010           DIABETES
    LC018           CANCER OF ANY KIND EXCLUDING SKIN
    LC030           LUNG DISEASE
    LC036           HEART CONDITION
    LC053           STROKE
    LC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    LC070           ARTHRITIS
HRS 2010:
    MC005           HIGH BLOOD PRESSURE
    MC010           DIABETES
    MC018           CANCER OF ANY KIND EXCLUDING SKIN
    MC030           LUNG DISEASE
    MC036           HEART CONDITION
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    MC053           STROKE
    MC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    MC070           ARTHRITIS
HRS 2012:
    NC005           HIGH BLOOD PRESSURE
    NC010           DIABETES
    NC018           CANCER OF ANY KIND EXCLUDING SKIN
    NC030           LUNG DISEASE
    NC036           HEART CONDITION
    NC053           STROKE
    NC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    NC070           ARTHRITIS
HRS 2014:
    OC005           HIGH BLOOD PRESSURE
    OC010           DIABETES
    OC018           CANCER OF ANY KIND EXCLUDING SKIN
    OC030           LUNG DISEASE
    OC036           HEART CONDITION
    OC053           STROKE
    OC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    OC070           ARTHRITIS
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Doctor diagnosed health problems: Memory-related disease

Wave	Variable	Label	Type
4	R4MEMRY	R4MEMRY:W4 R reports memory prob this wv	Categ
5	R5MEMRY	R5MEMRY:W5 R reports memory prob this wv	Categ
6	R6MEMRY	R6MEMRY:W6 R reports memory prob this wv	Categ
7	R7MEMRY	R7MEMRY:W7 R reports memory prob this wv	Categ
8	R8MEMRY	R8MEMRY:W8 R reports memory prob this wv	Categ
9	R9MEMRY	R9MEMRY:W9 R reports memory prob this wv	Categ
4	S4MEMRY	S4MEMRY:W4 S reports memory prob this wv	Categ
5	S5MEMRY	S5MEMRY:W5 S reports memory prob this wv	Categ
6	S6MEMRY	S6MEMRY:W6 S reports memory prob this wv	Categ
7	S7MEMRY	S7MEMRY:W7 S reports memory prob this wv	Categ
8	S8MEMRY	S8MEMRY:W8 S reports memory prob this wv	Categ
9	S9MEMRY	S9MEMRY:W9 S reports memory prob this wv	Categ
4	R4MEMRYQ	R4MEMRYQ:W4 Q-wording memory prob this wv	Categ
5	R5MEMRYQ	R5MEMRYQ:W5 Q-wording memory prob this wv	Categ
6	R6MEMRYQ	R6MEMRYQ:W6 Q-wording memory prob this wv	Categ
7	R7MEMRYQ	R7MEMRYQ:W7 Q-wording memory prob this wv	Categ
8	R8MEMRYQ	R8MEMRYQ:W8 Q-wording memory prob this wv	Categ
9	R9MEMRYQ	R9MEMRYQ:W9 Q-wording memory prob this wv	Categ
4	S4MEMRYQ	S4MEMRYQ:W4 Q-wording memory prob this wv	Categ
5	S5MEMRYQ	S5MEMRYQ:W5 Q-wording memory prob this wv	Categ
6	S6MEMRYQ	S6MEMRYQ:W6 Q-wording memory prob this wv	Categ
7	S7MEMRYQ	S7MEMRYQ:W7 Q-wording memory prob this wv	Categ
8	S8MEMRYQ	S8MEMRYQ:W8 Q-wording memory prob this wv	Categ
9	S9MEMRYQ	S9MEMRYQ:W9 Q-wording memory prob this wv	Categ
4	R4MEMRYE	R4MEMRYE:W4 R ever had memory problem	Categ
5	R5MEMRYE	R5MEMRYE:W5 R ever had memory problem	Categ
6	R6MEMRYE	R6MEMRYE:W6 R ever had memory problem	Categ
7	R7MEMRYE	R7MEMRYE:W7 R ever had memory problem	Categ
8	R8MEMRYE	R8MEMRYE:W8 R ever had memory problem	Categ
9	R9MEMRYE	R9MEMRYE:W9 R ever had memory problem	Categ
4	S4MEMRYE	S4MEMRYE:W4 S ever had memory problem	Categ
5	S5MEMRYE	S5MEMRYE:W5 S ever had memory problem	Categ
6	S6MEMRYE	S6MEMRYE:W6 S ever had memory problem	Categ
7	S7MEMRYE	S7MEMRYE:W7 S ever had memory problem	Categ
8	S8MEMRYE	S8MEMRYE:W8 S ever had memory problem	Categ
9	S9MEMRYE	S9MEMRYE:W9 S ever had memory problem	Categ
5	R5MEMRYF	R5MEMRYF:W5 Flag chg prev memory prob	Categ
6	R6MEMRYF	R6MEMRYF:W6 Flag chg prev memory prob	Categ
7	R7MEMRYF	R7MEMRYF:W7 Flag chg prev memory prob	Categ
8	R8MEMRYF	R8MEMRYF:W8 Flag chg prev memory prob	Categ
9	R9MEMRYF	R9MEMRYF:W9 Flag chg prev memory prob	Categ
5	S5MEMRYF	S5MEMRYF:W5 Flag chg prev memory prob	Categ
6	S6MEMRYF	S6MEMRYF:W6 Flag chg prev memory prob	Categ
7	S7MEMRYF	S7MEMRYF:W7 Flag chg prev memory prob	Categ
8	S8MEMRYF	S8MEMRYF:W8 Flag chg prev memory prob	Categ
9	S9MEMRYF	S9MEMRYF:W9 Flag chg prev memory prob	Categ
10	R10ALZHE	R10ALZHE:W10 R reports Alzheimer this wv	Categ
11	R11ALZHE	R11ALZHE:W11 R reports Alzheimer this wv	Categ
12	R12ALZHE	R12ALZHE:W12 R reports Alzheimer this wv	Categ
10	S10ALZHE	S10ALZHE:W10 S reports Alzheimer this wv	Categ
11	S11ALZHE	S11ALZHE:W11 S reports Alzheimer this wv	Categ
12	S12ALZHE	S12ALZHE:W12 S reports Alzheimer this wv	Categ
10	R10ALZHEQ	R10ALZHEQ:W10 Q-wording of Alzheimer this wv	Categ
11	R11ALZHEQ	R11ALZHEQ:W11 Q-wording of Alzheimer this wv	Categ
12	R12ALZHEQ	R12ALZHEQ:W12 Q-wording of Alzheimer this wv	Categ

10	S10ALZHEQ	S10ALZHEQ:W10 Q-wording of Alzheimer this wv	Categ
11	S11ALZHEQ	S11ALZHEQ:W11 Q-wording of Alzheimer this wv	Categ
12	S12ALZHEQ	S12ALZHEQ:W12 Q-wording of Alzheimer this wv	Categ
10	R10ALZHEE	R10ALZHEE:W10 R ever reported Alzheimer	Categ
11	R11ALZHEE	R11ALZHEE:W11 R ever reported Alzheimer	Categ
12	R12ALZHEE	R12ALZHEE:W12 R ever reported Alzheimer	Categ
10	S10ALZHEE	S10ALZHEE:W10 S ever reported Alzheimer	Categ
11	S11ALZHEE	S11ALZHEE:W11 S ever reported Alzheimer	Categ
12	S12ALZHEE	S12ALZHEE:W12 S ever reported Alzheimer	Categ
11	R11ALZHEF	R11ALZHEF:W11 Flag chg prev report of Alzheimer	Categ
12	R12ALZHEF	R12ALZHEF:W12 Flag chg prev report of Alzheimer	Categ
11	S11ALZHEF	S11ALZHEF:W11 Flag chg prev report of Alzheimer	Categ
12	S12ALZHEF	S12ALZHEF:W12 Flag chg prev report of Alzheimer	Categ
10	R10DEMEN	R10DEMEN:W10 R reports dementia this wv	Categ
11	R11DEMEN	R11DEMEN:W11 R reports dementia this wv	Categ
12	R12DEMEN	R12DEMEN:W12 R reports dementia this wv	Categ
10	S10DEMEN	S10DEMEN:W10 S reports dementia this wv	Categ
11	S11DEMEN	S11DEMEN:W11 S reports dementia this wv	Categ
12	S12DEMEN	S12DEMEN:W12 S reports dementia this wv	Categ
10	R10DEMENQ	R10DEMENQ:W10 Q-wording of dementia this wv	Categ
11	R11DEMENQ	R11DEMENQ:W11 Q-wording of dementia this wv	Categ
12	R12DEMENQ	R12DEMENQ:W12 Q-wording of dementia this wv	Categ
10	S10DEMENQ	S10DEMENQ:W10 Q-wording of dementia this wv	Categ
11	S11DEMENQ	S11DEMENQ:W11 Q-wording of dementia this wv	Categ
12	S12DEMENQ	S12DEMENQ:W12 Q-wording of dementia this wv	Categ
10	R10DEMENE	R10DEMENE:W10 R ever reported dementia	Categ
11	R11DEMENE	R11DEMENE:W11 R ever reported dementia	Categ
12	R12DEMENE	R12DEMENE:W12 R ever reported dementia	Categ
10	S10DEMENE	S10DEMENE:W10 S ever reported dementia	Categ
11	S11DEMENE	S11DEMENE:W11 S ever reported dementia	Categ
12	S12DEMENE	S12DEMENE:W12 S ever reported dementia	Categ
11	R11DEMENF	R11DEMENF:W11 Flag chg prev report of dementia	Categ
12	R12DEMENF	R12DEMENF:W12 Flag chg prev report of dementia	Categ
11	S11DEMENF	S11DEMENF:W11 Flag chg prev report of dementia	Categ
12	S12DEMENF	S12DEMENF:W12 Flag chg prev report of dementia	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4MEMRY	21370	0.03	0.16	0.0	1.0
R5MEMRY	19220	0.02	0.13	0.0	1.0
R6MEMRY	17987	0.03	0.17	0.0	1.0
R7MEMRY	19743	0.03	0.16	0.0	1.0
R8MEMRY	17928	0.02	0.15	0.0	1.0
R9MEMRY	17197	0.07	0.35	0.0	4.0
S4MEMRY	13974	0.02	0.14	0.0	1.0
S5MEMRY	12547	0.01	0.11	0.0	1.0
S6MEMRY	11554	0.02	0.13	0.0	1.0
S7MEMRY	12798	0.02	0.13	0.0	1.0
S8MEMRY	11492	0.02	0.13	0.0	1.0
S9MEMRY	10640	0.05	0.31	0.0	4.0

R4MEMRYQ	21384	1.00	0.00	1.0	1.0
R5MEMRYQ	19579	2.26	1.53	1.0	12.0
R6MEMRYQ	18165	2.42	1.80	1.0	15.0
R7MEMRYQ	20129	2.10	1.34	1.0	15.0
R8MEMRYQ	18469	2.27	1.13	1.0	15.0
R9MEMRYQ	17217	2.22	1.08	1.0	15.0
S4MEMRYQ	13978	1.00	0.00	1.0	1.0
S5MEMRYQ	12730	2.20	1.40	1.0	12.0
S6MEMRYQ	11639	2.34	1.58	1.0	15.0
S7MEMRYQ	12972	2.05	1.26	1.0	15.0
S8MEMRYQ	11735	2.24	1.03	1.0	15.0
S9MEMRYQ	10646	2.19	0.97	1.0	15.0
R4MEMRYE	21370	0.02	0.16	0.0	1.0
R5MEMRYE	19576	0.04	0.18	0.0	1.0
R6MEMRYE	18164	0.04	0.20	0.0	1.0
R7MEMRYE	20127	0.05	0.21	0.0	1.0
R8MEMRYE	18469	0.05	0.22	0.0	1.0
R9MEMRYE	17200	0.06	0.24	0.0	1.0
S4MEMRYE	13974	0.02	0.13	0.0	1.0
S5MEMRYE	12728	0.02	0.16	0.0	1.0
S6MEMRYE	11638	0.03	0.16	0.0	1.0
S7MEMRYE	12971	0.03	0.17	0.0	1.0
S8MEMRYE	11735	0.04	0.19	0.0	1.0
S9MEMRYE	10640	0.04	0.20	0.0	1.0
R5MEMRYF	19579	0.00	0.00	0.0	0.0
R6MEMRYF	18165	0.01	0.15	0.0	2.0
R7MEMRYF	20129	0.01	0.13	0.0	2.0
R8MEMRYF	18469	0.01	0.12	0.0	2.0
R9MEMRYF	17217	0.02	0.25	0.0	8.0
S5MEMRYF	12730	0.00	0.00	0.0	0.0
S6MEMRYF	11639	0.01	0.14	0.0	2.0
S7MEMRYF	12972	0.01	0.11	0.0	2.0
S8MEMRYF	11735	0.01	0.10	0.0	2.0
S9MEMRYF	10646	0.02	0.22	0.0	3.0
R10ALZHE	21988	0.02	0.12	0.0	1.0
R11ALZHE	20493	0.03	0.22	0.0	4.0
R12ALZHE	18710	0.02	0.18	0.0	4.0
S10ALZHE	13493	0.01	0.10	0.0	1.0
S11ALZHE	12464	0.02	0.18	0.0	4.0
S12ALZHE	11016	0.01	0.16	0.0	4.0
R10ALZHEQ	22034	1.84	0.84	1.0	12.0
R11ALZHEQ	20554	2.23	1.26	1.0	16.0
R12ALZHEQ	18748	2.11	0.66	1.0	16.0
S10ALZHEQ	13513	1.82	0.83	1.0	12.0
S11ALZHEQ	12488	2.21	1.24	1.0	16.0
S12ALZHEQ	11031	2.10	0.66	1.0	16.0
R10ALZHEE	21988	0.01	0.12	0.0	1.0
R11ALZHEE	20506	0.02	0.13	0.0	1.0

R12ALZHEE	18715	0.02	0.14	0.0	1.0
S10ALZHEE	13493	0.01	0.09	0.0	1.0
S11ALZHEE	12471	0.01	0.10	0.0	1.0
S12ALZHEE	11017	0.01	0.10	0.0	1.0
R11ALZHEF	20554	0.01	0.25	0.0	8.0
R12ALZHEF	18748	0.00	0.10	0.0	3.0
S11ALZHEF	12488	0.01	0.23	0.0	8.0
S12ALZHEF	11031	0.00	0.09	0.0	3.0
R10DEMEN	21639	0.02	0.14	0.0	1.0
R11DEMEN	20177	0.04	0.27	0.0	4.0
R12DEMEN	18376	0.04	0.28	0.0	4.0
S10DEMEN	13365	0.01	0.12	0.0	1.0
S11DEMEN	12355	0.03	0.22	0.0	4.0
S12DEMEN	10906	0.03	0.26	0.0	4.0
R10DEMENQ	22034	1.84	0.84	1.0	12.0
R11DEMENQ	20554	2.22	1.24	1.0	16.0
R12DEMENQ	18748	2.14	0.84	1.0	16.0
S10DEMENQ	13513	1.82	0.83	1.0	12.0
S11DEMENQ	12488	2.21	1.23	1.0	16.0
S12DEMENQ	11031	2.12	0.78	1.0	16.0
R10DEMENE	21640	0.02	0.13	0.0	1.0
R11DEMENE	20209	0.03	0.16	0.0	1.0
R12DEMENE	18439	0.03	0.18	0.0	1.0
S10DEMENE	13366	0.01	0.11	0.0	1.0
S11DEMENE	12367	0.02	0.13	0.0	1.0
S12DEMENE	10928	0.02	0.15	0.0	1.0
R11DEMENF	20554	0.03	0.37	0.0	8.0
R12DEMENF	18748	0.02	0.23	0.0	8.0
S11DEMENF	12488	0.03	0.36	0.0	8.0
S12DEMENF	11031	0.01	0.21	0.0	8.0

Categorical Variable Codes

Value	R4MEMRY	R5MEMRY	R6MEMRY	R7MEMRY
.D=DK/NA	13	7	11	16
.R=RF	1	2	2	2
.Y=Via preload+yes prev wv		350	165	368
0.No	20834	18869	17468	19228
1.Yes	536	351	519	515

Value	R8MEMRY	R9MEMRY
.D=DK/NA	14	17
.M=Oth missing	1	
.R=RF	4	3
.Y=Via preload+yes prev wv	522	
0.No	17490	16167
1.Yes	438	948
3.Disp prev record and has		1
4.Disp prev record and no c		81

Value	S4MEMRY	S5MEMRY	S6MEMRY	S7MEMRY
.D=DK/NA	4	6	3	4
.R=RF		1	2	1
.U=Unmarried	6869	6538	6306	6777
.V=Spouse NR	537	311	220	380
.Y=Via preload+yes prev wv		176	80	169
0.No	13713	12394	11348	12582
1.Yes	261	153	206	216

Value	S8MEMRY	S9MEMRY
.D=DK/NA	6	4
.R=RF	2	2
.U=Unmarried	6417	6206
.V=Spouse NR	317	365
.Y=Via preload+yes prev wv	235	
0.No	11295	10183
1.Yes	197	415
4.Disp prev record and no c		42

Value	R4MEMRYQ	R5MEMRYQ	R6MEMRYQ	R7MEMRYQ
1.NewIvw: have had [ever]	21384	266	226	3471
2.ReIvw,NoCond: have had si		18505	16322	15163
4.ReIvw,Cond: skip question		350	165	368
5.ReIvw/NewR: have ever had			1072	959
11.ReIvw BUT Pre=NewIvw: ha		4	6	5
12.NewIvw BUT Pre=ReIvw,NoC		454	172	71
15.ReIvw,Cond BUT Pre=NoCon			202	92

Value	R8MEMRYQ	R9MEMRYQ
1.NewIvw: have had [ever]	207	143
2.ReIvw,NoCond: have had si	16628	15634
3.ReIvw,Cond: last time sai		543
4.ReIvw,Cond: skip question	522	
5.ReIvw/NewR: have ever had	1020	816
11.ReIvw BUT Pre=NewIvw: ha	6	
12.NewIvw BUT Pre=ReIvw,NoC	23	13
15.ReIvw,Cond BUT Pre=NoCon	63	68

Value	S4MEMRYQ	S5MEMRYQ	S6MEMRYQ	S7MEMRYQ
.U=Unmarried	6869	6538	6306	6777
.V=Spouse NR	537	311	220	380
1.NewIvw: have had [ever]	13978	248	209	2484
2.ReIvw,NoCond: have had si		12060	10525	9649
4.ReIvw,Cond: skip question		176	80	169
5.ReIvw/NewR: have ever had			648	577
11.ReIvw BUT Pre=NewIvw: ha		3	6	5
12.NewIvw BUT Pre=ReIvw,NoC		243	78	42
15.ReIvw,Cond BUT Pre=NoCon			93	46

Value	S8MEMRYQ	S9MEMRYQ
.U=Unmarried	6417	6206
.V=Spouse NR	317	365
1.NewIvw: have had [ever]	198	139
2.ReIvw,NoCond: have had si	10593	9747
3.ReIvw,Cond: last time sai		250
4.ReIvw,Cond: skip question	235	
5.ReIvw/NewR: have ever had	668	474
11.ReIvw BUT Pre=NewIvw: ha	6	
12.NewIvw BUT Pre=ReIvw,NoC	8	5
15.ReIvw,Cond BUT Pre=NoCon	27	31

Value	R4MEMRYE	R5MEMRYE	R6MEMRYE	R7MEMRYE
.D=DK/NA	13	1		1
.R=RF	1	2	1	1
0.No	20837	18890	17394	19199
1.Yes	533	686	770	928

Value	R8MEMRYE	R9MEMRYE
.D=DK/NA		14
.R=RF		3
0.No	17491	16159
1.Yes	978	1041

Value	S4MEMRYE	S5MEMRYE	S6MEMRYE	S7MEMRYE
.D=DK/NA	4	1		
.R=RF		1	1	1
.U=Unmarried	6869	6538	6306	6777
.V=Spouse NR	537	311	220	380
0.No	13715	12410	11313	12581
1.Yes	259	318	325	390

Value	S8MEMRYE	S9MEMRYE
.D=DK/NA		4
.R=RF		2
.U=Unmarried	6417	6206
.V=Spouse NR	317	365
0.No	11304	10185
1.Yes	431	455

Value	R5MEMRYF	R6MEMRYF	R7MEMRYF
0.OK	19579	18048	20023
1.NewR says not ever but pr		24	33
2.Says no cur wv but prev s		93	73

Value	R8MEMRYF	R9MEMRYF
0.OK	18369	17046
1.NewR says not ever but pr	45	32
2.Says no cur wv but prev s	55	57
3.Dispute,set to N		81
8.Dispute prev wv,but now Y		1

Value	S5MEMRYF	S6MEMRYF	S7MEMRYF
.U=Unmarried	6538	6306	6777
.V=Spouse NR	311	220	380
0.OK	12730	11580	12929
1.NewR says not ever but pr		6	7
2.Says no cur wv but prev s		53	36

Value	S8MEMRYF	S9MEMRYF
.U=Unmarried	6417	6206
.V=Spouse NR	317	365
0.OK	11689	10564
1.NewR says not ever but pr	22	12
2.Says no cur wv but prev s	24	28
3.Dispute,set to N		42

Value	R10ALZHE	R11ALZHE	R12ALZHE
.D=DK/NA	24	14	17
.M=Oth missing	20	44	19
.R=RF	2	3	2
0.No	21645	20095	18352
1.Yes	343	355	339
3.Disp prev record and has		3	
4.Disp prev record and no c		40	19

Value	S10ALZHE	S11ALZHE	S12ALZHE
.D=DK/NA	10	5	5
.M=Oth missing	9	18	9
.R=RF	1	1	1
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
0.No	13366	12320	10890
1.Yes	127	127	116
3.Disp prev record and has		1	
4.Disp prev record and no c		16	10

Value	S10ALZHEQ	S11ALZHEQ	S12ALZHEQ
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
1.NewIvw: have had [ever]	4096	313	167
2.ReIvw,NoCond: have had si	8916	11509	10423
3.ReIvw,Cond: last time sai		55	56
5.ReIvw/NewR: have ever had	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	5	1	
15.ReIvw,Cond BUT Pre=NoCon		8	
16.ReIvw,NoCond BUT Pre=Con		15	5

Value	R10ALZHEE	R11ALZHEE	R12ALZHEE
.D=DK/NA	24	10	15
.M=Oth missing	20	36	16
.R=RF	2	2	2
0.No	21659	20145	18356
1.Yes	329	361	359

Value	S10ALZHEE	S11ALZHEE	S12ALZHEE
.D=DK/NA	10	3	5
.M=Oth missing	9	14	8
.R=RF	1		1
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
0.No	13375	12344	10896
1.Yes	118	127	121

Value	R11ALZHEF	R12ALZHEF
0.OK	20483	18714
1.NewR says not ever but pr	8	12
2.Says no cur wv but prev s	1	3
3.Dispute,set to N	40	19
6.Dispute after,Y->N	19	
8.Dispute prev wv,but now Y	3	

Value	S11ALZHEF	S12ALZHEF
.U=Unmarried	7474	7123
.V=Spouse NR	592	594
0.OK	12455	11017
1.NewR says not ever but pr	4	3
2.Says no cur wv but prev s		1
3.Dispute,set to N	16	10
6.Dispute after,Y->N	12	
8.Dispute prev wv,but now Y	1	

Value	R10DEMEN	R11DEMEN	R12DEMEN
.D=DK/NA	28	13	30
.M=Oth missing	363	358	339
.R=RF	4	6	3
0.No	21203	19602	17823
1.Yes	436	511	487
3.Disp prev record and has		1	6
4.Disp prev record and no c		63	60

Value	S10DEMEN	S11DEMEN	S12DEMEN
.D=DK/NA	11	4	8
.M=Oth missing	136	128	116
.R=RF	1	1	1
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
0.No	13180	12108	10674
1.Yes	185	221	197
3.Disp prev record and has		1	2
4.Disp prev record and no c		25	33

Value	R10DEMENQ	R11DEMENQ	R12DEMENQ
1.NewIvw: have had [ever]	6439	331	178
2.ReIvw,NoCond: have had si	14699	18987	17585
3.ReIvw,Cond: last time sai		237	287
5.ReIvw/NewR: have ever had	877	753	656
11.ReIvw BUT Pre=NewIvw: ha	11	188	5
12.NewIvw BUT Pre=ReIvw,NoC	8	7	1
15.ReIvw,Cond BUT Pre=NoCon		21	12
16.ReIvw,NoCond BUT Pre=Con		30	24

Value	S10DEMENQ	S11DEMENQ	S12DEMENQ
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
1.NewIvw: have had [ever]	4096	313	167
2.ReIvw,NoCond: have had si	8916	11464	10352
3.ReIvw,Cond: last time sai		102	117
5.ReIvw/NewR: have ever had	485	450	375
11.ReIvw BUT Pre=NewIvw: ha	11	137	5
12.NewIvw BUT Pre=ReIvw,NoC	5	1	
15.ReIvw,Cond BUT Pre=NoCon		11	7
16.ReIvw,NoCond BUT Pre=Con		10	8

Value	R10DEMENE	R11DEMENE	R12DEMENE
.D=DK/NA	28	12	23
.M=Oth missing	362	327	283
.R=RF	4	6	3
0.No	21258	19691	17848
1.Yes	382	518	591

Value	S10DEMENE	S11DEMENE	S12DEMENE
.D=DK/NA	11	3	6
.M=Oth missing	135	117	96
.R=RF	1	1	1
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
0.No	13211	12156	10689
1.Yes	155	211	239

Value	R11DEMENF	R12DEMENF
0.OK	20392	18647
1.NewR says not ever but pr	16	15
2.Says no cur wv but prev s	16	20
3.Dispute,set to N	63	60
4.Dispute after,already N	8	
5.Dispute after,.->N	2	
6.Dispute after,Y->N	56	
8.Dispute prev wv,but now Y	1	6

Value	S11DEMENF	S12DEMENF
.U=Unmarried	7474	7123
.V=Spouse NR	592	594
0.OK	12411	10978
1.NewR says not ever but pr	6	6
2.Says no cur wv but prev s	7	12
3.Dispute,set to N	25	33
4.Dispute after,already N	2	
5.Dispute after,.->N	2	
6.Dispute after,Y->N	34	
8.Dispute prev wv,but now Y	1	2

Format Reference Tables – complete variable value labels

Variables: ALZHE, ARTHR, CANCR, DEMEN, DIAB, HEART, HIBP, LUNG, MEMRY, PSYCH, STROK

.D=DK/NA
.I=HRS impute=has cond
.J=HRS impute=no cond
.M=Oth missing
.P=Preload yes,but no prv wv
.R=RF
.S=Skip
.T=Other
.U=Unmarried
.V=Spouse NR
.Y=Via preload+yes prev wv
0.No
1.Yes
2.TIA/possible stroke
3.Disp prev record and has cond
4.Disp prev record and no cond
5.Disp prev record (DK if cond)
6.Preld prob:prev had/no new

Variables: ALZHEQ, ARTHRQ, CANCRQ, DEMENQ, DIABQ, HEARTQ, HIBPQ, LUNGQ, MEMRYQ, PSYCHQ, STROKQ

.T=Other
.U=Unmarried
.V=Spouse NR
1.NewIvw: have had [ever]
2.ReIvw,NoCond: have had since last Ivw
3.ReIvw,Cond: last time said had
4.ReIvw,Cond: skip question
5.ReIvw/NewR: have ever had
6.ReIvw,Cond: told had since last Ivw
10.Ovrlap-93Ivw: have had [ever]
11.ReIvw BUT Pre=NewIvw: have had [ever]
12.NewIvw BUT Pre=ReIvw,NoCond: have had since las
13.NewIvw BUT Pre=ReIvw,Cond: last time said had
14.NewIvw BUT Pre=ReIvw,Cond: skip question
15.ReIvw,Cond BUT Pre=NoCond: have had since last
16.ReIvw,NoCond BUT Pre=Cond: last time said had
17.ReIvw,NoCond BUT Pre=Cond: Skip question
18.NewIvw BUT Pre=ReIvw,Cond: told had since last
19.ReIvw,NoCond BUT Pre=Cond: told had since last

Variables: ALZHEF, DEMENF, MEMRYF

.U=Unmarried
.V=Spouse NR
0.OK
1.NewR says not ever but prev said had cond
2.Says no cur wv but prev said had cond
3.Dispute,set to N
4.Dispute after,already N
5.Dispute after,.->N
6.Dispute after,Y->N
7.Dispute before,Evr=bef Evr
8.Dispute prev wv,but now Y

How Constructed

RwMEMRY indicates the raw response to the question regarding whether or not a doctor has told the Respondent he/she had a memory-related disease. The exact question wording depends on whether this is a first interview and whether the person being interviewed is the same as in the prior interview. If a preload variable indicates that the condition was reported at a prior interview, then the question is skipped. The question about memory-related disease is first asked in Wave 4. It is not asked after Wave 9.

RwMEMRYQ indicates the question wording used, based on preload variables, and whether the preloaded information is correct. RwMEMRYE indicates whether or not a doctor has ever told the Respondent he/she had this condition in this or any previous wave. RwMEMRYF indicates whether the current wave conflicts with information given at a prior wave.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

Through Wave 8, if it is a reinterview and the condition is reported in a prior wave (4.ReIvw,Cond), the question is skipped.

In Wave 9, all Respondents were asked this question and were given the opportunity to dispute answers given in previous waves.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

RwALZHE and RwDEMEN indicate the raw response to the questions regarding whether or not a doctor has told the Respondent he/she had Alzheimer/dementia. The exact question wording depends on whether this is a first interview and whether the person being interviewed is the same as in the prior interview. If a preload variable indicates that the condition was reported at a prior interview, then the question is skipped.

RwALZHEQ and RwDEMENQ indicate the question wording used, based on preload variables, and whether the preloaded information is correct. RwALZHEE and RwDEMENE indicate whether or not a doctor has ever told the Respondent he/she had this condition in this or any previous wave. RwALZHEF and RwDEMENF indicate whether the current wave conflicts with information given at a prior wave.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

The "Q" variables have additional codes that indicate situations where the preload variables determine the question wording, but do not agree with the actual situation in prior waves. A code of 11 means that the Respondent has a prior interview but the preload indicates this is a new interview, so the question asks if the Respondent has ever been told about a condition; 12 means that this is a new interview but the preload indicates it is a reinterview; and 15 means that the Respondent previously reported having a condition but the preload indicates a prior interview with no condition. In situations flagged by a 12 or 15, the question asks if the Respondent has been told about a condition since the last interview, even though this is the Respondent's first interview (in the case of 12), or the question should have been skipped due to a prior report (in the case of 15).

RwMEMRY, RwALZHE, and RwDEMEN are recoded to reflect the answer given. The meaning of the answer depends on the question asked, so the analyst may want to consider this variable in conjunction with the corresponding "Q" variables.

Generally, a "1" means "yes" and "0" means "no." Note that for a re-interview when the condition was previously reported, this question is skipped; in this situation the variable is set to SAS special missing .Y.

For RwMEMRYE, RwALZHEE, and RwDEMENE, the variable is set to "yes" if the Respondent answered yes to the pertinent question in the current or any prior wave, and to "no" if the Respondent responded no at the current and all prior waves. If the Respondent reports having the condition at one wave and later the question is asked again because a new proxy is answering, with a negative response, the variable will still remain set to "yes" for the later wave, but the flag variable (RwMEMRYF, RwALZHEF, or RwDEMENF) will be set to "1." If the question is asked again because of a skip pattern problem and the answer conflicts with a prior report of the condition, the flag variable (RwMEMRYF, RwALZHEF, or RwDEMENF) will be set to "2," but the "E" variable (RwMEMRYE, RwALZHEE, or RwDEMENE) will remain set to "yes."

SwMEMRY, SwALZHE, SwDEMEN, SwMEMRYQ, SwALZHEQ, SwDEMENQ, SwMEMRYE, SwALZHEE, SwDEMENE, SwMEMRYF SwALZHEF, and SwDEMENF, give this information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S4MEMRY is taken from the Wave 4 spouse's R4MEMRY variable.

Please see the "Change in Health" variables as well. Included there are RwMEMRYS, RwALZHES, and RwDEMENS, which measure whether the disease is new in a particular wave, i.e., reported as new since the last interview.

Cross Wave Differences in Original HRS Data

Respondents are first asked about memory-related disease in Wave 4. At a Respondent's first interview at or after Wave 4, the question asks:

"Has a doctor ever told you that you have a memory-related disease?"

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used.

Until Wave 9, the question is not asked if the appropriate preloaded variable indicates that the Respondent has said yes to this condition at a prior interview. If the preload indicates that the Respondent has not yet reported a memory-related disease then the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have a memory-related disease?"

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as, Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 9, all Respondents were asked this question and were given the opportunity to dispute answers given in previous waves.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

HRS Variables Used

```
HRS 1998:
    F1193           B10D. MEMORY-RELATED DISEASE
HRS 2000:
    G1326           B10D. MEMORY-RELATED DISEASE
    G262            PR262.PREV WAVE MEMORY DISEASE
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HA010           CURRENT - WAVE PROXY
    HC069           MEMORY RELATED DISEASE
    HZ076           R EVER INTERVIEWED
    HZ095           PREV WAVE IW SELF/PROXY
    HZ117           PREV WAVE R HAS MEMORY DISEASE
HRS 2004:
    JA009           PROXY/SELF INTERVIEW
    JA010           CURRENT - WAVE PROXY
    JC069           MEMORY RELATED DISEASE
    JZ076           R EVER INTERVIEWED
    JZ095           PREV WAVE IW SELF/PROXY
    JZ117           PREV WAVE R HAS MEMORY DISEASE
HRS 2006:
    KA009           PROXY/SELF INTERVIEW
    KA010           CURRENT - WAVE PROXY
    KC069           MEMORY RELATED DISEASE
    KZ076           R EVER INTERVIEWED
    KZ095           PREV WAVE IW SELF/PROXY
    KZ117           PREV WAVE R HAS MEMORY DISEASE
HRS 2008:
    LA009           PROXY/SELF INTERVIEW
    LA010           CURRENT - WAVE PROXY
    LC069           MEMORY RELATED DISEASE
    LZ076           R EVER INTERVIEWED
    LZ095           PREV WAVE IW SELF/PROXY
    LZ117           PREV WAVE R HAS MEMORY DISEASE
HRS 2010:
    MA009           PROXY/SELF INTERVIEW
    MA010           CURRENT - WAVE PROXY
    MC272           EVER HAD ALZHEIMERS
    MC273           EVER HAD DEMENTIA
    MZ076           R EVER INTERVIEWED
    MZ095           PREV WAVE IW SELF/PROXY
    MZ117           PREV WAVE R HAS MEMORY DISEASE
HRS 2012:
    NA009           PROXY/SELF INTERVIEW
    NA010           CURRENT - WAVE PROXY
    NC272           EVER HAD ALZHEIMERS
    NC273           EVER HAD DEMENTIA
    NZ076           R EVER INTERVIEWED
    NZ095           PREV WAVE IW SELF/PROXY
```

```
    NZ117           PREV WAVE R HAS MEMORY DISEASE
HRS 2014:
    OA009           PROXY/SELF INTERVIEW
    OA010           CURRENT - WAVE PROXY
    OC272           EVER HAD ALZHEIMERS
    OC273           EVER HAD DEMENTIA
    OZ076           R EVER INTERVIEWED
    OZ095           PREV WAVE IW SELF/PROXY
    OZ117           PREV WAVE R HAS MEMORY DISEASE
```

BMI

Wave	Variable	Label	Type
1	R1BMI	R1BMI:W1 Body Mass Index=kg/m2	Cont
2	R2BMI	R2BMI:W2 Body Mass Index=kg/m2	Cont
3	R3BMI	R3BMI:W3 Body Mass Index=kg/m2	Cont
4	R4BMI	R4BMI:W4 Body Mass Index=kg/m2	Cont
5	R5BMI	R5BMI:W5 Body Mass Index=kg/m2	Cont
6	R6BMI	R6BMI:W6 Body Mass Index=kg/m2	Cont
7	R7BMI	R7BMI:W7 Body Mass Index=kg/m2	Cont
8	R8BMI	R8BMI:W8 Body Mass Index=kg/m2	Cont
9	R9BMI	R9BMI:W9 Body Mass Index=kg/m2	Cont
10	R10BMI	R10BMI:W10 Body Mass Index=kg/m2	Cont
11	R11BMI	R11BMI:W11 Body Mass Index=kg/m2	Cont
12	R12BMI	R12BMI:W12 Body Mass Index=kg/m2	Cont
1	S1BMI	S1BMI:W1 Body Mass Index=kg/m2	Cont
2	S2BMI	S2BMI:W2 Body Mass Index=kg/m2	Cont
3	S3BMI	S3BMI:W3 Body Mass Index=kg/m2	Cont
4	S4BMI	S4BMI:W4 Body Mass Index=kg/m2	Cont
5	S5BMI	S5BMI:W5 Body Mass Index=kg/m2	Cont
6	S6BMI	S6BMI:W6 Body Mass Index=kg/m2	Cont
7	S7BMI	S7BMI:W7 Body Mass Index=kg/m2	Cont
8	S8BMI	S8BMI:W8 Body Mass Index=kg/m2	Cont
9	S9BMI	S9BMI:W9 Body Mass Index=kg/m2	Cont
10	S10BMI	S10BMI:W10 Body Mass Index=kg/m2	Cont
11	S11BMI	S11BMI:W11 Body Mass Index=kg/m2	Cont
12	S12BMI	S12BMI:W12 Body Mass Index=kg/m2	Cont
1	R1HEIGHT	R1HEIGHT:W1 Height in meters	Cont
2	R2HEIGHT	R2HEIGHT:W2 Height in meters	Cont
3	R3HEIGHT	R3HEIGHT:W3 Height in meters	Cont
4	R4HEIGHT	R4HEIGHT:W4 Height in meters	Cont
5	R5HEIGHT	R5HEIGHT:W5 Height in meters	Cont
6	R6HEIGHT	R6HEIGHT:W6 Height in meters	Cont
7	R7HEIGHT	R7HEIGHT:W7 Height in meters	Cont
8	R8HEIGHT	R8HEIGHT:W8 Height in meters	Cont
9	R9HEIGHT	R9HEIGHT:W9 Height in meters	Cont
10	R10HEIGHT	R10HEIGHT:W10 Height in meters	Cont
11	R11HEIGHT	R11HEIGHT:W11 Height in meters	Cont
12	R12HEIGHT	R12HEIGHT:W12 Height in meters	Cont
1	S1HEIGHT	S1HEIGHT:W1 Height in meters	Cont
2	S2HEIGHT	S2HEIGHT:W2 Height in meters	Cont
3	S3HEIGHT	S3HEIGHT:W3 Height in meters	Cont
4	S4HEIGHT	S4HEIGHT:W4 Height in meters	Cont
5	S5HEIGHT	S5HEIGHT:W5 Height in meters	Cont
6	S6HEIGHT	S6HEIGHT:W6 Height in meters	Cont
7	S7HEIGHT	S7HEIGHT:W7 Height in meters	Cont
8	S8HEIGHT	S8HEIGHT:W8 Height in meters	Cont
9	S9HEIGHT	S9HEIGHT:W9 Height in meters	Cont
10	S10HEIGHT	S10HEIGHT:W10 Height in meters	Cont
11	S11HEIGHT	S11HEIGHT:W11 Height in meters	Cont
12	S12HEIGHT	S12HEIGHT:W12 Height in meters	Cont
1	R1WEIGHT	R1WEIGHT:W1 Weight in kilograms	Cont
2	R2WEIGHT	R2WEIGHT:W2 Weight in kilograms	Cont
3	R3WEIGHT	R3WEIGHT:W3 Weight in kilograms	Cont
4	R4WEIGHT	R4WEIGHT:W4 Weight in kilograms	Cont
5	R5WEIGHT	R5WEIGHT:W5 Weight in kilograms	Cont
6	R6WEIGHT	R6WEIGHT:W6 Weight in kilograms	Cont
7	R7WEIGHT	R7WEIGHT:W7 Weight in kilograms	Cont
8	R8WEIGHT	R8WEIGHT:W8 Weight in kilograms	Cont
9	R9WEIGHT	R9WEIGHT:W9 Weight in kilograms	Cont
10	R10WEIGHT	R10WEIGHT:W10 Weight in kilograms	Cont
11	R11WEIGHT	R11WEIGHT:W11 Weight in kilograms	Cont
12	R12WEIGHT	R12WEIGHT:W12 Weight in kilograms	Cont
1	S1WEIGHT	S1WEIGHT:W1 Weight in kilograms	Cont

2	S2WEIGHT	S2WEIGHT:W2 Weight in kilograms	Cont
3	S3WEIGHT	S3WEIGHT:W3 Weight in kilograms	Cont
4	S4WEIGHT	S4WEIGHT:W4 Weight in kilograms	Cont
5	S5WEIGHT	S5WEIGHT:W5 Weight in kilograms	Cont
6	S6WEIGHT	S6WEIGHT:W6 Weight in kilograms	Cont
7	S7WEIGHT	S7WEIGHT:W7 Weight in kilograms	Cont
8	S8WEIGHT	S8WEIGHT:W8 Weight in kilograms	Cont
9	S9WEIGHT	S9WEIGHT:W9 Weight in kilograms	Cont
10	S10WEIGHT	S10WEIGHT:W10 Weight in kilograms	Cont
11	S11WEIGHT	S11WEIGHT:W11 Weight in kilograms	Cont
12	S12WEIGHT	S12WEIGHT:W12 Weight in kilograms	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BMI	12652	27.10	5.18	12.8	102.7
R2BMI	19434	26.45	4.99	12.6	92.2
R3BMI	17773	26.53	5.11	10.8	75.5
R4BMI	21099	26.83	5.24	9.6	74.5
R5BMI	19290	27.04	5.37	11.5	75.5
R6BMI	17818	27.17	5.44	9.5	70.9
R7BMI	19750	27.45	5.67	9.6	71.3
R8BMI	18175	27.84	5.85	10.6	82.7
R9BMI	16983	27.99	5.90	10.6	74.4
R10BMI	21602	28.50	6.20	7.0	79.1
R11BMI	20244	28.50	6.23	8.9	83.0
R12BMI	18443	28.57	6.21	11.0	76.6
S1BMI	9900	27.03	5.00	12.8	102.7
S2BMI	12958	26.61	4.82	12.6	92.2
S3BMI	11767	26.73	4.88	10.8	75.5
S4BMI	13796	27.07	5.04	12.6	74.5
S5BMI	12552	27.29	5.16	11.5	75.5
S6BMI	11429	27.45	5.19	9.5	70.9
S7BMI	12749	27.67	5.38	12.1	65.7
S8BMI	11558	28.03	5.57	10.6	82.7
S9BMI	10517	28.19	5.62	11.2	66.2
S10BMI	13226	28.63	5.89	9.7	79.1
S11BMI	12288	28.64	5.98	9.4	83.0
S12BMI	10837	28.76	5.95	11.5	76.6
R1HEIGHT	12652	1.70	0.10	0.9	2.1
R2HEIGHT	19603	1.68	0.10	0.9	2.3
R3HEIGHT	17962	1.68	0.10	0.9	2.3
R4HEIGHT	21347	1.69	0.10	0.9	2.3
R5HEIGHT	19550	1.69	0.10	0.9	2.3
R6HEIGHT	18130	1.69	0.10	0.9	2.1
R7HEIGHT	20068	1.69	0.10	0.9	2.3
R8HEIGHT	18450	1.68	0.10	1.2	2.3
R9HEIGHT	17199	1.68	0.10	0.9	2.3
R10HEIGHT	21877	1.68	0.10	0.9	2.3
R11HEIGHT	20438	1.68	0.10	1.0	2.3
R12HEIGHT	18661	1.68	0.10	1.0	2.3
S1HEIGHT	9900	1.70	0.10	0.9	2.1
S2HEIGHT	13078	1.70	0.10	0.9	2.1
S3HEIGHT	11908	1.70	0.10	0.9	2.1

S4HEIGHT	13968	1.70	0.10	0.9	2.1
S5HEIGHT	12720	1.70	0.10	0.9	2.1
S6HEIGHT	11622	1.70	0.10	0.9	2.1
S7HEIGHT	12940	1.70	0.10	0.9	2.3
S8HEIGHT	11724	1.70	0.10	1.2	2.3
S9HEIGHT	10634	1.70	0.10	1.2	2.2
S10HEIGHT	13393	1.70	0.10	1.0	2.3
S11HEIGHT	12400	1.69	0.10	1.0	2.3
S12HEIGHT	10965	1.69	0.10	1.0	2.3
R1WEIGHT	12652	78.21	16.77	36.3	181.4
R2WEIGHT	19464	75.04	16.39	31.8	179.2
R3WEIGHT	17798	75.32	16.77	26.8	176.9
R4WEIGHT	21133	76.47	17.27	22.7	181.4
R5WEIGHT	19316	77.11	17.61	31.3	181.4
R6WEIGHT	17849	77.56	17.85	29.5	181.4
R7WEIGHT	19809	78.48	18.45	25.4	181.4
R8WEIGHT	18189	78.90	18.76	29.5	181.4
R9WEIGHT	16998	79.19	18.97	22.7	181.4
R10WEIGHT	21742	80.84	19.64	22.7	181.4
R11WEIGHT	20348	80.61	19.74	22.7	181.4
R12WEIGHT	18516	80.64	19.72	30.8	181.4
S1WEIGHT	9900	78.53	16.65	37.6	181.4
S2WEIGHT	12966	76.84	16.24	35.4	179.2
S3WEIGHT	11773	77.28	16.44	26.8	176.9
S4WEIGHT	13805	78.47	17.03	22.7	181.4
S5WEIGHT	12561	79.20	17.32	31.3	181.4
S6WEIGHT	11444	79.84	17.49	31.8	181.4
S7WEIGHT	12780	80.51	18.13	27.2	181.4
S8WEIGHT	11566	80.97	18.43	29.5	181.4
S9WEIGHT	10527	81.32	18.72	22.7	181.4
S10WEIGHT	13333	82.53	19.33	27.2	181.4
S11WEIGHT	12366	82.38	19.48	22.7	181.4
S12WEIGHT	10891	82.58	19.43	31.8	181.4

How Constructed

RwBMI, RwHEIGHT, and RwWEIGHT are the Respondent's body mass index, height, and weight. SwBMI, SwHEIGHT, and SwWEIGHT are this information for the Respondent's spouse or partner.

BMI is weight divided by the square height $\frac{weight}{height^2}$.

Height, given in feet and inches, is converted to meters. Weight is converted to kilograms. Height is frequently missing from Wave 3 forward. The Wave 1 or 2 height is used to fill missing heights in later waves.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BMI is taken from the Wave 3 spouse's R3BMI.

Cross Wave Differences in Original HRS Data

Questions ask the Respondent's weight in pounds at each wave. The Respondent's height in feet and inches is asked of everyone in Waves 1 and 2H. In Wave 2A, height is asked in inches. Beginning in Wave 3, only new interviewees are asked.

HRS Variables Used

```
HRS 1992:
    V515            B41:WEIGHT          :IMP
    V517            B43:HEIGHT-FT       :IMP
    V518            B43:HEIGHT-INCHES   :IMP
AHEAD 1993:
    B304            B22. WEIGHT NOW
    B306            B23. HEIGHT IN INCHES
HRS 1994:
    W462            B45.WEIGHT
    W463            B45a.HEIGHT-FEET
    W464            B45a.HEIGHT-INCHES
AHEAD 1995:
    D954            B22. WEIGHT W2
    D958            B22D.  HEIGHT FEET
    D959            B22E.  HEIGHT INCHES
HRS 1996:
    E954            B22. WEIGHT W2
    E958            B22D.  HEIGHT FEET
    E959            B22E.  HEIGHT INCHES
HRS 1998:
    F1291           B22. WEIGHT CURRENT WAVE
    F1295           B22D.  HEIGHT FEET
    F1296           B22E.  HEIGHT INCHES
HRS 2000:
    G1425           B22. WEIGHT CURRENT WAVE
    G1428           B22D.HEIGHT FEET
    G1429           B22E.HEIGHT INCHES
HRS 2002:
    HC139           WEIGHT IN POUNDS
    HC141           HEIGHT FEET
    HC142           HEIGHT INCHES
HRS 2004:
    JC139           WEIGHT IN POUNDS
    JC141           HEIGHT FEET
    JC142           HEIGHT INCHES
HRS 2006:
    KC139           WEIGHT IN POUNDS
    KC141           HEIGHT FEET
    KC142           HEIGHT INCHES
HRS 2008:
    LC139           WEIGHT IN POUNDS
    LC141           HEIGHT FEET
    LC142           HEIGHT INCHES
HRS 2010:
    MC139           WEIGHT IN POUNDS
    MC141           HEIGHT FEET
    MC142           HEIGHT INCHES
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HRS 2012:
    NC139           WEIGHT IN POUNDS
    NC141           HEIGHT FEET
    NC142           HEIGHT INCHES
HRS 2014:
    OC139           WEIGHT IN POUNDS
    OC141           HEIGHT FEET
    OC142           HEIGHT INCHES
```

Back problems

Wave	Variable	Label	Type
1	R1BACK	R1BACK:W1 R had back problems	Categ
2	R2BACK	R2BACK:W2 R had back problems	Categ
3	R3BACK	R3BACK:W3 R had back problems	Categ
4	R4BACK	R4BACK:W4 R had back problems	Categ
5	R5BACK	R5BACK:W5 R had back problems	Categ
6	R6BACK	R6BACK:W6 R had back problems	Categ
7	R7BACK	R7BACK:W7 R had back problems	Categ
8	R8BACK	R8BACK:W8 R had back problems	Categ
9	R9BACK	R9BACK:W9 R had back problems	Categ
10	R10BACK	R10BACK:W10 R had back problems	Categ
11	R11BACK	R11BACK:W11 R had back problems	Categ
12	R12BACK	R12BACK:W12 R had back problems	Categ
1	S1BACK	S1BACK:W1 S had back problems	Categ
2	S2BACK	S2BACK:W2 S had back problems	Categ
3	S3BACK	S3BACK:W3 S had back problems	Categ
4	S4BACK	S4BACK:W4 S had back problems	Categ
5	S5BACK	S5BACK:W5 S had back problems	Categ
6	S6BACK	S6BACK:W6 S had back problems	Categ
7	S7BACK	S7BACK:W7 S had back problems	Categ
8	S8BACK	S8BACK:W8 S had back problems	Categ
9	S9BACK	S9BACK:W9 S had back problems	Categ
10	S10BACK	S10BACK:W10 S had back problems	Categ
11	S11BACK	S11BACK:W11 S had back problems	Categ
12	S12BACK	S12BACK:W12 S had back problems	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BACK	12652	0.34	0.47	0.0	1.0
R2BACK	19574	0.18	0.39	0.0	1.0
R3BACK	17976	0.32	0.46	0.0	1.0
R4BACK	5092	0.37	0.48	0.0	1.0
R5BACK	19566	0.33	0.47	0.0	1.0
R6BACK	231	0.41	0.49	0.0	1.0
R7BACK	20100	0.37	0.48	0.0	1.0
R8BACK	213	0.38	0.49	0.0	1.0
R9BACK	17195	0.36	0.48	0.0	1.0
R10BACK	6446	0.43	0.50	0.0	1.0
R11BACK	20503	0.39	0.49	0.0	1.0
R12BACK	182	0.49	0.50	0.0	1.0
S1BACK	9900	0.34	0.47	0.0	1.0
S2BACK	13057	0.20	0.40	0.0	1.0
S3BACK	11907	0.31	0.46	0.0	1.0
S4BACK	3505	0.35	0.48	0.0	1.0
S5BACK	12725	0.32	0.47	0.0	1.0
S6BACK	214	0.42	0.49	0.0	1.0
S7BACK	12962	0.36	0.48	0.0	1.0
S8BACK	204	0.37	0.48	0.0	1.0
S9BACK	10638	0.35	0.48	0.0	1.0
S10BACK	4104	0.41	0.49	0.0	1.0
S11BACK	12461	0.38	0.48	0.0	1.0
S12BACK	171	0.47	0.50	0.0	1.0

Categorical Variable Codes

Value	R1BACK	R2BACK	R3BACK	R4BACK	R5BACK	R6BACK	R7BACK
.A=Asked prv wave				16290		17932	
.D=DK/NA		1	9		11		27
.M=Oth missing		60	2	1		1	
.R=RF		7	4	1	2	1	2
0.No	8313	15953	12313	3232	13091	136	12747
1.Yes	4339	3621	5663	1860	6475	95	7353

Value	R8BACK	R9BACK	R10BACK	R11BACK	R12BACK
.A=Asked prv wave	18255		15584		18565
.D=DK/NA		20	3	48	1
.M=Oth missing	1			1	
.R=RF		2	1	2	
0.No	132	10954	3649	12475	93
1.Yes	81	6241	2797	8028	89

Value	S1BACK	S2BACK	S3BACK	S4BACK	S5BACK	S6BACK	S7BACK
.A=Asked prv wave				10471		11423	
.D=DK/NA		1	4		4		10
.M=Oth missing		23	2	1		1	
.R=RF		7	2	1	1	1	
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	6577	10435	8258	2267	8629	124	8302
1.Yes	3323	2622	3649	1238	4096	90	4660

Value	S8BACK	S9BACK	S10BACK	S11BACK	S12BACK
.A=Asked prv wave	11530		9406		10859
.D=DK/NA		6	2	26	1
.M=Oth missing	1			1	
.R=RF		2	1		
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	128	6922	2408	7787	91
1.Yes	76	3716	1696	4674	80

How Constructed

RwBACK indicates whether the Respondent reports back problems. SwBACK is the same information for the Respondent's spouse or partner.

Except in Wave 2, the derivation simply recodes the HRS raw variable for missing values into a yes/no indicator and sets missing values to missing codes. In Wave 2, there is a series of variables that list health problems by code. If any of these variables indicates back problems RwBACK is set to "yes;" if not, it is set to "no."

Note that this question is asked of re-interviewees every other wave beginning in Wave 4. When the question is skipped because it is a re-interview in an alternate year, RwBACK is set to .A, asked in previous wave. For odd numbered waves beginning in Wave 5, the question is asked of everyone.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BACK is taken from the Wave 3 spouse's R3BACK.

Cross Wave Differences in Original HRS Data

The wording of this question varies across waves. In Waves 1 and 2H, the question asks:

"Do you have any of the following health problems? Problems with your back?"

In Wave 2A, the question asks:

"Do you have any other major health problems which you haven't told me about?"

Then following are lists of different health problems.

Beginning in Wave 3, the question asks:

"[Since we last talked to you in (previous interview month)] Have you had any of the following persistant or troublesome problems? Back pain or problems?"

The answers can be yes or no in all waves. In all waves except Wave 2, the answers are coded in a single variable for back problems. In Wave 2, the answers are given in a series of variables that code which health problems the Respondent reported. The code for back problems is 2 in Wave 2H and 112 in Wave 2A.

In every other wave beginning with Wave 4, only new Respondents are asked the question. In these waves, e.g., Waves 4, 6, 8, and 10, it is skipped for re-interviewees. In the other waves, e.g., Waves 5, 7, 9 and 11, the question is asked of everyone.

HRS Variables Used

```
HRS 1992:
    V431            B26B:PROBLEMS WITH B:IMP
AHEAD 1993:
    B294            B18. OTHER HEALTH PROBLEMS
    B295A1          B18a. OTHER HEALTH PROBLEM-1
    B295A2          B18a. OTHER HEALTH PROBLEM-2
HRS 1994:
    W396            B25a-g.HEALTH PROBLEMS
    W397            B25a-g.HEALTH PROBLEMS
    W398            B25a-g.HEALTH PROBLEMS
    W399            B25a-g.HEALTH PROBLEMS
    W400            B25a-g.HEALTH PROBLEMS
    W401            B25a-g.HEALTH PROBLEMS
AHEAD 1995:
    D968            B23G.  SYMPTOMS-BACK PAIN
HRS 1996:
    E970            B23G.  SYMPTOMS-BACK PAIN
HRS 1998:
    F1307           B23G.  SYMPTOMS-BACK PAIN
HRS 2000:
    G1440           B23G.SYMPTOMS-BACK PAIN
HRS 2002:
    HC146           BACK PAIN OR PROBLEMS
HRS 2004:
    JC146           BACK PAIN OR PROBLEMS
HRS 2006:
    KC146           BACK PAIN OR PROBLEMS
```

```
HRS 2008:
    LC146           BACK PAIN OR PROBLEMS
HRS 2010:
    MC146           BACK PAIN OR PROBLEMS
HRS 2012:
    NC146           BACK PAIN OR PROBLEMS
HRS 2014:
    OC146           BACK PAIN OR PROBLEMS
```

Ulcer

Wave	Variable	Label	Type
1	R1ULCER	R1ULCER:W1 Rs had ulcers	Categ
2	R2ULCER	R2ULCER:W2 Rs had ulcers	Categ
1	S1ULCER	S1ULCER:W1 Rs had ulcers	Categ
2	S2ULCER	S2ULCER:W2 Rs had ulcers	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ULCER	12652	0.09	0.29	0.0	1.0
R2ULCER	19574	0.06	0.23	0.0	1.0
S1ULCER	9900	0.09	0.28	0.0	1.0
S2ULCER	13057	0.06	0.23	0.0	1.0

Categorical Variable Codes

Value	R1ULCER	R2ULCER
.D=DK/NA		1
.M=Oth missing		60
.R=RF		7
0.No	11454	18456
1.Yes	1198	1118

Value	S1ULCER	S2ULCER
.D=DK/NA		1
.M=Oth missing		23
.R=RF		7
.U=Unmarried	2373	5970
.V=Spouse NR	379	584
0.No	9025	12321
1.Yes	875	736

How Constructed

RwULCER indicates whether the Respondent reports any stomach or intestinal ulcers. SwULCER is the same information for the Respondent's spouse or partner.

The Wave 1 derivation simply recodes the HRS raw variable for missing values into a yes/no indicator and sets missing values to missing codes. In Wave 2, there is a series of variables that list health problems by code. If any of these variables indicates stomach or intestinal ulcers RwULCER is set to "yes;" if not, it is set to "no."

The question is not asked after Wave 2.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S2ULCER is taken from the Wave 2 spouse's R2ULCER.

Cross Wave Differences in Original HRS Data

The question about ulcers is asked only in Waves 1 and 2:

In Waves 1 and 2H, the question asks:

"Do you have any of the following health problems? Stomach or intestinal ulcers?"

In waves 2A, the question asks:

"Do you have any other major health problems which you haven't told me about?"

Then following are lists of health problems.

The answers can be "yes" or "no" in these waves. In Wave 1 the answers are coded in single variable for ulcers. In Wave 2, the answers are given in a series of variables that code which health problems the Respondent reported. The code for ulcers is 5 in Wave 2H, and 151 in Wave 2A.

HRS Variables Used

```
HRS 1992:
    V434            B26E:STOMCH/INTEST U:IMP
AHEAD 1993:
    B294            B18. OTHER HEALTH PROBLEMS
    B295A1          B18a. OTHER HEALTH PROBLEM-1
    B295A2          B18a. OTHER HEALTH PROBLEM-2
HRS 1994:
    W396            B25a-g.HEALTH PROBLEMS
    W397            B25a-g.HEALTH PROBLEMS
    W398            B25a-g.HEALTH PROBLEMS
    W399            B25a-g.HEALTH PROBLEMS
    W400            B25a-g.HEALTH PROBLEMS
    W401            B25a-g.HEALTH PROBLEMS
```

Health behaviors: Physical Activity or Exercise

Wave	Variable	Label	Type
1	R1VIGACT	R1VIGACT:W1 R Wtr vigorus phys act 3+/wk	Categ
2	R2VIGACT	R2VIGACT:W2 R Wtr vigorus phys act 3+/wk	Categ
3	R3VIGACT	R3VIGACT:W3 R Wtr vigorus phys act 3+/wk	Categ
4	R4VIGACT	R4VIGACT:W4 R Wtr vigorus phys act 3+/wk	Categ
5	R5VIGACT	R5VIGACT:W5 R Wtr vigorus phys act 3+/wk	Categ
6	R6VIGACT	R6VIGACT:W6 R Wtr vigorus phys act 3+/wk	Categ
1	S1VIGACT	S1VIGACT:W1 S Wtr vigorus phys act 3+/wk	Categ
2	S2VIGACT	S2VIGACT:W2 S Wtr vigorus phys act 3+/wk	Categ
3	S3VIGACT	S3VIGACT:W3 S Wtr vigorus phys act 3+/wk	Categ
4	S4VIGACT	S4VIGACT:W4 S Wtr vigorus phys act 3+/wk	Categ
5	S5VIGACT	S5VIGACT:W5 S Wtr vigorus phys act 3+/wk	Categ
6	S6VIGACT	S6VIGACT:W6 S Wtr vigorus phys act 3+/wk	Categ
1	R1VGACTF	R1VGACTF:W1 R Freq vigorous phys activ	Categ
1	S1VGACTF	S1VGACTF:W1 S Freq vigorous phys activ	Categ
1	R1HSWRKF	R1HSWRKF:W1 R Freq heavy housework	Categ
1	S1HSWRKF	S1HSWRKF:W1 S Freq heavy housework	Categ
2	R2VGACTN	R2VGACTN:W2 R # times/per vigor phys act	Cont
2	S2VGACTN	S2VGACTN:W2 S # times/per vigor phys act	Cont
2	R2VGACTP	R2VGACTP:W2 R Period vigor phys activ	Categ
2	S2VGACTP	S2VGACTP:W2 S Period vigor phys activ	Categ
1	R1LHTACT	R1LHTACT:W1 R Wtr light phys activ 3+/wk	Categ
2	R2LHTACT	R2LHTACT:W2 R Wtr light phys activ 3+/wk	Categ
1	S1LHTACT	S1LHTACT:W1 S Wtr light phys activ 3+/wk	Categ
2	S2LHTACT	S2LHTACT:W2 S Wtr light phys activ 3+/wk	Categ
1	R1LTACTF	R1LTACTF:W1 R Freq light phys activities	Categ
1	S1LTACTF	S1LTACTF:W1 S Freq light phys activities	Categ
2	R2LTACTN	R2LTACTN:W2 R # times/per light phys act	Cont
2	S2LTACTN	S2LTACTN:W2 S # times/per light phys act	Cont
2	R2LTACTP	R2LTACTP:W2 R Period light phys activ	Categ
2	S2LTACTP	S2LTACTP:W2 S Period light phys activ	Categ
7	R7VGACTX	R7VGACTX:W7 R Freq vigorous phys activ {finer scale}	Categ
8	R8VGACTX	R8VGACTX:W8 R Freq vigorous phys activ {finer scale}	Categ
9	R9VGACTX	R9VGACTX:W9 R Freq vigorous phys activ {finer scale}	Categ
10	R10VGACTX	R10VGACTX:W10 R Freq vigorous phys activ {finer scale}	Categ
11	R11VGACTX	R11VGACTX:W11 R Freq vigorous phys activ {finer scale}	Categ
12	R12VGACTX	R12VGACTX:W12 R Freq vigorous phys activ {finer scale}	Categ
7	S7VGACTX	S7VGACTX:W7 S Freq vigorous phys activ {finer scale}	Categ
8	S8VGACTX	S8VGACTX:W8 S Freq vigorous phys activ {finer scale}	Categ
9	S9VGACTX	S9VGACTX:W9 S Freq vigorous phys activ {finer scale}	Categ
10	S10VGACTX	S10VGACTX:W10 S Freq vigorous phys activ {finer scale}	Categ
11	S11VGACTX	S11VGACTX:W11 S Freq vigorous phys activ {finer scale}	Categ
12	S12VGACTX	S12VGACTX:W12 S Freq vigorous phys activ {finer scale}	Categ
7	R7MDACTX	R7MDACTX:W7 R Freq moderate phys activ {finer scale}	Categ
8	R8MDACTX	R8MDACTX:W8 R Freq moderate phys activ {finer scale}	Categ
9	R9MDACTX	R9MDACTX:W9 R Freq moderate phys activ {finer scale}	Categ
10	R10MDACTX	R10MDACTX:W10 R Freq moderate phys activ {finer scale}	Categ

11	R11MDACTX	R11MDACTX:W11 R Freq moderate phys activ {finer scale}	Categ
12	R12MDACTX	R12MDACTX:W12 R Freq moderate phys activ {finer scale}	Categ
7	S7MDACTX	S7MDACTX:W7 S Freq moderate phys activ {finer scale}	Categ
8	S8MDACTX	S8MDACTX:W8 S Freq moderate phys activ {finer scale}	Categ
9	S9MDACTX	S9MDACTX:W9 S Freq moderate phys activ {finer scale}	Categ
10	S10MDACTX	S10MDACTX:W10 S Freq moderate phys activ {finer scale}	Categ
11	S11MDACTX	S11MDACTX:W11 S Freq moderate phys activ {finer scale}	Categ
12	S12MDACTX	S12MDACTX:W12 S Freq moderate phys activ {finer scale}	Categ
7	R7LTACTX	R7LTACTX:W7 R Freq light phys activ {finer scale}	Categ
8	R8LTACTX	R8LTACTX:W8 R Freq light phys activ {finer scale}	Categ
9	R9LTACTX	R9LTACTX:W9 R Freq light phys activ {finer scale}	Categ
10	R10LTACTX	R10LTACTX:W10 R Freq light phys activ {finer scale}	Categ
11	R11LTACTX	R11LTACTX:W11 R Freq light phys activ {finer scale}	Categ
12	R12LTACTX	R12LTACTX:W12 R Freq light phys activ {finer scale}	Categ
7	S7LTACTX	S7LTACTX:W7 S Freq light phys activ {finer scale}	Categ
8	S8LTACTX	S8LTACTX:W8 S Freq light phys activ {finer scale}	Categ
9	S9LTACTX	S9LTACTX:W9 S Freq light phys activ {finer scale}	Categ
10	S10LTACTX	S10LTACTX:W10 S Freq light phys activ {finer scale}	Categ
11	S11LTACTX	S11LTACTX:W11 S Freq light phys activ {finer scale}	Categ
12	S12LTACTX	S12LTACTX:W12 S Freq light phys activ {finer scale}	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1VIGACT	12652	0.19	0.40	0.0	1.0
R2VIGACT	11082	0.22	0.41	0.0	1.0
R3VIGACT	17982	0.42	0.49	0.0	1.0
R4VIGACT	21373	0.42	0.49	0.0	1.0
R5VIGACT	19573	0.42	0.49	0.0	1.0
R6VIGACT	18158	0.40	0.49	0.0	1.0
S1VIGACT	9900	0.19	0.39	0.0	1.0
S2VIGACT	8468	0.23	0.42	0.0	1.0
S3VIGACT	11910	0.47	0.50	0.0	1.0
S4VIGACT	13973	0.46	0.50	0.0	1.0
S5VIGACT	12725	0.47	0.50	0.0	1.0
S6VIGACT	11633	0.45	0.50	0.0	1.0
R1VGACTF	12652	2.90	1.37	1.0	5.0
S1VGACTF	9900	2.92	1.38	1.0	5.0
R1HSWRKF	12652	2.90	1.37	1.0	5.0
S1HSWRKF	9900	2.92	1.38	1.0	5.0
R2VGACTN	11137	7.29	76.17	0.0	999.0
S2VGACTN	8514	7.98	80.91	0.0	999.0
R2VGACTP	5833	3.68	3.11	2.0	11.0
S2VGACTP	4545	3.69	3.11	2.0	11.0
R1LHTACT	12652	0.52	0.50	0.0	1.0
R2LHTACT	11150	0.68	0.46	0.0	1.0

S1LHTACT	9900	0.53	0.50	0.0	1.0
S2LHTACT	8530	0.69	0.46	0.0	1.0
R1LTACTF	12652	2.02	1.35	1.0	5.0
S1LTACTF	9900	1.99	1.32	1.0	5.0
R2LTACTN	11168	19.33	122.71	0.0	999.0
S2LTACTN	8544	19.98	125.24	0.0	999.0
R2LTACTP	9546	5.54	4.31	2.0	11.0
S2LTACTP	7404	5.55	4.32	2.0	11.0
R7VGACTX	20109	4.07	1.30	1.0	5.0
R8VGACTX	18445	4.08	1.32	1.0	5.0
R9VGACTX	17207	4.07	1.31	1.0	5.0
R10VGACTX	21985	3.96	1.32	1.0	5.0
R11VGACTX	20489	3.94	1.32	1.0	5.0
R12VGACTX	18668	3.94	1.32	1.0	5.0
S7VGACTX	12959	3.93	1.34	1.0	5.0
S8VGACTX	11724	3.94	1.36	1.0	5.0
S9VGACTX	10637	3.92	1.35	1.0	5.0
S10VGACTX	13492	3.83	1.34	1.0	5.0
S11VGACTX	12449	3.81	1.34	1.0	5.0
S12VGACTX	10989	3.82	1.34	1.0	5.0
R7MDACTX	20116	2.99	1.30	1.0	5.0
R8MDACTX	18454	2.92	1.37	1.0	5.0
R9MDACTX	17208	2.96	1.36	1.0	5.0
R10MDACTX	22001	3.06	1.32	1.0	5.0
R11MDACTX	20520	3.03	1.31	1.0	5.0
R12MDACTX	18690	3.07	1.33	1.0	5.0
S7MDACTX	12963	2.86	1.23	1.0	5.0
S8MDACTX	11727	2.78	1.31	1.0	5.0
S9MDACTX	10641	2.83	1.30	1.0	5.0
S10MDACTX	13503	2.93	1.26	1.0	5.0
S11MDACTX	12463	2.91	1.26	1.0	5.0
S12MDACTX	11003	2.95	1.27	1.0	5.0
R7LTACTX	20118	2.69	1.11	1.0	5.0
R8LTACTX	18459	2.62	1.18	1.0	5.0
R9LTACTX	17206	2.64	1.19	1.0	5.0
R10LTACTX	22009	2.73	1.16	1.0	5.0
R11LTACTX	20518	2.74	1.16	1.0	5.0
R12LTACTX	18721	2.77	1.16	1.0	5.0
S7LTACTX	12967	2.60	1.06	1.0	5.0
S8LTACTX	11729	2.51	1.13	1.0	5.0
S9LTACTX	10642	2.53	1.14	1.0	5.0
S10LTACTX	13501	2.64	1.11	1.0	5.0
S11LTACTX	12467	2.63	1.11	1.0	5.0
S12LTACTX	11023	2.67	1.12	1.0	5.0

Categorical Variable Codes

Value	R1VIGACT	R2VIGACT	R3VIGACT	R4VIGACT	R5VIGACT	R6VIGACT
.D=DK/NA		25	5	9	5	7
.M=Oth missing		309	3			
.Q=Not asked this wv		8222				
.R=RF		4	1	2	1	
0.No	10199	8689	10352	12337	11368	10884
1.Yes	2453	2393	7630	9036	8205	7274

Value	S1VIGACT	S2VIGACT	S3VIGACT	S4VIGACT	S5VIGACT	S6VIGACT
.D=DK/NA		16	2	4	4	6
.M=Oth missing		252	3			
.Q=Not asked this wv		4549				
.R=RF		3		1	1	
.U=Unmarried	2373	5970	5658	6869	6538	6306
.V=Spouse NR	379	384	418	537	311	220
0.No	8001	6559	6321	7490	6802	6356
1.Yes	1899	1909	5589	6483	5923	5277

Value	R1VGACTF
1.3+ per week	2453
2.1-2 per week	3107
3.1-3 per mon	2469
4.Lt 1 per mon	2469
5.Never	2154

Value	S1VGACTF
.U=Unmarried	2373
.V=Spouse NR	379
1.3+ per week	1899
2.1-2 per week	2372
3.1-3 per mon	1945
4.Lt 1 per mon	1961
5.Never	1723

Value	R1HSWRKF
1.3+ per week	2453
2.1-2 per week	3107
3.1-3 per mon	2469
4.Lt 1 per mon	2469
5.Never	2154

Value	S1HSWRKF
.U=Unmarried	2373
.V=Spouse NR	379
1.3+ per week	1899
2.1-2 per week	2372
3.1-3 per mon	1945
4.Lt 1 per mon	1961
5.Never	1723

Value	R2VGACTP
.A=All the time	1
.D=DK/NA	2
.M=Oth missing	343
.Q=Not asked this wv	8222
.R=RF	4
.Z=None	5237
02.Per week	4017
04.Per month	779
06.Per year	175
07.Per other	52
11.Per day	810

Value	S2VGACTP
.A=All the time	1
.D=DK/NA	2
.M=Oth missing	278
.Q=Not asked this wv	4549
.R=RF	3
.U=Unmarried	5970
.V=Spouse NR	384
.Z=None	3910
02.Per week	3126
04.Per month	607
06.Per year	135
07.Per other	43
11.Per day	634

Value	R1LHTACT	R2LHTACT
.D=DK/NA		20
.M=Oth missing		249
.Q=Not asked this wv		8222
.R=RF		1
0.No	6043	3524
1.Yes	6609	7626

Value	S1LHTACT	S2LHTACT
.D=DK/NA		13
.M=Oth missing		195
.Q=Not asked this wv		4549
.R=RF		1
.U=Unmarried	2373	5970
.V=Spouse NR	379	384
0.No	4666	2605
1.Yes	5234	5925

Value	R1LTACTF
1.3+ per week	6609
2.1-2 per week	2676
3.1-3 per mon	1136
4.Lt 1 per mon	942
5.Never	1289

Value	S1LTACTF
.U=Unmarried	2373
.V=Spouse NR	379
1.3+ per week	5234
2.1-2 per week	2126
3.1-3 per mon	887
4.Lt 1 per mon	740
5.Never	913

Value	R2LTACTP
.A=All the time	1
.D=DK/NA	4
.M=Oth missing	418
.Q=Not asked this wv	8222
.Z=None	1451
02.Per week	5478
04.Per month	323
06.Per year	105
07.Per other	12
11.Per day	3628

Value	S2LTACTP
.A=All the time	1
.D=DK/NA	4
.M=Oth missing	328
.Q=Not asked this wv	4549
.U=Unmarried	5970
.V=Spouse NR	384
.Z=None	1002
02.Per week	4254
04.Per month	238
06.Per year	79
07.Per other	8
11.Per day	2825

Value	R7VGACTX
.D=DK/NA	17
.R=RF	3
1.Every day	385
2.>1 per week	4169
3.1 per week	1590
4.1-3 per mon	1464
5.Never	12501

Value	R8VGACTX	R9VGACTX	R10VGACTX	R11VGACTX	R12VGACTX
.D=DK/NA	18	9	39	61	76
.M=Oth missing	2			1	
.R=RF	4	1	10	3	4
1.Every day	520	456	531	450	478
2.>1 per week	3578	3361	4809	4527	4024
3.1 per week	1458	1403	2201	2248	1971
4.1-3 per mon	1190	1260	2021	1890	1814
5.Never	11699	10727	12423	11374	10381

Value	S7VGACTX
.D=DK/NA	10
.R=RF	3
.U=Unmarried	6777
.V=Spouse NR	380
1.Every day	283
2.>1 per week	3084
3.1 per week	1189
4.1-3 per mon	1092
5.Never	7311

Value	S8VGACTX	S9VGACTX	S10VGACTX	S11VGACTX	S12VGACTX
.D=DK/NA	8	8	16	38	41
.M=Oth missing	1			1	
.R=RF	2	1	5		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Every day	377	318	342	289	282
2.>1 per week	2626	2427	3331	3110	2699
3.1 per week	1070	1015	1512	1504	1276
4.1-3 per mon	862	892	1422	1333	1223
5.Never	6789	5985	6885	6213	5509

Value	R7MDACTX
.D=DK/NA	11
.R=RF	2
1.Every day	1096
2.>1 per week	9284
3.1 per week	3163
4.1-3 per mon	1914
5.Never	4659

Value	R8MDACTX	R9MDACTX	R10MDACTX	R11MDACTX	R12MDACTX
.D=DK/NA	11	8	28	31	56
.M=Oth missing	2			1	
.R=RF	2	1	5	2	2
1.Every day	1909	1777	1530	1467	1336
2.>1 per week	7939	6949	8754	8351	7310
3.1 per week	2649	2709	3868	3582	3254
4.1-3 per mon	1549	1703	2565	2439	2251
5.Never	4408	4070	5284	4681	4539

Value	S7MDACTX
.D=DK/NA	7
.R=RF	2
.U=Unmarried	6777
.V=Spouse NR	380
1.Every day	706
2.>1 per week	6439
3.1 per week	2207
4.1-3 per mon	1249
5.Never	2362

Value	S8MDACTX	S9MDACTX	S10MDACTX	S11MDACTX	S12MDACTX
.D=DK/NA	6	4	7	24	27
.M=Oth missing	1			1	
.R=RF	1	1	3		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Every day	1285	1106	940	892	758
2.>1 per week	5475	4682	5841	5466	4690
3.1 per week	1744	1791	2487	2277	2050
4.1-3 per mon	988	1059	1640	1537	1345
5.Never	2235	2003	2595	2291	2160

Value	R7LTACTX
.D=DK/NA	8
.R=RF	3
1.Every day	1074
2.>1 per week	10649
3.1 per week	4503
4.1-3 per mon	1301
5.Never	2591

Value	R8LTACTX	R9LTACTX	R10LTACTX	R11LTACTX	R12LTACTX
.D=DK/NA	7	10	17	31	24
.M=Oth missing	2			1	
.R=RF	1	1	8	4	3
1.Every day	2158	2090	1875	1713	1499
2.>1 per week	8841	7828	9874	9126	8091
3.1 per week	3840	3834	5553	5262	4942
4.1-3 per mon	1187	1076	1744	1625	1578
5.Never	2433	2378	2963	2792	2611

Value	S7LTACTX
.D=DK/NA	2
.R=RF	3
.U=Unmarried	6777
.V=Spouse NR	380
1.Every day	738
2.>1 per week	7293
3.1 per week	2698
4.1-3 per mon	877
5.Never	1361

Value	S8LTACTX	S9LTACTX	S10LTACTX	S11LTACTX	S12LTACTX
.D=DK/NA	5	3	9	19	7
.M=Oth missing	1			1	
.R=RF		1	3	1	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Every day	1501	1402	1215	1131	936
2.>1 per week	5987	5167	6545	6014	5252
3.1 per week	2254	2220	3164	2973	2634
4.1-3 per mon	751	692	1070	1000	939
5.Never	1236	1161	1507	1349	1262

How Constructed

R1LTACTF gives the Respondent's frequency of light physical activity or exercise. R1VGACTF gives the Respondent's frequency of vigorous physical activity, and R1HSWRKF gives the frequency of doing heavy housework. R2LTACTN and R2LTACTP give the Respondent's frequency of light physical activity as number of times and over what period, respectively. R2VGACTN and R2VGACTP give the same for the Respondent's frequency of vigorous physical activity. RwLHTACT and RwVIGACT indicate whether the Respondent participates in light and vigorous physical activity, respectively, 3 or more times a week.

S1LTACTF, S1VGACTF, S1HSWRKF, S2LTACTN, S2LTACTP, S2VGACTN, S2VGACTP, SwLHTACT, and SwVIGACT give this information for the Respondent's spouse or partner.

In Wave 2A, questions about light or vigorous are not asked. So for AHEAD Respondents, R2VIGACT, R2VGACTF, R2HSWRKF, R2VGACTN, R2VGACTP, R2LHTACT, R2LTACTF, R2LTACTN AND R2LTACTP are set to the .Q SAS special missing value, to indicate that no information is available.

The raw categorical Wave 1 variables are simply recoded for missings in R1LTACTF, R1VGACTF, and R1HSWRKF. The raw Wave 2H variables are recoded for missings with R2LTACTN and R2VGACTN set to number of times and R2LTACTP and R2VGACTP set to the period. For R2VGACTN/S2VGACTN and R2LTACTN/S2LTACTN, there is a code in the original HRS data for "All the time; All day at work," and this is recoded to 999.

R1LHTACT, R2LHTACT, R1VIGACT, and R2VIGACT are attempts to make Wave 1 and 2H variables that are compatible with yes/no answers for physical activity in later waves which ask if the Respondent participates in vigorous activity 3 or more times per week. For Wave 1, the derivation sets R1LHTACT to "yes" if R1LTACTF is 3+ times a week, and to "no" otherwise. The derivation for R1VIGACT combines the vigorous activity and heavy housework questions. If either is 3+ times/week, then R1VIGACT is set to "yes."

In Wave 2H, the derivation sets R2LHTACT based on the number of times and frequencies to arrive at a yes/no answer for 3+ times per week. It is made "yes" if the period is day, or if the Respondent answers 3+ times per week, 12+ times per month, or 156+ times a year. The derivation for R2VIGACT is the same.

From Wave 3 to Wave 6, the RwVIGACT derivation recodes the raw variable to "1" if the Respondent answers "yes," participates in vigorous physical activity 3 or more times a week, and to "0" for "no." The question about light physical activity is not asked.

Because of wording differences, even with the attempt to recode to a consistent measure, these variables seem to be significantly different measures across waves. From Wave 3 to Wave 6, the questions ask only about vigorous physical activity and include physical labor on the job and sports. Waves 1 and 2H list sports such as bowling and golf as examples in the light physical activity question, and do not mention activity on the job.

Beginning in Wave 7, the single question about vigorous physical activity is replaced with three questions about physical activity, which offer the choice of vigorous, moderate or light physical activity occurring every day, more than once per week, once per week, one to three times per month, or never. These measures are derived as RwVGACTX, RwMDACTX, RwLTACTX, SwVGACTX, SwMDACTX and SwLTACTX. Please see Appendix A for detailed comparisons.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S2VIGACT is taken from the Wave 2 spouse's R2VIGACT variable.

Cross Wave Differences in Original HRS Data

In Wave 1, three questions ask about light physical activity, vigorous physical activity, and doing heavy housework:

"The next few questions are about exercise. How often do you participate in light physical activity–such as walking, dancing, gardening, golfing, bowling, etc?"

"How often do you participate in vigorous physical exercise or sports–such as aerobics, running, swimming, or bicycling?"

"How often do you do heavy housework like scrubbing floors or washing windows?"

The answers are 5-category frequencies: 3+ times/week, 1-2 times/week, 1-2 times/month, less than 1/month, and never.

In Wave 2H, the question wording about light physical activity is similar but the question about vigorous physical activity includes doing heavy housework and both questions are answered in two parts:

"The next few questions are about physical activities. Please tell me how often you participate in light physical activity–such as walking, dancing, gardening, golfing, bowling, etc?"

"How often do you participate in vigorous physical activity or sports–such as heavy housework, aerobics, running, swimming, or bicycling?"

The answers are given as how many times and over what period.

In Wave 2A, the questions are not asked.

From Waves 3 to 6, the question about light physical activity is not asked. The only question about physical activity asks:

"On average over the last 12 months have you participated in vigorous physical activity or exercise three times a

week or more? By vigorous physical activity, we mean things like sports, heavy housework, or a job that involves physical labor."

The answers are given as "yes" or "no," for 3 or more times per week.

Beginning in Wave 7, the single question about vigorous physical activity is replaced with three questions covering vigorous, moderate or light physical activity. The possible responses also change to: every day, more than once per week, once per week, one to three times per month, or never. The wording for these questions is:

"We would like to know the type and amount of physical activity involved in your daily life. How often do you take part in sports or activities that are vigorous, such as running or jogging, swimming, cycling, aerobics or gym workout, tennis, or digging with a spade or shovel?"

"And how often do you take part in sports or activities that are moderately energetic such as, gardening, cleaning the car, walking at a moderate pace, dancing, floor or stretching exercises?"

"And how often do you take part in sports or activities that are mildly energetic, such as vacuuming, laundry, home repairs?"

HRS Variables Used

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HRS 1992:
    V512            B38:FREQ:LIGHT PHYS :IMP
    V513            B39:FREQ:HEAVY PHYS :IMP
    V514            B40:HEAVY HOUSE WORK:IMP
HRS 1994:
    W458            B42.LIGHT PHYSICAL EXERC
    W459            B42a.AMOUNT WEEK/MONTH/Y
    W460            B43.VIGOROUS EXERCISE
    W461            B43a.AMOUNT WEEK/MONTH/Y
AHEAD 1995:
    D934            B19Q. VIGOROUS EXERCISE
HRS 1996:
    E934            B19Q. VIGOROUS EXERCISE
HRS 1998:
    F1262           B19Q. VIGOROUS EXERCISE
HRS 2000:
    G1395           B19Q. VIGOROUS EXERCISE
HRS 2002:
    HC115           VIGOROUS EXERCISE
HRS 2004:
    JC223           HOW OFTEN VIGOROUS ACTIVITY
    JC224           HOW OFTEN MODERATE ACTIVITY
    JC225           HOW OFTEN MILD ACTIVITY
HRS 2006:
    KC223           HOW OFTEN VIGOROUS ACTIVITY
    KC224           HOW OFTEN MODERATE ACTIVITY
    KC225           HOW OFTEN MILD ACTIVITY
HRS 2008:
    LC223           HOW OFTEN VIGOROUS ACTIVITY
    LC224           HOW OFTEN MODERATE ACTIVITY
    LC225           HOW OFTEN MILD ACTIVITY
HRS 2010:
    MC223           HOW OFTEN VIGOROUS ACTIVITY
    MC224           HOW OFTEN MODERATE ACTIVITY
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    MC225           HOW OFTEN MILD ACTIVITY
HRS 2012:
    NC223           HOW OFTEN VIGOROUS ACTIVITY
    NC224           HOW OFTEN MODERATE ACTIVITY
    NC225           HOW OFTEN MILD ACTIVITY
HRS 2014:
    OC223           HOW OFTEN VIGOROUS ACTIVITY
    OC224           HOW OFTEN MODERATE ACTIVITY
    OC225           HOW OFTEN MILD ACTIVITY
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Health behaviors: Drinking

Wave	Variable	Label	Type
1	R1DRINK	R1DRINK:W1 R ever drinks any alcohol	Categ
2	R2DRINK	R2DRINK:W2 R ever drinks any alcohol	Categ
3	R3DRINK	R3DRINK:W3 R ever drinks any alcohol	Categ
4	R4DRINK	R4DRINK:W4 R ever drinks any alcohol	Categ
5	R5DRINK	R5DRINK:W5 R ever drinks any alcohol	Categ
6	R6DRINK	R6DRINK:W6 R ever drinks any alcohol	Categ
7	R7DRINK	R7DRINK:W7 R ever drinks any alcohol	Categ
8	R8DRINK	R8DRINK:W8 R ever drinks any alcohol	Categ
9	R9DRINK	R9DRINK:W9 R ever drinks any alcohol	Categ
10	R10DRINK	R10DRINK:W10 R ever drinks any alcohol	Categ
11	R11DRINK	R11DRINK:W11 R ever drinks any alcohol	Categ
12	R12DRINK	R12DRINK:W12 R ever drinks any alcohol	Categ
1	S1DRINK	S1DRINK:W1 S ever drinks any alcohol	Categ
2	S2DRINK	S2DRINK:W2 S ever drinks any alcohol	Categ
3	S3DRINK	S3DRINK:W3 S ever drinks any alcohol	Categ
4	S4DRINK	S4DRINK:W4 S ever drinks any alcohol	Categ
5	S5DRINK	S5DRINK:W5 S ever drinks any alcohol	Categ
6	S6DRINK	S6DRINK:W6 S ever drinks any alcohol	Categ
7	S7DRINK	S7DRINK:W7 S ever drinks any alcohol	Categ
8	S8DRINK	S8DRINK:W8 S ever drinks any alcohol	Categ
9	S9DRINK	S9DRINK:W9 S ever drinks any alcohol	Categ
10	S10DRINK	S10DRINK:W10 S ever drinks any alcohol	Categ
11	S11DRINK	S11DRINK:W11 S ever drinks any alcohol	Categ
12	S12DRINK	S12DRINK:W12 S ever drinks any alcohol	Categ
1	R1DRINKR	R1DRINKR:W1 R range of # drinks/day	Categ
2	R2DRINKR	R2DRINKR:W2 R range of # drinks/day	Categ
1	S1DRINKR	S1DRINKR:W1 S range of # drinks/day	Categ
2	S2DRINKR	S2DRINKR:W2 S range of # drinks/day	Categ
3	R3DRINKD	R3DRINKD:W3 R # days/week drinks	Categ
4	R4DRINKD	R4DRINKD:W4 R # days/week drinks	Categ
5	R5DRINKD	R5DRINKD:W5 R # days/week drinks	Categ
6	R6DRINKD	R6DRINKD:W6 R # days/week drinks	Categ
7	R7DRINKD	R7DRINKD:W7 R # days/week drinks	Categ
8	R8DRINKD	R8DRINKD:W8 R # days/week drinks	Categ
9	R9DRINKD	R9DRINKD:W9 R # days/week drinks	Categ
10	R10DRINKD	R10DRINKD:W10 R # days/week drinks	Categ
11	R11DRINKD	R11DRINKD:W11 R # days/week drinks	Categ
12	R12DRINKD	R12DRINKD:W12 R # days/week drinks	Categ
3	S3DRINKD	S3DRINKD:W3 S # days/week drinks	Categ
4	S4DRINKD	S4DRINKD:W4 S # days/week drinks	Categ
5	S5DRINKD	S5DRINKD:W5 S # days/week drinks	Categ
6	S6DRINKD	S6DRINKD:W6 S # days/week drinks	Categ
7	S7DRINKD	S7DRINKD:W7 S # days/week drinks	Categ
8	S8DRINKD	S8DRINKD:W8 S # days/week drinks	Categ
9	S9DRINKD	S9DRINKD:W9 S # days/week drinks	Categ
10	S10DRINKD	S10DRINKD:W10 S # days/week drinks	Categ
11	S11DRINKD	S11DRINKD:W11 S # days/week drinks	Categ
12	S12DRINKD	S12DRINKD:W12 S # days/week drinks	Categ
3	R3DRINKN	R3DRINKN:W3 R # drinks/day when drinks	Categ
4	R4DRINKN	R4DRINKN:W4 R # drinks/day when drinks	Categ
5	R5DRINKN	R5DRINKN:W5 R # drinks/day when drinks	Categ
6	R6DRINKN	R6DRINKN:W6 R # drinks/day when drinks	Categ
7	R7DRINKN	R7DRINKN:W7 R # drinks/day when drinks	Categ
8	R8DRINKN	R8DRINKN:W8 R # drinks/day when drinks	Categ
9	R9DRINKN	R9DRINKN:W9 R # drinks/day when drinks	Categ
10	R10DRINKN	R10DRINKN:W10 R # drinks/day when drinks	Categ
11	R11DRINKN	R11DRINKN:W11 R # drinks/day when drinks	Categ
12	R12DRINKN	R12DRINKN:W12 R # drinks/day when drinks	Categ
3	S3DRINKN	S3DRINKN:W3 S # drinks/day when drinks	Categ

4	S4DRINKN	S4DRINKN:W4	S # drinks/day when drinks	Categ
5	S5DRINKN	S5DRINKN:W5	S # drinks/day when drinks	Categ
6	S6DRINKN	S6DRINKN:W6	S # drinks/day when drinks	Categ
7	S7DRINKN	S7DRINKN:W7	S # drinks/day when drinks	Categ
8	S8DRINKN	S8DRINKN:W8	S # drinks/day when drinks	Categ
9	S9DRINKN	S9DRINKN:W9	S # drinks/day when drinks	Categ
10	S10DRINKN	S10DRINKN:W10	S # drinks/day when drinks	Categ
11	S11DRINKN	S11DRINKN:W11	S # drinks/day when drinks	Categ
12	S12DRINKN	S12DRINKN:W12	S # drinks/day when drinks	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DRINK	12652	0.61	0.49	0.0	1.0
R2DRINK	19637	0.50	0.50	0.0	1.0
R3DRINK	17986	0.46	0.50	0.0	1.0
R4DRINK	21379	0.47	0.50	0.0	1.0
R5DRINK	19575	0.45	0.50	0.0	1.0
R6DRINK	18161	0.45	0.50	0.0	1.0
R7DRINK	20125	0.49	0.50	0.0	1.0
R8DRINK	18462	0.50	0.50	0.0	1.0
R9DRINK	17215	0.49	0.50	0.0	1.0
R10DRINK	22031	0.56	0.50	0.0	1.0
R11DRINK	20549	0.54	0.50	0.0	1.0
R12DRINK	18722	0.53	0.50	0.0	1.0
S1DRINK	9900	0.61	0.49	0.0	1.0
S2DRINK	13085	0.54	0.50	0.0	1.0
S3DRINK	11912	0.51	0.50	0.0	1.0
S4DRINK	13977	0.51	0.50	0.0	1.0
S5DRINK	12728	0.49	0.50	0.0	1.0
S6DRINK	11636	0.49	0.50	0.0	1.0
S7DRINK	12969	0.53	0.50	0.0	1.0
S8DRINK	11731	0.54	0.50	0.0	1.0
S9DRINK	10645	0.54	0.50	0.0	1.0
S10DRINK	13511	0.60	0.49	0.0	1.0
S11DRINK	12485	0.58	0.49	0.0	1.0
S12DRINK	11018	0.58	0.49	0.0	1.0
R1DRINKR	12652	0.83	0.88	0.0	4.0
R2DRINKR	19623	0.67	0.81	0.0	4.0
S1DRINKR	9900	0.84	0.87	0.0	4.0
S2DRINKR	13078	0.73	0.83	0.0	4.0
R3DRINKD	17925	1.02	2.00	0.0	7.0
R4DRINKD	21379	1.01	2.03	0.0	7.0
R5DRINKD	19561	0.94	1.98	0.0	7.0
R6DRINKD	18129	1.00	2.00	0.0	7.0
R7DRINKD	20090	1.08	2.04	0.0	7.0
R8DRINKD	18438	1.09	2.06	0.0	7.0
R9DRINKD	17198	1.09	2.06	0.0	7.0
R10DRINKD	21986	1.11	1.97	0.0	7.0
R11DRINKD	20496	1.09	1.94	0.0	7.0
R12DRINKD	18614	1.11	1.95	0.0	7.0
S3DRINKD	11872	1.14	2.08	0.0	7.0

S4DRINKD	13977	1.14	2.12	0.0	7.0
S5DRINKD	12719	1.07	2.08	0.0	7.0
S6DRINKD	11615	1.14	2.09	0.0	7.0
S7DRINKD	12948	1.23	2.15	0.0	7.0
S8DRINKD	11721	1.26	2.19	0.0	7.0
S9DRINKD	10636	1.28	2.18	0.0	7.0
S10DRINKD	13492	1.26	2.06	0.0	7.0
S11DRINKD	12461	1.24	2.05	0.0	7.0
S12DRINKD	10961	1.26	2.04	0.0	7.0
R3DRINKN	17899	0.64	1.69	0.0	99.0
R4DRINKN	21317	0.61	1.36	0.0	38.0
R5DRINKN	19529	0.54	1.25	0.0	32.0
R6DRINKN	18128	0.59	1.23	0.0	23.0
R7DRINKN	20078	0.69	1.48	0.0	50.0
R8DRINKN	18424	0.65	1.34	0.0	45.0
R9DRINKN	17194	0.66	1.32	0.0	17.0
R10DRINKN	21984	0.83	1.61	0.0	40.0
R11DRINKN	20491	0.79	1.49	0.0	30.0
R12DRINKN	18643	0.78	1.41	0.0	15.0
S3DRINKN	11856	0.70	1.34	0.0	30.0
S4DRINKN	13942	0.67	1.35	0.0	38.0
S5DRINKN	12699	0.61	1.28	0.0	32.0
S6DRINKN	11612	0.66	1.25	0.0	23.0
S7DRINKN	12946	0.76	1.49	0.0	50.0
S8DRINKN	11711	0.73	1.32	0.0	24.0
S9DRINKN	10631	0.75	1.36	0.0	15.0
S10DRINKN	13493	0.91	1.64	0.0	40.0
S11DRINKN	12455	0.86	1.50	0.0	30.0
S12DRINKN	10972	0.88	1.47	0.0	15.0

Categorical Variable Codes

Value	R1DRINK	R2DRINK	R3DRINK	R4DRINK	R5DRINK	R6DRINK	R7DRINK
.D=DK/NA	4	1	4	2	1	1
.M=Oth missing		2				
.R=RF	1	2	1	2	3	3
0.No	4996	9734	9685	11306	10768	10058	10354
1.Yes	7656	9903	8301	10073	8807	8103	9771

Value	R8DRINK	R9DRINK	R10DRINK	R11DRINK	R12DRINK
.D=DK/NA	1	2	1	25
.M=Oth missing	2		1	
.R=RF	5	1	1	3	1
0.No	9294	8810	9735	9534	8721
1.Yes	9168	8405	12296	11015	10001

Value	S1DRINK	S2DRINK	S3DRINK	S4DRINK	S5DRINK	S6DRINK	S7DRINK
.D=DK/NA	2	1				
.M=Oth missing		2				
.R=RF	1	1	2	3	3
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	3826	6035	5894	6834	6439	5893	6103
1.Yes	6074	7050	6018	7143	6289	5743	6866

Value	S8DRINK	S9DRINK	S10DRINK	S11DRINK	S12DRINK
.D=DK/NA	1	1	12
.M=Oth missing	1	1	
.R=RF	3	1	1	1	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5395	4915	5428	5254	4605
1.Yes	6336	5730	8083	7231	6413

Value	R1DRINKR	R2DRINKR
.D=DK/NA	15
.R=RF	4
0.Doesn't drink	4996	9734
1.Lt 1/day	5676	7425
2.1-2/day	1285	1793
3.3-4/day	483	496
4.5+/day	212	175

Value	S1DRINKR	S2DRINKR
.D=DK/NA		8
.R=RF		2
.U=Unmarried	2373	5970
.V=Spouse NR	379	584
0.Doesn't drink	3826	6035
1.Lt 1/day	4525	5220
2.1-2/day	1005	1322
3.3-4/day	393	376
4.5+/day	151	125

Value	R3DRINKD	R4DRINKD	R5DRINKD	R6DRINKD	R7DRINKD
.D=DK/NA	59	4	12	28	33
.M=Oth missing	3				
.R=RF	4	1	6	8	6
0.0 or doesnt drink	12368	15113	14323	12797	13549
1	1805	1859	1452	1610	2115
2	1008	1157	968	956	1130
3	761	795	727	749	878
4	305	398	332	315	413
5	329	363	310	347	407
6	122	154	142	154	186
7	1227	1540	1307	1201	1412

Value	R8DRINKD	R9DRINKD	R10DRINKD	R11DRINKD	R12DRINKD
.D=DK/NA	21	11	39	47	129
.M=Oth missing	2			1	
.R=RF	8	8	9	10	5
0.0 or doesnt drink	12491	11588	13830	12987	11697
1	1844	1760	2936	2709	2485
2	1043	1022	1565	1458	1326
3	783	707	1110	1033	958
4	399	368	494	480	453
5	394	354	497	458	443
6	164	180	230	217	212
7	1320	1219	1324	1154	1040

Value	S3DRINKD	S4DRINKD	S5DRINKD	S6DRINKD	S7DRINKD
.D=DK/NA	39	1	6	16	19
.M=Oth missing	2				
.R=RF	2		5	8	5
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.0 or doesnt drink	7787	9397	8845	7716	8215
1	1306	1372	1083	1174	1492
2	730	810	694	676	810
3	571	573	541	547	604
4	232	295	240	251	314
5	260	288	246	267	318
6	98	124	115	128	149
7	888	1118	955	856	1046

Value	S8DRINKD	S9DRINKD	S10DRINKD	S11DRINKD	S12DRINKD
.D=DK/NA	8	5	15	24	67
.M=Oth missing	1			1	
.R=RF	5	5	6	2	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.0 or doesnt drink	7461	6663	7963	7423	6377
1	1271	1205	1933	1775	1630
2	719	725	1028	938	839
3	538	474	758	675	631
4	296	271	350	325	319

5	312	267	381	349	319
6	133	147	177	163	153
7	991	884	902	813	693

Value	R3DRINKN	R4DRINKN	R5DRINKN	R6DRINKN	R7DRINKN
.D=DK/NA	78	27	40	29	33
.M=Oth missing	7	35	3		9
.R=RF	7	5	7	8	9
0.0 or doesnt drink	12387	15143	14362	12818	13552
1	2469	2757	2336	2479	2891
2	1826	2006	1724	1680	2057
3	640	737	593	645	848
4	244	286	227	214	316
5	101	107	81	84	98
6	140	160	115	121	189
7	13	24	18	20	12
8	22	34	24	23	34
9	4	2	1	2	6
10	15	20	19	17	24
11	1			1	2
12	23	24	17	18	31
13	1	1	2	1	1
14			1		1
15	5	2	2	3	6
16	1	6	2		1
18	1	1	1	1	
20	1	1			3
21					1
22		1			
23				1	
24	2	3			1
26			3		2
30	1				
32		1	1		
38		1			
45					1
50					1
99.All day	2				

Value	R8DRINKN	R9DRINKN	R10DRINKN	R11DRINKN	R12DRINKN
.D=DK/NA	29	13	41	47	94
.M=Oth missing	6		1	3	
.R=RF	10	10	8	13	11
0.0 or doesnt drink	12517	11598	13832	12941	11713
1	2716	2618	3412	3260	3023
2	1911	1757	2574	2456	2232
3	692	653	1058	943	887
4	252	243	423	391	352
5	94	93	175	141	124
6	153	127	290	201	167
7	15	18	30	15	25
8	19	29	62	49	48
9	2	2	7	6	3
10	19	16	40	29	27
11	2	1	2	2	1
12	23	30	51	39	31
13			1	1	1
14		1	3	4	
15	4	6	14	6	9
16		1	2		
17		1			
18	2		2	1	
20			2	2	
24	1		2	1	
26				1	
27	1				
30				2	
36			1		

40		1
45	1	

Value	S3DRINKN	S4DRINKN	S5DRINKN	S6DRINKN	S7DRINKN
.D=DK/NA	51	15	24	19	14
.M=Oth missing	3	18	2		5
.R=RF	5	3	5	8	7
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.0 or doesnt drink	7799	9414	8871	7731	8219
1	1774	2011	1701	1827	2073
2	1391	1493	1316	1242	1547
3	469	537	453	473	604
4	187	214	157	146	222
5	71	76	60	57	66
6	105	120	80	83	132
7	8	16	14	12	8
8	14	24	16	16	24
9	2	2			2
10	11	11	10	8	17
11	1			1	
12	20	16	13	14	23
13	1	1	2		1
14			1		
15	2	2	1	1	2
16		3	2		1
20					1
21					1
23				1	
24		1			1
26			1		1
30	1				
32			1		
38		1			
50					1

Value	S8DRINKN	S9DRINKN	S10DRINKN	S11DRINKN	S12DRINKN
.D=DK/NA	14	8	12	25	52
.M=Oth missing	4		1	1	
.R=RF	6	7	7	7	7
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.0 or doesnt drink	7474	6668	7963	7395	6387
1	1917	1847	2337	2173	2016
2	1405	1259	1771	1668	1467
3	508	459	691	637	592
4	174	166	285	265	227
5	65	70	111	89	81
6	107	89	198	133	102
7	11	14	19	11	18
8	14	24	36	32	33
9	1	2	4	3	2
10	17	8	26	18	18
11	2		1	2	
12	13	22	35	22	22
13			1		1
14		1	3	2	
15	2	2	8	1	6
16			2		
20				2	
24	1				
30				2	
36			1		
40			1		

How Constructed

The RwDRINK variables indicate whether the Respondent ever drinks alcoholic beverages. The R1DRINKR, R2DRINKR, RwDRINKD, and RwDRINKN variables are the Respondent's answers to how often he/she drinks alcoholic beverages.

The SwDRINK, S1DRINKR, S2DRINKR, SwDRINKD, and SwDRINKN variables give this information for the Respondent's spouse or partner.

The drinking behavior variables are simply recoded from the raw HRS variables. For RwDRINKN, there is a code in the original HRS data for "drinks all day," and this is recoded to 99. There are different variables for how often the Respondent drinks in Waves 1 and 2 than in subsequent waves, because different follow-up questions are asked. If the Respondent says he/she never drinks alcohol, the "how often" variables are set to zero.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S2DRINK is taken from the Wave 2 spouse's R2DRINK variable.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2, a question asks: "Do you ever drink any alcoholic beverages, such as beer, wine, or liquor?" If yes, another question asks for a range of drinks per day in general. The possible answers are: less than 1, 1-2, 3-4, 5 or more.

From Wave 3 forward, the same initial question asks if the Respondent ever drinks alcoholic beverages. If yes, two follow-up questions are asked about the last 3 months:

"In the last three months, on average, how many days per week have you had any alcohol to drink? (For example, beer, wine, or any drink containing liquor.)"

"In the last three months, on the days you drink, about how many drinks do you have?"

If the answer to the first follow-up question is none or less than once week, then the second follow-up question is skipped.

HRS Variables Used

```
HRS 1992:
    V506            B36:CURR DRINK ALCOH:IMP
    V507            B36A:DRINKS PER DAY :IMP
AHEAD 1993:
    B301            B20. EVER DRINK ALCOHOL
    B302            B20a. # DRINKS PER DAY
HRS 1994:
    W456            B41.DRINK ALCOHOL
    W457            B41a.AMOUNT OF ALCOHOL P
AHEAD 1995:
    D949            B21.ALCOHOL
    D950            B21A.DRINK-# DAYS PER WEEK
    D951            B21B.# DRINKS-DAY
HRS 1996:
    E949            B21. ALCOHOL: EVER DRINK
    E950            B21A. ALCOHOL: NUM DAYS DRINK PER WEEK
    E951            B21C. ALCOHOL: NUM DRINKS PER DAY
```

```
HRS 1998:
    F1282           B21.ALCOHOL
    F1283           B21A.# DRINKS: DAYS PER WEEK
    F1284           B21B.# DRINKS-DAY
HRS 2000:
    G1415           B21.EVER DRINK ALCOHOL
    G1416           B21A.# DRINKS: DAYS PER WEEK
    G1417           B21B.# DRINKS-DAY
HRS 2002:
    HC128           EVER DRINK ALCOHOL
    HC129           NUMBER DAYS PER WEEK- DRINK ALCOHOL
    HC130           NUMBER DRINKS- PER DAY
HRS 2004:
    JC128           EVER DRINK ALCOHOL
    JC129           NUMBER DAYS PER WEEK- DRINK ALCOHOL
    JC130           NUMBER DRINKS- PER DAY
HRS 2006:
    KC128           EVER DRINK ALCOHOL
    KC129           NUMBER DAYS PER WEEK- DRINK ALCOHOL
    KC130           NUMBER DRINKS- PER DAY
HRS 2008:
    LC128           EVER DRINK ALCOHOL
    LC129           NUMBER DAYS PER WEEK- DRINK ALCOHOL
    LC130           NUMBER DRINKS- PER DAY
HRS 2010:
    MC128           EVER DRINK ALCOHOL
    MC129           NUMBER DAYS PER WEEK- DRINK ALCOHOL
    MC130           NUMBER DRINKS- PER DAY
HRS 2012:
    NC128           EVER DRINK ALCOHOL
    NC129           NUMBER DAYS PER WEEK- DRINK ALCOHOL
    NC130           NUMBER DRINKS- PER DAY
HRS 2014:
    OC128           EVER DRINK ALCOHOL
    OC129           NUMBER DAYS PER WEEK- DRINK ALCOHOL
    OC130           NUMBER DRINKS- PER DAY
```

Health behaviors: Preventive behaviors

Wave	Variable	Label	Type
3	R3CHOLST	R3CHOLST:W3 Prev Cholesterol	Categ
4	R4CHOLST	R4CHOLST:W4 Prev Cholesterol	Categ
5	R5CHOLST	R5CHOLST:W5 Prev Cholesterol	Categ
6	R6CHOLST	R6CHOLST:W6 Prev Cholesterol	Categ
7	R7CHOLST	R7CHOLST:W7 Prev Cholesterol	Categ
8	R8CHOLST	R8CHOLST:W8 Prev Cholesterol	Categ
9	R9CHOLST	R9CHOLST:W9 Prev Cholesterol	Categ
10	R10CHOLST	R10CHOLST:W10 Prev Cholesterol	Categ
11	R11CHOLST	R11CHOLST:W11 Prev Cholesterol	Categ
12	R12CHOLST	R12CHOLST:W12 Prev Cholesterol	Categ
3	S3CHOLST	S3CHOLST:W3 Prev Cholesterol	Categ
4	S4CHOLST	S4CHOLST:W4 Prev Cholesterol	Categ
5	S5CHOLST	S5CHOLST:W5 Prev Cholesterol	Categ
6	S6CHOLST	S6CHOLST:W6 Prev Cholesterol	Categ
7	S7CHOLST	S7CHOLST:W7 Prev Cholesterol	Categ
8	S8CHOLST	S8CHOLST:W8 Prev Cholesterol	Categ
9	S9CHOLST	S9CHOLST:W9 Prev Cholesterol	Categ
10	S10CHOLST	S10CHOLST:W10 Prev Cholesterol	Categ
11	S11CHOLST	S11CHOLST:W11 Prev Cholesterol	Categ
12	S12CHOLST	S12CHOLST:W12 Prev Cholesterol	Categ
3	R3FLUSHT	R3FLUSHT:W3 Prev Flu Shot	Categ
4	R4FLUSHT	R4FLUSHT:W4 Prev Flu Shot	Categ
5	R5FLUSHT	R5FLUSHT:W5 Prev Flu Shot	Categ
6	R6FLUSHT	R6FLUSHT:W6 Prev Flu Shot	Categ
7	R7FLUSHT	R7FLUSHT:W7 Prev Flu Shot	Categ
8	R8FLUSHT	R8FLUSHT:W8 Prev Flu Shot	Categ
9	R9FLUSHT	R9FLUSHT:W9 Prev Flu Shot	Categ
10	R10FLUSHT	R10FLUSHT:W10 Prev Flu Shot	Categ
11	R11FLUSHT	R11FLUSHT:W11 Prev Flu Shot	Categ
12	R12FLUSHT	R12FLUSHT:W12 Prev Flu Shot	Categ
3	S3FLUSHT	S3FLUSHT:W3 Prev Flu Shot	Categ
4	S4FLUSHT	S4FLUSHT:W4 Prev Flu Shot	Categ
5	S5FLUSHT	S5FLUSHT:W5 Prev Flu Shot	Categ
6	S6FLUSHT	S6FLUSHT:W6 Prev Flu Shot	Categ
7	S7FLUSHT	S7FLUSHT:W7 Prev Flu Shot	Categ
8	S8FLUSHT	S8FLUSHT:W8 Prev Flu Shot	Categ
9	S9FLUSHT	S9FLUSHT:W9 Prev Flu Shot	Categ
10	S10FLUSHT	S10FLUSHT:W10 Prev Flu Shot	Categ
11	S11FLUSHT	S11FLUSHT:W11 Prev Flu Shot	Categ
12	S12FLUSHT	S12FLUSHT:W12 Prev Flu Shot	Categ
3	R3BREAST	R3BREAST:W3 Prev Breast Check	Categ
4	R4BREAST	R4BREAST:W4 Prev Breast Check	Categ
5	R5BREAST	R5BREAST:W5 Prev Breast Check	Categ
6	R6BREAST	R6BREAST:W6 Prev Breast Check	Categ
7	R7BREAST	R7BREAST:W7 Prev Breast Check	Categ
8	R8BREAST	R8BREAST:W8 Prev Breast Check	Categ
9	R9BREAST	R9BREAST:W9 Prev Breast Check	Categ
10	R10BREAST	R10BREAST:W10 Prev Breast Check	Categ
3	S3BREAST	S3BREAST:W3 Prev Breast Check	Categ
4	S4BREAST	S4BREAST:W4 Prev Breast Check	Categ
5	S5BREAST	S5BREAST:W5 Prev Breast Check	Categ
6	S6BREAST	S6BREAST:W6 Prev Breast Check	Categ
7	S7BREAST	S7BREAST:W7 Prev Breast Check	Categ
8	S8BREAST	S8BREAST:W8 Prev Breast Check	Categ
9	S9BREAST	S9BREAST:W9 Prev Breast Check	Categ
10	S10BREAST	S10BREAST:W10 Prev Breast Check	Categ
3	R3MAMMOG	R3MAMMOG:W3 Prev Mammogram	Categ
4	R4MAMMOG	R4MAMMOG:W4 Prev Mammogram	Categ
5	R5MAMMOG	R5MAMMOG:W5 Prev Mammogram	Categ
6	R6MAMMOG	R6MAMMOG:W6 Prev Mammogram	Categ

7	R7MAMMOG	R7MAMMOG:W7 Prev Mammogram	Categ
8	R8MAMMOG	R8MAMMOG:W8 Prev Mammogram	Categ
9	R9MAMMOG	R9MAMMOG:W9 Prev Mammogram	Categ
10	R10MAMMOG	R10MAMMOG:W10 Prev Mammogram	Categ
11	R11MAMMOG	R11MAMMOG:W11 Prev Mammogram	Categ
12	R12MAMMOG	R12MAMMOG:W12 Prev Mammogram	Categ
3	S3MAMMOG	S3MAMMOG:W3 Prev Mammogram	Categ
4	S4MAMMOG	S4MAMMOG:W4 Prev Mammogram	Categ
5	S5MAMMOG	S5MAMMOG:W5 Prev Mammogram	Categ
6	S6MAMMOG	S6MAMMOG:W6 Prev Mammogram	Categ
7	S7MAMMOG	S7MAMMOG:W7 Prev Mammogram	Categ
8	S8MAMMOG	S8MAMMOG:W8 Prev Mammogram	Categ
9	S9MAMMOG	S9MAMMOG:W9 Prev Mammogram	Categ
10	S10MAMMOG	S10MAMMOG:W10 Prev Mammogram	Categ
11	S11MAMMOG	S11MAMMOG:W11 Prev Mammogram	Categ
12	S12MAMMOG	S12MAMMOG:W12 Prev Mammogram	Categ
3	R3PAPSM	R3PAPSM:W3 Prev Pap Smear	Categ
4	R4PAPSM	R4PAPSM:W4 Prev Pap Smear	Categ
5	R5PAPSM	R5PAPSM:W5 Prev Pap Smear	Categ
6	R6PAPSM	R6PAPSM:W6 Prev Pap Smear	Categ
7	R7PAPSM	R7PAPSM:W7 Prev Pap Smear	Categ
8	R8PAPSM	R8PAPSM:W8 Prev Pap Smear	Categ
9	R9PAPSM	R9PAPSM:W9 Prev Pap Smear	Categ
10	R10PAPSM	R10PAPSM:W10 Prev Pap Smear	Categ
11	R11PAPSM	R11PAPSM:W11 Prev Pap Smear	Categ
12	R12PAPSM	R12PAPSM:W12 Prev Pap Smear	Categ
3	S3PAPSM	S3PAPSM:W3 Prev Pap Smear	Categ
4	S4PAPSM	S4PAPSM:W4 Prev Pap Smear	Categ
5	S5PAPSM	S5PAPSM:W5 Prev Pap Smear	Categ
6	S6PAPSM	S6PAPSM:W6 Prev Pap Smear	Categ
7	S7PAPSM	S7PAPSM:W7 Prev Pap Smear	Categ
8	S8PAPSM	S8PAPSM:W8 Prev Pap Smear	Categ
9	S9PAPSM	S9PAPSM:W9 Prev Pap Smear	Categ
10	S10PAPSM	S10PAPSM:W10 Prev Pap Smear	Categ
11	S11PAPSM	S11PAPSM:W11 Prev Pap Smear	Categ
12	S12PAPSM	S12PAPSM:W12 Prev Pap Smear	Categ
3	R3PROST	R3PROST:W3 Prev Prostate	Categ
4	R4PROST	R4PROST:W4 Prev Prostate	Categ
5	R5PROST	R5PROST:W5 Prev Prostate	Categ
6	R6PROST	R6PROST:W6 Prev Prostate	Categ
7	R7PROST	R7PROST:W7 Prev Prostate	Categ
8	R8PROST	R8PROST:W8 Prev Prostate	Categ
9	R9PROST	R9PROST:W9 Prev Prostate	Categ
10	R10PROST	R10PROST:W10 Prev Prostate	Categ
11	R11PROST	R11PROST:W11 Prev Prostate	Categ
12	R12PROST	R12PROST:W12 Prev Prostate	Categ
3	S3PROST	S3PROST:W3 Prev Prostate	Categ
4	S4PROST	S4PROST:W4 Prev Prostate	Categ
5	S5PROST	S5PROST:W5 Prev Prostate	Categ
6	S6PROST	S6PROST:W6 Prev Prostate	Categ
7	S7PROST	S7PROST:W7 Prev Prostate	Categ
8	S8PROST	S8PROST:W8 Prev Prostate	Categ
9	S9PROST	S9PROST:W9 Prev Prostate	Categ
10	S10PROST	S10PROST:W10 Prev Prostate	Categ
11	S11PROST	S11PROST:W11 Prev Prostate	Categ
12	S12PROST	S12PROST:W12 Prev Prostate	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3CHOLST	17846	0.72	0.45	0.0	1.0

R4CHOLST	5078	0.75	0.43	0.0	1.0
R5CHOLST	19464	0.76	0.43	0.0	1.0
R6CHOLST	229	0.78	0.42	0.0	1.0
R7CHOLST	19845	0.82	0.38	0.0	1.0
R8CHOLST	207	0.79	0.41	0.0	1.0
R9CHOLST	16962	0.85	0.36	0.0	1.0
R10CHOLST	6430	0.76	0.43	0.0	1.0
R11CHOLST	20371	0.83	0.37	0.0	1.0
R12CHOLST	183	0.69	0.46	0.0	1.0
S3CHOLST	11863	0.73	0.44	0.0	1.0
S4CHOLST	3497	0.75	0.43	0.0	1.0
S5CHOLST	12674	0.78	0.41	0.0	1.0
S6CHOLST	214	0.79	0.41	0.0	1.0
S7CHOLST	12864	0.84	0.37	0.0	1.0
S8CHOLST	198	0.81	0.39	0.0	1.0
S9CHOLST	10547	0.87	0.34	0.0	1.0
S10CHOLST	4097	0.77	0.42	0.0	1.0
S11CHOLST	12424	0.85	0.36	0.0	1.0
S12CHOLST	172	0.70	0.46	0.0	1.0
R3FLUSHT	17958	0.49	0.50	0.0	1.0
R4FLUSHT	5090	0.53	0.50	0.0	1.0
R5FLUSHT	19548	0.61	0.49	0.0	1.0
R6FLUSHT	229	0.51	0.50	0.0	1.0
R7FLUSHT	20063	0.62	0.49	0.0	1.0
R8FLUSHT	210	0.50	0.50	0.0	1.0
R9FLUSHT	17178	0.65	0.48	0.0	1.0
R10FLUSHT	6447	0.47	0.50	0.0	1.0
R11FLUSHT	20502	0.65	0.48	0.0	1.0
R12FLUSHT	183	0.62	0.49	0.0	1.0
S3FLUSHT	11903	0.48	0.50	0.0	1.0
S4FLUSHT	3503	0.53	0.50	0.0	1.0
S5FLUSHT	12720	0.61	0.49	0.0	1.0
S6FLUSHT	213	0.52	0.50	0.0	1.0
S7FLUSHT	12951	0.62	0.49	0.0	1.0
S8FLUSHT	201	0.49	0.50	0.0	1.0
S9FLUSHT	10632	0.64	0.48	0.0	1.0
S10FLUSHT	4105	0.48	0.50	0.0	1.0
S11FLUSHT	12468	0.64	0.48	0.0	1.0
S12FLUSHT	172	0.63	0.48	0.0	1.0
R3BREAST	10464	0.58	0.49	0.0	1.0
R4BREAST	2834	0.63	0.48	0.0	1.0
R5BREAST	11419	0.60	0.49	0.0	1.0
R6BREAST	126	0.57	0.50	0.0	1.0
R7BREAST	11680	0.58	0.49	0.0	1.0
R8BREAST	110	0.60	0.49	0.0	1.0
R9BREAST	10124	0.56	0.50	0.0	1.0
R10BREAST	3525	0.61	0.49	0.0	1.0
S3BREAST	5945	0.62	0.49	0.0	1.0
S4BREAST	1755	0.64	0.48	0.0	1.0
S5BREAST	6350	0.64	0.48	0.0	1.0
S6BREAST	118	0.56	0.50	0.0	1.0
S7BREAST	6447	0.62	0.49	0.0	1.0
S8BREAST	107	0.60	0.49	0.0	1.0
S9BREAST	5302	0.60	0.49	0.0	1.0

S10BREAST	2045	0.60	0.49	0.0	1.0
R3MAMMOG	10475	0.65	0.48	0.0	1.0
R4MAMMOG	2835	0.77	0.42	0.0	1.0
R5MAMMOG	11419	0.72	0.45	0.0	1.0
R6MAMMOG	126	0.75	0.43	0.0	1.0
R7MAMMOG	11697	0.72	0.45	0.0	1.0
R8MAMMOG	110	0.74	0.44	0.0	1.0
R9MAMMOG	10116	0.71	0.45	0.0	1.0
R10MAMMOG	3524	0.74	0.44	0.0	1.0
R11MAMMOG	11945	0.67	0.47	0.0	1.0
R12MAMMOG	84	0.65	0.48	0.0	1.0
S3MAMMOG	5949	0.71	0.45	0.0	1.0
S4MAMMOG	1754	0.79	0.41	0.0	1.0
S5MAMMOG	6353	0.78	0.42	0.0	1.0
S6MAMMOG	118	0.76	0.43	0.0	1.0
S7MAMMOG	6462	0.78	0.42	0.0	1.0
S8MAMMOG	107	0.73	0.45	0.0	1.0
S9MAMMOG	5314	0.78	0.41	0.0	1.0
S10MAMMOG	2044	0.75	0.43	0.0	1.0
S11MAMMOG	6221	0.72	0.45	0.0	1.0
S12MAMMOG	79	0.66	0.48	0.0	1.0
R3PAPSM	10449	0.59	0.49	0.0	1.0
R4PAPSM	2831	0.71	0.46	0.0	1.0
R5PAPSM	11406	0.61	0.49	0.0	1.0
R6PAPSM	124	0.73	0.45	0.0	1.0
R7PAPSM	11644	0.60	0.49	0.0	1.0
R8PAPSM	107	0.72	0.45	0.0	1.0
R9PAPSM	10080	0.51	0.50	0.0	1.0
R10PAPSM	3522	0.72	0.45	0.0	1.0
R11PAPSM	11927	0.47	0.50	0.0	1.0
R12PAPSM	84	0.62	0.49	0.0	1.0
S3PAPSM	5936	0.66	0.47	0.0	1.0
S4PAPSM	1754	0.74	0.44	0.0	1.0
S5PAPSM	6349	0.69	0.46	0.0	1.0
S6PAPSM	116	0.72	0.45	0.0	1.0
S7PAPSM	6437	0.68	0.47	0.0	1.0
S8PAPSM	104	0.72	0.45	0.0	1.0
S9PAPSM	5285	0.59	0.49	0.0	1.0
S10PAPSM	2043	0.75	0.43	0.0	1.0
S11PAPSM	6212	0.54	0.50	0.0	1.0
S12PAPSM	79	0.61	0.49	0.0	1.0
R3PROST	7451	0.68	0.47	0.0	1.0
R4PROST	2249	0.70	0.46	0.0	1.0
R5PROST	8077	0.73	0.44	0.0	1.0
R6PROST	100	0.70	0.46	0.0	1.0
R7PROST	8273	0.73	0.45	0.0	1.0
R8PROST	103	0.68	0.47	0.0	1.0
R9PROST	6961	0.72	0.45	0.0	1.0
R10PROST	2878	0.59	0.49	0.0	1.0
R11PROST	8393	0.63	0.48	0.0	1.0
R12PROST	97	0.62	0.49	0.0	1.0
S3PROST	5941	0.69	0.46	0.0	1.0
S4PROST	1745	0.71	0.45	0.0	1.0

S5PROST	6343	0.75	0.43	0.0	1.0
S6PROST	93	0.71	0.46	0.0	1.0
S7PROST	6436	0.75	0.43	0.0	1.0
S8PROST	97	0.68	0.47	0.0	1.0
S9PROST	5287	0.74	0.44	0.0	1.0
S10PROST	2027	0.59	0.49	0.0	1.0
S11PROST	6143	0.66	0.47	0.0	1.0
S12PROST	91	0.65	0.48	0.0	1.0

Categorical Variable Codes

Value	R3CHOLST	R4CHOLST	R5CHOLST	R6CHOLST	R7CHOLST
.A=Asked prv wave		15759		17219	
.D=DK/NA	141	15	114	3	283
.M=Oth missing	2	532		714	
.R=RF	2		1		1
0.No	5062	1246	4630	51	3545
1.Yes	12784	3832	14834	178	16300

Value	R8CHOLST	R9CHOLST	R10CHOLST	R11CHOLST	R12CHOLST
.A=Asked prv wave	17818		15022		18071
.D=DK/NA	6	253	20	179	
.M=Oth missing	438		562	1	494
.R=RF		2		3	
0.No	43	2565	1542	3401	56
1.Yes	164	14397	4888	16970	127

Value	S3CHOLST	S4CHOLST	S5CHOLST	S6CHOLST	S7CHOLST
.A=Asked prv wave		10176		11036	
.D=DK/NA	49	9	55	1	108
.M=Oth missing	2	296		388	
.R=RF	1		1		
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	3225	880	2794	45	2090
1.Yes	8638	2617	9880	169	10774

Value	S8CHOLST	S9CHOLST	S10CHOLST	S11CHOLST	S12CHOLST
.A=Asked prv wave	11313		9106		10625
.D=DK/NA	6	98	10	62	
.M=Oth missing	218		300	1	234
.R=RF		1		1	
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	38	1416	957	1892	52
1.Yes	160	9131	3140	10532	120

Value	R3FLUSHT	R4FLUSHT	R5FLUSHT	R6FLUSHT	R7FLUSHT
.A=Asked prv wave		15759		17219	
.D=DK/NA	28	3	31	3	63
.M=Oth missing	2	532		714	
.R=RF	3				3
0.No	9230	2371	7624	113	7684
1.Yes	8728	2719	11924	116	12379

Value	R8FLUSHT	R9FLUSHT	R10FLUSHT	R11FLUSHT	R12FLUSHT
.A=Asked prv wave	17818		15022		18071
.D=DK/NA	3	37	3	48	
.M=Oth missing	438		562	1	494
.R=RF		2		3	
0.No	106	6028	3399	7235	70
1.Yes	104	11150	3048	13267	113

Value	S3FLUSHT	S4FLUSHT	S5FLUSHT	S6FLUSHT	S7FLUSHT
.A=Asked prv wave		10176		11036	
.D=DK/NA	9	3	10	2	19
.M=Oth missing	2	296		388	
.R=RF	1				2
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	6217	1655	5019	103	4983
1.Yes	5686	1848	7701	110	7968

Value	S8FLUSHT	S9FLUSHT	S10FLUSHT	S11FLUSHT	S12FLUSHT
.A=Asked prv wave	11313		9106		10625
.D=DK/NA	3	13	2	18	
.M=Oth missing	218		300	1	234
.R=RF		1		1	
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	103	3810	2152	4428	63
1.Yes	98	6822	1953	8040	109

Value	R3BREAST	R4BREAST	R5BREAST	R6BREAST	R7BREAST
.A=Asked prv wave		9297		10176	
.D=DK/NA	38	4	43	2	94
.M=Oth missing	4	294	8	403	9
.R=RF			1	2	4
.S=Skip	7478	8955	8108	7456	8342
.X=Missing organ	7				
0.No	4360	1042	4560	54	4945
1.Yes	6104	1792	6859	72	6735

Value	R8BREAST	R9BREAST	R10BREAST
.A=Asked prv wave	10508		8939
.D=DK/NA		69	7
.M=Oth missing	266	4	349
.R=RF		2	4
.S=Skip	7585	7018	9210
0.No	44	4447	1381
1.Yes	66	5677	2144

Value	S3BREAST	S4BREAST	S5BREAST	S6BREAST	S7BREAST
.A=Asked prv wave		5089		5509	
.D=DK/NA	6	2	12		38
.M=Oth missing	2	143	3	189	5
.R=RF			1	2	3
.S=Skip	5957	6989	6364	5821	6479
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=Missing organ	5				
0.No	2273	624	2269	52	2480
1.Yes	3672	1131	4081	66	3967

Value	S8BREAST	S9BREAST	S10BREAST
.A=Asked prv wave	5650		4551
.D=DK/NA		26	7
.M=Oth missing	112	2	167
.R=RF		1	3
.S=Skip	5866	5315	6740
.U=Unmarried	6417	6206	7799
.V=Spouse NR	317	365	722
0.No	43	2115	815
1.Yes	64	3187	1230

Value	R3MAMMOG	R4MAMMOG	R5MAMMOG	R6MAMMOG	R7MAMMOG
.A=Asked prv wave		9297		10176	
.D=DK/NA	37	3	43	2	76
.M=Oth missing	3	294	8	403	9
.R=RF			1	2	5
.S=Skip	7476	8955	8108	7456	8342
0.No	3684	664	3235	31	3284
1.Yes	6791	2171	8184	95	8413

Value	R8MAMMOG	R9MAMMOG	R10MAMMOG	R11MAMMOG	R12MAMMOG
.A=Asked prv wave	10508		8939		10692
.D=DK/NA		77	9	51	
.M=Oth missing	266	4	349	22	277
.R=RF		2	3	7	
.S=Skip	7585	7018	9210	8529	7695
0.No	29	2935	911	3942	29
1.Yes	81	7181	2613	8003	55

Value	S3MAMMOG	S4MAMMOG	S5MAMMOG	S6MAMMOG	S7MAMMOG
.A=Asked prv wave		5089		5509	
.D=DK/NA	10	3	9		24
.M=Oth missing	1	143	3	189	5
.R=RF			1	2	2
.S=Skip	5955	6989	6364	5821	6479
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.No	1702	377	1419	28	1431
1.Yes	4247	1377	4934	90	5031

Value	S8MAMMOG	S9MAMMOG	S10MAMMOG	S11MAMMOG	S12MAMMOG
.A=Asked prv wave	5650		4551		5327
.D=DK/NA		14	8	18	
.M=Oth missing	112	2	167	15	114
.R=RF		1	3	3	
.S=Skip	5866	5315	6740	6231	5511
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	29	1151	504	1713	27
1.Yes	78	4163	1540	4508	52

Value	R3PAPSM	R4PAPSM	R5PAPSM	R6PAPSM	R7PAPSM
.A=Asked prv wave		9297		10176	
.D=DK/NA	56	7	56	4	130
.M=Oth missing	3	294	8	403	9
.R=RF			1	2	4
.S=Skip	7476	8955	8108	7456	8342
.X=Missing organ	7				
0.No	4282	834	4393	34	4684
1.Yes	6167	1997	7013	90	6960

Value	R8PAPSM	R9PAPSM	R10PAPSM	R11PAPSM	R12PAPSM
.A=Asked prv wave	10508		8939		10692
.D=DK/NA	3	113	11	69	
.M=Oth missing	266	4	349	22	277
.R=RF		2	3	7	
.S=Skip	7585	7018	9210	8529	7695
0.No	30	4949	995	6271	32
1.Yes	77	5131	2527	5656	52

Value	S3PAPSM	S4PAPSM	S5PAPSM	S6PAPSM	S7PAPSM
.A=Asked prv wave		5089		5509	
.D=DK/NA	19	3	13	2	49
.M=Oth missing	1	143	3	189	5
.R=RF			1	2	2
.S=Skip	5955	6989	6364	5821	6479
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=Missing organ	4				
0.No	2002	450	1942	32	2070
1.Yes	3934	1304	4407	84	4367

Value	S8PAPSM	S9PAPSM	S10PAPSM	S11PAPSM	S12PAPSM
.A=Asked prv wave	5650		4551		5327
.D=DK/NA	3	43	9	26	
.M=Oth missing	112	2	167	15	114
.R=RF		1	3	4	
.S=Skip	5866	5315	6740	6231	5511
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	29	2150	505	2869	31
1.Yes	75	3135	1538	3343	48

Value	R3PROST	R4PROST	R5PROST	R6PROST	R7PROST
.A=Asked prv wave		6462		7043	
.D=DK/NA	25	6	38	1	76
.M=Oth missing	3	250	4	311	10
.R=RF	2		1	1	2
.S=Skip	10505	12417	11459	10709	11768
.X=Missing organ	5				
0.No	2401	682	2161	30	2270
1.Yes	5050	1567	5916	70	6003

Value	R8PROST	R9PROST	R10PROST	R11PROST	R12PROST
.A=Asked prv wave	7310		6083		7379
.D=DK/NA		59	34	154	2
.M=Oth missing	174	6	240	12	224
.R=RF		2	2	3	
.S=Skip	10882	10189	12797	11992	11046
0.No	33	1918	1194	3090	37
1.Yes	70	5043	1684	5303	60

Value	S3PROST	S4PROST	S5PROST	S6PROST	S7PROST
.A=Asked prv wave		5087		5527	
.D=DK/NA	14	4	24	1	46
.M=Oth missing	2	159	4	199	10
.R=RF	1			1	2
.S=Skip	5952	6983	6359	5818	6478
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=Missing organ	5				
0.No	1822	509	1583	27	1613
1.Yes	4119	1236	4760	66	4823

Value	S8PROST	S9PROST	S10PROST	S11PROST	S12PROST
.A=Asked prv wave	5663		4555		5298
.D=DK/NA		29	24	100	2
.M=Oth missing	108	5	155	10	126
.R=RF		1	1	2	
.S=Skip	5867	5324	6751	6233	5514
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	31	1371	826	2108	32
1.Yes	66	3916	1201	4035	59

How Constructed

RwCHOLST, RwFLUSHT, RwBREAST, RwMAMMOG, RwPAPSM, and RwPROST indicate whether the Respondent reports preventative health tests and procedures. The tests and procedures are a blood test for cholesterol, a flu shot, monthly self-checks for breast lumps, a mammogram, a pap smear, and a check for prostate cancer, respectively. They are asked beginning in Wave 3.

SwCHOLST, SwFLUSHT, SwBREAST, SwMAMMOG, SwPAPSM, and SwPROST are these measures for the Respondent's spouse or partner.

Every other wave beginning in Wave 4 and 6, these questions are skipped for individuals who responded to a previous wave. The analyst may want to carry prior wave values forward, e.g., Wave 3 values forward to Wave 4; this file does not do this. For re-interviewees who skipped this question in alternate waves, these variables are set to .A, asked in previous wave. In the odd waves, beginning with Wave 5, all individuals are asked these questions.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BREAST is taken from the Wave 3 spouse's R3BREAST.

Cross Wave Differences in Original HRS Data

The preventative behavior questions are asked beginning in Wave 3. They are not asked in Waves 1 and 2.

Every other wave, beginning with Wave 4, these questions are asked only of new Respondents. For re-interviewees, they are skipped. In the odd waves, beginning with Wave 5, all individuals are asked these questions.

Beginning in Wave 7, the interviewer has an additional prompt for the Respondent when asking about flu shots: A FLU SHOT MAY NOW BE GIVEN BY A MIST IN THE NOSE. And the interviewer has additional instructions for coding answers about breast exams: CODE 'YES' IF RESPONDENT DOES A BREAST CHECK MORE THAN ONCE A MONTH.

Only male Respondents are asked the question about checking for prostate cancer. Only female Respondents are asked the questions about breast exams, mammograms, and pap smears.

HRS Variables Used

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AHEAD 1995:
    D919            B19B. PREVENTATIVE BEHAV FLU SHOT
    D920            B19C.  PREVENTATIVE BEHAV CHOLESTEROL
    D925            B19F.  PREVENTATIVE BEHAV BREAST LUMP
    D926            B19G.PREVANTIVE MAMMOGRAM
    D927            B19H.PREVANTATIVE PAP SMEAR
    D929            B19K.PREVENTATIVE BEHAV PROSTATE
HRS 1996:
    E924            B19B. PREVENTATIVE BEHAV FLU SHOT
    E925            B19C.  PREVENTATIVE BEHAV CHOLESTEROL
    E926            B19F.PREVENTATIVE BEHAV BREAST LUMP
    E927            B19G.PREVENTIVE MAMMOGRAM
    E928            B19H.PREVENTATIVE PAP SMEAR
    E929            B19K.PREVENTATIVE BEHAV PROSTATE
HRS 1998:
    F1252           B19B. PREVENTATIVE BEHAV FLU SHOT
    F1253           B19C.  PREVENTATIVE BEHAV CHOLESTEROL
    F1254           B19F.PREVENTATIVE BEHAV BREAST LUMP
    F1255           B19G.PREVENTATIVE MAMMOGRAM
    F1256           B19H.PREVENTATIVE PAP SMEAR
    F1257           B19K.PREVENTATIVE BEHAV PROSTATE
HRS 2000:
    G1385           B19B. PREVENTATIVE BEHAV FLU SHOT
    G1386           B19C.PREVENTATIVE BEHAV CHOLESTEROL
    G1387           B19F.PREVENTATIVE BEHAV BREAST LUMP
    G1388           B19G.PREVENTATIVE MAMMOGRAM
    G1389           B19H.PREVENTATIVE PAP SMEAR
    G1390           B19K.PREVENTATIVE BEHAV PROSTATE
HRS 2002:
    HC109           PREVENTATIVE FLU SHOT SINCE PREV WAVE
    HC110           CHOLESTEROL TEST SINCE PREV WAVE
    HC111           CHECK FOR BREAST LUMPS SINCE PREV WAVE
    HC112           MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
    HC113           PAP SMEAR SINCE PREV WAVE
    HC114           PROSTATE EXAM SINCE PREV WAVE
HRS 2004:
    JC109           PREVENTATIVE FLU SHOT SINCE PREV WAVE
    JC110           CHOLESTEROL TEST SINCE PREV WAVE
    JC111           CHECK FOR BREAST LUMPS SINCE PREV WAVE
    JC112           MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
    JC113           PAP SMEAR SINCE PREV WAVE
    JC114           PROSTATE EXAM SINCE PREV WAVE
HRS 2006:
    KC109           PREVENTATIVE FLU SHOT SINCE PREV WAVE
    KC110           CHOLESTEROL TEST SINCE PREV WAVE
    KC111           CHECK FOR BREAST LUMPS SINCE PREV WAVE
    KC112           MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
    KC113           PAP SMEAR SINCE PREV WAVE
    KC114           PROSTATE EXAM SINCE PREV WAVE
HRS 2008:
    LC109           PREVENTATIVE FLU SHOT SINCE PREV WAVE
    LC110           CHOLESTEROL TEST SINCE PREV WAVE
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    LC111           CHECK FOR BREAST LUMPS SINCE PREV WAVE
    LC112           MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
    LC113           PAP SMEAR SINCE PREV WAVE
    LC114           PROSTATE EXAM SINCE PREV WAVE
HRS 2010:
    MC109           PREVENTATIVE FLU SHOT SINCE PREV WAVE
    MC110           CHOLESTEROL TEST SINCE PREV WAVE
    MC111           CHECK FOR BREAST LUMPS SINCE PREV WAVE
    MC112           MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
    MC113           PAP SMEAR SINCE PREV WAVE
    MC114           PROSTATE EXAM SINCE PREV WAVE
HRS 2012:
    NC109           PREVENTATIVE FLU SHOT SINCE PREV WAVE
    NC110           CHOLESTEROL TEST SINCE PREV WAVE
    NC112           MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
    NC113           PAP SMEAR SINCE PREV WAVE
    NC114           PROSTATE EXAM SINCE PREV WAVE
HRS 2014:
    OC109           PREVENTATIVE FLU SHOT SINCE PREV WAVE
    OC110           CHOLESTEROL TEST SINCE PREV WAVE
    OC112           MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
    OC113           PAP SMEAR SINCE PREV WAVE
    OC114           PROSTATE EXAM SINCE PREV WAVE
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Health behaviors: Smoking (Cigarettes)

Wave	Variable	Label	Type
1	R1SMOKEV	R1SMOKEV:W1 R smoke ever	Categ
2	R2SMOKEV	R2SMOKEV:W2 R smoke ever	Categ
3	R3SMOKEV	R3SMOKEV:W3 R smoke ever	Categ
4	R4SMOKEV	R4SMOKEV:W4 R smoke ever	Categ
5	R5SMOKEV	R5SMOKEV:W5 R smoke ever	Categ
6	R6SMOKEV	R6SMOKEV:W6 R smoke ever	Categ
7	R7SMOKEV	R7SMOKEV:W7 R smoke ever	Categ
8	R8SMOKEV	R8SMOKEV:W8 R smoke ever	Categ
9	R9SMOKEV	R9SMOKEV:W9 R smoke ever	Categ
10	R10SMOKEV	R10SMOKEV:W10 R smoke ever	Categ
11	R11SMOKEV	R11SMOKEV:W11 R smoke ever	Categ
12	R12SMOKEV	R12SMOKEV:W12 R smoke ever	Categ
1	S1SMOKEV	S1SMOKEV:W1 S smoke ever	Categ
2	S2SMOKEV	S2SMOKEV:W2 S smoke ever	Categ
3	S3SMOKEV	S3SMOKEV:W3 S smoke ever	Categ
4	S4SMOKEV	S4SMOKEV:W4 S smoke ever	Categ
5	S5SMOKEV	S5SMOKEV:W5 S smoke ever	Categ
6	S6SMOKEV	S6SMOKEV:W6 S smoke ever	Categ
7	S7SMOKEV	S7SMOKEV:W7 S smoke ever	Categ
8	S8SMOKEV	S8SMOKEV:W8 S smoke ever	Categ
9	S9SMOKEV	S9SMOKEV:W9 S smoke ever	Categ
10	S10SMOKEV	S10SMOKEV:W10 S smoke ever	Categ
11	S11SMOKEV	S11SMOKEV:W11 S smoke ever	Categ
12	S12SMOKEV	S12SMOKEV:W12 S smoke ever	Categ
1	R1SMOKEN	R1SMOKEN:W1 R smokes now	Categ
2	R2SMOKEN	R2SMOKEN:W2 R smokes now	Categ
3	R3SMOKEN	R3SMOKEN:W3 R smokes now	Categ
4	R4SMOKEN	R4SMOKEN:W4 R smokes now	Categ
5	R5SMOKEN	R5SMOKEN:W5 R smokes now	Categ
6	R6SMOKEN	R6SMOKEN:W6 R smokes now	Categ
7	R7SMOKEN	R7SMOKEN:W7 R smokes now	Categ
8	R8SMOKEN	R8SMOKEN:W8 R smokes now	Categ
9	R9SMOKEN	R9SMOKEN:W9 R smokes now	Categ
10	R10SMOKEN	R10SMOKEN:W10 R smokes now	Categ
11	R11SMOKEN	R11SMOKEN:W11 R smokes now	Categ
12	R12SMOKEN	R12SMOKEN:W12 R smokes now	Categ
1	S1SMOKEN	S1SMOKEN:W1 S smokes now	Categ
2	S2SMOKEN	S2SMOKEN:W2 S smokes now	Categ
3	S3SMOKEN	S3SMOKEN:W3 S smokes now	Categ
4	S4SMOKEN	S4SMOKEN:W4 S smokes now	Categ
5	S5SMOKEN	S5SMOKEN:W5 S smokes now	Categ
6	S6SMOKEN	S6SMOKEN:W6 S smokes now	Categ
7	S7SMOKEN	S7SMOKEN:W7 S smokes now	Categ
8	S8SMOKEN	S8SMOKEN:W8 S smokes now	Categ
9	S9SMOKEN	S9SMOKEN:W9 S smokes now	Categ
10	S10SMOKEN	S10SMOKEN:W10 S smokes now	Categ
11	S11SMOKEN	S11SMOKEN:W11 S smokes now	Categ
12	S12SMOKEN	S12SMOKEN:W12 S smokes now	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SMOKEV	12652	0.63	0.48	0.0	1.0
R2SMOKEV	19571	0.59	0.49	0.0	1.0
R3SMOKEV	17731	0.59	0.49	0.0	1.0
R4SMOKEV	21175	0.59	0.49	0.0	1.0
R5SMOKEV	19390	0.59	0.49	0.0	1.0

R6SMOKEV	17986	0.58	0.49	0.0	1.0
R7SMOKEV	19961	0.58	0.49	0.0	1.0
R8SMOKEV	18313	0.57	0.49	0.0	1.0
R9SMOKEV	17072	0.57	0.50	0.0	1.0
R10SMOKEV	21904	0.57	0.50	0.0	1.0
R11SMOKEV	20439	0.56	0.50	0.0	1.0
R12SMOKEV	18643	0.56	0.50	0.0	1.0
S1SMOKEV	9900	0.63	0.48	0.0	1.0
S2SMOKEV	13020	0.61	0.49	0.0	1.0
S3SMOKEV	11680	0.61	0.49	0.0	1.0
S4SMOKEV	13798	0.60	0.49	0.0	1.0
S5SMOKEV	12582	0.60	0.49	0.0	1.0
S6SMOKEV	11501	0.59	0.49	0.0	1.0
S7SMOKEV	12849	0.58	0.49	0.0	1.0
S8SMOKEV	11620	0.58	0.49	0.0	1.0
S9SMOKEV	10544	0.57	0.49	0.0	1.0
S10SMOKEV	13424	0.56	0.50	0.0	1.0
S11SMOKEV	12416	0.55	0.50	0.0	1.0
S12SMOKEV	10972	0.55	0.50	0.0	1.0
R1SMOKEN	12652	0.27	0.44	0.0	1.0
R2SMOKEN	19635	0.19	0.39	0.0	1.0
R3SMOKEN	17640	0.17	0.37	0.0	1.0
R4SMOKEN	21381	0.17	0.37	0.0	1.0
R5SMOKEN	19577	0.15	0.36	0.0	1.0
R6SMOKEN	18164	0.14	0.35	0.0	1.0
R7SMOKEN	19952	0.15	0.36	0.0	1.0
R8SMOKEN	18309	0.14	0.35	0.0	1.0
R9SMOKEN	17070	0.13	0.34	0.0	1.0
R10SMOKEN	21901	0.16	0.36	0.0	1.0
R11SMOKEN	20436	0.15	0.35	0.0	1.0
R12SMOKEN	18639	0.13	0.34	0.0	1.0
S1SMOKEN	9900	0.25	0.43	0.0	1.0
S2SMOKEN	13085	0.18	0.39	0.0	1.0
S3SMOKEN	11664	0.17	0.37	0.0	1.0
S4SMOKEN	13978	0.16	0.36	0.0	1.0
S5SMOKEN	12729	0.14	0.35	0.0	1.0
S6SMOKEN	11638	0.13	0.34	0.0	1.0
S7SMOKEN	12846	0.14	0.35	0.0	1.0
S8SMOKEN	11618	0.13	0.33	0.0	1.0
S9SMOKEN	10543	0.11	0.32	0.0	1.0
S10SMOKEN	13421	0.14	0.35	0.0	1.0
S11SMOKEN	12415	0.13	0.33	0.0	1.0
S12SMOKEN	10971	0.11	0.32	0.0	1.0

Categorical Variable Codes

Value	R1SMOKEV	R2SMOKEV	R3SMOKEV	R4SMOKEV	R5SMOKEV	R6SMOKEV	R7SMOKEV
.M=Oth missing	71	260	209	189	178	168	
.R=RF					1		
0.No	4626	8054	7313	8681	8008	7497	8479
1.Yes	8026	11517	10418	12494	11382	10489	11482

Value	R8SMOKEV	R9SMOKEV	R10SMOKEV	R11SMOKEV	R12SMOKEV
.D=DK/NA			2		
.M=Oth missing	156	145	128	115	105
0.No	7851	7366	9522	8972	8251
1.Yes	10462	9706	12382	11467	10392

Value	S1SMOKEV	S2SMOKEV	S3SMOKEV	S4SMOKEV	S5SMOKEV	S6SMOKEV	S7SMOKEV
.M=Oth missing	68	235	180	148	137	123	
.R=RF					1		
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	3688	5023	4532	5456	5021	4676	5393
1.Yes	6212	7997	7148	8342	7561	6825	7456

Value	S8SMOKEV	S9SMOKEV	S10SMOKEV	S11SMOKEV	S12SMOKEV
.D=DK/NA			2		
.M=Oth missing	115	102	87	72	59
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	4909	4513	5919	5539	4905
1.Yes	6711	6031	7505	6877	6067

Value	R1SMOKEN	R2SMOKEN	R3SMOKEN	R4SMOKEN	R5SMOKEN	R6SMOKEN	R7SMOKEN
.D=DK/NA	5			2	1		1
.M=Oth missing			350			1	175
.R=RF	2		1	1	1		1
0.No	9214	15990	14670	17818	16607	15632	16940
1.Yes	3438	3645	2970	3563	2970	2532	3012

Value	R8SMOKEN	R9SMOKEN	R10SMOKEN	R11SMOKEN	R12SMOKEN
.D=DK/NA	2	1	1	2	3
.M=Oth missing	158	146	132	116	105
.R=RF					1
0.No	15778	14836	18478	17464	16178
1.Yes	2531	2234	3423	2972	2461

Value	S1SMOKEN	S2SMOKEN	S3SMOKEN	S4SMOKEN	S5SMOKEN	S6SMOKEN	S7SMOKEN
.D=DK/NA		1					1
.M=Oth missing			250			1	125
.R=RF		2	1		1		
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	7429	10667	9729	11789	10919	10095	11070
1.Yes	2471	2418	1935	2189	1810	1543	1776

Value	S8SMOKEN	S9SMOKEN	S10SMOKEN	S11SMOKEN	S12SMOKEN
.D=DK/NA			1	1	1
.M=Oth missing	117	103	91	72	59
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10130	9332	11560	10840	9724
1.Yes	1488	1211	1861	1575	1247

How Constructed

RwSMOKEV indicates whether the Respondent ever smoked cigarettes. RwSMOKEN indicates whether the Respondent smokes now. SwSMOKEV and SwSMOKEN are this information for the Respondent's spouse or partner.

These variables are recoded for missings into yes/no indicators. Since the ever-smoked question is usually only asked at the Respondent's first interview, the answer is carried forward for RwSMOKEV in subsequent waves. If at any wave a Respondent says he/she currently smokes cigarettes, i.e., RwSMOKEN is yes, RwSMOKEV is set to yes in that and all subsequent waves.

Until Wave 7, Respondents were asked if they smoke now regardless of whether they'd ever smoked. Beginning in Wave 7, both the ever and now smoking questions are usually skipped if the Respondent had previously stated that s/he had never smoked. If the questions were skipped for this reason, RwSMOKEV and RwSMOKEN are set to "0. No". We verified this assumption by observing that Respondents who had never smoked in an earlier wave rarely respond "yes" to smoking cigarettes in a subsequent wave.

The spouse variables are taken from the Wave 'w' spouse's self-reported information, e.g., S3SMOKEN is taken from the Wave 3 spouse's R3SMOKEN.

Cross Wave Differences in Original HRS Data

In Wave 1 all Respondents are asked: "Have you ever smoked cigarettes?"

This question is not asked in Waves 2H and 3. Beginning in Wave 4, it is asked of new interviewees.

In Wave 2A question asks: "How would you describe yourself; as a current smoker, as a former smoker, or as someone who has never smoked?"

In all waves, except Wave 2A, a question asks: "Do you smoke cigarettes now?"

The answers to these questions are "yes" and "no." In some waves, cigars or pipes are given as coded answers.

In Waves 2H and 3A, this question is asked of everyone. In Wave 3H, this question is usually skipped if the Respondent said

"no" to having ever smoked in a previous wave. In Waves 4 to 6, the question is usually skipped if a new interviewee said no to the ever smoked question. It is asked of all new interviewees who ever smoked and all re-interviewees.

Beginning in Wave 7, both the ever and now smoking questions are usually skipped if the Respondent had previously stated that s/he had never smoked.

HRS Variables Used

```
HRS 1992:
    V501            B35:EVER SMOKED     :IMP
    V502            B35A:CURRENTLY SMOKE:IMP
AHEAD 1993:
    B298            B19. SMOKER (CURRENT/FORMER/NEVER)
HRS 1994:
    W452            B40.SMOKE CIGARETTES
AHEAD 1995:
    D942            B20. SMOKE CIG
HRS 1996:
    E107            PREV WAVE EVER SMOKED
    E942            B20. SMOKE CIG
HRS 1998:
    F1266           B20-1. EVER SMOKE
    F1267           B20. SMOKE CIG
HRS 2000:
    G1399           B20-1. EVER SMOKE
    G1400           B20.SMOKE CIGARETTES NOW
HRS 2002:
    HC116           EVER SMOKE
    HC117           SMOKE CIGARETTES NOW
HRS 2004:
    JC116           EVER SMOKE
    JC117           SMOKE CIGARETTES NOW
HRS 2006:
    KC116           EVER SMOKE
    KC117           SMOKE CIGARETTES NOW
HRS 2008:
    LC116           EVER SMOKE
    LC117           SMOKE CIGARETTES NOW
HRS 2010:
    MC116           EVER SMOKE
    MC117           SMOKE CIGARETTES NOW
HRS 2012:
    NC116           EVER SMOKE
    NC117           SMOKE CIGARETTES NOW
HRS 2014:
    OC116           EVER SMOKE
    OC117           SMOKE CIGARETTES NOW
```

Change in Health: Self-reported health

Wave	Variable	Label	Type
2	R2SHLTC	R2SHLTC:W2 Change in self-reported hlth	Cont
3	R3SHLTC	R3SHLTC:W3 Change in self-reported hlth	Cont
4	R4SHLTC	R4SHLTC:W4 Change in self-reported hlth	Cont
5	R5SHLTC	R5SHLTC:W5 Change in self-reported hlth	Cont
6	R6SHLTC	R6SHLTC:W6 Change in self-reported hlth	Cont
7	R7SHLTC	R7SHLTC:W7 Change in self-reported hlth	Cont
8	R8SHLTC	R8SHLTC:W8 Change in self-reported hlth	Cont
9	R9SHLTC	R9SHLTC:W9 Change in self-reported hlth	Cont
10	R10SHLTC	R10SHLTC:W10 Change in self-reported hlth	Cont
11	R11SHLTC	R11SHLTC:W11 Change in self-reported hlth	Cont
12	R12SHLTC	R12SHLTC:W12 Change in self-reported hlth	Cont
2	S2SHLTC	S2SHLTC:W2 Change in self-reported hlth	Cont
3	S3SHLTC	S3SHLTC:W3 Change in self-reported hlth	Cont
4	S4SHLTC	S4SHLTC:W4 Change in self-reported hlth	Cont
5	S5SHLTC	S5SHLTC:W5 Change in self-reported hlth	Cont
6	S6SHLTC	S6SHLTC:W6 Change in self-reported hlth	Cont
7	S7SHLTC	S7SHLTC:W7 Change in self-reported hlth	Cont
8	S8SHLTC	S8SHLTC:W8 Change in self-reported hlth	Cont
9	S9SHLTC	S9SHLTC:W9 Change in self-reported hlth	Cont
10	S10SHLTC	S10SHLTC:W10 Change in self-reported hlth	Cont
11	S11SHLTC	S11SHLTC:W11 Change in self-reported hlth	Cont
12	S12SHLTC	S12SHLTC:W12 Change in self-reported hlth	Cont
2	R2SHLTCF	R2SHLTCF:W2 Flag chg self-reported hlth	Categ
3	R3SHLTCF	R3SHLTCF:W3 Flag chg self-reported hlth	Categ
4	R4SHLTCF	R4SHLTCF:W4 Flag chg self-reported hlth	Categ
5	R5SHLTCF	R5SHLTCF:W5 Flag chg self-reported hlth	Categ
6	R6SHLTCF	R6SHLTCF:W6 Flag chg self-reported hlth	Categ
7	R7SHLTCF	R7SHLTCF:W7 Flag chg self-reported hlth	Categ
8	R8SHLTCF	R8SHLTCF:W8 Flag chg self-reported hlth	Categ
9	R9SHLTCF	R9SHLTCF:W9 Flag chg self-reported hlth	Categ
10	R10SHLTCF	R10SHLTCF:W10 Flag chg self-reported hlth	Categ
11	R11SHLTCF	R11SHLTCF:W11 Flag chg self-reported hlth	Categ
12	R12SHLTCF	R12SHLTCF:W12 Flag chg self-reported hlth	Categ
2	S2SHLTCF	S2SHLTCF:W2 Flag chg self-reported hlth	Categ
3	S3SHLTCF	S3SHLTCF:W3 Flag chg self-reported hlth	Categ
4	S4SHLTCF	S4SHLTCF:W4 Flag chg self-reported hlth	Categ
5	S5SHLTCF	S5SHLTCF:W5 Flag chg self-reported hlth	Categ
6	S6SHLTCF	S6SHLTCF:W6 Flag chg self-reported hlth	Categ
7	S7SHLTCF	S7SHLTCF:W7 Flag chg self-reported hlth	Categ
8	S8SHLTCF	S8SHLTCF:W8 Flag chg self-reported hlth	Categ
9	S9SHLTCF	S9SHLTCF:W9 Flag chg self-reported hlth	Categ
10	S10SHLTCF	S10SHLTCF:W10 Flag chg self-reported hlth	Categ
11	S11SHLTCF	S11SHLTCF:W11 Flag chg self-reported hlth	Categ
12	S12SHLTCF	S12SHLTCF:W12 Flag chg self-reported hlth	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SHLTC	11419	0.10	0.92	-4.0	4.0
R3SHLTC	17706	0.04	0.95	-4.0	4.0
R4SHLTC	16281	0.27	0.96	-4.0	4.0
R5SHLTC	19303	-0.02	0.94	-4.0	4.0
R6SHLTC	17919	0.11	0.93	-4.0	4.0
R7SHLTC	16632	0.11	0.91	-4.0	4.0
R8SHLTC	18225	0.06	0.89	-4.0	4.0
R9SHLTC	17041	0.12	0.89	-4.0	4.0

R10SHLTC	15578	0.03	0.90	-4.0	4.0
R11SHLTC	20194	0.04	0.88	-4.0	4.0
R12SHLTC	18536	0.11	0.86	-4.0	4.0
S2SHLTC	8738	0.10	0.91	-4.0	4.0
S3SHLTC	11667	0.05	0.93	-4.0	4.0
S4SHLTC	10466	0.27	0.91	-4.0	4.0
S5SHLTC	12476	-0.02	0.92	-4.0	4.0
S6SHLTC	11423	0.10	0.89	-4.0	4.0
S7SHLTC	10477	0.12	0.87	-4.0	4.0
S8SHLTC	11518	0.05	0.87	-4.0	4.0
S9SHLTC	10491	0.13	0.86	-4.0	4.0
S10SHLTC	9412	0.03	0.87	-4.0	4.0
S11SHLTC	12162	0.04	0.86	-4.0	4.0
S12SHLTC	10848	0.12	0.84	-4.0	4.0
R2SHLTCF	11419	0.00	0.00	0.0	0.0
R3SHLTCF	17706	0.02	0.14	0.0	1.0
R4SHLTCF	16281	0.04	0.23	0.0	2.0
R5SHLTCF	19303	0.03	0.24	0.0	3.0
R6SHLTCF	17919	0.06	0.34	0.0	4.0
R7SHLTCF	16632	0.05	0.33	0.0	5.0
R8SHLTCF	18225	0.04	0.30	0.0	6.0
R9SHLTCF	17041	0.05	0.35	0.0	7.0
R10SHLTCF	15578	0.07	0.44	0.0	8.0
R11SHLTCF	20194	0.04	0.33	0.0	9.0
R12SHLTCF	18536	0.04	0.29	0.0	8.0
S2SHLTCF	8738	0.00	0.00	0.0	0.0
S3SHLTCF	11667	0.02	0.14	0.0	1.0
S4SHLTCF	10466	0.03	0.22	0.0	2.0
S5SHLTCF	12476	0.03	0.21	0.0	3.0
S6SHLTCF	11423	0.05	0.30	0.0	4.0
S7SHLTCF	10477	0.04	0.32	0.0	5.0
S8SHLTCF	11518	0.03	0.27	0.0	6.0
S9SHLTCF	10491	0.04	0.28	0.0	7.0
S10SHLTCF	9412	0.06	0.41	0.0	8.0
S11SHLTCF	12162	0.03	0.29	0.0	9.0
S12SHLTCF	10848	0.03	0.23	0.0	6.0

Categorical Variable Codes

Value	R2SHLTCF	R3SHLTCF	R4SHLTCF	R5SHLTCF	R6SHLTCF	R7SHLTCF
.M=Oth missing	8223	285	5103	276	246	3497
0.Used IW-1	11419	17340	15749	18848	17210	16181
1.Used IW-2		366	413	298	482	274
2.Used IW-3			119	114	119	87
3.Used IW-4				43	71	47
4.Used IW-5					37	27
5.Used IW-6						16

Value	R8SHLTCF	R9SHLTCF	R10SHLTCF	R11SHLTCF	R12SHLTCF
.M=Oth missing	244	176	6456	360	212
0.Used IW-1	17787	16461	15015	19754	18045
1.Used IW-2	255	404	292	258	364
2.Used IW-3	114	91	138	89	72
3.Used IW-4	39	53	60	56	25
4.Used IW-5	17	16	39	17	17
5.Used IW-6	9	5	18	7	4
6.Used IW-7	4	6	11	3	5
7.Used IW-8		5	2	4	3
8.Used IW-9			3	4	1
9.Used IW-10				2	

Value	S2SHLTCF	S3SHLTCF	S4SHLTCF	S5SHLTCF	S6SHLTCF	S7SHLTCF
.M=Oth missing	4350	248	3512	254	216	2495
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.Used IW-1	8738	11426	10170	12232	11038	10252
1.Used IW-2		241	229	164	277	131
2.Used IW-3			67	62	55	43
3.Used IW-4				18	38	22
4.Used IW-5					15	16
5.Used IW-6						13

Value	S8SHLTCF	S9SHLTCF	S10SHLTCF	S11SHLTCF	S12SHLTCF
.M=Oth missing	217	155	4101	326	183
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Used IW-1	11300	10219	9111	11925	10615
1.Used IW-2	121	200	154	145	176
2.Used IW-3	64	41	79	44	35
3.Used IW-4	21	17	32	33	12
4.Used IW-5	8	8	23	11	9
5.Used IW-6		5	6	2	
6.Used IW-7	4		5		1
7.Used IW-8		1			
8.Used IW-9			2		
9.Used IW-10				2	

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables, see the section titled "Health Change" earlier in this document.

RwSHLTC is the change in self-reported health status from the previous to the current interview. RwSHLTCF indicates how far back the previous interview is. SwSHLTC and SwSHLTCF are this information for the Respondent's spouse or partner.

The derivation of RwSHLTC is:

RwSHLTC = RwSHLT - RpSHLT

Where "w" means current wave and "p" means the previous interview. For example, if an individual responded to Waves 2 and 3, R3SHLTC = R3SHLT - R2SHLT. Since a lower number means better health in the RwSHLT variables, a positive value for RwSHLTC indicates a decline in self-rated health.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwSHLTCF indicates if there are any missed interviews prior to the current, and if so, how many. In other words, it indicates how far back the previous interview is, from which the change is measured. Its codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews; change = current - [current-4]; 4) missed the four previous interviews; change = current - [current-5]; 5) missed the five previous interviews; change = current - [current-6]; 9) either the current or previous interview measure is missing, so change is missing.

Please see also the self-reported change in health variable RwHLTC described earlier in this section, and the description of the self-reported health variable RwSHLT. Note that RwHLTC asks the Respondent to assess retrospectively how his/her health has changed since the last interview, while RwSHLTC compares measures of self-reported current health from the two time points.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3SHLTC is taken from the Wave 3 spouse's R3SHLTC.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Change in Health: Functional Limitations

Wave	Variable	Label	Type
3	R3ADLC	R3ADLC:W3 Change-ADLs /0-5	Cont
4	R4ADLC	R4ADLC:W4 Change-ADLs /0-5	Cont
5	R5ADLC	R5ADLC:W5 Change-ADLs /0-5	Cont
6	R6ADLC	R6ADLC:W6 Change-ADLs /0-5	Cont
7	R7ADLC	R7ADLC:W7 Change-ADLs /0-5	Cont
8	R8ADLC	R8ADLC:W8 Change-ADLs /0-5	Cont
9	R9ADLC	R9ADLC:W9 Change-ADLs /0-5	Cont
10	R10ADLC	R10ADLC:W10 Change-ADLs /0-5	Cont
11	R11ADLC	R11ADLC:W11 Change-ADLs /0-5	Cont
12	R12ADLC	R12ADLC:W12 Change-ADLs /0-5	Cont
3	S3ADLC	S3ADLC:W3 Change-ADLs /0-5	Cont
4	S4ADLC	S4ADLC:W4 Change-ADLs /0-5	Cont
5	S5ADLC	S5ADLC:W5 Change-ADLs /0-5	Cont
6	S6ADLC	S6ADLC:W6 Change-ADLs /0-5	Cont
7	S7ADLC	S7ADLC:W7 Change-ADLs /0-5	Cont
8	S8ADLC	S8ADLC:W8 Change-ADLs /0-5	Cont
9	S9ADLC	S9ADLC:W9 Change-ADLs /0-5	Cont
10	S10ADLC	S10ADLC:W10 Change-ADLs /0-5	Cont
11	S11ADLC	S11ADLC:W11 Change-ADLs /0-5	Cont
12	S12ADLC	S12ADLC:W12 Change-ADLs /0-5	Cont
3	R3ADLF	R3ADLF:W3 Chg Flag-ADLs /0-5	Categ
4	R4ADLF	R4ADLF:W4 Chg Flag-ADLs /0-5	Categ
5	R5ADLF	R5ADLF:W5 Chg Flag-ADLs /0-5	Categ
6	R6ADLF	R6ADLF:W6 Chg Flag-ADLs /0-5	Categ
7	R7ADLF	R7ADLF:W7 Chg Flag-ADLs /0-5	Categ
8	R8ADLF	R8ADLF:W8 Chg Flag-ADLs /0-5	Categ
9	R9ADLF	R9ADLF:W9 Chg Flag-ADLs /0-5	Categ
10	R10ADLF	R10ADLF:W10 Chg Flag-ADLs /0-5	Categ
11	R11ADLF	R11ADLF:W11 Chg Flag-ADLs /0-5	Categ
12	R12ADLF	R12ADLF:W12 Chg Flag-ADLs /0-5	Categ
3	S3ADLF	S3ADLF:W3 Chg Flag-ADLs /0-5	Categ
4	S4ADLF	S4ADLF:W4 Chg Flag-ADLs /0-5	Categ
5	S5ADLF	S5ADLF:W5 Chg Flag-ADLs /0-5	Categ
6	S6ADLF	S6ADLF:W6 Chg Flag-ADLs /0-5	Categ
7	S7ADLF	S7ADLF:W7 Chg Flag-ADLs /0-5	Categ
8	S8ADLF	S8ADLF:W8 Chg Flag-ADLs /0-5	Categ
9	S9ADLF	S9ADLF:W9 Chg Flag-ADLs /0-5	Categ
10	S10ADLF	S10ADLF:W10 Chg Flag-ADLs /0-5	Categ
11	S11ADLF	S11ADLF:W11 Chg Flag-ADLs /0-5	Categ
12	S12ADLF	S12ADLF:W12 Chg Flag-ADLs /0-5	Categ
3	R3GROSSC	R3GROSSC:W3 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
4	R4GROSSC	R4GROSSC:W4 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
5	R5GROSSC	R5GROSSC:W5 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
6	R6GROSSC	R6GROSSC:W6 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
7	R7GROSSC	R7GROSSC:W7 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
8	R8GROSSC	R8GROSSC:W8 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
9	R9GROSSC	R9GROSSC:W9 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
10	R10GROSSC	R10GROSSC:W10 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
11	R11GROSSC	R11GROSSC:W11 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
12	R12GROSSC	R12GROSSC:W12 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
3	S3GROSSC	S3GROSSC:W3 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
4	S4GROSSC	S4GROSSC:W4 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
5	S5GROSSC	S5GROSSC:W5 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
6	S6GROSSC	S6GROSSC:W6 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
7	S7GROSSC	S7GROSSC:W7 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
8	S8GROSSC	S8GROSSC:W8 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
9	S9GROSSC	S9GROSSC:W9 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
10	S10GROSSC	S10GROSSC:W10 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
11	S11GROSSC	S11GROSSC:W11 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
12	S12GROSSC	S12GROSSC:W12 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont

3	R3GROSSF	R3GROSSF:W3 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
4	R4GROSSF	R4GROSSF:W4 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
5	R5GROSSF	R5GROSSF:W5 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
6	R6GROSSF	R6GROSSF:W6 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
7	R7GROSSF	R7GROSSF:W7 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
8	R8GROSSF	R8GROSSF:W8 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
9	R9GROSSF	R9GROSSF:W9 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
10	R10GROSSF	R10GROSSF:W10 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
11	R11GROSSF	R11GROSSF:W11 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
12	R12GROSSF	R12GROSSF:W12 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
3	S3GROSSF	S3GROSSF:W3 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
4	S4GROSSF	S4GROSSF:W4 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
5	S5GROSSF	S5GROSSF:W5 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
6	S6GROSSF	S6GROSSF:W6 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
7	S7GROSSF	S7GROSSF:W7 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
8	S8GROSSF	S8GROSSF:W8 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
9	S9GROSSF	S9GROSSF:W9 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
10	S10GROSSF	S10GROSSF:W10 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
11	S11GROSSF	S11GROSSF:W11 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
12	S12GROSSF	S12GROSSF:W12 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
3	R3FINEC	R3FINEC:W3 Chg:Dime,Eat,Dress /0-3	Cont
4	R4FINEC	R4FINEC:W4 Chg:Dime,Eat,Dress /0-3	Cont
5	R5FINEC	R5FINEC:W5 Chg:Dime,Eat,Dress /0-3	Cont
6	R6FINEC	R6FINEC:W6 Chg:Dime,Eat,Dress /0-3	Cont
7	R7FINEC	R7FINEC:W7 Chg:Dime,Eat,Dress /0-3	Cont
8	R8FINEC	R8FINEC:W8 Chg:Dime,Eat,Dress /0-3	Cont
9	R9FINEC	R9FINEC:W9 Chg:Dime,Eat,Dress /0-3	Cont
10	R10FINEC	R10FINEC:W10 Chg:Dime,Eat,Dress /0-3	Cont
11	R11FINEC	R11FINEC:W11 Chg:Dime,Eat,Dress /0-3	Cont
12	R12FINEC	R12FINEC:W12 Chg:Dime,Eat,Dress /0-3	Cont
3	S3FINEC	S3FINEC:W3 Chg:Dime,Eat,Dress /0-3	Cont
4	S4FINEC	S4FINEC:W4 Chg:Dime,Eat,Dress /0-3	Cont
5	S5FINEC	S5FINEC:W5 Chg:Dime,Eat,Dress /0-3	Cont
6	S6FINEC	S6FINEC:W6 Chg:Dime,Eat,Dress /0-3	Cont
7	S7FINEC	S7FINEC:W7 Chg:Dime,Eat,Dress /0-3	Cont
8	S8FINEC	S8FINEC:W8 Chg:Dime,Eat,Dress /0-3	Cont
9	S9FINEC	S9FINEC:W9 Chg:Dime,Eat,Dress /0-3	Cont
10	S10FINEC	S10FINEC:W10 Chg:Dime,Eat,Dress /0-3	Cont
11	S11FINEC	S11FINEC:W11 Chg:Dime,Eat,Dress /0-3	Cont
12	S12FINEC	S12FINEC:W12 Chg:Dime,Eat,Dress /0-3	Cont
3	R3FINEF	R3FINEF:W3 ChgF:Dime,Eat,Dress /0-3	Categ
4	R4FINEF	R4FINEF:W4 ChgF:Dime,Eat,Dress /0-3	Categ
5	R5FINEF	R5FINEF:W5 ChgF:Dime,Eat,Dress /0-3	Categ
6	R6FINEF	R6FINEF:W6 ChgF:Dime,Eat,Dress /0-3	Categ
7	R7FINEF	R7FINEF:W7 ChgF:Dime,Eat,Dress /0-3	Categ
8	R8FINEF	R8FINEF:W8 ChgF:Dime,Eat,Dress /0-3	Categ
9	R9FINEF	R9FINEF:W9 ChgF:Dime,Eat,Dress /0-3	Categ
10	R10FINEF	R10FINEF:W10 ChgF:Dime,Eat,Dress /0-3	Categ
11	R11FINEF	R11FINEF:W11 ChgF:Dime,Eat,Dress /0-3	Categ
12	R12FINEF	R12FINEF:W12 ChgF:Dime,Eat,Dress /0-3	Categ
3	S3FINEF	S3FINEF:W3 ChgF:Dime,Eat,Dress /0-3	Categ
4	S4FINEF	S4FINEF:W4 ChgF:Dime,Eat,Dress /0-3	Categ
5	S5FINEF	S5FINEF:W5 ChgF:Dime,Eat,Dress /0-3	Categ
6	S6FINEF	S6FINEF:W6 ChgF:Dime,Eat,Dress /0-3	Categ
7	S7FINEF	S7FINEF:W7 ChgF:Dime,Eat,Dress /0-3	Categ
8	S8FINEF	S8FINEF:W8 ChgF:Dime,Eat,Dress /0-3	Categ
9	S9FINEF	S9FINEF:W9 ChgF:Dime,Eat,Dress /0-3	Categ
10	S10FINEF	S10FINEF:W10 ChgF:Dime,Eat,Dress /0-3	Categ
11	S11FINEF	S11FINEF:W11 ChgF:Dime,Eat,Dress /0-3	Categ
12	S12FINEF	S12FINEF:W12 ChgF:Dime,Eat,Dress /0-3	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3ADLC	17682	0.17	0.83	-5.0	5.0
R4ADLC	16264	0.12	0.82	-5.0	5.0
R5ADLC	19271	0.08	0.78	-5.0	5.0
R6ADLC	17916	0.09	0.80	-5.0	5.0
R7ADLC	16643	0.10	0.80	-5.0	5.0
R8ADLC	18247	0.11	0.79	-5.0	5.0
R9ADLC	17058	0.10	0.82	-5.0	5.0
R10ADLC	15582	0.15	0.85	-5.0	5.0
R11ADLC	20098	0.07	0.80	-5.0	5.0
R12ADLC	18532	0.11	0.80	-5.0	5.0
S3ADLC	11661	0.12	0.70	-5.0	5.0
S4ADLC	10464	0.07	0.68	-5.0	5.0
S5ADLC	12472	0.05	0.65	-5.0	5.0
S6ADLC	11418	0.05	0.67	-5.0	5.0
S7ADLC	10484	0.06	0.68	-5.0	5.0
S8ADLC	11532	0.08	0.66	-5.0	5.0
S9ADLC	10504	0.05	0.67	-5.0	5.0
S10ADLC	9414	0.10	0.73	-4.0	5.0
S11ADLC	12097	0.04	0.68	-5.0	5.0
S12ADLC	10855	0.08	0.70	-5.0	5.0
R3ADLF	17682	0.02	0.14	0.0	1.0
R4ADLF	16264	0.04	0.23	0.0	2.0
R5ADLF	19271	0.03	0.24	0.0	3.0
R6ADLF	17916	0.06	0.34	0.0	4.0
R7ADLF	16643	0.05	0.33	0.0	5.0
R8ADLF	18247	0.04	0.30	0.0	6.0
R9ADLF	17058	0.05	0.34	0.0	7.0
R10ADLF	15582	0.07	0.44	0.0	8.0
R11ADLF	20098	0.04	0.33	0.0	9.0
R12ADLF	18532	0.04	0.29	0.0	8.0
S3ADLF	11661	0.02	0.14	0.0	1.0
S4ADLF	10464	0.03	0.22	0.0	2.0
S5ADLF	12472	0.03	0.21	0.0	3.0
S6ADLF	11418	0.05	0.30	0.0	4.0
S7ADLF	10484	0.04	0.32	0.0	5.0
S8ADLF	11532	0.03	0.27	0.0	6.0
S9ADLF	10504	0.04	0.27	0.0	7.0
S10ADLF	9414	0.06	0.41	0.0	8.0
S11ADLF	12097	0.03	0.29	0.0	9.0
S12ADLF	10855	0.03	0.23	0.0	6.0
R3GROSSC	10744	0.07	0.74	-5.0	5.0
R4GROSSC	16115	0.14	0.90	-5.0	5.0
R5GROSSC	19240	0.12	0.90	-5.0	5.0
R6GROSSC	17902	0.13	0.93	-5.0	5.0
R7GROSSC	16639	0.12	0.92	-5.0	5.0
R8GROSSC	18247	0.14	0.91	-5.0	5.0
R9GROSSC	17058	0.12	0.92	-5.0	5.0
R10GROSSC	15583	0.18	0.94	-5.0	5.0
R11GROSSC	20099	0.10	0.91	-5.0	5.0
R12GROSSC	18535	0.12	0.91	-5.0	5.0
S3GROSSC	8124	0.06	0.69	-5.0	5.0

S4GROSSC	10412	0.09	0.77	-5.0	5.0
S5GROSSC	12461	0.09	0.78	-5.0	5.0
S6GROSSC	11412	0.09	0.81	-5.0	5.0
S7GROSSC	10483	0.08	0.81	-5.0	5.0
S8GROSSC	11532	0.10	0.80	-5.0	5.0
S9GROSSC	10505	0.07	0.79	-5.0	5.0
S10GROSSC	9415	0.12	0.82	-4.0	5.0
S11GROSSC	12099	0.08	0.79	-5.0	5.0
S12GROSSC	10856	0.10	0.82	-5.0	5.0
R3GROSSF	10744	0.03	0.18	0.0	1.0
R4GROSSF	16115	0.03	0.21	0.0	2.0
R5GROSSF	19240	0.03	0.22	0.0	3.0
R6GROSSF	17902	0.06	0.33	0.0	4.0
R7GROSSF	16639	0.05	0.33	0.0	5.0
R8GROSSF	18247	0.04	0.30	0.0	6.0
R9GROSSF	17058	0.05	0.33	0.0	7.0
R10GROSSF	15583	0.07	0.44	0.0	8.0
R11GROSSF	20099	0.04	0.33	0.0	9.0
R12GROSSF	18535	0.04	0.29	0.0	8.0
S3GROSSF	8124	0.03	0.17	0.0	1.0
S4GROSSF	10412	0.03	0.20	0.0	2.0
S5GROSSF	12461	0.03	0.20	0.0	3.0
S6GROSSF	11412	0.05	0.30	0.0	4.0
S7GROSSF	10483	0.04	0.32	0.0	5.0
S8GROSSF	11532	0.03	0.27	0.0	6.0
S9GROSSF	10505	0.04	0.27	0.0	7.0
S10GROSSF	9415	0.06	0.41	0.0	8.0
S11GROSSF	12099	0.03	0.29	0.0	9.0
S12GROSSF	10856	0.03	0.23	0.0	6.0
R3FINEC	17683	0.11	0.51	-3.0	3.0
R4FINEC	16265	0.06	0.53	-3.0	3.0
R5FINEC	19271	0.04	0.50	-3.0	3.0
R6FINEC	17915	0.04	0.51	-3.0	3.0
R7FINEC	16642	0.05	0.52	-3.0	3.0
R8FINEC	18248	0.06	0.51	-3.0	3.0
R9FINEC	17059	0.05	0.53	-3.0	3.0
R10FINEC	15582	0.08	0.55	-3.0	3.0
R11FINEC	20099	0.03	0.52	-3.0	3.0
R12FINEC	18531	0.06	0.52	-3.0	3.0
S3FINEC	11662	0.09	0.45	-3.0	3.0
S4FINEC	10465	0.04	0.46	-3.0	3.0
S5FINEC	12472	0.03	0.44	-3.0	3.0
S6FINEC	11418	0.02	0.44	-3.0	3.0
S7FINEC	10484	0.04	0.46	-3.0	3.0
S8FINEC	11532	0.04	0.45	-3.0	3.0
S9FINEC	10504	0.03	0.46	-3.0	3.0
S10FINEC	9414	0.06	0.47	-3.0	3.0
S11FINEC	12097	0.02	0.45	-3.0	3.0
S12FINEC	10855	0.05	0.46	-3.0	3.0
R3FINEF	17683	0.02	0.14	0.0	1.0
R4FINEF	16265	0.04	0.23	0.0	2.0
R5FINEF	19271	0.03	0.24	0.0	3.0
R6FINEF	17915	0.06	0.34	0.0	4.0
R7FINEF	16642	0.05	0.33	0.0	5.0

R8FINEF	18248	0.04	0.30	0.0	6.0
R9FINEF	17059	0.05	0.34	0.0	7.0
R10FINEF	15582	0.07	0.44	0.0	8.0
R11FINEF	20099	0.04	0.33	0.0	9.0
R12FINEF	18531	0.04	0.29	0.0	8.0
S3FINEF	11662	0.02	0.14	0.0	1.0
S4FINEF	10465	0.03	0.22	0.0	2.0
S5FINEF	12472	0.03	0.21	0.0	3.0
S6FINEF	11418	0.05	0.30	0.0	4.0
S7FINEF	10484	0.04	0.32	0.0	5.0
S8FINEF	11532	0.03	0.27	0.0	6.0
S9FINEF	10504	0.04	0.27	0.0	7.0
S10FINEF	9414	0.06	0.41	0.0	8.0
S11FINEF	12097	0.03	0.29	0.0	9.0
S12FINEF	10855	0.03	0.23	0.0	6.0

Categorical Variable Codes

Value	R3ADLF	R4ADLF	R5ADLF	R6ADLF	R7ADLF
.M=Oth missing	309	5120	308	249	3486
0.Used IW-1	17320	15733	18828	17209	16195
1.Used IW-2	362	413	288	480	274
2.Used IW-3		118	113	119	85
3.Used IW-4			42	71	46
4.Used IW-5				37	27
5.Used IW-6					16

Value	R8ADLF	R9ADLF	R10ADLF	R11ADLF	R12ADLF
.M=Oth missing	222	159	6452	456	216
0.Used IW-1	17810	16481	15022	19660	18049
1.Used IW-2	255	403	291	257	356
2.Used IW-3	114	91	137	88	72
3.Used IW-4	39	52	60	56	25
4.Used IW-5	16	16	39	17	17
5.Used IW-6	9	4	17	7	4
6.Used IW-7	4	6	11	3	5
7.Used IW-8		5	2	4	3
8.Used IW-9			3	4	1
9.Used IW-10				2	

Value	S3ADLF	S4ADLF	S5ADLF	S6ADLF	S7ADLF
.M=Oth missing	254	3514	258	221	2488
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.Used IW-1	11420	10168	12230	11034	10258
1.Used IW-2	241	229	162	276	133
2.Used IW-3		67	62	55	42
3.Used IW-4			18	38	22
4.Used IW-5				15	16
5.Used IW-6					13

Value	S8ADLF	S9ADLF	S10ADLF	S11ADLF	S12ADLF
.M=Oth missing	203	142	4099	391	176
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Used IW-1	11315	10232	9113	11860	10624
1.Used IW-2	121	201	154	145	173
2.Used IW-3	64	41	79	44	36
3.Used IW-4	21	17	32	33	12
4.Used IW-5	7	8	23	11	9
5.Used IW-6		4	6	2	
6.Used IW-7	4		5		1
7.Used IW-8		1			
8.Used IW-9			2		
9.Used IW-10				2	

Value	R3GROSSF	R4GROSSF	R5GROSSF	R6GROSSF	R7GROSSF
.M=Oth missing	7247	5269	339	263	3490
0.Used IW-1	10382	15736	18830	17209	16194
1.Used IW-2	362	261	289	480	274
2.Used IW-3		118	79	119	85
3.Used IW-4			42	57	46
4.Used IW-5				37	24
5.Used IW-6					16

Value	R8GROSSF	R9GROSSF	R10GROSSF	R11GROSSF	R12GROSSF
.M=Oth missing	222	159	6451	455	213
0.Used IW-1	17812	16484	15024	19663	18050
1.Used IW-2	255	403	291	257	358
2.Used IW-3	114	91	137	88	72
3.Used IW-4	39	52	60	56	25
4.Used IW-5	16	16	39	17	17
5.Used IW-6	7	4	17	7	4
6.Used IW-7	4	3	11	3	5
7.Used IW-8		5	1	4	3
8.Used IW-9			3	2	1
9.Used IW-10				2	

Value	S3GROSSF	S4GROSSF	S5GROSSF	S6GROSSF	S7GROSSF
.M=Oth missing	3791	3566	269	227	2489
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.Used IW-1	7883	10169	12231	11034	10257
1.Used IW-2	241	176	163	276	133
2.Used IW-3		67	49	55	42
3.Used IW-4			18	32	22
4.Used IW-5				15	16
5.Used IW-6					13

Value	S8GROSSF	S9GROSSF	S10GROSSF	S11GROSSF	S12GROSSF
.M=Oth missing	203	141	4098	389	175
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Used IW-1	11315	10233	9114	11862	10624
1.Used IW-2	121	201	154	145	174
2.Used IW-3	64	41	79	44	36
3.Used IW-4	21	17	32	33	12
4.Used IW-5	7	8	23	11	9
5.Used IW-6		4	6	2	
6.Used IW-7	4		5		1
7.Used IW-8		1			
8.Used IW-9			2		
9.Used IW-10				2	

Value	R3FINEF	R4FINEF	R5FINEF	R6FINEF	R7FINEF
.M=Oth missing	308	5119	308	250	3487
0.Used IW-1	17321	15734	18828	17209	16194
1.Used IW-2	362	413	288	479	274
2.Used IW-3		118	113	119	85
3.Used IW-4			42	71	46
4.Used IW-5				37	27
5.Used IW-6					16

Value	R8FINEF	R9FINEF	R10FINEF	R11FINEF	R12FINEF
.M=Oth missing	221	158	6452	455	217
0.Used IW-1	17811	16482	15022	19661	18048
1.Used IW-2	255	403	291	257	356
2.Used IW-3	114	91	137	88	72
3.Used IW-4	39	52	60	56	25
4.Used IW-5	16	16	39	17	17
5.Used IW-6	9	4	17	7	4
6.Used IW-7	4	6	11	3	5
7.Used IW-8		5	2	4	3
8.Used IW-9			3	4	1
9.Used IW-10				2	

Value	S3FINEF	S4FINEF	S5FINEF	S6FINEF	S7FINEF
.M=Oth missing	253	3513	258	221	2488
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
0.Used IW-1	11421	10169	12230	11034	10258
1.Used IW-2	241	229	162	276	133
2.Used IW-3		67	62	55	42
3.Used IW-4			18	38	22
4.Used IW-5				15	16
5.Used IW-6					13

Value	S8FINEF	S9FINEF	S10FINEF	S11FINEF	S12FINEF
.M=Oth missing	203	142	4099	391	176
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Used IW-1	11315	10232	9113	11860	10624
1.Used IW-2	121	201	154	145	173
2.Used IW-3	64	41	79	44	36
3.Used IW-4	21	17	32	33	12
4.Used IW-5	7	8	23	11	9
5.Used IW-6		4	6	2	
6.Used IW-7	4		5		1
7.Used IW-8		1			
8.Used IW-9			2		
9.Used IW-10				2	

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" earlier in this document.

RwADLC, RwGROSSC, and RwFINEC are the changes from the previous to the current interview, in functional limitation indices for Activities of Daily Living (ADLs), gross motor activities, and fine motor activities, respectively. RwADLF, RwGROSSF, and RwFINEF indicate how far back the previous interview is and whether the change measure is missing. SwADLC, SwGROSSC, SwFINEC, SwADLF, SwGROSSF, and SwFINEF are this information for the Respondent's spouse or partner.

Because of significant differences in question wording in Wave 1, we do not include functional limitation indices for this interview year. Thus the change variables begin in Wave 3 with the change from Wave 2. There are other cross wave differences in the way HRS presented the functional limitation questions in Waves 2H and 2A and the later waves, that may introduce measurement errors in these variables, which in turn may affect the change variables. In addition, the criteria used for skipping some questions changed between Wave 3 and later waves, which may also influence the consistency of measurement before Wave 4 for all ADLs except dressing. RwADLA, RwGROSSA, and RwFINEA all include at least one ADL measure besides dressing.

RwADLA summarizes difficulty with walking across a room, getting in and out of bed, dressing, bathing, and eating. RwGROSSA summarizes difficulty with walking one block, walking across a room, climbing a flight of stairs, getting in and out of bed, and bathing. RwFINEA summarizes difficulty with picking up a dime, eating, and dressing.

The derivation of these variables is:

RwADLC = RwADLA - RpADLA

RwGROSSC = RwGROSSA - RpGROSSA

RwFINEC = RwFINEA - RpFINEA

Where "w" means current wave and "p" means the previous interview. For example, if an individual responded to Waves 3 and 4, R4ADLC = R4ADLA - R3ADLA.

In Wave 2A, one of the components of R2GROSSA is not collected, and R2GROSSA is set to .Q. So for Wave 3A, RwGROSSC is set to .Q to indicate that this change measure is not available.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwADLF, RwGROSSF, and RwFINEF indicate if there are any missed interviews prior to the current, and if so, how many. In other words, they indicate how far back the previous interview is, from which the change is measured. Their codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews; change = current - [current-4]; 4) missed the four previous interviews; change = current - [current-5]; 5) missed the five previous interviews; change = current - [current-6]; 9) either the current or previous interview measure is missing, so change is missing.

Please see the description of RwADLA in "ADL Summary" and of RwGROSSA and RwFINEA in "Other Summary Indices" earlier in this section.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3ADLC is taken from the Wave 3 spouse's R3ADLC variable.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data under "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Some difficulty" and "Other functional limitations: Some difficulty."

Change in Health: Conditions

Wave	Variable	Label	Type
2	R2HIBPS	R2HIBPS:W2 R had hi BP since last IW	Categ
3	R3HIBPS	R3HIBPS:W3 R had hi BP since last IW	Categ
4	R4HIBPS	R4HIBPS:W4 R had hi BP since last IW	Categ
5	R5HIBPS	R5HIBPS:W5 R had hi BP since last IW	Categ
6	R6HIBPS	R6HIBPS:W6 R had hi BP since last IW	Categ
7	R7HIBPS	R7HIBPS:W7 R had hi BP since last IW	Categ
8	R8HIBPS	R8HIBPS:W8 R had hi BP since last IW	Categ
9	R9HIBPS	R9HIBPS:W9 R had hi BP since last IW	Categ
10	R10HIBPS	R10HIBPS:W10 R had hi BP since last IW	Categ
11	R11HIBPS	R11HIBPS:W11 R had hi BP since last IW	Categ
12	R12HIBPS	R12HIBPS:W12 R had hi BP since last IW	Categ
2	S2HIBPS	S2HIBPS:W2 S had hi BP since last IW	Categ
3	S3HIBPS	S3HIBPS:W3 S had hi BP since last IW	Categ
4	S4HIBPS	S4HIBPS:W4 S had hi BP since last IW	Categ
5	S5HIBPS	S5HIBPS:W5 S had hi BP since last IW	Categ
6	S6HIBPS	S6HIBPS:W6 S had hi BP since last IW	Categ
7	S7HIBPS	S7HIBPS:W7 S had hi BP since last IW	Categ
8	S8HIBPS	S8HIBPS:W8 S had hi BP since last IW	Categ
9	S9HIBPS	S9HIBPS:W9 S had hi BP since last IW	Categ
10	S10HIBPS	S10HIBPS:W10 S had hi BP since last IW	Categ
11	S11HIBPS	S11HIBPS:W11 S had hi BP since last IW	Categ
12	S12HIBPS	S12HIBPS:W12 S had hi BP since last IW	Categ
2	R2DIABS	R2DIABS:W2 R had diabetes since last IW	Categ
3	R3DIABS	R3DIABS:W3 R had diabetes since last IW	Categ
4	R4DIABS	R4DIABS:W4 R had diabetes since last IW	Categ
5	R5DIABS	R5DIABS:W5 R had diabetes since last IW	Categ
6	R6DIABS	R6DIABS:W6 R had diabetes since last IW	Categ
7	R7DIABS	R7DIABS:W7 R had diabetes since last IW	Categ
8	R8DIABS	R8DIABS:W8 R had diabetes since last IW	Categ
9	R9DIABS	R9DIABS:W9 R had diabetes since last IW	Categ
10	R10DIABS	R10DIABS:W10 R had diabetes since last IW	Categ
11	R11DIABS	R11DIABS:W11 R had diabetes since last IW	Categ
12	R12DIABS	R12DIABS:W12 R had diabetes since last IW	Categ
2	S2DIABS	S2DIABS:W2 S had diabetes since last IW	Categ
3	S3DIABS	S3DIABS:W3 S had diabetes since last IW	Categ
4	S4DIABS	S4DIABS:W4 S had diabetes since last IW	Categ
5	S5DIABS	S5DIABS:W5 S had diabetes since last IW	Categ
6	S6DIABS	S6DIABS:W6 S had diabetes since last IW	Categ
7	S7DIABS	S7DIABS:W7 S had diabetes since last IW	Categ
8	S8DIABS	S8DIABS:W8 S had diabetes since last IW	Categ
9	S9DIABS	S9DIABS:W9 S had diabetes since last IW	Categ
10	S10DIABS	S10DIABS:W10 S had diabetes since last IW	Categ
11	S11DIABS	S11DIABS:W11 S had diabetes since last IW	Categ
12	S12DIABS	S12DIABS:W12 S had diabetes since last IW	Categ
2	R2CANCRS	R2CANCRS:W2 R had cancer since last IW	Categ
3	R3CANCRS	R3CANCRS:W3 R had cancer since last IW	Categ
4	R4CANCRS	R4CANCRS:W4 R had cancer since last IW	Categ
5	R5CANCRS	R5CANCRS:W5 R had cancer since last IW	Categ
6	R6CANCRS	R6CANCRS:W6 R had cancer since last IW	Categ
7	R7CANCRS	R7CANCRS:W7 R had cancer since last IW	Categ
8	R8CANCRS	R8CANCRS:W8 R had cancer since last IW	Categ
9	R9CANCRS	R9CANCRS:W9 R had cancer since last IW	Categ
10	R10CANCRS	R10CANCRS:W10 R had cancer since last IW	Categ
11	R11CANCRS	R11CANCRS:W11 R had cancer since last IW	Categ
12	R12CANCRS	R12CANCRS:W12 R had cancer since last IW	Categ
2	S2CANCRS	S2CANCRS:W2 S had cancer since last IW	Categ
3	S3CANCRS	S3CANCRS:W3 S had cancer since last IW	Categ
4	S4CANCRS	S4CANCRS:W4 S had cancer since last IW	Categ
5	S5CANCRS	S5CANCRS:W5 S had cancer since last IW	Categ
6	S6CANCRS	S6CANCRS:W6 S had cancer since last IW	Categ
7	S7CANCRS	S7CANCRS:W7 S had cancer since last IW	Categ

8	S8CANCRS	S8CANCRS:W8 S had cancer since last IW	Categ
9	S9CANCRS	S9CANCRS:W9 S had cancer since last IW	Categ
10	S10CANCRS	S10CANCRS:W10 S had cancer since last IW	Categ
11	S11CANCRS	S11CANCRS:W11 S had cancer since last IW	Categ
12	S12CANCRS	S12CANCRS:W12 S had cancer since last IW	Categ
2	R2LUNGS	R2LUNGS:W2 R had lung dis since last IW	Categ
3	R3LUNGS	R3LUNGS:W3 R had lung dis since last IW	Categ
4	R4LUNGS	R4LUNGS:W4 R had lung dis since last IW	Categ
5	R5LUNGS	R5LUNGS:W5 R had lung dis since last IW	Categ
6	R6LUNGS	R6LUNGS:W6 R had lung dis since last IW	Categ
7	R7LUNGS	R7LUNGS:W7 R had lung dis since last IW	Categ
8	R8LUNGS	R8LUNGS:W8 R had lung dis since last IW	Categ
9	R9LUNGS	R9LUNGS:W9 R had lung dis since last IW	Categ
10	R10LUNGS	R10LUNGS:W10 R had lung dis since last IW	Categ
11	R11LUNGS	R11LUNGS:W11 R had lung dis since last IW	Categ
12	R12LUNGS	R12LUNGS:W12 R had lung dis since last IW	Categ
2	S2LUNGS	S2LUNGS:W2 S had lung dis since last IW	Categ
3	S3LUNGS	S3LUNGS:W3 S had lung dis since last IW	Categ
4	S4LUNGS	S4LUNGS:W4 S had lung dis since last IW	Categ
5	S5LUNGS	S5LUNGS:W5 S had lung dis since last IW	Categ
6	S6LUNGS	S6LUNGS:W6 S had lung dis since last IW	Categ
7	S7LUNGS	S7LUNGS:W7 S had lung dis since last IW	Categ
8	S8LUNGS	S8LUNGS:W8 S had lung dis since last IW	Categ
9	S9LUNGS	S9LUNGS:W9 S had lung dis since last IW	Categ
10	S10LUNGS	S10LUNGS:W10 S had lung dis since last IW	Categ
11	S11LUNGS	S11LUNGS:W11 S had lung dis since last IW	Categ
12	S12LUNGS	S12LUNGS:W12 S had lung dis since last IW	Categ
2	R2HEARTS	R2HEARTS:W2 R had heart prob snce lastIW	Categ
3	R3HEARTS	R3HEARTS:W3 R had heart prob snce lastIW	Categ
4	R4HEARTS	R4HEARTS:W4 R had heart prob snce lastIW	Categ
5	R5HEARTS	R5HEARTS:W5 R had heart prob snce lastIW	Categ
6	R6HEARTS	R6HEARTS:W6 R had heart prob snce lastIW	Categ
7	R7HEARTS	R7HEARTS:W7 R had heart prob snce lastIW	Categ
8	R8HEARTS	R8HEARTS:W8 R had heart prob snce lastIW	Categ
9	R9HEARTS	R9HEARTS:W9 R had heart prob snce lastIW	Categ
10	R10HEARTS	R10HEARTS:W10 R had heart prob snce lastIW	Categ
11	R11HEARTS	R11HEARTS:W11 R had heart prob snce lastIW	Categ
12	R12HEARTS	R12HEARTS:W12 R had heart prob snce lastIW	Categ
2	S2HEARTS	S2HEARTS:W2 S had heart prob snce lastIW	Categ
3	S3HEARTS	S3HEARTS:W3 S had heart prob snce lastIW	Categ
4	S4HEARTS	S4HEARTS:W4 S had heart prob snce lastIW	Categ
5	S5HEARTS	S5HEARTS:W5 S had heart prob snce lastIW	Categ
6	S6HEARTS	S6HEARTS:W6 S had heart prob snce lastIW	Categ
7	S7HEARTS	S7HEARTS:W7 S had heart prob snce lastIW	Categ
8	S8HEARTS	S8HEARTS:W8 S had heart prob snce lastIW	Categ
9	S9HEARTS	S9HEARTS:W9 S had heart prob snce lastIW	Categ
10	S10HEARTS	S10HEARTS:W10 S had heart prob snce lastIW	Categ
11	S11HEARTS	S11HEARTS:W11 S had heart prob snce lastIW	Categ
12	S12HEARTS	S12HEARTS:W12 S had heart prob snce lastIW	Categ
2	R2STROKS	R2STROKS:W2 R had stroke since last IW	Categ
3	R3STROKS	R3STROKS:W3 R had stroke since last IW	Categ
4	R4STROKS	R4STROKS:W4 R had stroke since last IW	Categ
5	R5STROKS	R5STROKS:W5 R had stroke since last IW	Categ
6	R6STROKS	R6STROKS:W6 R had stroke since last IW	Categ
7	R7STROKS	R7STROKS:W7 R had stroke since last IW	Categ
8	R8STROKS	R8STROKS:W8 R had stroke since last IW	Categ
9	R9STROKS	R9STROKS:W9 R had stroke since last IW	Categ
10	R10STROKS	R10STROKS:W10 R had stroke since last IW	Categ
11	R11STROKS	R11STROKS:W11 R had stroke since last IW	Categ
12	R12STROKS	R12STROKS:W12 R had stroke since last IW	Categ
2	S2STROKS	S2STROKS:W2 S had stroke since last IW	Categ
3	S3STROKS	S3STROKS:W3 S had stroke since last IW	Categ
4	S4STROKS	S4STROKS:W4 S had stroke since last IW	Categ
5	S5STROKS	S5STROKS:W5 S had stroke since last IW	Categ
6	S6STROKS	S6STROKS:W6 S had stroke since last IW	Categ
7	S7STROKS	S7STROKS:W7 S had stroke since last IW	Categ

8	S8STROKS	S8STROKS:W8 S had stroke since last IW	Categ
9	S9STROKS	S9STROKS:W9 S had stroke since last IW	Categ
10	S10STROKS	S10STROKS:W10 S had stroke since last IW	Categ
11	S11STROKS	S11STROKS:W11 S had stroke since last IW	Categ
12	S12STROKS	S12STROKS:W12 S had stroke since last IW	Categ
2	R2PSYCHS	R2PSYCHS:W2 R had psych prob snce lastIW	Categ
3	R3PSYCHS	R3PSYCHS:W3 R had psych prob snce lastIW	Categ
4	R4PSYCHS	R4PSYCHS:W4 R had psych prob snce lastIW	Categ
5	R5PSYCHS	R5PSYCHS:W5 R had psych prob snce lastIW	Categ
6	R6PSYCHS	R6PSYCHS:W6 R had psych prob snce lastIW	Categ
7	R7PSYCHS	R7PSYCHS:W7 R had psych prob snce lastIW	Categ
8	R8PSYCHS	R8PSYCHS:W8 R had psych prob snce lastIW	Categ
9	R9PSYCHS	R9PSYCHS:W9 R had psych prob snce lastIW	Categ
10	R10PSYCHS	R10PSYCHS:W10 R had psych prob snce lastIW	Categ
11	R11PSYCHS	R11PSYCHS:W11 R had psych prob snce lastIW	Categ
12	R12PSYCHS	R12PSYCHS:W12 R had psych prob snce lastIW	Categ
2	S2PSYCHS	S2PSYCHS:W2 S had psych prob snce lastIW	Categ
3	S3PSYCHS	S3PSYCHS:W3 S had psych prob snce lastIW	Categ
4	S4PSYCHS	S4PSYCHS:W4 S had psych prob snce lastIW	Categ
5	S5PSYCHS	S5PSYCHS:W5 S had psych prob snce lastIW	Categ
6	S6PSYCHS	S6PSYCHS:W6 S had psych prob snce lastIW	Categ
7	S7PSYCHS	S7PSYCHS:W7 S had psych prob snce lastIW	Categ
8	S8PSYCHS	S8PSYCHS:W8 S had psych prob snce lastIW	Categ
9	S9PSYCHS	S9PSYCHS:W9 S had psych prob snce lastIW	Categ
10	S10PSYCHS	S10PSYCHS:W10 S had psych prob snce lastIW	Categ
11	S11PSYCHS	S11PSYCHS:W11 S had psych prob snce lastIW	Categ
12	S12PSYCHS	S12PSYCHS:W12 S had psych prob snce lastIW	Categ
2	R2ARTHRS	R2ARTHRS:W2 R had arthritis snce last IW	Categ
3	R3ARTHRS	R3ARTHRS:W3 R had arthritis snce last IW	Categ
4	R4ARTHRS	R4ARTHRS:W4 R had arthritis snce last IW	Categ
5	R5ARTHRS	R5ARTHRS:W5 R had arthritis snce last IW	Categ
6	R6ARTHRS	R6ARTHRS:W6 R had arthritis snce last IW	Categ
7	R7ARTHRS	R7ARTHRS:W7 R had arthritis snce last IW	Categ
8	R8ARTHRS	R8ARTHRS:W8 R had arthritis snce last IW	Categ
9	R9ARTHRS	R9ARTHRS:W9 R had arthritis snce last IW	Categ
10	R10ARTHRS	R10ARTHRS:W10 R had arthritis snce last IW	Categ
11	R11ARTHRS	R11ARTHRS:W11 R had arthritis snce last IW	Categ
12	R12ARTHRS	R12ARTHRS:W12 R had arthritis snce last IW	Categ
2	S2ARTHRS	S2ARTHRS:W2 S had arthritis snce last IW	Categ
3	S3ARTHRS	S3ARTHRS:W3 S had arthritis snce last IW	Categ
4	S4ARTHRS	S4ARTHRS:W4 S had arthritis snce last IW	Categ
5	S5ARTHRS	S5ARTHRS:W5 S had arthritis snce last IW	Categ
6	S6ARTHRS	S6ARTHRS:W6 S had arthritis snce last IW	Categ
7	S7ARTHRS	S7ARTHRS:W7 S had arthritis snce last IW	Categ
8	S8ARTHRS	S8ARTHRS:W8 S had arthritis snce last IW	Categ
9	S9ARTHRS	S9ARTHRS:W9 S had arthritis snce last IW	Categ
10	S10ARTHRS	S10ARTHRS:W10 S had arthritis snce last IW	Categ
11	S11ARTHRS	S11ARTHRS:W11 S had arthritis snce last IW	Categ
12	S12ARTHRS	S12ARTHRS:W12 S had arthritis snce last IW	Categ
2	R2CONDS	R2CONDS:W2 Sum of conditns since lastIW	Cont
3	R3CONDS	R3CONDS:W3 Sum of conditns since lastIW	Cont
4	R4CONDS	R4CONDS:W4 Sum of conditns since lastIW	Cont
5	R5CONDS	R5CONDS:W5 Sum of conditns since lastIW	Cont
6	R6CONDS	R6CONDS:W6 Sum of conditns since lastIW	Cont
7	R7CONDS	R7CONDS:W7 Sum of conditns since lastIW	Cont
8	R8CONDS	R8CONDS:W8 Sum of conditns since lastIW	Cont
9	R9CONDS	R9CONDS:W9 Sum of conditns since lastIW	Cont
10	R10CONDS	R10CONDS:W10 Sum of conditns since lastIW	Cont
11	R11CONDS	R11CONDS:W11 Sum of conditns since lastIW	Cont
12	R12CONDS	R12CONDS:W12 Sum of conditns since lastIW	Cont
2	S2CONDS	S2CONDS:W2 Sum of conditns since lastIW	Cont
3	S3CONDS	S3CONDS:W3 Sum of conditns since lastIW	Cont
4	S4CONDS	S4CONDS:W4 Sum of conditns since lastIW	Cont
5	S5CONDS	S5CONDS:W5 Sum of conditns since lastIW	Cont
6	S6CONDS	S6CONDS:W6 Sum of conditns since lastIW	Cont
7	S7CONDS	S7CONDS:W7 Sum of conditns since lastIW	Cont

8	S8CONDS	S8CONDS:W8 Sum of conditns since lastIW	Cont
9	S9CONDS	S9CONDS:W9 Sum of conditns since lastIW	Cont
10	S10CONDS	S10CONDS:W10 Sum of conditns since lastIW	Cont
11	S11CONDS	S11CONDS:W11 Sum of conditns since lastIW	Cont
12	S12CONDS	S12CONDS:W12 Sum of conditns since lastIW	Cont
2	R2CONDSM	R2CONDSM:W2 # missings in sum cond since	Cont
3	R3CONDSM	R3CONDSM:W3 # missings in sum cond since	Cont
4	R4CONDSM	R4CONDSM:W4 # missings in sum cond since	Cont
5	R5CONDSM	R5CONDSM:W5 # missings in sum cond since	Cont
6	R6CONDSM	R6CONDSM:W6 # missings in sum cond since	Cont
7	R7CONDSM	R7CONDSM:W7 # missings in sum cond since	Cont
8	R8CONDSM	R8CONDSM:W8 # missings in sum cond since	Cont
9	R9CONDSM	R9CONDSM:W9 # missings in sum cond since	Cont
10	R10CONDSM	R10CONDSM:W10 # missings in sum cond since	Cont
11	R11CONDSM	R11CONDSM:W11 # missings in sum cond since	Cont
12	R12CONDSM	R12CONDSM:W12 # missings in sum cond since	Cont
2	S2CONDSM	S2CONDSM:W2 # missings in sum cond since	Cont
3	S3CONDSM	S3CONDSM:W3 # missings in sum cond since	Cont
4	S4CONDSM	S4CONDSM:W4 # missings in sum cond since	Cont
5	S5CONDSM	S5CONDSM:W5 # missings in sum cond since	Cont
6	S6CONDSM	S6CONDSM:W6 # missings in sum cond since	Cont
7	S7CONDSM	S7CONDSM:W7 # missings in sum cond since	Cont
8	S8CONDSM	S8CONDSM:W8 # missings in sum cond since	Cont
9	S9CONDSM	S9CONDSM:W9 # missings in sum cond since	Cont
10	S10CONDSM	S10CONDSM:W10 # missings in sum cond since	Cont
11	S11CONDSM	S11CONDSM:W11 # missings in sum cond since	Cont
12	S12CONDSM	S12CONDSM:W12 # missings in sum cond since	Cont
2	R2CONDSF	R2CONDSF:W2 # chg from dispute/sum since	Cont
3	R3CONDSF	R3CONDSF:W3 # chg from dispute/sum since	Cont
4	R4CONDSF	R4CONDSF:W4 # chg from dispute/sum since	Cont
5	R5CONDSF	R5CONDSF:W5 # chg from dispute/sum since	Cont
6	R6CONDSF	R6CONDSF:W6 # chg from dispute/sum since	Cont
7	R7CONDSF	R7CONDSF:W7 # chg from dispute/sum since	Cont
8	R8CONDSF	R8CONDSF:W8 # chg from dispute/sum since	Cont
9	R9CONDSF	R9CONDSF:W9 # chg from dispute/sum since	Cont
10	R10CONDSF	R10CONDSF:W10 # chg from dispute/sum since	Cont
11	R11CONDSF	R11CONDSF:W11 # chg from dispute/sum since	Cont
12	R12CONDSF	R12CONDSF:W12 # chg from dispute/sum since	Cont
2	S2CONDSF	S2CONDSF:W2 # chg from dispute/sum since	Cont
3	S3CONDSF	S3CONDSF:W3 # chg from dispute/sum since	Cont
4	S4CONDSF	S4CONDSF:W4 # chg from dispute/sum since	Cont
5	S5CONDSF	S5CONDSF:W5 # chg from dispute/sum since	Cont
6	S6CONDSF	S6CONDSF:W6 # chg from dispute/sum since	Cont
7	S7CONDSF	S7CONDSF:W7 # chg from dispute/sum since	Cont
8	S8CONDSF	S8CONDSF:W8 # chg from dispute/sum since	Cont
9	S9CONDSF	S9CONDSF:W9 # chg from dispute/sum since	Cont
10	S10CONDSF	S10CONDSF:W10 # chg from dispute/sum since	Cont
11	S11CONDSF	S11CONDSF:W11 # chg from dispute/sum since	Cont
12	S12CONDSF	S12CONDSF:W12 # chg from dispute/sum since	Cont
2	R2CONDSP	R2CONDSP:W2 Flag Prv IVW not Wv-1/since	Categ
3	R3CONDSP	R3CONDSP:W3 Flag Prv IVW not Wv-1/since	Categ
4	R4CONDSP	R4CONDSP:W4 Flag Prv IVW not Wv-1/since	Categ
5	R5CONDSP	R5CONDSP:W5 Flag Prv IVW not Wv-1/since	Categ
6	R6CONDSP	R6CONDSP:W6 Flag Prv IVW not Wv-1/since	Categ
7	R7CONDSP	R7CONDSP:W7 Flag Prv IVW not Wv-1/since	Categ
8	R8CONDSP	R8CONDSP:W8 Flag Prv IVW not Wv-1/since	Categ
9	R9CONDSP	R9CONDSP:W9 Flag Prv IVW not Wv-1/since	Categ
10	R10CONDSP	R10CONDSP:W10 Flag Prv IVW not Wv-1/since	Categ
11	R11CONDSP	R11CONDSP:W11 Flag Prv IVW not Wv-1/since	Categ
12	R12CONDSP	R12CONDSP:W12 Flag Prv IVW not Wv-1/since	Categ
2	S2CONDSP	S2CONDSP:W2 Flag Prv IVW not Wv-1/since	Categ
3	S3CONDSP	S3CONDSP:W3 Flag Prv IVW not Wv-1/since	Categ
4	S4CONDSP	S4CONDSP:W4 Flag Prv IVW not Wv-1/since	Categ
5	S5CONDSP	S5CONDSP:W5 Flag Prv IVW not Wv-1/since	Categ
6	S6CONDSP	S6CONDSP:W6 Flag Prv IVW not Wv-1/since	Categ
7	S7CONDSP	S7CONDSP:W7 Flag Prv IVW not Wv-1/since	Categ

8	S8CONDSP	S8CONDSP:W8 Flag Prv IVW not Wv-1/since	Categ
9	S9CONDSP	S9CONDSP:W9 Flag Prv IVW not Wv-1/since	Categ
10	S10CONDSP	S10CONDSP:W10 Flag Prv IVW not Wv-1/since	Categ
11	S11CONDSP	S11CONDSP:W11 Flag Prv IVW not Wv-1/since	Categ
12	S12CONDSP	S12CONDSP:W12 Flag Prv IVW not Wv-1/since	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2HIBPS	11419	0.03	0.18	0.0	1.0
R3HIBPS	17707	0.04	0.19	0.0	1.0
R4HIBPS	16273	0.04	0.21	0.0	1.0
R5HIBPS	19293	0.05	0.21	0.0	1.0
R6HIBPS	17910	0.06	0.23	0.0	1.0
R7HIBPS	16626	0.05	0.22	0.0	1.0
R8HIBPS	18223	0.05	0.22	0.0	1.0
R9HIBPS	17036	0.05	0.22	0.0	1.0
R10HIBPS	15549	0.05	0.22	0.0	1.0
R11HIBPS	20170	0.04	0.20	0.0	1.0
R12HIBPS	18509	0.04	0.19	0.0	1.0
S2HIBPS	8737	0.03	0.18	0.0	1.0
S3HIBPS	11669	0.03	0.18	0.0	1.0
S4HIBPS	10466	0.04	0.20	0.0	1.0
S5HIBPS	12475	0.05	0.21	0.0	1.0
S6HIBPS	11417	0.05	0.23	0.0	1.0
S7HIBPS	10474	0.05	0.22	0.0	1.0
S8HIBPS	11524	0.05	0.22	0.0	1.0
S9HIBPS	10492	0.05	0.22	0.0	1.0
S10HIBPS	9398	0.05	0.22	0.0	1.0
S11HIBPS	12146	0.04	0.20	0.0	1.0
S12HIBPS	10831	0.04	0.19	0.0	1.0
R2DIABS	11418	0.02	0.13	0.0	1.0
R3DIABS	17699	0.02	0.14	0.0	1.0
R4DIABS	16269	0.02	0.14	0.0	1.0
R5DIABS	19291	0.02	0.15	0.0	1.0
R6DIABS	17914	0.03	0.17	0.0	1.0
R7DIABS	16625	0.03	0.16	0.0	1.0
R8DIABS	18224	0.03	0.17	0.0	1.0
R9DIABS	17036	0.03	0.16	0.0	1.0
R10DIABS	15550	0.03	0.18	0.0	1.0
R11DIABS	20179	0.03	0.16	0.0	1.0
R12DIABS	18510	0.03	0.16	0.0	1.0
S2DIABS	8738	0.02	0.12	0.0	1.0
S3DIABS	11666	0.02	0.13	0.0	1.0
S4DIABS	10467	0.02	0.13	0.0	1.0
S5DIABS	12474	0.02	0.15	0.0	1.0
S6DIABS	11417	0.03	0.17	0.0	1.0
S7DIABS	10471	0.03	0.16	0.0	1.0
S8DIABS	11520	0.03	0.16	0.0	1.0
S9DIABS	10491	0.03	0.16	0.0	1.0
S10DIABS	9403	0.04	0.18	0.0	1.0
S11DIABS	12155	0.03	0.16	0.0	1.0
S12DIABS	10843	0.03	0.16	0.0	1.0

R2CANCRS	11415	0.01	0.11	0.0	1.0
R3CANCRS	17702	0.02	0.14	0.0	1.0
R4CANCRS	16265	0.02	0.15	0.0	1.0
R5CANCRS	19279	0.02	0.14	0.0	1.0
R6CANCRS	17904	0.03	0.16	0.0	1.0
R7CANCRS	16617	0.02	0.15	0.0	1.0
R8CANCRS	18212	0.02	0.15	0.0	1.0
R9CANCRS	17026	0.02	0.15	0.0	1.0
R10CANCRS	15540	0.03	0.16	0.0	1.0
R11CANCRS	20165	0.02	0.14	0.0	1.0
R12CANCRS	18508	0.02	0.14	0.0	1.0
S2CANCRS	8735	0.01	0.11	0.0	1.0
S3CANCRS	11663	0.02	0.14	0.0	1.0
S4CANCRS	10460	0.02	0.15	0.0	1.0
S5CANCRS	12468	0.02	0.14	0.0	1.0
S6CANCRS	11411	0.03	0.16	0.0	1.0
S7CANCRS	10467	0.02	0.15	0.0	1.0
S8CANCRS	11512	0.02	0.15	0.0	1.0
S9CANCRS	10484	0.02	0.15	0.0	1.0
S10CANCRS	9391	0.03	0.17	0.0	1.0
S11CANCRS	12146	0.02	0.14	0.0	1.0
S12CANCRS	10836	0.02	0.15	0.0	1.0
R2LUNGS	11420	0.01	0.11	0.0	1.0
R3LUNGS	17712	0.01	0.11	0.0	1.0
R4LUNGS	16282	0.02	0.13	0.0	1.0
R5LUNGS	19299	0.01	0.12	0.0	1.0
R6LUNGS	17917	0.02	0.13	0.0	1.0
R7LUNGS	16631	0.02	0.13	0.0	1.0
R8LUNGS	18225	0.02	0.13	0.0	1.0
R9LUNGS	17040	0.02	0.13	0.0	1.0
R10LUNGS	15562	0.02	0.14	0.0	1.0
R11LUNGS	20192	0.02	0.13	0.0	1.0
R12LUNGS	18539	0.02	0.13	0.0	1.0
S2LUNGS	8737	0.01	0.11	0.0	1.0
S3LUNGS	11669	0.01	0.10	0.0	1.0
S4LUNGS	10466	0.01	0.11	0.0	1.0
S5LUNGS	12475	0.01	0.12	0.0	1.0
S6LUNGS	11416	0.01	0.12	0.0	1.0
S7LUNGS	10473	0.02	0.13	0.0	1.0
S8LUNGS	11520	0.01	0.12	0.0	1.0
S9LUNGS	10492	0.02	0.12	0.0	1.0
S10LUNGS	9407	0.02	0.13	0.0	1.0
S11LUNGS	12161	0.01	0.12	0.0	1.0
S12LUNGS	10852	0.01	0.12	0.0	1.0
R2HEARTS	11422	0.02	0.15	0.0	1.0
R3HEARTS	17713	0.03	0.18	0.0	1.0
R4HEARTS	16279	0.03	0.18	0.0	1.0
R5HEARTS	19300	0.03	0.18	0.0	1.0
R6HEARTS	17918	0.04	0.19	0.0	1.0
R7HEARTS	16626	0.04	0.19	0.0	1.0
R8HEARTS	18223	0.03	0.18	0.0	1.0
R9HEARTS	17037	0.03	0.18	0.0	1.0
R10HEARTS	15563	0.04	0.21	0.0	1.0
R11HEARTS	20185	0.03	0.18	0.0	1.0

R12HEARTS	18516	0.03	0.18	0.0	1.0
S2HEARTS	8740	0.02	0.15	0.0	1.0
S3HEARTS	11673	0.03	0.17	0.0	1.0
S4HEARTS	10468	0.03	0.18	0.0	1.0
S5HEARTS	12476	0.03	0.17	0.0	1.0
S6HEARTS	11417	0.03	0.18	0.0	1.0
S7HEARTS	10471	0.03	0.18	0.0	1.0
S8HEARTS	11521	0.03	0.18	0.0	1.0
S9HEARTS	10491	0.03	0.18	0.0	1.0
S10HEARTS	9402	0.04	0.20	0.0	1.0
S11HEARTS	12155	0.03	0.17	0.0	1.0
S12HEARTS	10839	0.03	0.17	0.0	1.0
R2STROKS	11422	0.01	0.08	0.0	1.0
R3STROKS	17712	0.02	0.14	0.0	1.0
R4STROKS	16281	0.02	0.14	0.0	1.0
R5STROKS	19304	0.02	0.14	0.0	1.0
R6STROKS	17921	0.02	0.14	0.0	1.0
R7STROKS	16640	0.02	0.14	0.0	1.0
R8STROKS	18237	0.02	0.13	0.0	1.0
R9STROKS	17050	0.02	0.13	0.0	1.0
R10STROKS	15573	0.02	0.15	0.0	1.0
R11STROKS	20196	0.02	0.13	0.0	1.0
R12STROKS	18534	0.02	0.13	0.0	1.0
S2STROKS	8740	0.01	0.07	0.0	1.0
S3STROKS	11670	0.02	0.12	0.0	1.0
S4STROKS	10467	0.02	0.12	0.0	1.0
S5STROKS	12478	0.02	0.12	0.0	1.0
S6STROKS	11421	0.02	0.13	0.0	1.0
S7STROKS	10478	0.01	0.12	0.0	1.0
S8STROKS	11524	0.01	0.12	0.0	1.0
S9STROKS	10496	0.01	0.12	0.0	1.0
S10STROKS	9406	0.02	0.14	0.0	1.0
S11STROKS	12160	0.01	0.12	0.0	1.0
S12STROKS	10849	0.01	0.11	0.0	1.0
R2PSYCHS	11420	0.02	0.14	0.0	1.0
R3PSYCHS	17711	0.02	0.15	0.0	1.0
R4PSYCHS	16281	0.02	0.14	0.0	1.0
R5PSYCHS	19303	0.02	0.14	0.0	1.0
R6PSYCHS	17923	0.02	0.15	0.0	1.0
R7PSYCHS	16633	0.02	0.15	0.0	1.0
R8PSYCHS	18226	0.03	0.16	0.0	1.0
R9PSYCHS	17041	0.02	0.14	0.0	1.0
R10PSYCHS	15555	0.02	0.15	0.0	1.0
R11PSYCHS	20176	0.02	0.15	0.0	1.0
R12PSYCHS	18521	0.02	0.14	0.0	1.0
S2PSYCHS	8738	0.02	0.13	0.0	1.0
S3PSYCHS	11671	0.02	0.13	0.0	1.0
S4PSYCHS	10466	0.02	0.12	0.0	1.0
S5PSYCHS	12477	0.02	0.13	0.0	1.0
S6PSYCHS	11422	0.02	0.14	0.0	1.0
S7PSYCHS	10476	0.02	0.13	0.0	1.0
S8PSYCHS	11514	0.02	0.15	0.0	1.0
S9PSYCHS	10487	0.02	0.13	0.0	1.0
S10PSYCHS	9398	0.02	0.14	0.0	1.0

S11PSYCHS	12155	0.02	0.14	0.0	1.0
S12PSYCHS	10844	0.02	0.13	0.0	1.0
R2ARTHRS	11419	0.06	0.23	0.0	1.0
R3ARTHRS	17710	0.14	0.34	0.0	1.0
R4ARTHRS	16281	0.07	0.25	0.0	1.0
R5ARTHRS	19296	0.05	0.22	0.0	1.0
R6ARTHRS	17907	0.05	0.23	0.0	1.0
R7ARTHRS	16619	0.05	0.21	0.0	1.0
R8ARTHRS	18232	0.04	0.20	0.0	1.0
R9ARTHRS	17050	0.04	0.20	0.0	1.0
R10ARTHRS	15563	0.04	0.20	0.0	1.0
R11ARTHRS	20186	0.04	0.20	0.0	1.0
R12ARTHRS	18533	0.04	0.20	0.0	1.0
S2ARTHRS	8737	0.06	0.23	0.0	1.0
S3ARTHRS	11669	0.11	0.32	0.0	1.0
S4ARTHRS	10467	0.06	0.24	0.0	1.0
S5ARTHRS	12471	0.05	0.22	0.0	1.0
S6ARTHRS	11408	0.06	0.23	0.0	1.0
S7ARTHRS	10463	0.05	0.21	0.0	1.0
S8ARTHRS	11519	0.04	0.21	0.0	1.0
S9ARTHRS	10494	0.05	0.21	0.0	1.0
S10ARTHRS	9397	0.05	0.21	0.0	1.0
S11ARTHRS	12155	0.04	0.20	0.0	1.0
S12ARTHRS	10846	0.04	0.20	0.0	1.0
R2CONDS	11423	0.18	0.45	0.0	4.0
R3CONDS	17721	0.30	0.56	0.0	5.0
R4CONDS	16292	0.25	0.52	0.0	4.0
R5CONDS	19314	0.23	0.50	0.0	5.0
R6CONDS	17937	0.26	0.53	0.0	5.0
R7CONDS	16654	0.24	0.51	0.0	5.0
R8CONDS	18259	0.24	0.52	0.0	5.0
R9CONDS	17071	0.23	0.51	0.0	5.0
R10CONDS	15592	0.26	0.53	0.0	4.0
R11CONDS	20221	0.22	0.50	0.0	5.0
R12CONDS	18569	0.21	0.48	0.0	5.0
S2CONDS	8740	0.17	0.44	0.0	4.0
S3CONDS	11675	0.26	0.52	0.0	5.0
S4CONDS	10474	0.23	0.49	0.0	4.0
S5CONDS	12483	0.22	0.49	0.0	5.0
S6CONDS	11428	0.25	0.51	0.0	4.0
S7CONDS	10486	0.23	0.50	0.0	5.0
S8CONDS	11535	0.23	0.51	0.0	5.0
S9CONDS	10504	0.23	0.49	0.0	4.0
S10CONDS	9414	0.25	0.52	0.0	4.0
S11CONDS	12173	0.21	0.49	0.0	5.0
S12CONDS	10863	0.20	0.47	0.0	4.0
R2CONDSM	11423	0.00	0.06	0.0	2.0
R3CONDSM	17721	0.01	0.12	0.0	7.0
R4CONDSM	16293	0.01	0.15	0.0	8.0
R5CONDSM	19314	0.01	0.13	0.0	7.0
R6CONDSM	17938	0.01	0.17	0.0	8.0
R7CONDSM	16657	0.01	0.20	0.0	8.0
R8CONDSM	18261	0.02	0.19	0.0	8.0
R9CONDSM	17074	0.02	0.20	0.0	8.0

R10CONDSM	15595	0.02	0.21	0.0	8.0
R11CONDSM	20223	0.02	0.19	0.0	8.0
R12CONDSM	18570	0.02	0.21	0.0	8.0
S2CONDSM	8740	0.00	0.05	0.0	2.0
S3CONDSM	11675	0.00	0.11	0.0	7.0
S4CONDSM	10474	0.01	0.14	0.0	7.0
S5CONDSM	12483	0.01	0.11	0.0	7.0
S6CONDSM	11429	0.01	0.17	0.0	8.0
S7CONDSM	10487	0.01	0.17	0.0	8.0
S8CONDSM	11536	0.01	0.16	0.0	8.0
S9CONDSM	10507	0.01	0.18	0.0	8.0
S10CONDSM	9417	0.01	0.19	0.0	8.0
S11CONDSM	12175	0.01	0.17	0.0	8.0
S12CONDSM	10864	0.02	0.17	0.0	8.0
R2CONDSF	19642	0.04	0.23	0.0	4.0
R3CONDSF	17991	0.19	0.46	0.0	5.0
R4CONDSF	21384	0.11	0.36	0.0	4.0
R5CONDSF	19579	0.12	0.36	0.0	4.0
R6CONDSF	18165	0.10	0.33	0.0	3.0
R7CONDSF	20129	0.10	0.33	0.0	3.0
R8CONDSF	18469	0.10	0.33	0.0	4.0
R9CONDSF	17217	0.10	0.33	0.0	3.0
R10CONDSF	22034	0.07	0.27	0.0	6.0
R11CONDSF	20554	0.08	0.30	0.0	5.0
R12CONDSF	18748	0.06	0.27	0.0	3.0
S2CONDSF	13088	0.05	0.23	0.0	3.0
S3CONDSF	11915	0.18	0.45	0.0	5.0
S4CONDSF	13978	0.10	0.34	0.0	3.0
S5CONDSF	12730	0.11	0.35	0.0	4.0
S6CONDSF	11639	0.10	0.32	0.0	3.0
S7CONDSF	12972	0.09	0.31	0.0	3.0
S8CONDSF	11735	0.09	0.31	0.0	3.0
S9CONDSF	10646	0.09	0.31	0.0	3.0
S10CONDSF	13513	0.06	0.26	0.0	4.0
S11CONDSF	12488	0.07	0.27	0.0	4.0
S12CONDSF	11031	0.05	0.24	0.0	3.0
R2CONDSP	11423	0.00	0.00	0.0	0.0
R3CONDSP	17721	0.02	0.14	0.0	1.0
R4CONDSP	16293	0.04	0.23	0.0	2.0
R5CONDSP	19314	0.03	0.24	0.0	3.0
R6CONDSP	17938	0.06	0.34	0.0	4.0
R7CONDSP	16657	0.05	0.33	0.0	5.0
R8CONDSP	18261	0.04	0.30	0.0	6.0
R9CONDSP	17074	0.05	0.35	0.0	7.0
R10CONDSP	15595	0.07	0.44	0.0	8.0
R11CONDSP	20223	0.04	0.33	0.0	9.0
R12CONDSP	18570	0.04	0.30	0.0	8.0
S2CONDSP	8740	0.00	0.00	0.0	0.0
S3CONDSP	11675	0.02	0.14	0.0	1.0
S4CONDSP	10474	0.03	0.22	0.0	2.0
S5CONDSP	12483	0.03	0.21	0.0	3.0
S6CONDSP	11429	0.05	0.30	0.0	4.0
S7CONDSP	10487	0.04	0.32	0.0	5.0
S8CONDSP	11536	0.03	0.27	0.0	6.0

S9CONDSP	10507	0.04	0.28	0.0	7.0
S10CONDSP	9417	0.06	0.41	0.0	8.0
S11CONDSP	12175	0.03	0.29	0.0	9.0
S12CONDSP	10864	0.03	0.23	0.0	6.0

Categorical Variable Codes

Value	R2HIBPS	R3HIBPS	R4HIBPS	R5HIBPS	R6HIBPS	R7HIBPS
.D=DK/NA	4	4	8	6	9	12
.M=Oth missing		10	12	14	19	18
.P=No prev IW	8219	270	5091	265	227	3472
.R=RF				1		1
0.No	11029	17072	15555	18400	16923	15763
1.Yes	390	635	718	893	987	863

Value	R8HIBPS	R9HIBPS	R10HIBPS	R11HIBPS	R12HIBPS
.D=DK/NA	19	15	23	23	19
.M=Oth missing	19	19	22	28	40
.P=No prev IW	208	143	6439	331	178
.R=RF		4	1	2	2
0.No	17290	16157	14765	19325	17807
1.Yes	933	879	784	845	702

Value	S2HIBPS	S3HIBPS	S4HIBPS	S5HIBPS	S6HIBPS	S7HIBPS
.D=DK/NA	3	2	4	2	3	3
.M=Oth missing		4	4	6	9	10
.P=No prev IW	4348	240	3504	247	210	2485
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8443	11290	10006	11882	10798	9946
1.Yes	294	379	460	593	619	528

Value	S8HIBPS	S9HIBPS	S10HIBPS	S11HIBPS	S12HIBPS
.D=DK/NA	4	6	8	12	8
.M=Oth missing	8	6	10	15	24
.P=No prev IW	199	139	4096	313	167
.R=RF		3	1	2	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10918	9963	8927	11626	10430
1.Yes	606	529	471	520	401

Value	R2DIABS	R3DIABS	R4DIABS	R5DIABS	R6DIABS	R7DIABS
.D=DK/NA	5	8	7	3	4	13
.M=Oth missing		12	17	17	19	18
.P=No prev IW	8219	270	5091	265	227	3472
.R=RF		2		3	1	1
0.No	11224	17359	15953	18866	17382	16199
1.Yes	194	340	316	425	532	426

Value	R8DIABS	R9DIABS	R10DIABS	R11DIABS	R12DIABS
.D=DK/NA	14	11	16	13	26
.M=Oth missing	21	24	26	31	32
.P=No prev IW	208	143	6439	331	178
.R=RF	2	3	3		2
0.No	17706	16593	15022	19637	18037
1.Yes	518	443	528	542	473

Value	S2DIABS	S3DIABS	S4DIABS	S5DIABS	S6DIABS	S7DIABS
.D=DK/NA	2	4	1	1	2	5
.M=Oth missing		5	6	7	10	11
.P=No prev IW	4348	240	3504	247	210	2485
.R=RF				1		
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8603	11452	10279	12192	11073	10202
1.Yes	135	214	188	282	344	269

Value	S8DIABS	S9DIABS	S10DIABS	S11DIABS	S12DIABS
.D=DK/NA	5	4	3	6	8
.M=Oth missing	10	11	10	14	12
.P=No prev IW	199	139	4096	313	167
.R=RF	1	1	1		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11199	10212	9073	11847	10568
1.Yes	321	279	330	308	275

Value	R2CANCRS	R3CANCRS	R4CANCRS	R5CANCRS	R6CANCRS	R7CANCRS
.D=DK/NA	6	7	10	8	5	12
.M=Oth missing		9	17	23	28	26
.P=No prev IW	8219	270	5091	265	227	3472
.R=RF	2	3	1	4	1	2
0.No	11276	17355	15884	18871	17437	16226
1.Yes	139	347	381	408	467	391

Value	R8CANCRS	R9CANCRS	R10CANCRS	R11CANCRS	R12CANCRS
.D=DK/NA	12	8	15	10	19
.M=Oth missing	35	37	39	46	42
.P=No prev IW	208	143	6439	331	178
.R=RF	2	3	1	2	1
0.No	17797	16615	15121	19734	18122
1.Yes	415	411	419	431	386

Value	S2CANCRS	S3CANCRS	S4CANCRS	S5CANCRS	S6CANCRS	S7CANCRS
.D=DK/NA	3	6	3	2	4	6
.M=Oth missing		5	10	12	13	14
.P=No prev IW	4348	240	3504	247	210	2485
.R=RF	2	1	1	1	1	
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8628	11431	10213	12209	11118	10217
1.Yes	107	232	247	259	293	250

Value	S8CANCRS	S9CANCRS	S10CANCRS	S11CANCRS	S12CANCRS
.D=DK/NA	6	5	8	6	8
.M=Oth missing	17	16	17	23	19
.P=No prev IW	199	139	4096	313	167
.R=RF	1	2	1		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11255	10233	9123	11889	10590
1.Yes	257	251	268	257	246

Value	R2LUNGS	R3LUNGS	R4LUNGS	R5LUNGS	R6LUNGS	R7LUNGS
.D=DK/NA	2	1	4	6	8	7
.M=Oth missing		7	7	6	12	17
.P=No prev IW	8219	270	5091	265	227	3472
.R=RF	1	1		3	1	2
0.No	11267	17512	16023	19012	17614	16335
1.Yes	153	200	259	287	303	296

Value	R8LUNGS	R9LUNGS	R10LUNGS	R11LUNGS	R12LUNGS
.D=DK/NA	16	6	10	6	14
.M=Oth missing	18	25	22	24	16
.P=No prev IW	208	143	6439	331	178
.R=RF	2	3	1	1	1
0.No	17930	16737	15253	19854	18228
1.Yes	295	303	309	338	311

Value	S2LUNGS	S3LUNGS	S4LUNGS	S5LUNGS	S6LUNGS	S7LUNGS
.D=DK/NA	2	1	2	2	4	2
.M=Oth missing		5	6	5	8	12
.P=No prev IW	4348	240	3504	247	210	2485
.R=RF	1			1	1	
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8630	11549	10326	12298	11262	10297
1.Yes	107	120	140	177	154	176

Value	S8LUNGS	S9LUNGS	S10LUNGS	S11LUNGS	S12LUNGS
.D=DK/NA	7	4	2	2	5
.M=Oth missing	8	9	7	12	6
.P=No prev IW	199	139	4096	313	167
.R=RF	1	2	1		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11350	10328	9252	11991	10695
1.Yes	170	164	155	170	157

Value	R2HEARTS	R3HEARTS	R4HEARTS	R5HEARTS	R6HEARTS	R7HEARTS
.D=DK/NA	1	1	7	2	9	13
.M=Oth missing		6	7	10	10	17
.P=No prev IW	8219	270	5091	265	227	3472
.R=RF		1		2	1	1
0.No	11168	17113	15714	18682	17251	15989
1.Yes	254	600	565	618	667	637

Value	R8HEARTS	R9HEARTS	R10HEARTS	R11HEARTS	R12HEARTS
.D=DK/NA	12	7	8	12	27
.M=Oth missing	24	27	22	24	25
.P=No prev IW	208	143	6439	331	178
.R=RF	2	3	2	2	2
0.No	17588	16465	14875	19543	17903
1.Yes	635	572	688	642	613

Value	S2HEARTS	S3HEARTS	S4HEARTS	S5HEARTS	S6HEARTS	S7HEARTS
.D=DK/NA			3	1	4	6
.M=Oth missing		2	3	5	7	10
.P=No prev IW	4348	240	3504	247	210	2485
.R=RF				1	1	
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8547	11311	10113	12112	11034	10111
1.Yes	193	362	355	364	383	360

Value	S8HEARTS	S9HEARTS	S10HEARTS	S11HEARTS	S12HEARTS
.D=DK/NA	3	4	3	5	11
.M=Oth missing	11	10	11	14	13
.P=No prev IW	199	139	4096	313	167
.R=RF	1	2	1	1	1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11152	10156	9024	11809	10512
1.Yes	369	335	378	346	327

Value	R2STROKS	R3STROKS	R4STROKS	R5STROKS	R6STROKS	R7STROKS
.D=DK/NA	1	3	5	1	7	5
.M=Oth missing		4	7	5	9	11
.P=No prev IW	8219	270	5091	265	227	3472
.R=RF		2		4	1	1
0.No	11347	17361	15948	18939	17553	16327
1.Yes	75	351	333	365	368	313

Value	R8STROKS	R9STROKS	R10STROKS	R11STROKS	R12STROKS
.D=DK/NA	11	6	4	9	14
.M=Oth missing	11	15	16	17	19
.P=No prev IW	208	143	6439	331	178
.R=RF	2	3	2	1	3
0.No	17909	16748	15217	19850	18236
1.Yes	328	302	356	346	298

Value	S2STROKS	S3STROKS	S4STROKS	S5STROKS	S6STROKS	S7STROKS
.D=DK/NA		2	2	1	1	2
.M=Oth missing		3	5	3	6	7
.P=No prev IW	4348	240	3504	247	210	2485
.R=RF				1	1	
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8694	11488	10306	12289	11238	10332
1.Yes	46	182	161	189	183	146

Value	S8STROKS	S9STROKS	S10STROKS	S11STROKS	S12STROKS
.D=DK/NA	5	2	1	4	4
.M=Oth missing	6	7	9	11	9
.P=No prev IW	199	139	4096	313	167
.R=RF	1	2	1		2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11356	10355	9229	11995	10705
1.Yes	168	141	177	165	144

Value	R2PSYCHS	R3PSYCHS	R4PSYCHS	R5PSYCHS	R6PSYCHS	R7PSYCHS
.D=DK/NA		3	5	4	4	9
.M=Oth missing		6	7	6	9	13
.P=No prev IW	8219	270	5091	265	227	3472
.R=RF	3	1		1	2	2
0.No	11204	17316	15954	18937	17498	16272
1.Yes	216	395	327	366	425	361

Value	R8PSYCHS	R9PSYCHS	R10PSYCHS	R11PSYCHS	R12PSYCHS
.D=DK/NA	11	7	14	10	12
.M=Oth missing	21	23	24	34	30
.P=No prev IW	208	143	6439	331	178
.R=RF	3	3	2	3	7
0.No	17768	16682	15209	19719	18146
1.Yes	458	359	346	457	375

Value	S2PSYCHS	S3PSYCHS	S4PSYCHS	S5PSYCHS	S6PSYCHS	S7PSYCHS
.D=DK/NA			4	2	1	4
.M=Oth missing		4	4	4	5	6
.P=No prev IW	4348	240	3504	247	210	2485
.R=RF	2				1	1
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8590	11457	10307	12271	11200	10288
1.Yes	148	214	159	206	222	188

Value	S8PSYCHS	S9PSYCHS	S10PSYCHS	S11PSYCHS	S12PSYCHS
.D=DK/NA	7	4	4	3	4
.M=Oth missing	13	14	14	17	14
.P=No prev IW	199	139	4096	313	167
.R=RF	2	2	1		2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11250	10296	9216	11915	10651
1.Yes	264	191	182	240	193

Value	R2ARTHRS	R3ARTHRS	R4ARTHRS	R5ARTHRS	R6ARTHRS	R7ARTHRS
.D=DK/NA	4	1	7	7	13	11
.M=Oth missing		9	5	8	17	26
.P=No prev IW	8219	270	5091	265	227	3472
.R=RF		1		3	1	1
0.No	10768	15293	15187	18269	16929	15851
1.Yes	651	2417	1094	1027	978	768

Value	R8ARTHRS	R9ARTHRS	R10ARTHRS	R11ARTHRS	R12ARTHRS
.D=DK/NA	4	7	14	10	13
.M=Oth missing	24	13	16	26	20
.P=No prev IW	208	143	6439	331	178
.R=RF	1	4	2	1	4
0.No	17467	16324	14892	19323	17745
1.Yes	765	726	671	863	788

Value	S2ARTHRS	S3ARTHRS	S4ARTHRS	S5ARTHRS	S6ARTHRS	S7ARTHRS
.D=DK/NA	3	1	3	5	8	7
.M=Oth missing		5	4	6	12	17
.P=No prev IW	4348	240	3504	247	210	2485
.R=RF				1	1	
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.No	8241	10347	9796	11805	10754	9955
1.Yes	496	1322	671	666	654	508

Value	S8ARTHRS	S9ARTHRS	S10ARTHRS	S11ARTHRS	S12ARTHRS
.D=DK/NA	1	4	8	4	7
.M=Oth missing	16	7	11	16	10
.P=No prev IW	199	139	4096	313	167
.R=RF		2	1		1
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11008	10019	8970	11626	10381
1.Yes	511	475	427	529	465

Value	R2CONDSP	R3CONDSP	R4CONDSP	R5CONDSP	R6CONDSP	R7CONDSP
.P=No prv IW	8219	270	5091	265	227	3472
0.Used IW-1	11423	17354	15761	18859	17225	16204
1.Used IW-2		367	413	298	485	276
2.Used IW-3			119	114	120	87
3.Used IW-4				43	71	47
4.Used IW-5					37	27
5.Used IW-6						16

Value	R8CONDSP	R9CONDSP	R10CONDSP	R11CONDSP	R12CONDSP
.P=No prv IW	208	143	6439	331	178
0.Used IW-1	17823	16493	15031	19783	18076
1.Used IW-2	255	405	292	258	365
2.Used IW-3	114	91	139	89	73
3.Used IW-4	39	53	60	56	26
4.Used IW-5	17	16	39	17	17
5.Used IW-6	9	5	18	7	4
6.Used IW-7	4	6	11	3	5
7.Used IW-8		5	2	4	3
8.Used IW-9			3	4	1
9.Used IW-10				2	

Value	S2CONDSP	S3CONDSP	S4CONDSP	S5CONDSP	S6CONDSP	S7CONDSP
.P=No prv IW	4348	240	3504	247	210	2485
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.Used IW-1	8740	11433	10178	12239	11042	10260
1.Used IW-2		242	229	164	279	133
2.Used IW-3			67	62	55	43
3.Used IW-4				18	38	22
4.Used IW-5					15	16
5.Used IW-6						13

Value	S8CONDSP	S9CONDSP	S10CONDSP	S11CONDSP	S12CONDSP
.P=No prv IW	199	139	4096	313	167
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Used IW-1	11318	10234	9115	11938	10630
1.Used IW-2	121	201	154	145	176
2.Used IW-3	64	41	80	44	36
3.Used IW-4	21	17	32	33	12
4.Used IW-5	8	8	23	11	9
5.Used IW-6		5	6	2	
6.Used IW-7	4		5		1
7.Used IW-8		1			
8.Used IW-9			2		
9.Used IW-10				2	

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" earlier in this document.

RwHIBPS, RwDIABS, RwCANCRS, RwLUNGS, RwHEARTS, RwSTROKS, RwPSYCHS, and RwARTHRS indicate if the Respondent has reported the onset of a condition since the last interview to which he/she responded. They are set to "yes" only if the condition is new since last interview, that is, the Respondent reported not having the condition at the last interview but says he/she has it now.

RwCONDS is the count of the new individual conditions. RwCONDSM counts the number of missing values among the individual conditions, and RwCONDSF counts the number of values that were changed due to disputes. RwCONDSP tells which prior interview was used.

SwHIBPS, SwDIABS, SwCANCRS, SwLUNGS, SwHEARTS, SwSTROKS, SwPSYCHS, SwARTHRS, SwCONDS, SwCONDSP, SwCONDSM, and SwCONDSF are this information for the Respondent's spouse or partner.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwCONDSP indicates if there are any missed interviews prior to the current, and if so, how many. In other words, it indicates how far back the previous interview is, from which the change is measured. Its codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews;

change = current - [current-4]; 4) missed the four previous interviews; change = current - [current-5]; 4) missed the five previous interviews; change = current - [current-6]; 9) either the current or previous interview measure is missing, so change is missing.

Please see the section on "Doctor-diagnosed Conditions" earlier in this section for a description of related "ever had" variables, the raw HRS variables, and cross-wave differences.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3CONDS is taken from the Wave 3 spouse's R3CONDS.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Change in Health: Memory-related disease

Wave	Variable	Label	Type
5	R5MEMRYS	R5MEMRYS:W5 R had memory prob snce last IW	Categ
6	R6MEMRYS	R6MEMRYS:W6 R had memory prob snce last IW	Categ
7	R7MEMRYS	R7MEMRYS:W7 R had memory prob snce last IW	Categ
8	R8MEMRYS	R8MEMRYS:W8 R had memory prob snce last IW	Categ
9	R9MEMRYS	R9MEMRYS:W9 R had memory prob snce last IW	Categ
5	S5MEMRYS	S5MEMRYS:W5 S had memory prob snce last IW	Categ
6	S6MEMRYS	S6MEMRYS:W6 S had memory prob snce last IW	Categ
7	S7MEMRYS	S7MEMRYS:W7 S had memory prob snce last IW	Categ
8	S8MEMRYS	S8MEMRYS:W8 S had memory prob snce last IW	Categ
9	S9MEMRYS	S9MEMRYS:W9 S had memory prob snce last IW	Categ
11	R11ALZHES	R11ALZHES:W11 R had Alzheimer onset snce last IW	Categ
12	R12ALZHES	R12ALZHES:W12 R had Alzheimer onset snce last IW	Categ
11	S11ALZHES	S11ALZHES:W11 S had Alzheimer onset snce last IW	Categ
12	S12ALZHES	S12ALZHES:W12 S had Alzheimer onset snce last IW	Categ
11	R11DEMENS	R11DEMENS:W11 R had dementia onset snce last IW	Categ
12	R12DEMENS	R12DEMENS:W12 R had dementia onset snce last IW	Categ
11	S11DEMENS	S11DEMENS:W11 S had dementia onset snce last IW	Categ
12	S12DEMENS	S12DEMENS:W12 S had dementia onset snce last IW	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5MEMRYS	18845	0.02	0.13	0.0	1.0
R6MEMRYS	17693	0.02	0.14	0.0	1.0
R7MEMRYS	16552	0.02	0.15	0.0	1.0
R8MEMRYS	18211	0.02	0.13	0.0	1.0
R9MEMRYS	13107	0.06	0.24	0.0	1.0
S5MEMRYS	12231	0.01	0.11	0.0	1.0
S6MEMRYS	11315	0.01	0.11	0.0	1.0
S7MEMRYS	10432	0.01	0.12	0.0	1.0
S8MEMRYS	11516	0.01	0.12	0.0	1.0
S9MEMRYS	7804	0.04	0.20	0.0	1.0
R11ALZHES	19710	0.01	0.08	0.0	1.0
R12ALZHES	18378	0.01	0.08	0.0	1.0
S11ALZHES	11910	0.00	0.06	0.0	1.0
S12ALZHES	10784	0.00	0.07	0.0	1.0
R11DEMENS	19408	0.01	0.11	0.0	1.0
R12DEMENS	18094	0.01	0.11	0.0	1.0
S11DEMENS	11802	0.01	0.09	0.0	1.0
S12DEMENS	10694	0.01	0.10	0.0	1.0

Categorical Variable Codes

Value	R5MEMRYS	R6MEMRYS	R7MEMRYS
.D=DK/NA	6	11	13
.P=No prev IW	728	460	3563
.R=RF		1	1
0.No	18518	17355	16177
1.Yes	327	338	375

Value	R8MEMRYS	R9MEMRYS
.D=DK/NA	14	12
.M=Oth missing	1	4
.P=No prev IW	239	4092
.R=RF	4	2
0.No	17873	12309
1.Yes	338	798

Value	S5MEMRYS	S6MEMRYS	S7MEMRYS
.D=DK/NA	5	3	4
.P=No prev IW	494	320	2536
.R=RF		1	
.U=Unmarried	6538	6306	6777
.V=Spouse NR	311	220	380
0.No	12088	11181	10279
1.Yes	143	134	153

Value	S8MEMRYS	S9MEMRYS
.D=DK/NA	6	3
.M=Oth missing		2
.P=No prev IW	211	2836
.R=RF	2	1
.U=Unmarried	6417	6206
.V=Spouse NR	317	365
0.No	11357	7482
1.Yes	159	322

Value	R11ALZHES	R12ALZHES
.D=DK/NA	10	15
.M=Oth missing	422	160
.P=No prev IW	410	193
.R=RF	2	2
0.No	19578	18253
1.Yes	132	125

Value	S11ALZHES	S12ALZHES
.D=DK/NA	3	5
.M=Oth missing	218	71
.P=No prev IW	357	170
.R=RF		1
.U=Unmarried	7474	7123
.V=Spouse NR	592	594
0.No	11860	10736
1.Yes	50	48

Value	R11DEMENS	R12DEMENS
.D=DK/NA	12	23
.M=Oth missing	718	435
.P=No prev IW	410	193
.R=RF	6	3
0.No	19187	17858
1.Yes	221	236

Value	S11DEMENS	S12DEMENS
.D=DK/NA	3	6
.M=Oth missing	325	160
.P=No prev IW	357	170
.R=RF	1	1
.U=Unmarried	7474	7123
.V=Spouse NR	592	594
0.No	11713	10594
1.Yes	89	100

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" earlier in this document.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

RwMEMRYS indicates if the Respondent has reported the onset of a memory-related disease since the last interview to which he/she responded. RwALZHES indicates if the Respondent has reported the onset of a Alzheimer's disease since the last interview to which he/she responded. RwDEMENS indicates if the Respondent has reported the onset of dementia since the last interview to which he/she responded. The variables are set to "yes" only if the condition is new since last interview, that is, the Respondent reported not having the condition at the last interview but says he/she has it now.

RwMEMRYS, RwALZHES, and RwDEMENS are included with the Change in Health variables along with those for other doctor-diagnosed health conditions, but is NOT included in the sum of those, i.e., RwCONDS. The question about memory-related disease is first asked in Wave 4, so RwMEMRYS begins in Wave 5. The questions about Alzheimer's and

dementia begin in Wave 10, so RwALZHES and RwDEMENS begin in Wave 11.

SwMEMRYS, SwALZHES, and SwDEMENS are the information for the Respondent's spouse. It is taken from the Wave "w" spouse's self-reported information, e.g., S5MEMRYS is taken from the Wave 5 spouse's R5MEMRYS.

Please see the section on "Doctor-diagnosed Conditions: Memory-related disease" earlier in this section for a description of related "ever had" variables, the raw HRS variables, and cross-wave differences.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive this change-in-health variable for a description of cross-wave differences in the raw HRS data.

Imputed Cognition: Number Series Score

Wave	Variable	Label	Type
10	R10NSSCRE	R10NSSCRE:W10 R Calculated number series score	Cont
10	S10NSSCRE	S10NSSCRE:W10 S Calculated number series score	Cont
10	R10NSSCSE	R10NSSCSE:W10 R Calculated number series score-SE	Cont
10	S10NSSCSE	S10NSSCSE:W10 S Calculated number series score-SE	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R10NSSCRE	19098	494.04	44.24	390.2	579.6
S10NSSCRE	11904	499.01	43.02	390.2	579.6
R10NSSCSE	19098	14.52	7.70	7.8	38.2
S10NSSCSE	11904	14.13	7.42	7.8	38.2

How Constructed

From the HRS documentation: "Number Series measures quantitative reasoning, a specific type of fluid cognitive ability or fluid intelligence. Quantitative reasoning ability involves reasoning with concepts that depend upon mathematical relationships. The number series task requires the Respondent to look at a series of numbers with a number missing from the series. The Respondent must determine the numerical pattern, and then provide the missing number in the series.

The HRS Number Series task is a 6-item block-adaptive test. "Block-adaptive" refers to the skip pattern among the items during test administration. The Number Series is based on two lists of 15 items. The 15 items are grouped into five sets or "blocks" of three items, grouped by item difficulty level. Item difficulty level refers to the probability that a Respondent will answer the item correctly. All Respondents are asked the same first three items, which consist of an easier item, a moderately difficult item, and a more difficult item. Based on the number of items answered correctly in the first block of three items, Respondents are then asked one of 4 remaining sets of three items: the easiest set, a somewhat easy set, a more difficult set, or a most difficult set. A score for the second set is then calculated.

The total score, RwNSSCRE, is a calculated score that takes into account which blocks of items were asked (i.e., the difficulty level of the items presented in terms of the probability that a Respondent will answer correctly) and the number of items answered correctly in each block. This calculated score is a standardized score called a W-score, comparable to the W-scores in the Woodcock-Johnson III (WJIII) test battery on which this task was based. The W-score metric was developed by scaling to a mean of 500 in the WJIII norming sample. Scores in the HRS 2010 range from 390.2 to 579.6, where higher scores indicate better performance on the number series task. RwNSSCSE is the standard error of the number series score. The value indicates the measurement precision of the total score."

These variables are only available in Wave 10. NSSCRE is taken directly from the HRS variable RwMNSSCORE, and RwNSSCSE is taken directly from the HRS variable MNSSCORESE.

Imputed Cognition: Status and Flags

Wave	Variable	Label	Type
1	R1STATUS	R1STATUS:W1 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
2	R2STATUS	R2STATUS:W2 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
3	R3STATUS	R3STATUS:W3 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
4	R4STATUS	R4STATUS:W4 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
5	R5STATUS	R5STATUS:W5 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
6	R6STATUS	R6STATUS:W6 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
7	R7STATUS	R7STATUS:W7 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
8	R8STATUS	R8STATUS:W8 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
9	R9STATUS	R9STATUS:W9 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
10	R10STATUS	R10STATUS:W10 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
11	R11STATUS	R11STATUS:W11 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
1	S1STATUS	S1STATUS:W1 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
2	S2STATUS	S2STATUS:W2 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
3	S3STATUS	S3STATUS:W3 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
4	S4STATUS	S4STATUS:W4 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
5	S5STATUS	S5STATUS:W5 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
6	S6STATUS	S6STATUS:W6 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
7	S7STATUS	S7STATUS:W7 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
8	S8STATUS	S8STATUS:W8 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
9	S9STATUS	S9STATUS:W9 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
10	S10STATUS	S10STATUS:W10 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
11	S11STATUS	S11STATUS:W11 STATUS: IMPUTATION ELIGIBILITY STATUS	Categ
2	R2FLAG	R2FLAG: 93 AHEAD OR 94 HRS	Categ
3	R3FLAG	R3FLAG: 95 AHEAD OR 96 HRS	Categ
2	S2FLAG	S2FLAG: 93 AHEAD OR 94 HRS	Categ
3	S3FLAG	S3FLAG: 95 AHEAD OR 96 HRS	Categ
4	R4NOTICS	R4NOTICS:W4 NOT ASKED TICS ITEMS	Categ
5	R5NOTICS	R5NOTICS:W5 NOT ASKED TICS ITEMS	Categ
6	R6NOTICS	R6NOTICS:W6 NOT ASKED TICS ITEMS	Categ
7	R7NOTICS	R7NOTICS:W7 NOT ASKED TICS ITEMS	Categ
8	R8NOTICS	R8NOTICS:W8 NOT ASKED TICS ITEMS	Categ
9	R9NOTICS	R9NOTICS:W9 NOT ASKED TICS ITEMS	Categ
10	R10NOTICS	R10NOTICS:W10 NOT ASKED TICS ITEMS	Categ
11	R11NOTICS	R11NOTICS:W11 NOT ASKED TICS ITEMS	Categ
4	S4NOTICS	S4NOTICS:W4 NOT ASKED TICS ITEMS	Categ
5	S5NOTICS	S5NOTICS:W5 NOT ASKED TICS ITEMS	Categ
6	S6NOTICS	S6NOTICS:W6 NOT ASKED TICS ITEMS	Categ
7	S7NOTICS	S7NOTICS:W7 NOT ASKED TICS ITEMS	Categ
8	S8NOTICS	S8NOTICS:W8 NOT ASKED TICS ITEMS	Categ
9	S9NOTICS	S9NOTICS:W9 NOT ASKED TICS ITEMS	Categ
10	S10NOTICS	S10NOTICS:W10 NOT ASKED TICS ITEMS	Categ
11	S11NOTICS	S11NOTICS:W11 NOT ASKED TICS ITEMS	Categ
7	R7NOVOC	R7NOVOC:W7 NOT ASKED VOCABULARY	Categ
8	R8NOVOC	R8NOVOC:W8 NOT ASKED VOCABULARY	Categ
9	R9NOVOC	R9NOVOC:W9 NOT ASKED VOCABULARY	Categ
10	R10NOVOC	R10NOVOC:W10 NOT ASKED VOCABULARY	Categ
11	R11NOVOC	R11NOVOC:W11 NOT ASKED VOCABULARY	Categ
7	S7NOVOC	S7NOVOC:W7 NOT ASKED VOCABULARY	Categ
8	S8NOVOC	S8NOVOC:W8 NOT ASKED VOCABULARY	Categ
9	S9NOVOC	S9NOVOC:W9 NOT ASKED VOCABULARY	Categ
10	S10NOVOC	S10NOVOC:W10 NOT ASKED VOCABULARY	Categ
11	S11NOVOC	S11NOVOC:W11 NOT ASKED VOCABULARY	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1STATUS	28911	2.17	0.98	1.0	3.0
R2STATUS	29015	1.73	0.95	1.0	3.0
R3STATUS	29015	1.84	0.97	1.0	3.0
R4STATUS	29015	1.62	0.90	1.0	3.0
R5STATUS	29015	1.74	0.94	1.0	3.0
R6STATUS	29015	1.83	0.96	1.0	3.0
R7STATUS	29015	1.69	0.92	1.0	3.0
R8STATUS	29015	1.78	0.96	1.0	3.0
R9STATUS	29015	1.88	0.98	1.0	3.0
R10STATUS	29015	1.99	0.98	1.0	3.0
R11STATUS	29015	2.07	0.98	1.0	4.0
S1STATUS	9673	1.07	0.31	1.0	3.0
S2STATUS	12906	1.10	0.38	1.0	3.0
S3STATUS	11817	1.11	0.38	1.0	3.0
S4STATUS	13946	1.13	0.40	1.0	3.0
S5STATUS	12610	1.12	0.38	1.0	3.0
S6STATUS	11518	1.12	0.37	1.0	3.0
S7STATUS	12851	1.10	0.35	1.0	3.0
S8STATUS	11643	1.08	0.33	1.0	3.0
S9STATUS	10501	1.09	0.36	1.0	3.0
S10STATUS	9330	1.11	0.40	1.0	3.0
S11STATUS	8376	1.12	0.42	1.0	4.0
R2FLAG	18073	93.59	0.49	93.0	94.0
R3FLAG	16351	95.63	0.48	95.0	96.0
S2FLAG	11936	93.68	0.47	93.0	94.0
S3FLAG	10804	95.71	0.46	95.0	96.0
R4NOTICS	21384	0.33	0.47	0.0	1.0
R5NOTICS	19579	0.41	0.49	0.0	1.0
R6NOTICS	18166	0.36	0.48	0.0	1.0
R7NOTICS	20129	0.26	0.44	0.0	1.0
R8NOTICS	18469	0.36	0.48	0.0	1.0
R9NOTICS	17217	0.32	0.47	0.0	1.0
R10NOTICS	22034	0.21	0.41	0.0	1.0
R11NOTICS	20554	0.45	0.50	0.0	1.0
S4NOTICS	13978	0.36	0.48	0.0	1.0
S5NOTICS	12730	0.46	0.50	0.0	1.0
S6NOTICS	11639	0.41	0.49	0.0	1.0
S7NOTICS	12972	0.30	0.46	0.0	1.0
S8NOTICS	11735	0.42	0.49	0.0	1.0
S9NOTICS	10646	0.37	0.48	0.0	1.0
S10NOTICS	13513	0.24	0.43	0.0	1.0
S11NOTICS	12488	0.47	0.50	0.0	1.0
R7NOVOC	20129	0.75	0.43	0.0	1.0
R8NOVOC	18469	0.36	0.48	0.0	1.0
R9NOVOC	17217	0.93	0.26	0.0	1.0
R10NOVOC	22034	0.21	0.41	0.0	1.0
R11NOVOC	20554	0.92	0.27	0.0	1.0
S7NOVOC	12972	0.73	0.44	0.0	1.0
S8NOVOC	11735	0.42	0.49	0.0	1.0

S9NOVOC	10646	0.93	0.26	0.0	1.0
S10NOVOC	13513	0.24	0.43	0.0	1.0
S11NOVOC	12488	0.92	0.28	0.0	1.0

Categorical Variable Codes

Value	R1STATUS	R2STATUS	R3STATUS	R4STATUS	R5STATUS	R6STATUS	R7STATUS
.C=Hrs-Ahd ovrlap	124	16	16	16	16	16	16
.X=NR or Proxy all IW	8460	8464	8464	8464	8464	8464	8464
1.Cog meas	11883	18073	16351	19341	17517	16129	18327
2.Proxy IW	360	748	1045	1477	1621	1674	1409
3.Non-resp	16668	10194	11619	8197	9877	11212	9279

Value	R8STATUS	R9STATUS	R10STATUS	R11STATUS
.C=Hrs-Ahd ovrlap	16	16	16	16
.X=NR or Proxy all IW	8464	8464	8464	8464
1.Cog meas	17209	15856	14123	13089
2.Proxy IW	931	908	1064	856
3.Non-resp	10875	12251	13828	15069
4				1

Value	S1STATUS	S2STATUS	S3STATUS	S4STATUS	S5STATUS	S6STATUS	S7STATUS
.C=Hrs-Ahd ovrlap	121						
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.X=NR or Proxy all IW	485	766	516	569	431	341	501
1.Cog meas	9166	11936	10804	12571	11320	10280	11769
2.Proxy IW	343	644	722	1003	1066	1081	869
3.Non-resp	164	326	291	372	224	157	213

Value	S8STATUS	S9STATUS	S10STATUS	S11STATUS
.U=Unmarried	6417	6206	7799	7474
.X=NR or Proxy all IW	409	510	4905	4704
1.Cog meas	10943	9781	8528	7683
2.Proxy IW	499	464	535	398
3.Non-resp	201	256	267	294
4				1

Value	R2FLAG	R3FLAG
.S=Proxy IW	748	1045
.X=NR or Proxy all IW	821	595
93.Ahead W2	7382	
94.HRS W2	10691	
95.Ahead W3		6126
96.HRS W3		10225

Value	S2FLAG	S3FLAG
.S=Proxy IW	644	722
.U=Unmarried	5970	5658
.V=Spouse NR	584	418
.X=NR or Proxy all IW	508	389
93.Ahead W2	3866	
94.HRS W2	8070	
95.Ahead W3		3183
96.HRS W3		7621

Value	R4NOTICS	R5NOTICS	R6NOTICS	R7NOTICS
0.Asked	14373	11566	11647	14885
1.Not asked	7011	8013	6519	5244

Value	R8NOTICS	R9NOTICS	R10NOTICS	R11NOTICS
0.Asked	11777	11658	17413	11397
1.Not asked	6692	5559	4621	9157

Value	S4NOTICS	S5NOTICS	S6NOTICS	S7NOTICS
.U=Unmarried	6869	6538	6306	6777
.V=Spouse NR	537	311	220	380
0.Asked	8888	6835	6858	9138
1.Not asked	5090	5895	4781	3834

Value	S8NOTICS	S9NOTICS	S10NOTICS	S11NOTICS
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
0.Asked	6863	6696	10294	6573
1.Not asked	4872	3950	3219	5915

Value	R7NOVOC
0.Asked	5063
1.Not asked	15066

Value	R8NOVOC	R9NOVOC	R10NOVOC	R11NOVOC
0.Asked	11777	1264	17413	1610
1.Not asked	6692	15953	4621	18944

Value	S7NOVOC
.U=Unmarried	6777
.V=Spouse NR	380
0.Asked	3481
1.Not asked	9491

Value	S8NOVOC	S9NOVOC	S10NOVOC	S11NOVOC
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
0.Asked	6863	779	10294	1046
1.Not asked	4872	9867	3219	11442

How Constructed

These variables indicate whether and/or which cognitive functioning measures are provided. RwSTATUS indicates the overall status; RwFLAG indicates the interview year that applies for Waves 2-3; RwNOTICS flags cases not asked the TICS questions from Wave 4 forward; and RwNOVOC flags cases not asked the vocabulary questions from Wave 7 forward.

RwSTATUS has a value of "1" if cognition measures are provided, "2" if they are not because the interview was by proxy, and "3" if they are not because the Respondent did not respond. Special missings have been assigned when the Respondent did not appear in the imputation file from HRS, as follows: .X if there is no non-proxy interview across all waves, and .C if missing because the Respondent is an HRS-AHEAD overlap case. Except for Wave 1, a .C in RwSTATUS indicates HRS-AHEAD overlap cases that had a non-proxy interview in Wave 1, but never responded in AHEAD.

In Wave 1, HRS-AHEAD overlap cases are treated as non-responders in that wave in the imputation file. For these cases, if there is no non-proxy interview including Wave 1, we set R1STATUS to .X. Otherwise, R1STATUS is set to .C.

R2FLAG has values of 93 or 94, and R3FLAG has values of 95 or 96. These indicate the interview years that were used to derive the measures. 93/95 include members of the AHEAD cohort, while 94/96 include members of the HRS cohort.

From Wave 4 forward, Respondents 65 and older who had a prior interview skipped the date, object, and President/Vice-president naming and vocabulary tasks. RwNOTICS is set to "1" if the Respondent skipped these tasks based on age and re-interview status, and "0" if the Respondent was asked to perform them.

From Wave 7 forward, the vocabulary questions appear to be asked in alternate years. They are not asked in Wave 7. RwNOVOC is set to "1" if the Respondent skipped the vocabulary questions based on age, re-interview status, and alternate year settings, and "0" if the Respondent was asked to perform the vocabulary task.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the

Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The SwSTATUS, SwFLAG, SwNOTICS, and SwNOVOC variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names RwNOTICS and RwNOVOC have been shortened from RwNOTASKTICS and RwNOTASKVOC in the original HRS imputation file to conform to the current 8-character limit.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Imputed Cognition: Self-reported Memory

Wave	Variable	Label	Type
1	R1SLFMEM	R1SLFMEM: W1 SELF RATED MEMORY	Categ
2	R2SLFMEM	R2SLFMEM: W2 SELF RATED MEMORY	Categ
3	R3SLFMEM	R3SLFMEM: W3 SELF RATED MEMORY	Categ
4	R4SLFMEM	R4SLFMEM: W4 SELF RATED MEMORY	Categ
5	R5SLFMEM	R5SLFMEM: W5 SELF RATED MEMORY	Categ
6	R6SLFMEM	R6SLFMEM: W6 SELF RATED MEMORY	Categ
7	R7SLFMEM	R7SLFMEM: W7 SELF RATED MEMORY	Categ
8	R8SLFMEM	R8SLFMEM: W8 SELF RATED MEMORY	Categ
9	R9SLFMEM	R9SLFMEM: W9 SELF RATED MEMORY	Categ
10	R10SLFMEM	R10SLFMEM: W10 SELF RATED MEMORY	Categ
11	R11SLFMEM	R11SLFMEM: W11 SELF RATED MEMORY	Categ
1	S1SLFMEM	S1SLFMEM: W1 SELF RATED MEMORY	Categ
2	S2SLFMEM	S2SLFMEM: W2 SELF RATED MEMORY	Categ
3	S3SLFMEM	S3SLFMEM: W3 SELF RATED MEMORY	Categ
4	S4SLFMEM	S4SLFMEM: W4 SELF RATED MEMORY	Categ
5	S5SLFMEM	S5SLFMEM: W5 SELF RATED MEMORY	Categ
6	S6SLFMEM	S6SLFMEM: W6 SELF RATED MEMORY	Categ
7	S7SLFMEM	S7SLFMEM: W7 SELF RATED MEMORY	Categ
8	S8SLFMEM	S8SLFMEM: W8 SELF RATED MEMORY	Categ
9	S9SLFMEM	S9SLFMEM: W9 SELF RATED MEMORY	Categ
10	S10SLFMEM	S10SLFMEM: W10 SELF RATED MEMORY	Categ
11	S11SLFMEM	S11SLFMEM: W11 SELF RATED MEMORY	Categ
1	R1FSLFME	R1FSLFME:W1 IMPFLAG: SELF RATED MEMORY	Categ
2	R2FSLFME	R2FSLFME:W2 IMPFLAG: SELF RATED MEMORY	Categ
3	R3FSLFME	R3FSLFME:W3 IMPFLAG: SELF RATED MEMORY	Categ
4	R4FSLFME	R4FSLFME:W4 IMPFLAG: SELF RATED MEMORY	Categ
5	R5FSLFME	R5FSLFME:W5 IMPFLAG: SELF RATED MEMORY	Categ
6	R6FSLFME	R6FSLFME:W6 IMPFLAG: SELF RATED MEMORY	Categ
7	R7FSLFME	R7FSLFME:W7 IMPFLAG: SELF RATED MEMORY	Categ
8	R8FSLFME	R8FSLFME:W8 IMPFLAG: SELF RATED MEMORY	Categ
9	R9FSLFME	R9FSLFME:W9 IMPFLAG: SELF RATED MEMORY	Categ
10	R10FSLFME	R10FSLFME:W10 IMPFLAG: SELF RATED MEMORY	Categ
11	R11FSLFME	R11FSLFME:W11 IMPFLAG: SELF RATED MEMORY	Categ
1	S1FSLFME	S1FSLFME:W1 IMPFLAG: SELF RATED MEMORY	Categ
2	S2FSLFME	S2FSLFME:W2 IMPFLAG: SELF RATED MEMORY	Categ
3	S3FSLFME	S3FSLFME:W3 IMPFLAG: SELF RATED MEMORY	Categ
4	S4FSLFME	S4FSLFME:W4 IMPFLAG: SELF RATED MEMORY	Categ
5	S5FSLFME	S5FSLFME:W5 IMPFLAG: SELF RATED MEMORY	Categ
6	S6FSLFME	S6FSLFME:W6 IMPFLAG: SELF RATED MEMORY	Categ
7	S7FSLFME	S7FSLFME:W7 IMPFLAG: SELF RATED MEMORY	Categ
8	S8FSLFME	S8FSLFME:W8 IMPFLAG: SELF RATED MEMORY	Categ
9	S9FSLFME	S9FSLFME:W9 IMPFLAG: SELF RATED MEMORY	Categ
10	S10FSLFME	S10FSLFME:W10 IMPFLAG: SELF RATED MEMORY	Categ
11	S11FSLFME	S11FSLFME:W11 IMPFLAG: SELF RATED MEMORY	Categ
1	R1PSTMEM	R1PSTMEM: W1 MEMORY COMPARED TO PAST	Categ
2	R2PSTMEM	R2PSTMEM: W2 MEMORY COMPARED TO PAST	Categ
3	R3PSTMEM	R3PSTMEM: W3 MEMORY COMPARED TO PAST	Categ
4	R4PSTMEM	R4PSTMEM: W4 MEMORY COMPARED TO PAST	Categ
5	R5PSTMEM	R5PSTMEM: W5 MEMORY COMPARED TO PAST	Categ
6	R6PSTMEM	R6PSTMEM: W6 MEMORY COMPARED TO PAST	Categ
7	R7PSTMEM	R7PSTMEM: W7 MEMORY COMPARED TO PAST	Categ
8	R8PSTMEM	R8PSTMEM: W8 MEMORY COMPARED TO PAST	Categ
9	R9PSTMEM	R9PSTMEM: W9 MEMORY COMPARED TO PAST	Categ
10	R10PSTMEM	R10PSTMEM: W10 MEMORY COMPARED TO PAST	Categ
11	R11PSTMEM	R11PSTMEM: W11 MEMORY COMPARED TO PAST	Categ
1	S1PSTMEM	S1PSTMEM: W1 MEMORY COMPARED TO PAST	Categ
2	S2PSTMEM	S2PSTMEM: W2 MEMORY COMPARED TO PAST	Categ
3	S3PSTMEM	S3PSTMEM: W3 MEMORY COMPARED TO PAST	Categ
4	S4PSTMEM	S4PSTMEM: W4 MEMORY COMPARED TO PAST	Categ
5	S5PSTMEM	S5PSTMEM: W5 MEMORY COMPARED TO PAST	Categ
6	S6PSTMEM	S6PSTMEM: W6 MEMORY COMPARED TO PAST	Categ

7	S7PSTMEM	S7PSTMEM: W7 MEMORY COMPARED TO PAST	Categ
8	S8PSTMEM	S8PSTMEM: W8 MEMORY COMPARED TO PAST	Categ
9	S9PSTMEM	S9PSTMEM: W9 MEMORY COMPARED TO PAST	Categ
10	S10PSTMEM	S10PSTMEM: W10 MEMORY COMPARED TO PAST	Categ
11	S11PSTMEM	S11PSTMEM: W11 MEMORY COMPARED TO PAST	Categ
1	R1FPSTME	R1FPSTME:W1 IMPFLAG: MEMORY COMPARED TO PAST	Categ
2	R2FPSTME	R2FPSTME:W2 IMPFLAG: MEMORY COMPARED TO PAST	Categ
3	R3FPSTME	R3FPSTME:W3 IMPFLAG: MEMORY COMPARED TO PAST	Categ
4	R4FPSTME	R4FPSTME:W4 IMPFLAG: MEMORY COMPARED TO PAST	Categ
5	R5FPSTME	R5FPSTME:W5 IMPFLAG: MEMORY COMPARED TO PAST	Categ
6	R6FPSTME	R6FPSTME:W6 IMPFLAG: MEMORY COMPARED TO PAST	Categ
7	R7FPSTME	R7FPSTME:W7 IMPFLAG: MEMORY COMPARED TO PAST	Categ
8	R8FPSTME	R8FPSTME:W8 IMPFLAG: MEMORY COMPARED TO PAST	Categ
9	R9FPSTME	R9FPSTME:W9 IMPFLAG: MEMORY COMPARED TO PAST	Categ
10	R10FPSTME	R10FPSTME:W10 IMPFLAG: MEMORY COMPARED TO PAST	Categ
11	R11FPSTME	R11FPSTME:W11 IMPFLAG: MEMORY COMPARED TO PAST	Categ
1	S1FPSTME	S1FPSTME:W1 IMPFLAG: MEMORY COMPARED TO PAST	Categ
2	S2FPSTME	S2FPSTME:W2 IMPFLAG: MEMORY COMPARED TO PAST	Categ
3	S3FPSTME	S3FPSTME:W3 IMPFLAG: MEMORY COMPARED TO PAST	Categ
4	S4FPSTME	S4FPSTME:W4 IMPFLAG: MEMORY COMPARED TO PAST	Categ
5	S5FPSTME	S5FPSTME:W5 IMPFLAG: MEMORY COMPARED TO PAST	Categ
6	S6FPSTME	S6FPSTME:W6 IMPFLAG: MEMORY COMPARED TO PAST	Categ
7	S7FPSTME	S7FPSTME:W7 IMPFLAG: MEMORY COMPARED TO PAST	Categ
8	S8FPSTME	S8FPSTME:W8 IMPFLAG: MEMORY COMPARED TO PAST	Categ
9	S9FPSTME	S9FPSTME:W9 IMPFLAG: MEMORY COMPARED TO PAST	Categ
10	S10FPSTME	S10FPSTME:W10 IMPFLAG: MEMORY COMPARED TO PAST	Categ
11	S11FPSTME	S11FPSTME:W11 IMPFLAG: MEMORY COMPARED TO PAST	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SLFMEM	11883	2.44	1.03	1.0	5.0
R2SLFMEM	18073	2.68	1.03	1.0	5.0
R3SLFMEM	16351	2.97	0.97	1.0	5.0
R4SLFMEM	19341	2.88	0.96	1.0	5.0
R5SLFMEM	17517	2.93	0.93	1.0	5.0
R6SLFMEM	16129	2.96	0.92	1.0	5.0
R7SLFMEM	18327	2.99	0.97	1.0	5.0
R8SLFMEM	17209	3.00	0.96	1.0	5.0
R9SLFMEM	16077	3.01	0.94	1.0	5.0
R10SLFMEM	20652	2.94	0.96	1.0	5.0
R11SLFMEM	19407	3.00	0.95	1.0	5.0
S1SLFMEM	9166	2.42	1.01	1.0	5.0
S2SLFMEM	11936	2.62	1.01	1.0	5.0
S3SLFMEM	10804	2.97	0.95	1.0	5.0
S4SLFMEM	12571	2.87	0.93	1.0	5.0
S5SLFMEM	11320	2.91	0.92	1.0	5.0
S6SLFMEM	10280	2.93	0.90	1.0	5.0
S7SLFMEM	11769	2.96	0.95	1.0	5.0
S8SLFMEM	10943	2.97	0.94	1.0	5.0
S9SLFMEM	9989	2.98	0.92	1.0	5.0
S10SLFMEM	12696	2.91	0.95	1.0	5.0
S11SLFMEM	11838	2.96	0.94	1.0	5.0
R1FSLFME	11883	0.01	0.08	0.0	1.0
R2FSLFME	18073	0.00	0.05	0.0	1.0
R3FSLFME	16351	0.00	0.03	0.0	1.0
R4FSLFME	19341	0.00	0.03	0.0	1.0

R5FSLFME	17517	0.00	0.04	0.0	1.0
R6FSLFME	16129	0.00	0.03	0.0	1.0
R7FSLFME	18327	0.00	0.06	0.0	1.0
R8FSLFME	17209	0.00	0.04	0.0	1.0
R9FSLFME	16077	0.00	0.03	0.0	1.0
R10FSLFME	20652	0.00	0.03	0.0	1.0
R11FSLFME	19407	0.00	0.03	0.0	1.0
S1FSLFME	9166	0.00	0.06	0.0	1.0
S2FSLFME	11936	0.00	0.04	0.0	1.0
S3FSLFME	10804	0.00	0.03	0.0	1.0
S4FSLFME	12571	0.00	0.03	0.0	1.0
S5FSLFME	11320	0.00	0.03	0.0	1.0
S6FSLFME	10280	0.00	0.03	0.0	1.0
S7FSLFME	11769	0.00	0.05	0.0	1.0
S8FSLFME	10943	0.00	0.03	0.0	1.0
S9FSLFME	9989	0.00	0.02	0.0	1.0
S10FSLFME	12696	0.00	0.03	0.0	1.0
S11FSLFME	11838	0.00	0.04	0.0	1.0
R1PSTMEM	11883	2.04	0.46	1.0	3.0
R2PSTMEM	18073	2.07	0.41	1.0	3.0
R3PSTMEM	16351	2.16	0.44	1.0	3.0
R4PSTMEM	19341	2.16	0.44	1.0	3.0
R5PSTMEM	17517	2.15	0.42	1.0	3.0
R6PSTMEM	16129	2.18	0.43	1.0	3.0
R7PSTMEM	18327	2.20	0.47	1.0	3.0
R8PSTMEM	17209	2.20	0.46	1.0	3.0
R9PSTMEM	16077	2.20	0.46	1.0	3.0
R10PSTMEM	20652	2.19	0.48	1.0	3.0
R11PSTMEM	19407	2.17	0.45	1.0	3.0
S1PSTMEM	9166	2.04	0.45	1.0	3.0
S2PSTMEM	11936	2.07	0.40	1.0	3.0
S3PSTMEM	10804	2.16	0.43	1.0	3.0
S4PSTMEM	12571	2.16	0.43	1.0	3.0
S5PSTMEM	11320	2.15	0.41	1.0	3.0
S6PSTMEM	10280	2.19	0.43	1.0	3.0
S7PSTMEM	11769	2.21	0.46	1.0	3.0
S8PSTMEM	10943	2.20	0.44	1.0	3.0
S9PSTMEM	9989	2.19	0.45	1.0	3.0
S10PSTMEM	12696	2.20	0.47	1.0	3.0
S11PSTMEM	11838	2.17	0.44	1.0	3.0
R1FPSTME	11883	0.01	0.07	0.0	1.0
R2FPSTME	18073	0.00	0.05	0.0	1.0
R3FPSTME	16351	0.00	0.03	0.0	1.0
R4FPSTME	19341	0.00	0.04	0.0	1.0
R5FPSTME	17517	0.00	0.04	0.0	1.0
R6FPSTME	16129	0.00	0.04	0.0	1.0
R7FPSTME	18327	0.00	0.06	0.0	1.0
R8FPSTME	17209	0.00	0.04	0.0	1.0
R9FPSTME	16077	0.00	0.05	0.0	1.0
R10FPSTME	20652	0.00	0.04	0.0	1.0
R11FPSTME	19407	0.00	0.04	0.0	1.0
S1FPSTME	9166	0.00	0.06	0.0	1.0
S2FPSTME	11936	0.00	0.04	0.0	1.0
S3FPSTME	10804	0.00	0.03	0.0	1.0

S4FPSTME	12571	0.00	0.03	0.0	1.0
S5FPSTME	11320	0.00	0.04	0.0	1.0
S6FPSTME	10280	0.00	0.05	0.0	1.0
S7FPSTME	11769	0.00	0.06	0.0	1.0
S8FPSTME	10943	0.00	0.04	0.0	1.0
S9FPSTME	9989	0.00	0.04	0.0	1.0
S10FPSTME	12696	0.00	0.04	0.0	1.0
S11FPSTME	11838	0.00	0.04	0.0	1.0

Categorical Variable Codes

Value	R1SLFMEM	R2SLFMEM	R3SLFMEM	R4SLFMEM	R5SLFMEM	R6SLFMEM	R7SLFMEM
.C=HRS-AHD ovrlap	119						
.S=Proxy IW	360	748	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	290	821	595	566	441	362	393
1.Excellent	2297	2430	1150	1514	1069	814	1170
2.Very good	4265	5439	3671	4787	4224	3994	4241
3.Good	3505	6456	6942	8336	7766	7059	7553
4.Fair	1474	3025	3703	3911	3730	3556	4401
5.Poor	342	723	885	793	728	706	962

Value	R8SLFMEM	R9SLFMEM	R10SLFMEM	R11SLFMEM
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
1.Excellent	991	833	1403	1093
2.Very good	3981	3718	5094	4590
3.Good	7186	6875	8511	8011
4.Fair	4139	3793	4681	4740
5.Poor	912	858	963	973

Value	S1SLFMEM	S2SLFMEM	S3SLFMEM	S4SLFMEM	S5SLFMEM	S6SLFMEM	S7SLFMEM
.C=HRS-AHD ovrlap	116						
.S=Proxy IW	343	644	722	1003	1066	1081	869
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.X=NR or Proxy all IW	275	508	389	404	344	278	334
1.Excellent	1762	1668	699	924	690	529	746
2.Very good	3353	3828	2459	3182	2816	2594	2809
3.Good	2721	4208	4687	5514	5057	4630	4930
4.Fair	1094	1853	2420	2504	2343	2133	2739
5.Poor	236	379	539	447	414	394	545

Value	S8SLFMEM	S9SLFMEM	S10SLFMEM	S11SLFMEM
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
1.Excellent	636	496	830	659
2.Very good	2600	2403	3268	2921
3.Good	4673	4376	5282	4984
4.Fair	2518	2253	2804	2747
5.Poor	516	461	512	527

Value	R1FSLFME	R2FSLFME	R3FSLFME	R4FSLFME	R5FSLFME	R6FSLFME	R7FSLFME
.C=HRS-AHD ovrlap	119						
.S=Proxy IW	360	748	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	290	821	595	566	441	362	393
0.Not imputed	11813	18028	16336	19318	17493	16111	18267
1.Imputed	70	45	15	23	24	18	60

Value	R8FSLFME	R9FSLFME	R10FSLFME	R11FSLFME
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	17186	16063	20631	19389
1.Imputed	23	14	21	18

Value	S1FSLFME	S2FSLFME	S3FSLFME	S4FSLFME	S5FSLFME	S6FSLFME	S7FSLFME
.C=HRS-AHD ovrlap	116						
.S=Proxy IW	343	644	722	1003	1066	1081	869
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.X=NR or Proxy all IW	275	508	389	404	344	278	334
0.Not imputed	9130	11919	10797	12559	11309	10269	11736
1.Imputed	36	17	7	12	11	11	33

Value	S8FSLFME	S9FSLFME	S10FSLFME	S11FSLFME
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	10934	9983	12682	11823
1.Imputed	9	6	14	15

Value	R1PSTMEM	R2PSTMEM	R3PSTMEM	R4PSTMEM	R5PSTMEM	R6PSTMEM	R7PSTMEM
.C=HRS-AHD ovrlap	119						
.S=Proxy IW	360	748	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	290	821	595	566	441	362	393
1.Better	1064	928	486	542	421	306	546
2.Same	9314	14886	12796	15143	14002	12553	13503
3.Worse	1505	2259	3069	3656	3094	3270	4278

Value	R8PSTMEM	R9PSTMEM	R10PSTMEM	R11PSTMEM
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
1.Better	404	427	749	658
2.Same	12929	12042	15156	14870
3.Worse	3876	3608	4747	3879

Value	S1PSTMEM	S2PSTMEM	S3PSTMEM	S4PSTMEM	S5PSTMEM	S6PSTMEM	S7PSTMEM
.C=HRS-AHD ovrlap	116						
.S=Proxy IW	343	644	722	1003	1066	1081	869
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.X=NR or Proxy all IW	275	508	389	404	344	278	334
1.Better	720	572	245	310	247	165	288
2.Same	7327	9971	8561	9894	9132	8048	8755
3.Worse	1119	1393	1998	2367	1941	2067	2726

Value	S8PSTMEM	S9PSTMEM	S10PSTMEM	S11PSTMEM
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
1.Better	218	228	376	336
2.Same	8360	7612	9414	9200
3.Worse	2365	2149	2906	2302

Value	R1FPSTME	R2FPSTME	R3FPSTME	R4FPSTME	R5FPSTME	R6FPSTME	R7FPSTME
.C=HRS-AHD ovrlap	119						
.S=Proxy IW	360	748	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	290	821	595	566	441	362	393
0.Not imputed	11817	18032	16332	19311	17482	16101	18252
1.Imputed	66	41	19	30	35	28	75

Value	R8FPSTME	R9FPSTME	R10FPSTME	R11FPSTME
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	17176	16042	20612	19374
1.Imputed	33	35	40	33

Value	S1FPSTME	S2FPSTME	S3FPSTME	S4FPSTME	S5FPSTME	S6FPSTME	S7FPSTME
.C=HRS-AHD ovrlap	116						
.S=Proxy IW	343	644	722	1003	1066	1081	869
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.X=NR or Proxy all IW	275	508	389	404	344	278	334
0.Not imputed	9133	11921	10795	12560	11301	10259	11727
1.Imputed	33	15	9	11	19	21	42

Value	S8FPSTME	S9FPSTME	S10FPSTME	S11FPSTME
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	10922	9974	12676	11822
1.Imputed	21	15	20	16

How Constructed

RwSLFMEM provides self-reported general rating of memory, and RwPSTMEM provides a self-reported measure of change in memory since the last interview or over the last two years.

RwSLFMEM ranges from 1 for excellent to 5 for poor memory. RwPSTMEM ranges from 1 for better to 3 for worse.

RwFSLFME and RwFPSTME indicate whether the values were imputed (=1) or not (=0).

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwSLFMEM, SwFSLFME, SwPSTMEM, and SwFPSTME are taken from the Wave "w" spouse's value for RwSLFMEM, RwFSLFME, RwPSTMEM, and RwFPSTME, respectively.

Note that the variable names RwFSLFME and RwFPSTME have been shortened from RwFSLFMEM and RwFPSTMEM in the original HRS imputation file to conform to the current 8-character limit.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the questions used for current memory and comparison to the past asked:

"How would you rate your ability to think quickly at the present time?"

And: "Compared with 2 years ago, how would you rate your ability to think quickly? Would you say it is much better now, soumewhat better, about the same, somewhat worse, or much worse than it was then?"

In all other waves the wording was different, i.e.:

"How would you rate your memory at the present time?"

And: "Compared with (previous wave interview/two years ago), would you say your memory is better now, about the same, or worse than it was then?"

Imputed Cognition: Immediate Word Recall

Wave	Variable	Label	Type
1	R1IMRC20	R1IMRC20: W1 IMMEDIATE WORD RECALL	Cont
1	S1IMRC20	S1IMRC20: W1 IMMEDIATE WORD RECALL	Cont
2	R2AIMR10	R2AIMR10:W2 IMMEDIATE WORD RECALL-AHD93	Cont
2	S2AIMR10	S2AIMR10:W2 IMMEDIATE WORD RECALL-AHD93	Cont
2	R2HIMR20	R2HIMR20:W2 IMMEDIATE WORD RECALL-HRS94	Cont
2	S2HIMR20	S2HIMR20:W2 IMMEDIATE WORD RECALL-HRS94	Cont
3	R3IMRC	R3IMRC: W3 IMMEDIATE WORD RECALL	Cont
4	R4IMRC	R4IMRC: W4 IMMEDIATE WORD RECALL	Cont
5	R5IMRC	R5IMRC: W5 IMMEDIATE WORD RECALL	Cont
6	R6IMRC	R6IMRC: W6 IMMEDIATE WORD RECALL	Cont
7	R7IMRC	R7IMRC: W7 IMMEDIATE WORD RECALL	Cont
8	R8IMRC	R8IMRC: W8 IMMEDIATE WORD RECALL	Cont
9	R9IMRC	R9IMRC: W9 IMMEDIATE WORD RECALL	Cont
10	R10IMRC	R10IMRC: W10 IMMEDIATE WORD RECALL	Cont
11	R11IMRC	R11IMRC: W11 IMMEDIATE WORD RECALL	Cont
3	S3IMRC	S3IMRC: W3 IMMEDIATE WORD RECALL	Cont
4	S4IMRC	S4IMRC: W4 IMMEDIATE WORD RECALL	Cont
5	S5IMRC	S5IMRC: W5 IMMEDIATE WORD RECALL	Cont
6	S6IMRC	S6IMRC: W6 IMMEDIATE WORD RECALL	Cont
7	S7IMRC	S7IMRC: W7 IMMEDIATE WORD RECALL	Cont
8	S8IMRC	S8IMRC: W8 IMMEDIATE WORD RECALL	Cont
9	S9IMRC	S9IMRC: W9 IMMEDIATE WORD RECALL	Cont
10	S10IMRC	S10IMRC: W10 IMMEDIATE WORD RECALL	Cont
11	S11IMRC	S11IMRC: W11 IMMEDIATE WORD RECALL	Cont
1	R1FIMRC	R1FIMRC: W1 IMPFLAG: IMMEDIATE WORD RECALL	Categ
2	R2FIMRC	R2FIMRC: W2 IMPFLAG: IMMEDIATE WORD RECALL	Categ
3	R3FIMRC	R3FIMRC: W3 IMPFLAG: IMMEDIATE WORD RECALL	Categ
4	R4FIMRC	R4FIMRC: W4 IMPFLAG: IMMEDIATE WORD RECALL	Categ
5	R5FIMRC	R5FIMRC: W5 IMPFLAG: IMMEDIATE WORD RECALL	Categ
6	R6FIMRC	R6FIMRC: W6 IMPFLAG: IMMEDIATE WORD RECALL	Categ
7	R7FIMRC	R7FIMRC: W7 IMPFLAG: IMMEDIATE WORD RECALL	Categ
8	R8FIMRC	R8FIMRC: W8 IMPFLAG: IMMEDIATE WORD RECALL	Categ
9	R9FIMRC	R9FIMRC: W9 IMPFLAG: IMMEDIATE WORD RECALL	Categ
10	R10FIMRC	R10FIMRC: W10 IMPFLAG: IMMEDIATE WORD RECALL	Categ
11	R11FIMRC	R11FIMRC: W11 IMPFLAG: IMMEDIATE WORD RECALL	Categ
1	S1FIMRC	S1FIMRC: W1 IMPFLAG: IMMEDIATE WORD RECALL	Categ
2	S2FIMRC	S2FIMRC: W2 IMPFLAG: IMMEDIATE WORD RECALL	Categ
3	S3FIMRC	S3FIMRC: W3 IMPFLAG: IMMEDIATE WORD RECALL	Categ
4	S4FIMRC	S4FIMRC: W4 IMPFLAG: IMMEDIATE WORD RECALL	Categ
5	S5FIMRC	S5FIMRC: W5 IMPFLAG: IMMEDIATE WORD RECALL	Categ
6	S6FIMRC	S6FIMRC: W6 IMPFLAG: IMMEDIATE WORD RECALL	Categ
7	S7FIMRC	S7FIMRC: W7 IMPFLAG: IMMEDIATE WORD RECALL	Categ
8	S8FIMRC	S8FIMRC: W8 IMPFLAG: IMMEDIATE WORD RECALL	Categ
9	S9FIMRC	S9FIMRC: W9 IMPFLAG: IMMEDIATE WORD RECALL	Categ
10	S10FIMRC	S10FIMRC: W10 IMPFLAG: IMMEDIATE WORD RECALL	Categ
11	S11FIMRC	S11FIMRC: W11 IMPFLAG: IMMEDIATE WORD RECALL	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IMRC20	11883	7.44	2.73	0.0	20.0

S1IMRC20	9166	7.56	2.69	0.0	20.0
R2AIMR10	7382	4.55	1.94	0.0	10.0
S2AIMR10	3866	4.83	1.88	0.0	10.0
R2HIMR20	10691	7.91	3.17	0.0	20.0
S2HIMR20	8070	8.01	3.12	0.0	20.0
R3IMRC	16351	5.54	1.88	0.0	10.0
R4IMRC	19341	5.66	1.86	0.0	10.0
R5IMRC	17517	5.47	1.82	0.0	10.0
R6IMRC	16129	5.47	1.76	0.0	10.0
R7IMRC	18327	5.43	1.68	0.0	10.0
R8IMRC	17209	5.39	1.74	0.0	10.0
R9IMRC	16077	5.36	1.72	0.0	10.0
R10IMRC	20652	5.37	1.65	0.0	10.0
R11IMRC	19407	5.32	1.68	0.0	10.0
S3IMRC	10804	5.73	1.80	0.0	10.0
S4IMRC	12571	5.84	1.78	0.0	10.0
S5IMRC	11320	5.64	1.75	0.0	10.0
S6IMRC	10280	5.63	1.71	0.0	10.0
S7IMRC	11769	5.59	1.62	0.0	10.0
S8IMRC	10943	5.56	1.68	0.0	10.0
S9IMRC	9989	5.51	1.67	0.0	10.0
S10IMRC	12696	5.51	1.61	0.0	10.0
S11IMRC	11838	5.47	1.64	0.0	10.0
R1FIMRC	11883	0.02	0.15	0.0	1.0
R2FIMRC	18073	0.04	0.19	0.0	1.0
R3FIMRC	16351	0.01	0.09	0.0	1.0
R4FIMRC	19341	0.01	0.09	0.0	1.0
R5FIMRC	17517	0.01	0.11	0.0	1.0
R6FIMRC	16129	0.02	0.14	0.0	1.0
R7FIMRC	18327	0.01	0.12	0.0	1.0
R8FIMRC	17209	0.01	0.11	0.0	1.0
R9FIMRC	16077	0.01	0.10	0.0	1.0
R10FIMRC	20652	0.01	0.10	0.0	1.0
R11FIMRC	19407	0.01	0.11	0.0	1.0
S1FIMRC	9166	0.02	0.14	0.0	1.0
S2FIMRC	11936	0.03	0.17	0.0	1.0
S3FIMRC	10804	0.01	0.08	0.0	1.0
S4FIMRC	12571	0.01	0.08	0.0	1.0
S5FIMRC	11320	0.01	0.08	0.0	1.0
S6FIMRC	10280	0.02	0.14	0.0	1.0
S7FIMRC	11769	0.01	0.10	0.0	1.0
S8FIMRC	10943	0.01	0.10	0.0	1.0
S9FIMRC	9989	0.01	0.09	0.0	1.0
S10FIMRC	12696	0.01	0.10	0.0	1.0
S11FIMRC	11838	0.01	0.10	0.0	1.0

Value	R1FIMRC	R2FIMRC	R3FIMRC	R4FIMRC	R5FIMRC	R6FIMRC	R7FIMRC
.C=HRS-AHD ovrlap	119						
.S=Proxy IW	360	748	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	290	821	595	566	441	362	393
0.Not imputed	11622	17429	16210	19172	17313	15790	18065
1.Imputed	261	644	141	169	204	339	262

Value	R8FIMRC	R9FIMRC	R10FIMRC	R11FIMRC
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	16997	15919	20443	19166
1.Imputed	212	158	209	241

Value	S1FIMRC	S2FIMRC	S3FIMRC	S4FIMRC	S5FIMRC	S6FIMRC	S7FIMRC
.C=HRS-AHD ovrlap	116						
.S=Proxy IW	343	644	722	1003	1066	1081	869
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.X=NR or Proxy all IW	275	508	389	404	344	278	334
0.Not imputed	8995	11577	10732	12495	11244	10085	11638
1.Imputed	171	359	72	76	76	195	131

Value	S8FIMRC	S9FIMRC	S10FIMRC	S11FIMRC
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	10827	9916	12578	11708
1.Imputed	116	73	118	130

How Constructed

R1IMRC20, R2AIMR10, R2HIMR20, and RwIMRC provide measures for immediate word recall. They are counts of the number of words from a 10 or 20 word list that were recalled correctly.

In Waves 1 and 2H, the word list contained 20 nouns, which could be recalled in any order. In other waves, the list contained 10 words and Respondents were randomly assigned one of four lists, with a different assignment over four interviews and no overlap with the spouse. The variables R1IMRC20, R2HIMR20, and R2AIMR10 are named to indicate this difference in the measures for Waves 1 and 2.

RwFIMRC indicates whether the value was imputed (=1) or not (=0).

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw immediate word recall variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names R2AIMR10 and R2HIMR20 have been shortened from R2AIMRC10 and R2HIMRC20 in the original HRS imputation file to conform to the current 8-character limit.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the word list contained 20 nouns while in other waves 10 nouns were listed. Also in waves other than 1 and 2H, Respondents were randomly assigned one of four non-overlapping lists, with a different list assignment over four interviews. In couple households, each spouse was assigned a different list.

Imputed Cognition: Delayed Word Recall

Wave	Variable	Label	Type
1	R1DLRC20	R1DLRC20: W1 DELAYED WORD RECALL	Cont
1	S1DLRC20	S1DLRC20: W1 DELAYED WORD RECALL	Cont
2	R2ADLR10	R2ADLR10:W2 DELAYED WORD RECALL-AHD93	Cont
2	S2ADLR10	S2ADLR10:W2 DELAYED WORD RECALL-AHD93	Cont
2	R2HDLR20	R2HDLR20:W2 DELAYED WORD RECALL-HRS94	Cont
2	S2HDLR20	S2HDLR20:W2 DELAYED WORD RECALL-HRS94	Cont
3	R3DLRC	R3DLRC: W3 DELAYED WORD RECALL	Cont
4	R4DLRC	R4DLRC: W4 DELAYED WORD RECALL	Cont
5	R5DLRC	R5DLRC: W5 DELAYED WORD RECALL	Cont
6	R6DLRC	R6DLRC: W6 DELAYED WORD RECALL	Cont
7	R7DLRC	R7DLRC: W7 DELAYED WORD RECALL	Cont
8	R8DLRC	R8DLRC: W8 DELAYED WORD RECALL	Cont
9	R9DLRC	R9DLRC: W9 DELAYED WORD RECALL	Cont
10	R10DLRC	R10DLRC: W10 DELAYED WORD RECALL	Cont
11	R11DLRC	R11DLRC: W11 DELAYED WORD RECALL	Cont
3	S3DLRC	S3DLRC: W3 DELAYED WORD RECALL	Cont
4	S4DLRC	S4DLRC: W4 DELAYED WORD RECALL	Cont
5	S5DLRC	S5DLRC: W5 DELAYED WORD RECALL	Cont
6	S6DLRC	S6DLRC: W6 DELAYED WORD RECALL	Cont
7	S7DLRC	S7DLRC: W7 DELAYED WORD RECALL	Cont
8	S8DLRC	S8DLRC: W8 DELAYED WORD RECALL	Cont
9	S9DLRC	S9DLRC: W9 DELAYED WORD RECALL	Cont
10	S10DLRC	S10DLRC: W10 DELAYED WORD RECALL	Cont
11	S11DLRC	S11DLRC: W11 DELAYED WORD RECALL	Cont
1	R1FDLRC	R1FDLRC: W1 IMPFLAG: DELAYED WORD RECALL	Categ
2	R2FDLRC	R2FDLRC: W2 IMPFLAG: DELAYED WORD RECALL	Categ
3	R3FDLRC	R3FDLRC: W3 IMPFLAG: DELAYED WORD RECALL	Categ
4	R4FDLRC	R4FDLRC: W4 IMPFLAG: DELAYED WORD RECALL	Categ
5	R5FDLRC	R5FDLRC: W5 IMPFLAG: DELAYED WORD RECALL	Categ
6	R6FDLRC	R6FDLRC: W6 IMPFLAG: DELAYED WORD RECALL	Categ
7	R7FDLRC	R7FDLRC: W7 IMPFLAG: DELAYED WORD RECALL	Categ
8	R8FDLRC	R8FDLRC: W8 IMPFLAG: DELAYED WORD RECALL	Categ
9	R9FDLRC	R9FDLRC: W9 IMPFLAG: DELAYED WORD RECALL	Categ
10	R10FDLRC	R10FDLRC: W10 IMPFLAG: DELAYED WORD RECALL	Categ
11	R11FDLRC	R11FDLRC: W11 IMPFLAG: DELAYED WORD RECALL	Categ
1	S1FDLRC	S1FDLRC: W1 IMPFLAG: DELAYED WORD RECALL	Categ
2	S2FDLRC	S2FDLRC: W2 IMPFLAG: DELAYED WORD RECALL	Categ
3	S3FDLRC	S3FDLRC: W3 IMPFLAG: DELAYED WORD RECALL	Categ
4	S4FDLRC	S4FDLRC: W4 IMPFLAG: DELAYED WORD RECALL	Categ
5	S5FDLRC	S5FDLRC: W5 IMPFLAG: DELAYED WORD RECALL	Categ
6	S6FDLRC	S6FDLRC: W6 IMPFLAG: DELAYED WORD RECALL	Categ
7	S7FDLRC	S7FDLRC: W7 IMPFLAG: DELAYED WORD RECALL	Categ
8	S8FDLRC	S8FDLRC: W8 IMPFLAG: DELAYED WORD RECALL	Categ
9	S9FDLRC	S9FDLRC: W9 IMPFLAG: DELAYED WORD RECALL	Categ
10	S10FDLRC	S10FDLRC: W10 IMPFLAG: DELAYED WORD RECALL	Categ
11	S11FDLRC	S11FDLRC: W11 IMPFLAG: DELAYED WORD RECALL	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DLRC20	11883	5.40	2.91	0.0	20.0

S1DLRC20	9166	5.56	2.89	0.0	20.0
R2ADLR10	7382	3.16	2.24	0.0	10.0
S2ADLR10	3866	3.49	2.19	0.0	10.0
R2HDLR20	10691	6.03	3.35	0.0	20.0
S2HDLR20	8070	6.14	3.31	0.0	20.0
R3DLRC	16351	4.40	2.27	0.0	10.0
R4DLRC	19341	4.55	2.25	0.0	10.0
R5DLRC	17517	4.41	2.17	0.0	10.0
R6DLRC	16129	4.50	2.11	0.0	10.0
R7DLRC	18327	4.35	2.03	0.0	10.0
R8DLRC	17209	4.33	2.08	0.0	10.0
R9DLRC	16077	4.32	2.05	0.0	10.0
R10DLRC	20652	4.29	1.97	0.0	10.0
R11DLRC	19407	4.27	2.00	0.0	10.0
S3DLRC	10804	4.62	2.18	0.0	10.0
S4DLRC	12571	4.77	2.16	0.0	10.0
S5DLRC	11320	4.63	2.09	0.0	10.0
S6DLRC	10280	4.70	2.03	0.0	10.0
S7DLRC	11769	4.55	1.95	0.0	10.0
S8DLRC	10943	4.55	1.99	0.0	10.0
S9DLRC	9989	4.50	1.98	0.0	10.0
S10DLRC	12696	4.46	1.91	0.0	10.0
S11DLRC	11838	4.47	1.95	0.0	10.0
R1FDLRC	11883	0.03	0.17	0.0	1.0
R2FDLRC	18073	0.05	0.22	0.0	1.0
R3FDLRC	16351	0.02	0.13	0.0	1.0
R4FDLRC	19341	0.02	0.13	0.0	1.0
R5FDLRC	17517	0.02	0.14	0.0	1.0
R6FDLRC	16129	0.04	0.20	0.0	1.0
R7FDLRC	18327	0.02	0.15	0.0	1.0
R8FDLRC	17209	0.02	0.15	0.0	1.0
R9FDLRC	16077	0.02	0.13	0.0	1.0
R10FDLRC	20652	0.03	0.16	0.0	1.0
R11FDLRC	19407	0.03	0.17	0.0	1.0
S1FDLRC	9166	0.03	0.16	0.0	1.0
S2FDLRC	11936	0.04	0.20	0.0	1.0
S3FDLRC	10804	0.01	0.11	0.0	1.0
S4FDLRC	12571	0.01	0.11	0.0	1.0
S5FDLRC	11320	0.01	0.11	0.0	1.0
S6FDLRC	10280	0.03	0.18	0.0	1.0
S7FDLRC	11769	0.02	0.13	0.0	1.0
S8FDLRC	10943	0.02	0.13	0.0	1.0
S9FDLRC	9989	0.01	0.11	0.0	1.0
S10FDLRC	12696	0.02	0.14	0.0	1.0
S11FDLRC	11838	0.02	0.15	0.0	1.0

Categorical Variable Codes

Value	R1FDLRC	R2FDLRC	R3FDLRC	R4FDLRC	R5FDLRC	R6FDLRC	R7FDLRC
.C=HRS-AHD ovrlap	119						
.S=Proxy IW	360	748	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	290	821	595	566	441	362	393
0.Not imputed	11535	17174	16053	19001	17188	15483	17907
1.Imputed	348	899	298	340	329	646	420

Value	R8FDLRC	R9FDLRC	R10FDLRC	R11FDLRC
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	16838	15793	20107	18807
1.Imputed	371	284	545	600

Value	S1FDLRC	S2FDLRC	S3FDLRC	S4FDLRC	S5FDLRC	S6FDLRC	S7FDLRC
.C=HRS-AHD ovrlap	116						
.S=Proxy IW	343	644	722	1003	1066	1081	869
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.X=NR or Proxy all IW	275	508	389	404	344	278	334
0.Not imputed	8933	11437	10660	12421	11184	9925	11564
1.Imputed	233	499	144	150	136	355	205

Value	S8FDLRC	S9FDLRC	S10FDLRC	S11FDLRC
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	10751	9861	12426	11553
1.Imputed	192	128	270	285

How Constructed

R1DLRC20, R2ADLR10, R2HDLR20, and RwDLRC provide measures for delayed word recall. They are counts of the number of words from the 10 or 20 word immediate recall list that were recalled correctly after a delay of about 5 minutes spent answering other survey questions.

In Waves 1 and 2H, the word list contained 20 nouns, which could be recalled in any order. In other waves, the list contained 10 words and Respondents were randomly assigned one of four lists, with a different assignment over four interviews and no overlap with the spouse. The variables R1DLRC20, R2HDLR20, and R2ADLR10 are named to indicate this difference in the measures for Waves 1 and 2.

RwFDLRC indicates whether the value was imputed (=1) or not (=0).

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw delayed word recall variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names R2ADLR10 and R2HDLR20 have been shortened from R2ADLRC10 and R2HDLRC20 in the original HRS imputation file to conform to the current 8-character limit.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the word list contained 20 nouns while in other waves 10 nouns were listed. Also in waves other than 1 and 2H, Respondents were randomly assigned one of four non-overlapping lists, with a different list assignment over four interviews. In couple households, each spouse was assigned a different list.

The questions asked during the five minute period between immediate and delayed word recall tasks varied across waves. Please see the HRS documentation (Wallace et.al.,2005; Fisher et.al., 2009) for a more complete description of the differences.

Imputed Cognition: Serial 7's

Wave	Variable	Label	Type
2	R2SER7	R2SER7: W2 SERIAL 7S	Cont
3	R3SER7	R3SER7: W3 SERIAL 7S	Cont
4	R4SER7	R4SER7: W4 SERIAL 7S	Cont
5	R5SER7	R5SER7: W5 SERIAL 7S	Cont
6	R6SER7	R6SER7: W6 SERIAL 7S	Cont
7	R7SER7	R7SER7: W7 SERIAL 7S	Cont
8	R8SER7	R8SER7: W8 SERIAL 7S	Cont
9	R9SER7	R9SER7: W9 SERIAL 7S	Cont
10	R10SER7	R10SER7: W10 SERIAL 7S	Cont
11	R11SER7	R11SER7: W11 SERIAL 7S	Cont
2	S2SER7	S2SER7: W2 SERIAL 7S	Cont
3	S3SER7	S3SER7: W3 SERIAL 7S	Cont
4	S4SER7	S4SER7: W4 SERIAL 7S	Cont
5	S5SER7	S5SER7: W5 SERIAL 7S	Cont
6	S6SER7	S6SER7: W6 SERIAL 7S	Cont
7	S7SER7	S7SER7: W7 SERIAL 7S	Cont
8	S8SER7	S8SER7: W8 SERIAL 7S	Cont
9	S9SER7	S9SER7: W9 SERIAL 7S	Cont
10	S10SER7	S10SER7: W10 SERIAL 7S	Cont
11	S11SER7	S11SER7: W11 SERIAL 7S	Cont
2	R2FSER7	R2FSER7: W2 IMPFLAG: SERIAL 7S	Categ
3	R3FSER7	R3FSER7: W3 IMPFLAG: SERIAL 7S	Categ
4	R4FSER7	R4FSER7: W4 IMPFLAG: SERIAL 7S	Categ
5	R5FSER7	R5FSER7: W5 IMPFLAG: SERIAL 7S	Categ
6	R6FSER7	R6FSER7: W6 IMPFLAG: SERIAL 7S	Categ
7	R7FSER7	R7FSER7: W7 IMPFLAG: SERIAL 7S	Categ
8	R8FSER7	R8FSER8: W8 IMPFLAG: SERIAL 7S	Categ
9	R9FSER7	R9FSER7: W9 IMPFLAG: SERIAL 7S	Categ
10	R10FSER7	R10FSER7: W10 IMPFLAG: SERIAL 7S	Categ
11	R11FSER7	R11FSER7: W11 IMPFLAG: SERIAL 7S	Categ
2	S2FSER7	S2FSER7: W2 IMPFLAG: SERIAL 7S	Categ
3	S3FSER7	S3FSER7: W3 IMPFLAG: SERIAL 7S	Categ
4	S4FSER7	S4FSER7: W4 IMPFLAG: SERIAL 7S	Categ
5	S5FSER7	S5FSER7: W5 IMPFLAG: SERIAL 7S	Categ
6	S6FSER7	S6FSER7: W6 IMPFLAG: SERIAL 7S	Categ
7	S7FSER7	S7FSER7: W7 IMPFLAG: SERIAL 7S	Categ
8	S8FSER7	S8FSER8: W8 IMPFLAG: SERIAL 7S	Categ
9	S9FSER7	S9FSER7: W9 IMPFLAG: SERIAL 7S	Categ
10	S10FSER7	S10FSER7: W10 IMPFLAG: SERIAL 7S	Categ
11	S11FSER7	S11FSER7: W11 IMPFLAG: SERIAL 7S	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SER7	7382	3.19	1.71	0.0	5.0
R3SER7	16351	3.43	1.70	0.0	5.0
R4SER7	19341	3.47	1.70	0.0	5.0
R5SER7	17517	3.47	1.71	0.0	5.0
R6SER7	16129	3.49	1.73	0.0	5.0
R7SER7	18327	3.53	1.67	0.0	5.0
R8SER7	17209	3.51	1.71	0.0	5.0
R9SER7	16077	3.48	1.70	0.0	5.0
R10SER7	20652	3.40	1.68	0.0	5.0
R11SER7	19407	3.36	1.71	0.0	5.0

S2SER7	3866	3.42	1.63	0.0	5.0
S3SER7	10804	3.61	1.61	0.0	5.0
S4SER7	12571	3.67	1.60	0.0	5.0
S5SER7	11320	3.65	1.62	0.0	5.0
S6SER7	10280	3.68	1.63	0.0	5.0
S7SER7	11769	3.70	1.58	0.0	5.0
S8SER7	10943	3.70	1.61	0.0	5.0
S9SER7	9989	3.67	1.60	0.0	5.0
S10SER7	12696	3.58	1.60	0.0	5.0
S11SER7	11838	3.55	1.62	0.0	5.0
R2FSER7	7382	0.11	0.32	0.0	1.0
R3FSER7	16351	0.04	0.20	0.0	1.0
R4FSER7	19341	0.03	0.18	0.0	1.0
R5FSER7	17517	0.04	0.19	0.0	1.0
R6FSER7	16129	0.03	0.18	0.0	1.0
R7FSER7	18327	0.03	0.18	0.0	1.0
R8FSER7	17209	0.03	0.16	0.0	1.0
R9FSER7	16077	0.03	0.16	0.0	1.0
R10FSER7	20652	0.02	0.13	0.0	1.0
R11FSER7	19407	0.02	0.14	0.0	1.0
S2FSER7	3866	0.08	0.28	0.0	1.0
S3FSER7	10804	0.03	0.17	0.0	1.0
S4FSER7	12571	0.02	0.15	0.0	1.0
S5FSER7	11320	0.02	0.15	0.0	1.0
S6FSER7	10280	0.03	0.16	0.0	1.0
S7FSER7	11769	0.03	0.16	0.0	1.0
S8FSER7	10943	0.02	0.14	0.0	1.0
S9FSER7	9989	0.02	0.14	0.0	1.0
S10FSER7	12696	0.01	0.12	0.0	1.0
S11FSER7	11838	0.02	0.13	0.0	1.0

Categorical Variable Codes

Value	R2FSER7	R3FSER7	R4FSER7	R5FSER7	R6FSER7	R7FSER7
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	6548	15644	18675	16859	15592	17695
1.Imputed	834	707	666	658	537	632

Value	R8FSER7	R9FSER7	R10FSER7	R11FSER7
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	16778	15654	20304	19012
1.Imputed	431	423	348	395

Value	S2FSER7	S3FSER7	S4FSER7	S5FSER7	S6FSER7	S7FSER7
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3541	10471	12268	11042	10022	11459
1.Imputed	325	333	303	278	258	310

Value	S8FSER7	S9FSER7	S10FSER7	S11FSER7
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	10718	9775	12515	11638
1.Imputed	225	214	181	200

How Constructed

RwSER7 provides the number of correct subtractions in the serial 7s test. This test asks the individual to subtract 7 from the prior number, beginning with 100 for five trials. Correct subtractions are based on the prior number given, so that even if one subtraction is incorrect subsequent trials are evaluated on the given (perhaps wrong) answer. Valid scores are 0-5.

RwFSER7 indicates whether the value was imputed (=1) or not (=0).

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2SER7 and R2FSER7 are set to special missing .Q to indicate that it is missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwSER7 is taken from the spouse's value for RwSER7.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

This question was not asked in Waves 1 and 2H, but is included in all other waves.

Imputed Cognition: Backwards Counting

Wave	Variable	Label	Type
2	R2BWC20	R2BWC20: W2 BACKWARDS COUNT FROM 20	Categ
3	R3BWC20	R3BWC20: W3 BACKWARDS COUNT FROM 20	Categ
4	R4BWC20	R4BWC20: W4 BACKWARDS COUNT FROM 20	Categ
5	R5BWC20	R5BWC20: W5 BACKWARDS COUNT FROM 20	Categ
6	R6BWC20	R6BWC20: W6 BACKWARDS COUNT FROM 20	Categ
7	R7BWC20	R7BWC20: W7 BACKWARDS COUNT FROM 20	Categ
8	R8BWC20	R8BWC20: W8 BACKWARDS COUNT FROM 20	Categ
9	R9BWC20	R9BWC20: W9 BACKWARDS COUNT FROM 20	Categ
10	R10BWC20	R10BWC20: W10 BACKWARDS COUNT FROM 20	Categ
11	R11BWC20	R11BWC20: W11 BACKWARDS COUNT FROM 20	Categ
2	S2BWC20	S2BWC20: W2 BACKWARDS COUNT FROM 20	Categ
3	S3BWC20	S3BWC20: W3 BACKWARDS COUNT FROM 20	Categ
4	S4BWC20	S4BWC20: W4 BACKWARDS COUNT FROM 20	Categ
5	S5BWC20	S5BWC20: W5 BACKWARDS COUNT FROM 20	Categ
6	S6BWC20	S6BWC20: W6 BACKWARDS COUNT FROM 20	Categ
7	S7BWC20	S7BWC20: W7 BACKWARDS COUNT FROM 20	Categ
8	S8BWC20	S8BWC20: W8 BACKWARDS COUNT FROM 20	Categ
9	S9BWC20	S9BWC20: W9 BACKWARDS COUNT FROM 20	Categ
10	S10BWC20	S10BWC20: W10 BACKWARDS COUNT FROM 20	Categ
11	S11BWC20	S11BWC20: W11 BACKWARDS COUNT FROM 20	Categ
2	R2FBWC20	R2FBWC20: W2 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	R3FBWC20	R3FBWC20: W3 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
4	R4FBWC20	R4FBWC20: W4 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
5	R5FBWC20	R5FBWC20: W5 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
6	R6FBWC20	R6FBWC20: W6 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
7	R7FBWC20	R7FBWC20: W7 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
8	R8FBWC20	R8FBWC20: W8 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
9	R9FBWC20	R9FBWC20: W9 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
10	R10FBWC20	R10FBWC20: W10 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
11	R11FBWC20	R11FBWC20: W11 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
2	S2FBWC20	S2FBWC20: W2 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	S3FBWC20	S3FBWC20: W3 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
4	S4FBWC20	S4FBWC20: W4 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
5	S5FBWC20	S5FBWC20: W5 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
6	S6FBWC20	S6FBWC20: W6 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
7	S7FBWC20	S7FBWC20: W7 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
8	S8FBWC20	S8FBWC20: W8 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
9	S9FBWC20	S9FBWC20: W9 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
10	S10FBWC20	S10FBWC20: W10 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
11	S11FBWC20	S11FBWC20: W11 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	R3BWC86	R3BWC86: W3 BACKWARDS COUNT FROM 86	Categ
4	R4BWC86	R4BWC86: W4 BACKWARDS COUNT FROM 86	Categ
5	R5BWC86	R5BWC86: W5 BACKWARDS COUNT FROM 86	Categ
6	R6BWC86	R6BWC86: W6 BACKWARDS COUNT FROM 86	Categ
3	S3BWC86	S3BWC86: W3 BACKWARDS COUNT FROM 86	Categ
4	S4BWC86	S4BWC86: W4 BACKWARDS COUNT FROM 86	Categ
5	S5BWC86	S5BWC86: W5 BACKWARDS COUNT FROM 86	Categ
6	S6BWC86	S6BWC86: W6 BACKWARDS COUNT FROM 86	Categ
3	R3FBWC86	R3FBWC86: W3 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
4	R4FBWC86	R4FBWC86: W4 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
5	R5FBWC86	R5FBWC86: W5 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
6	R6FBWC86	R6FBWC86: W6 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
3	S3FBWC86	S3FBWC86: W3 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
4	S4FBWC86	S4FBWC86: W4 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
5	S5FBWC86	S5FBWC86: W5 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
6	S6FBWC86	S6FBWC86: W6 IMPFLAG: BACKWARDS COUNT FROM 86	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2BWC20	7382	1.81	0.55	0.0	2.0
R3BWC20	16351	1.91	0.41	0.0	2.0
R4BWC20	19341	1.91	0.42	0.0	2.0
R5BWC20	17517	1.90	0.43	0.0	2.0
R6BWC20	16129	1.91	0.41	0.0	2.0
R7BWC20	18327	1.89	0.44	0.0	2.0
R8BWC20	17209	1.88	0.47	0.0	2.0
R9BWC20	16077	1.88	0.46	0.0	2.0
R10BWC20	20652	1.85	0.52	0.0	2.0
R11BWC20	19407	1.84	0.53	0.0	2.0
S2BWC20	3866	1.86	0.48	0.0	2.0
S3BWC20	10804	1.93	0.37	0.0	2.0
S4BWC20	12571	1.92	0.38	0.0	2.0
S5BWC20	11320	1.92	0.39	0.0	2.0
S6BWC20	10280	1.93	0.37	0.0	2.0
S7BWC20	11769	1.91	0.41	0.0	2.0
S8BWC20	10943	1.90	0.44	0.0	2.0
S9BWC20	9989	1.91	0.42	0.0	2.0
S10BWC20	12696	1.87	0.48	0.0	2.0
S11BWC20	11838	1.86	0.51	0.0	2.0
R2FBWC20	7382	0.02	0.15	0.0	1.0
R3FBWC20	16351	0.02	0.12	0.0	1.0
R4FBWC20	19341	0.01	0.09	0.0	1.0
R5FBWC20	17517	0.01	0.09	0.0	1.0
R6FBWC20	16129	0.01	0.09	0.0	1.0
R7FBWC20	18327	0.01	0.09	0.0	1.0
R8FBWC20	17209	0.01	0.08	0.0	1.0
R9FBWC20	16077	0.01	0.07	0.0	1.0
R10FBWC20	20652	0.00	0.06	0.0	1.0
R11FBWC20	19407	0.00	0.06	0.0	1.0
S2FBWC20	3866	0.02	0.13	0.0	1.0
S3FBWC20	10804	0.01	0.10	0.0	1.0
S4FBWC20	12571	0.00	0.07	0.0	1.0
S5FBWC20	11320	0.01	0.07	0.0	1.0
S6FBWC20	10280	0.01	0.07	0.0	1.0
S7FBWC20	11769	0.01	0.07	0.0	1.0
S8FBWC20	10943	0.00	0.07	0.0	1.0
S9FBWC20	9989	0.00	0.06	0.0	1.0
S10FBWC20	12696	0.00	0.06	0.0	1.0
S11FBWC20	11838	0.00	0.06	0.0	1.0
R3BWC86	16351	1.73	0.68	0.0	2.0
R4BWC86	19341	1.72	0.69	0.0	2.0
R5BWC86	17517	1.72	0.69	0.0	2.0
R6BWC86	16129	1.74	0.67	0.0	2.0
S3BWC86	10804	1.76	0.65	0.0	2.0
S4BWC86	12571	1.76	0.65	0.0	2.0
S5BWC86	11320	1.76	0.65	0.0	2.0
S6BWC86	10280	1.77	0.64	0.0	2.0
R3FBWC86	16351	0.03	0.16	0.0	1.0
R4FBWC86	19341	0.01	0.10	0.0	1.0

R5FBWC86	17517	0.01	0.10	0.0	1.0
R6FBWC86	16129	0.01	0.10	0.0	1.0
S3FBWC86	10804	0.02	0.13	0.0	1.0
S4FBWC86	12571	0.01	0.08	0.0	1.0
S5FBWC86	11320	0.01	0.08	0.0	1.0
S6FBWC86	10280	0.01	0.08	0.0	1.0

Categorical Variable Codes

Value	R2BWC20	R3BWC20	R4BWC20	R5BWC20	R6BWC20	R7BWC20
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	546	705	885	810	714	921
1.Correct, 2nd try	322	91	59	94	54	83
2.Correct, 1st try	6514	15555	18397	16613	15361	17323

Value	R8BWC20	R9BWC20	R10BWC20	R11BWC20
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Incorrect	990	888	1479	1485
1.Correct, 2nd try	70	90	80	73
2.Correct, 1st try	16149	15099	19093	17849

Value	S2BWC20	S3BWC20	S4BWC20	S5BWC20	S6BWC20	S7BWC20
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	204	380	468	427	364	514
1.Correct, 2nd try	134	33	27	50	24	34
2.Correct, 1st try	3528	10391	12076	10843	9892	11221

Value	S8BWC20	S9BWC20	S10BWC20	S11BWC20
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Incorrect	550	452	783	803
1.Correct, 2nd try	32	41	37	36
2.Correct, 1st try	10361	9496	11876	10999

Value	R2FBWC20	R3FBWC20	R4FBWC20	R5FBWC20	R6FBWC20	R7FBWC20
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7222	16098	19195	17367	16001	18180
1.Imputed	160	253	146	150	128	147

Value	R8FBWC20	R9FBWC20	R10FBWC20	R11FBWC20
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	17105	15992	20566	19328
1.Imputed	104	85	86	79

Value	S2FBWC20	S3FBWC20	S4FBWC20	S5FBWC20	S6FBWC20	S7FBWC20
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3803	10701	12509	11262	10228	11705
1.Imputed	63	103	62	58	52	64

Value	S8FBWC20	S9FBWC20	S10FBWC20	S11FBWC20
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	10895	9953	12652	11798
1.Imputed	48	36	44	40

Value	R3BWC86	R4BWC86	R5BWC86	R6BWC86
.S=Proxy IW	1045	1477	1621	1674
.X=NR or Proxy all IW	595	566	441	362
0.Incorrect	2157	2662	2417	2092
1.Correct, 2nd try	151	94	114	81
2.Correct, 1st try	14043	16585	14986	13956

Value	S3BWC86	S4BWC86	S5BWC86	S6BWC86
.S=Proxy IW	722	1003	1066	1081
.U=Unmarried	5658	6869	6538	6306
.V=Spouse NR	418	537	311	220
.X=NR or Proxy all IW	389	404	344	278
0.Incorrect	1284	1485	1349	1171
1.Correct, 2nd try	58	46	51	27
2.Correct, 1st try	9462	11040	9920	9082

Value	R3FBWC86	R4FBWC86	R5FBWC86	R6FBWC86
.S=Proxy IW	1045	1477	1621	1674
.X=NR or Proxy all IW	595	566	441	362
0.Not imputed	15939	19135	17331	15974
1.Imputed	412	206	186	155

Value	S3FBWC86	S4FBWC86	S5FBWC86	S6FBWC86
.S=Proxy IW	722	1003	1066	1081
.U=Unmarried	5658	6869	6538	6306
.V=Spouse NR	418	537	311	220
.X=NR or Proxy all IW	389	404	344	278
0.Not imputed	10627	12486	11247	10221
1.Imputed	177	85	73	59

How Constructed

RwBWC20 and RwBWC86 indicate whether the Respondent was able to successfully count backwards for 10 continuous numbers from 20 and 86, respectively. Two points are given if successful on the first try, one if successful on the second, and zero if not successful on either try.

RwFBWC20 and RwFBWC86 indicate whether the values were imputed (=1) or not (=0).

RwBWC20 is available in Wave 2A and from Waves 3 forward. Counting backwards from 86 was tested in Wave 3H and Waves 4 to 6. Neither test was included in Waves 1 and 2H. In Wave 2H, R2BWC20 and R2FBWC20 are set to special missing .Q to indicate that it is missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwBWC20, SwFBWC20, SwBWC86, and SwFBWC86 are taken from the Wave "w" spouse's value for RwBWC20, RwFBWC20, RwBWC86, and RwFBWC86, respectively.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

Counting backwards from 20 is included in interviews for Wave 2A, and from Wave 3 forward. Counting backwards from 86 is included for Wave 3H and Waves 4 to 6. Neither test was included in interviews for Waves 1 and 2H.

Instructions were added in Wave 3 asking that the Respondent count backwards as quickly as possible.

Imputed Cognition: Date Naming

Wave	Variable	Label	Type
2	R2MO	R2MO:W2 Cognition Date naming-Month	Categ
3	R3MO	R3MO:W3 Cognition Date naming-Month	Categ
4	R4MO	R4MO:W4 Cognition Date naming-Month	Categ
5	R5MO	R5MO:W5 Cognition Date naming-Month	Categ
6	R6MO	R6MO:W6 Cognition Date naming-Month	Categ
7	R7MO	R7MO:W7 Cognition Date naming-Month	Categ
8	R8MO	R8MO:W8 Cognition Date naming-Month	Categ
9	R9MO	R9MO:W9 Cognition Date naming-Month	Categ
10	R10MO	R10MO:W10 Cognition Date naming-Month	Categ
11	R11MO	R11MO:W11 Cognition Date naming-Month	Categ
2	S2MO	S2MO:W2 Cognition Date naming-Month	Categ
3	S3MO	S3MO:W3 Cognition Date naming-Month	Categ
4	S4MO	S4MO:W4 Cognition Date naming-Month	Categ
5	S5MO	S5MO:W5 Cognition Date naming-Month	Categ
6	S6MO	S6MO:W6 Cognition Date naming-Month	Categ
7	S7MO	S7MO:W7 Cognition Date naming-Month	Categ
8	S8MO	S8MO:W8 Cognition Date naming-Month	Categ
9	S9MO	S9MO:W9 Cognition Date naming-Month	Categ
10	S10MO	S10MO:W10 Cognition Date naming-Month	Categ
11	S11MO	S11MO:W11 Cognition Date naming-Month	Categ
2	R2FMO	R2FMO: W2 IMPFLAG: DATE: MONTH	Categ
3	R3FMO	R3FMO: W3 IMPFLAG: DATE: MONTH	Categ
4	R4FMO	R4FMO: W4 IMPFLAG: DATE: MONTH	Categ
5	R5FMO	R5FMO: W5 IMPFLAG: DATE: MONTH	Categ
6	R6FMO	R6FMO: W6 IMPFLAG: DATE: MONTH	Categ
7	R7FMO	R7FMO: W7 IMPFLAG: DATE: MONTH	Categ
8	R8FMO	R8FMO: W8 IMPFLAG: DATE: MONTH	Categ
9	R9FMO	R9FMO: W9 IMPFLAG: DATE: MONTH	Categ
10	R10FMO	R10FMO: W10 IMPFLAG: DATE: MONTH	Categ
11	R11FMO	R11FMO: W11 IMPFLAG: DATE: MONTH	Categ
2	S2FMO	S2FMO: W2 IMPFLAG: DATE: MONTH	Categ
3	S3FMO	S3FMO: W3 IMPFLAG: DATE: MONTH	Categ
4	S4FMO	S4FMO: W4 IMPFLAG: DATE: MONTH	Categ
5	S5FMO	S5FMO: W5 IMPFLAG: DATE: MONTH	Categ
6	S6FMO	S6FMO: W6 IMPFLAG: DATE: MONTH	Categ
7	S7FMO	S7FMO: W7 IMPFLAG: DATE: MONTH	Categ
8	S8FMO	S8FMO: W8 IMPFLAG: DATE: MONTH	Categ
9	S9FMO	S9FMO: W9 IMPFLAG: DATE: MONTH	Categ
10	S10FMO	S10FMO: W10 IMPFLAG: DATE: MONTH	Categ
11	S11FMO	S11FMO: W11 IMPFLAG: DATE: MONTH	Categ
2	R2DY	R2DY:W2 Cognition Date naming-Day of month	Categ
3	R3DY	R3DY:W3 Cognition Date naming-Day of month	Categ
4	R4DY	R4DY:W4 Cognition Date naming-Day of month	Categ
5	R5DY	R5DY:W5 Cognition Date naming-Day of month	Categ
6	R6DY	R6DY:W6 Cognition Date naming-Day of month	Categ
7	R7DY	R7DY:W7 Cognition Date naming-Day of month	Categ
8	R8DY	R8DY:W8 Cognition Date naming-Day of month	Categ
9	R9DY	R9DY:W9 Cognition Date naming-Day of month	Categ
10	R10DY	R10DY:W10 Cognition Date naming-Day of month	Categ
11	R11DY	R11DY:W11 Cognition Date naming-Day of month	Categ
2	S2DY	S2DY:W2 Cognition Date naming-Day of month	Categ
3	S3DY	S3DY:W3 Cognition Date naming-Day of month	Categ
4	S4DY	S4DY:W4 Cognition Date naming-Day of month	Categ
5	S5DY	S5DY:W5 Cognition Date naming-Day of month	Categ
6	S6DY	S6DY:W6 Cognition Date naming-Day of month	Categ
7	S7DY	S7DY:W7 Cognition Date naming-Day of month	Categ
8	S8DY	S8DY:W8 Cognition Date naming-Day of month	Categ
9	S9DY	S9DY:W9 Cognition Date naming-Day of month	Categ
10	S10DY	S10DY:W10 Cognition Date naming-Day of month	Categ
11	S11DY	S11DY:W11 Cognition Date naming-Day of month	Categ

2	R2FDY	R2FDY: W2 IMPFLAG: DATE: DAY OF MONTH	Categ
3	R3FDY	R3FDY: W3 IMPFLAG: DATE: DAY OF MONTH	Categ
4	R4FDY	R4FDY: W4 IMPFLAG: DATE: DAY OF MONTH	Categ
5	R5FDY	R5FDY: W5 IMPFLAG: DATE: DAY OF MONTH	Categ
6	R6FDY	R6FDY: W6 IMPFLAG: DATE: DAY OF MONTH	Categ
7	R7FDY	R7FDY: W7 IMPFLAG: DATE: DAY OF MONTH	Categ
8	R8FDY	R8FDY: W8 IMPFLAG: DATE: DAY OF MONTH	Categ
9	R9FDY	R9FDY: W9 IMPFLAG: DATE: DAY OF MONTH	Categ
10	R10FDY	R10FDY: W10 IMPFLAG: DATE: DAY OF MONTH	Categ
11	R11FDY	R11FDY: W11 IMPFLAG: DATE: DAY OF MONTH	Categ
2	S2FDY	S2FDY: W2 IMPFLAG: DATE: DAY OF MONTH	Categ
3	S3FDY	S3FDY: W3 IMPFLAG: DATE: DAY OF MONTH	Categ
4	S4FDY	S4FDY: W4 IMPFLAG: DATE: DAY OF MONTH	Categ
5	S5FDY	S5FDY: W5 IMPFLAG: DATE: DAY OF MONTH	Categ
6	S6FDY	S6FDY: W6 IMPFLAG: DATE: DAY OF MONTH	Categ
7	S7FDY	S7FDY: W7 IMPFLAG: DATE: DAY OF MONTH	Categ
8	S8FDY	S8FDY: W8 IMPFLAG: DATE: DAY OF MONTH	Categ
9	S9FDY	S9FDY: W9 IMPFLAG: DATE: DAY OF MONTH	Categ
10	S10FDY	S10FDY: W10 IMPFLAG: DATE: DAY OF MONTH	Categ
11	S11FDY	S11FDY: W11 IMPFLAG: DATE: DAY OF MONTH	Categ
2	R2YR	R2YR:W2 Cognition Date naming-Year	Categ
3	R3YR	R3YR:W3 Cognition Date naming-Year	Categ
4	R4YR	R4YR:W4 Cognition Date naming-Year	Categ
5	R5YR	R5YR:W5 Cognition Date naming-Year	Categ
6	R6YR	R6YR:W6 Cognition Date naming-Year	Categ
7	R7YR	R7YR:W7 Cognition Date naming-Year	Categ
8	R8YR	R8YR:W8 Cognition Date naming-Year	Categ
9	R9YR	R9YR:W9 Cognition Date naming-Year	Categ
10	R10YR	R10YR:W10 Cognition Date naming-Year	Categ
11	R11YR	R11YR:W11 Cognition Date naming-Year	Categ
2	S2YR	S2YR:W2 Cognition Date naming-Year	Categ
3	S3YR	S3YR:W3 Cognition Date naming-Year	Categ
4	S4YR	S4YR:W4 Cognition Date naming-Year	Categ
5	S5YR	S5YR:W5 Cognition Date naming-Year	Categ
6	S6YR	S6YR:W6 Cognition Date naming-Year	Categ
7	S7YR	S7YR:W7 Cognition Date naming-Year	Categ
8	S8YR	S8YR:W8 Cognition Date naming-Year	Categ
9	S9YR	S9YR:W9 Cognition Date naming-Year	Categ
10	S10YR	S10YR:W10 Cognition Date naming-Year	Categ
11	S11YR	S11YR:W11 Cognition Date naming-Year	Categ
2	R2FYR	R2FYR: W2 IMPFLAG: DATE: YEAR	Categ
3	R3FYR	R3FYR: W3 IMPFLAG: DATE: YEAR	Categ
4	R4FYR	R4FYR: W4 IMPFLAG: DATE: YEAR	Categ
5	R5FYR	R5FYR: W5 IMPFLAG: DATE: YEAR	Categ
6	R6FYR	R6FYR: W6 IMPFLAG: DATE: YEAR	Categ
7	R7FYR	R7FYR: W7 IMPFLAG: DATE: YEAR	Categ
8	R8FYR	R8FYR: W8 IMPFLAG: DATE: YEAR	Categ
9	R9FYR	R9FYR: W9 IMPFLAG: DATE: YEAR	Categ
10	R10FYR	R10FYR: W10 IMPFLAG: DATE: YEAR	Categ
11	R11FYR	R11FYR: W11 IMPFLAG: DATE: YEAR	Categ
2	S2FYR	S2FYR: W2 IMPFLAG: DATE: YEAR	Categ
3	S3FYR	S3FYR: W3 IMPFLAG: DATE: YEAR	Categ
4	S4FYR	S4FYR: W4 IMPFLAG: DATE: YEAR	Categ
5	S5FYR	S5FYR: W5 IMPFLAG: DATE: YEAR	Categ
6	S6FYR	S6FYR: W6 IMPFLAG: DATE: YEAR	Categ
7	S7FYR	S7FYR: W7 IMPFLAG: DATE: YEAR	Categ
8	S8FYR	S8FYR: W8 IMPFLAG: DATE: YEAR	Categ
9	S9FYR	S9FYR: W9 IMPFLAG: DATE: YEAR	Categ
10	S10FYR	S10FYR: W10 IMPFLAG: DATE: YEAR	Categ
11	S11FYR	S11FYR: W11 IMPFLAG: DATE: YEAR	Categ
2	R2DW	R2DW:W2 Cognition Date naming-Day of week	Categ
3	R3DW	R3DW:W3 Cognition Date naming-Day of week	Categ
4	R4DW	R4DW:W4 Cognition Date naming-Day of week	Categ
5	R5DW	R5DW:W5 Cognition Date naming-Day of week	Categ
6	R6DW	R6DW:W6 Cognition Date naming-Day of week	Categ
7	R7DW	R7DW:W7 Cognition Date naming-Day of week	Categ

8	R8DW	R8DW:W8 Cognition Date naming-Day of week	Categ
9	R9DW	R9DW:W9 Cognition Date naming-Day of week	Categ
10	R10DW	R10DW:W10 Cognition Date naming-Day of week	Categ
11	R11DW	R11DW:W11 Cognition Date naming-Day of week	Categ
2	S2DW	S2DW:W2 Cognition Date naming-Day of week	Categ
3	S3DW	S3DW:W3 Cognition Date naming-Day of week	Categ
4	S4DW	S4DW:W4 Cognition Date naming-Day of week	Categ
5	S5DW	S5DW:W5 Cognition Date naming-Day of week	Categ
6	S6DW	S6DW:W6 Cognition Date naming-Day of week	Categ
7	S7DW	S7DW:W7 Cognition Date naming-Day of week	Categ
8	S8DW	S8DW:W8 Cognition Date naming-Day of week	Categ
9	S9DW	S9DW:W9 Cognition Date naming-Day of week	Categ
10	S10DW	S10DW:W10 Cognition Date naming-Day of week	Categ
11	S11DW	S11DW:W11 Cognition Date naming-Day of week	Categ
2	R2FDW	R2FDW: W2 IMPFLAG: DATE: DAY OF WEEK	Categ
3	R3FDW	R3FDW: W3 IMPFLAG: DATE: DAY OF WEEK	Categ
4	R4FDW	R4FDW: W4 IMPFLAG: DATE: DAY OF WEEK	Categ
5	R5FDW	R5FDW: W5 IMPFLAG: DATE: DAY OF WEEK	Categ
6	R6FDW	R6FDW: W6 IMPFLAG: DATE: DAY OF WEEK	Categ
7	R7FDW	R7FDW: W7 IMPFLAG: DATE: DAY OF WEEK	Categ
8	R8FDW	R8FDW: W8 IMPFLAG: DATE: DAY OF WEEK	Categ
9	R9FDW	R9FDW: W9 IMPFLAG: DATE: DAY OF WEEK	Categ
10	R10FDW	R10FDW: W10 IMPFLAG: DATE: DAY OF WEEK	Categ
11	R11FDW	R11FDW: W11 IMPFLAG: DATE: DAY OF WEEK	Categ
2	S2FDW	S2FDW: W2 IMPFLAG: DATE: DAY OF WEEK	Categ
3	S3FDW	S3FDW: W3 IMPFLAG: DATE: DAY OF WEEK	Categ
4	S4FDW	S4FDW: W4 IMPFLAG: DATE: DAY OF WEEK	Categ
5	S5FDW	S5FDW: W5 IMPFLAG: DATE: DAY OF WEEK	Categ
6	S6FDW	S6FDW: W6 IMPFLAG: DATE: DAY OF WEEK	Categ
7	S7FDW	S7FDW: W7 IMPFLAG: DATE: DAY OF WEEK	Categ
8	S8FDW	S8FDW: W8 IMPFLAG: DATE: DAY OF WEEK	Categ
9	S9FDW	S9FDW: W9 IMPFLAG: DATE: DAY OF WEEK	Categ
10	S10FDW	S10FDW: W10 IMPFLAG: DATE: DAY OF WEEK	Categ
11	S11FDW	S11FDW: W11 IMPFLAG: DATE: DAY OF WEEK	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MO	7382	0.95	0.21	0.0	1.0
R3MO	16351	0.97	0.16	0.0	1.0
R4MO	12330	0.97	0.16	0.0	1.0
R5MO	9504	0.97	0.17	0.0	1.0
R6MO	9611	0.96	0.19	0.0	1.0
R7MO	13083	0.97	0.18	0.0	1.0
R8MO	10517	0.96	0.21	0.0	1.0
R9MO	10518	0.96	0.20	0.0	1.0
R10MO	16031	0.97	0.18	0.0	1.0
R11MO	10250	0.95	0.22	0.0	1.0
S2MO	3866	0.96	0.19	0.0	1.0
S3MO	10804	0.98	0.15	0.0	1.0
S4MO	7481	0.98	0.15	0.0	1.0
S5MO	5425	0.97	0.16	0.0	1.0
S6MO	5499	0.97	0.17	0.0	1.0
S7MO	7935	0.97	0.16	0.0	1.0
S8MO	6071	0.96	0.19	0.0	1.0
S9MO	6039	0.96	0.19	0.0	1.0
S10MO	9477	0.97	0.17	0.0	1.0
S11MO	5923	0.96	0.20	0.0	1.0

R2FMO	7382	0.00	0.06	0.0	1.0
R3FMO	16351	0.00	0.03	0.0	1.0
R4FMO	19341	0.73	0.96	0.0	2.0
R5FMO	17517	0.92	1.00	0.0	2.0
R6FMO	16129	0.81	0.98	0.0	2.0
R7FMO	18327	0.57	0.90	0.0	2.0
R8FMO	17209	0.78	0.97	0.0	2.0
R9FMO	16077	0.69	0.95	0.0	2.0
R10FMO	20652	0.45	0.83	0.0	2.0
R11FMO	19407	0.94	1.00	0.0	2.0
S2FMO	3866	0.00	0.06	0.0	1.0
S3FMO	10804	0.00	0.03	0.0	1.0
S4FMO	12571	0.81	0.98	0.0	2.0
S5FMO	11320	1.04	1.00	0.0	2.0
S6FMO	10280	0.93	1.00	0.0	2.0
S7FMO	11769	0.65	0.94	0.0	2.0
S8FMO	10943	0.89	0.99	0.0	2.0
S9FMO	9989	0.79	0.98	0.0	2.0
S10FMO	12696	0.51	0.87	0.0	2.0
S11FMO	11838	1.00	1.00	0.0	2.0
R2DY	7382	0.79	0.41	0.0	1.0
R3DY	16351	0.83	0.37	0.0	1.0
R4DY	12330	0.83	0.38	0.0	1.0
R5DY	9504	0.82	0.38	0.0	1.0
R6DY	9611	0.83	0.37	0.0	1.0
R7DY	13083	0.83	0.38	0.0	1.0
R8DY	10517	0.80	0.40	0.0	1.0
R9DY	10518	0.81	0.39	0.0	1.0
R10DY	16031	0.81	0.39	0.0	1.0
R11DY	10250	0.78	0.42	0.0	1.0
S2DY	3866	0.82	0.39	0.0	1.0
S3DY	10804	0.85	0.36	0.0	1.0
S4DY	7481	0.84	0.37	0.0	1.0
S5DY	5425	0.84	0.37	0.0	1.0
S6DY	5499	0.85	0.36	0.0	1.0
S7DY	7935	0.84	0.36	0.0	1.0
S8DY	6071	0.81	0.39	0.0	1.0
S9DY	6039	0.82	0.38	0.0	1.0
S10DY	9477	0.82	0.38	0.0	1.0
S11DY	5923	0.79	0.41	0.0	1.0
R2FDY	7382	0.00	0.06	0.0	1.0
R3FDY	16351	0.00	0.02	0.0	1.0
R4FDY	19341	0.73	0.96	0.0	2.0
R5FDY	17517	0.92	1.00	0.0	2.0
R6FDY	16129	0.81	0.98	0.0	2.0
R7FDY	18327	0.57	0.90	0.0	2.0
R8FDY	17209	0.78	0.97	0.0	2.0
R9FDY	16077	0.69	0.95	0.0	2.0
R10FDY	20652	0.45	0.83	0.0	2.0
R11FDY	19407	0.94	1.00	0.0	2.0
S2FDY	3866	0.00	0.05	0.0	1.0
S3FDY	10804	0.00	0.02	0.0	1.0
S4FDY	12571	0.81	0.98	0.0	2.0

S5FDY	11320	1.04	1.00	0.0	2.0
S6FDY	10280	0.93	1.00	0.0	2.0
S7FDY	11769	0.65	0.94	0.0	2.0
S8FDY	10943	0.89	0.99	0.0	2.0
S9FDY	9989	0.79	0.98	0.0	2.0
S10FDY	12696	0.51	0.87	0.0	2.0
S11FDY	11838	1.00	1.00	0.0	2.0
R2YR	7382	0.95	0.22	0.0	1.0
R3YR	16351	0.98	0.16	0.0	1.0
R4YR	12330	0.97	0.18	0.0	1.0
R5YR	9504	0.98	0.15	0.0	1.0
R6YR	9611	0.96	0.21	0.0	1.0
R7YR	13083	0.97	0.18	0.0	1.0
R8YR	10517	0.96	0.20	0.0	1.0
R9YR	10518	0.96	0.20	0.0	1.0
R10YR	16031	0.97	0.18	0.0	1.0
R11YR	10250	0.95	0.22	0.0	1.0
S2YR	3866	0.96	0.19	0.0	1.0
S3YR	10804	0.98	0.13	0.0	1.0
S4YR	7481	0.97	0.16	0.0	1.0
S5YR	5425	0.98	0.13	0.0	1.0
S6YR	5499	0.97	0.18	0.0	1.0
S7YR	7935	0.98	0.15	0.0	1.0
S8YR	6071	0.97	0.17	0.0	1.0
S9YR	6039	0.97	0.17	0.0	1.0
S10YR	9477	0.97	0.16	0.0	1.0
S11YR	5923	0.96	0.20	0.0	1.0
R2FYR	7382	0.00	0.05	0.0	1.0
R3FYR	16351	0.00	0.03	0.0	1.0
R4FYR	19341	0.73	0.96	0.0	2.0
R5FYR	17517	0.92	1.00	0.0	2.0
R6FYR	16129	0.81	0.98	0.0	2.0
R7FYR	18327	0.57	0.90	0.0	2.0
R8FYR	17209	0.78	0.97	0.0	2.0
R9FYR	16077	0.69	0.95	0.0	2.0
R10FYR	20652	0.45	0.83	0.0	2.0
R11FYR	19407	0.94	1.00	0.0	2.0
S2FYR	3866	0.00	0.05	0.0	1.0
S3FYR	10804	0.00	0.02	0.0	1.0
S4FYR	12571	0.81	0.98	0.0	2.0
S5FYR	11320	1.04	1.00	0.0	2.0
S6FYR	10280	0.93	1.00	0.0	2.0
S7FYR	11769	0.65	0.94	0.0	2.0
S8FYR	10943	0.89	0.99	0.0	2.0
S9FYR	9989	0.79	0.98	0.0	2.0
S10FYR	12696	0.51	0.87	0.0	2.0
S11FYR	11838	1.00	1.00	0.0	2.0
R2DW	7382	0.96	0.20	0.0	1.0
R3DW	16351	0.98	0.15	0.0	1.0
R4DW	12330	0.97	0.17	0.0	1.0
R5DW	9504	0.97	0.18	0.0	1.0
R6DW	9611	0.96	0.21	0.0	1.0
R7DW	13083	0.96	0.20	0.0	1.0
R8DW	10517	0.95	0.21	0.0	1.0

R9DW	10518	0.96	0.21	0.0	1.0
R10DW	16031	0.96	0.19	0.0	1.0
R11DW	10250	0.95	0.22	0.0	1.0
S2DW	3866	0.97	0.17	0.0	1.0
S3DW	10804	0.98	0.14	0.0	1.0
S4DW	7481	0.97	0.16	0.0	1.0
S5DW	5425	0.97	0.16	0.0	1.0
S6DW	5499	0.96	0.19	0.0	1.0
S7DW	7935	0.97	0.18	0.0	1.0
S8DW	6071	0.96	0.19	0.0	1.0
S9DW	6039	0.96	0.18	0.0	1.0
S10DW	9477	0.97	0.17	0.0	1.0
S11DW	5923	0.96	0.20	0.0	1.0
R2FDW	7382	0.00	0.05	0.0	1.0
R3FDW	16351	0.00	0.02	0.0	1.0
R4FDW	19341	0.73	0.96	0.0	2.0
R5FDW	17517	0.92	1.00	0.0	2.0
R6FDW	16129	0.81	0.98	0.0	2.0
R7FDW	18327	0.57	0.90	0.0	2.0
R8FDW	17209	0.78	0.97	0.0	2.0
R9FDW	16077	0.69	0.95	0.0	2.0
R10FDW	20652	0.45	0.83	0.0	2.0
R11FDW	19407	0.94	1.00	0.0	2.0
S2FDW	3866	0.00	0.05	0.0	1.0
S3FDW	10804	0.00	0.02	0.0	1.0
S4FDW	12571	0.81	0.98	0.0	2.0
S5FDW	11320	1.04	1.00	0.0	2.0
S6FDW	10280	0.93	1.00	0.0	2.0
S7FDW	11769	0.65	0.94	0.0	2.0
S8FDW	10943	0.89	0.99	0.0	2.0
S9FDW	9989	0.79	0.98	0.0	2.0
S10FDW	12696	0.51	0.87	0.0	2.0
S11FDW	11838	1.00	1.00	0.0	2.0

Categorical Variable Codes

Value	R2MO	R3MO	R4MO	R5MO	R6MO	R7MO
.N=Cog not asked (re-IW/ lt			7011	8013	6518	5244
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	337	419	339	286	348	450
1.Correct	7045	15932	11991	9218	9263	12633

Value	R8MO	R9MO	R10MO	R11MO
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	5504	4483	3604
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	287	456	5843
0.Incorrect	467	447	558	506
1.Correct	10050	10071	15473	9744

Value	S2MO	S3MO	S4MO	S5MO	S6MO	S7MO
.N=Cog not asked (re-IW/ lt			5090	5895	4781	3834
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	141	259	168	149	158	217
1.Correct	3725	10545	7313	5276	5341	7718

Value	S8MO	S9MO	S10MO	S11MO
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	3898	3091	2409
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	245	410	3757
0.Incorrect	227	226	284	249
1.Correct	5844	5813	9193	5674

Value	R2FMO	R3FMO	R4FMO	R5FMO	R6FMO	R7FMO
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7357	16331	12308	9486	9600	13063
1.Imputed	25	20	22	18	11	20
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244

Value	R8FMO	R9FMO	R10FMO	R11FMO
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10489	10500	16022	10235
1.Imputed	28	18	9	15
2.NA-Not 65+, new IW, or al	6692	5559	4621	9157

Value	S2FMO	S3FMO	S4FMO	S5FMO	S6FMO	S7FMO
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3854	10794	7467	5419	5492	7926
1.Imputed	12	10	14	6	7	9
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834

Value	S8FMO	S9FMO	S10FMO	S11FMO
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6054	6028	9472	5912
1.Imputed	17	11	5	11
2.NA-Not 65+, new IW, or al	4872	3950	3219	5915

Value	R2DY	R3DY	R4DY	R5DY	R6DY	R7DY
.N=Cog not asked (re-IW/ lt			7011	8013	6518	5244
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	1539	2699	2141	1701	1591	2284
1.Correct	5843	13652	10189	7803	8020	10799

Value	R8DY	R9DY	R10DY	R11DY
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	5504	4483	3604
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	287	456	5843
0.Incorrect	2090	2027	3000	2292
1.Correct	8427	8491	13031	7958

Value	S2DY	S3DY	S4DY	S5DY	S6DY	S7DY
.N=Cog not asked (re-IW/ lt			5090	5895	4781	3834
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	703	1655	1194	880	815	1247
1.Correct	3163	9149	6287	4545	4684	6688

Value	S8DY	S9DY	S10DY	S11DY
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	3898	3091	2409
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	245	410	3757
0.Incorrect	1131	1072	1675	1255
1.Correct	4940	4967	7802	4668

Value	R2FDY	R3FDY	R4FDY	R5FDY	R6FDY	R7FDY
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7359	16341	12316	9496	9600	13062
1.Imputed	23	10	14	8	11	21
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244

Value	R8FDY	R9FDY	R10FDY	R11FDY
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10488	10500	16021	10234
1.Imputed	29	18	10	16
2.NA-Not 65+, new IW, or al	6692	5559	4621	9157

Value	S2FDY	S3FDY	S4FDY	S5FDY	S6FDY	S7FDY
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3856	10799	7473	5420	5492	7925
1.Imputed	10	5	8	5	7	10
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834

Value	S8FDY	S9FDY	S10FDY	S11FDY
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6054	6029	9470	5911
1.Imputed	17	10	7	12
2.NA-Not 65+, new IW, or al	4872	3950	3219	5915

Value	R2YR	R3YR	R4YR	R5YR	R6YR	R7YR
.N=Cog not asked (re-IW/ lt			7011	8013	6518	5244
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	363	404	426	226	425	428
1.Correct	7019	15947	11904	9278	9186	12655

Value	R8YR	R9YR	R10YR	R11YR
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	5504	4483	3604
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	287	456	5843
0.Incorrect	457	450	529	538
1.Correct	10060	10068	15502	9712

Value	S2YR	S3YR	S4YR	S5YR	S6YR	S7YR
.N=Cog not asked (re-IW/ lt			5090	5895	4781	3834
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	138	198	201	98	177	180
1.Correct	3728	10606	7280	5327	5322	7755

Value	S8YR	S9YR	S10YR	S11YR
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	3898	3091	2409
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	245	410	3757
0.Incorrect	191	175	254	251
1.Correct	5880	5864	9223	5672

Value	R2FYR	R3FYR	R4FYR	R5FYR	R6FYR	R7FYR
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7364	16340	12314	9493	9600	13062
1.Imputed	18	11	16	11	11	21
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244

Value	R8FYR	R9FYR	R10FYR	R11FYR
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10487	10501	16023	10235
1.Imputed	30	17	8	15
2.NA-Not 65+, new IW, or al	6692	5559	4621	9157

Value	S2FYR	S3FYR	S4FYR	S5FYR	S6FYR	S7FYR
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3858	10799	7471	5420	5492	7925
1.Imputed	8	5	10	5	7	10
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834

Value	S8FYR	S9FYR	S10FYR	S11FYR
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6055	6028	9472	5912
1.Imputed	16	11	5	11
2.NA-Not 65+, new IW, or al	4872	3950	3219	5915

Value	R2DW	R3DW	R4DW	R5DW	R6DW	R7DW
.N=Cog not asked (re-IW/ lt			7011	8013	6518	5244
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	294	388	376	307	431	539
1.Correct	7088	15963	11954	9197	9180	12544

Value	R8DW	R9DW	R10DW	R11DW
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	5504	4483	3604
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	287	456	5843
0.Incorrect	482	467	591	507
1.Correct	10035	10051	15440	9743

Value	S2DW	S3DW	S4DW	S5DW	S6DW	S7DW
.N=Cog not asked (re-IW/ lt			5090	5895	4781	3834
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	122	212	190	149	202	263
1.Correct	3744	10592	7291	5276	5297	7672

Value	S8DW	S9DW	S10DW	S11DW
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	3898	3091	2409
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	245	410	3757
0.Incorrect	235	213	287	248
1.Correct	5836	5826	9190	5675

Value	R2FDW	R3FDW	R4FDW	R5FDW	R6FDW	R7FDW
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7367	16341	12315	9494	9600	13063
1.Imputed	15	10	15	10	11	20
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244

Value	R8FDW	R9FDW	R10FDW	R11FDW
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10489	10501	16020	10235
1.Imputed	28	17	11	15
2.NA-Not 65+, new IW, or al	6692	5559	4621	9157

Value	S2FDW	S3FDW	S4FDW	S5FDW	S6FDW	S7FDW
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3858	10799	7472	5420	5492	7926
1.Imputed	8	5	9	5	7	9
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834

Value	S8FDW	S9FDW	S10FDW	S11FDW
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6055	6028	9470	5912
1.Imputed	16	11	7	11
2.NA-Not 65+, new IW, or al	4872	3950	3219	5915

Format Reference Tables – complete variable value labels

Variables: CACT, DW, DY, MO, PRES, SCIS, VP, YR	Variables: FBWC20, FBWC86, FCACT, FDLRC, FDW, FDY, FIMRC, FMO, FPRES, FPSTME, FSCIS, FSER7, FSLFME, FVOCAB, FVP, FYR
.C=HRS-AHD ovrlap	.C=HRS-AHD ovrlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv	.Q=Not asked this cohort or wv
.S=Proxy IW	.S=Proxy IW
.U=Unmarried	.U=Unmarried
.V=Spouse NR	.V=Spouse NR
.X=NR or Proxy all IW	.X=NR or Proxy all IW
0.Incorrect	0.Not imputed
1.Correct	1.Imputed
	2.NA-Not 65+, new IW, or alt wv

How Constructed

RwDY, RwMO, RwYR, and RwDW indicate whether the Respondent was able to report today's date correctly, including the day of month, month, year, and day of week, respectively.

Each of these variables is coded "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward the question is only asked of new interviewees and re-interviewees who are 65 or older. If the question was skipped because the Respondent is younger than 65, then special missing value .N is assigned.

RwFDY, RwFMO, RwFYR, and RwFDW indicate whether the values were imputed (=1) or not (=0). They have a value of "2" if the question was skipped because the Respondent is a re-interviewee younger than 65.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2 date naming variables are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw date naming variables were taken from the respective Rw variables for the Wave "w" spouse.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

This question was not asked in Waves 1 and 2H. From Wave 4 forward, it is only asked of new interviewees and re-interviewees who are 65 or older.

Imputed Cognition: Object Naming

Wave	Variable	Label	Type
2	R2SCIS	R2SCIS: W2 SCISSORS	Categ
3	R3SCIS	R3SCIS: W3 SCISSORS	Categ
4	R4SCIS	R4SCIS: W4 SCISSORS	Categ
5	R5SCIS	R5SCIS: W5 SCISSORS	Categ
6	R6SCIS	R6SCIS: W6 SCISSORS	Categ
7	R7SCIS	R7SCIS: W7 SCISSORS	Categ
8	R8SCIS	R8SCIS: W8 SCISSORS	Categ
9	R9SCIS	R9SCIS: W9 SCISSORS	Categ
10	R10SCIS	R10SCIS: W10 SCISSORS	Categ
11	R11SCIS	R11SCIS: W11 SCISSORS	Categ
2	S2SCIS	S2SCIS: W2 SCISSORS	Categ
3	S3SCIS	S3SCIS: W3 SCISSORS	Categ
4	S4SCIS	S4SCIS: W4 SCISSORS	Categ
5	S5SCIS	S5SCIS: W5 SCISSORS	Categ
6	S6SCIS	S6SCIS: W6 SCISSORS	Categ
7	S7SCIS	S7SCIS: W7 SCISSORS	Categ
8	S8SCIS	S8SCIS: W8 SCISSORS	Categ
9	S9SCIS	S9SCIS: W9 SCISSORS	Categ
10	S10SCIS	S10SCIS: W10 SCISSORS	Categ
11	S11SCIS	S11SCIS: W11 SCISSORS	Categ
2	R2FSCIS	R2FSCIS: W2 IMPFLAG: SCISSORS	Categ
3	R3FSCIS	R3FSCIS: W3 IMPFLAG: SCISSORS	Categ
4	R4FSCIS	R4FSCIS: W4 IMPFLAG: SCISSORS	Categ
5	R5FSCIS	R5FSCIS: W5 IMPFLAG: SCISSORS	Categ
6	R6FSCIS	R6FSCIS: W6 IMPFLAG: SCISSORS	Categ
7	R7FSCIS	R7FSCIS: W7 IMPFLAG: SCISSORS	Categ
8	R8FSCIS	R8FSCIS: W8 IMPFLAG: SCISSORS	Categ
9	R9FSCIS	R9FSCIS: W9 IMPFLAG: SCISSORS	Categ
10	R10FSCIS	R10FSCIS: W10 IMPFLAG: SCISSORS	Categ
11	R11FSCIS	R11FSCIS: W11 IMPFLAG: SCISSORS	Categ
2	S2FSCIS	S2FSCIS: W2 IMPFLAG: SCISSORS	Categ
3	S3FSCIS	S3FSCIS: W3 IMPFLAG: SCISSORS	Categ
4	S4FSCIS	S4FSCIS: W4 IMPFLAG: SCISSORS	Categ
5	S5FSCIS	S5FSCIS: W5 IMPFLAG: SCISSORS	Categ
6	S6FSCIS	S6FSCIS: W6 IMPFLAG: SCISSORS	Categ
7	S7FSCIS	S7FSCIS: W7 IMPFLAG: SCISSORS	Categ
8	S8FSCIS	S8FSCIS: W8 IMPFLAG: SCISSORS	Categ
9	S9FSCIS	S9FSCIS: W9 IMPFLAG: SCISSORS	Categ
10	S10FSCIS	S10FSCIS: W10 IMPFLAG: SCISSORS	Categ
11	S11FSCIS	S11FSCIS: W11 IMPFLAG: SCISSORS	Categ
2	R2CACT	R2CACT: W2 CACTUS	Categ
3	R3CACT	R3CACT: W3 CACTUS	Categ
4	R4CACT	R4CACT: W4 CACTUS	Categ
5	R5CACT	R5CACT: W5 CACTUS	Categ
6	R6CACT	R6CACT: W6 CACTUS	Categ
7	R7CACT	R7CACT: W7 CACTUS	Categ
8	R8CACT	R8CACT: W8 CACTUS	Categ
9	R9CACT	R9CACT: W9 CACTUS	Categ
10	R10CACT	R10CACT: W10 CACTUS	Categ
11	R11CACT	R11CACT: W11 CACTUS	Categ
2	S2CACT	S2CACT: W2 CACTUS	Categ
3	S3CACT	S3CACT: W3 CACTUS	Categ
4	S4CACT	S4CACT: W4 CACTUS	Categ
5	S5CACT	S5CACT: W5 CACTUS	Categ
6	S6CACT	S6CACT: W6 CACTUS	Categ
7	S7CACT	S7CACT: W7 CACTUS	Categ
8	S8CACT	S8CACT: W8 CACTUS	Categ
9	S9CACT	S9CACT: W9 CACTUS	Categ
10	S10CACT	S10CACT: W10 CACTUS	Categ
11	S11CACT	S11CACT: W11 CACTUS	Categ

2	R2FCACT	R2FCACT: W2 IMPFLAG: CACTUS	Categ
3	R3FCACT	R3FCACT: W3 IMPFLAG: CACTUS	Categ
4	R4FCACT	R4FCACT: W4 IMPFLAG: CACTUS	Categ
5	R5FCACT	R5FCACT: W5 IMPFLAG: CACTUS	Categ
6	R6FCACT	R6FCACT: W6 IMPFLAG: CACTUS	Categ
7	R7FCACT	R7FCACT: W7 IMPFLAG: CACTUS	Categ
8	R8FCACT	R8FCACT: W8 IMPFLAG: CACTUS	Categ
9	R9FCACT	R9FCACT: W9 IMPFLAG: CACTUS	Categ
10	R10FCACT	R10FCACT: W10 IMPFLAG: CACTUS	Categ
11	R11FCACT	R11FCACT: W11 IMPFLAG: CACTUS	Categ
2	S2FCACT	S2FCACT: W2 IMPFLAG: CACTUS	Categ
3	S3FCACT	S3FCACT: W3 IMPFLAG: CACTUS	Categ
4	S4FCACT	S4FCACT: W4 IMPFLAG: CACTUS	Categ
5	S5FCACT	S5FCACT: W5 IMPFLAG: CACTUS	Categ
6	S6FCACT	S6FCACT: W6 IMPFLAG: CACTUS	Categ
7	S7FCACT	S7FCACT: W7 IMPFLAG: CACTUS	Categ
8	S8FCACT	S8FCACT: W8 IMPFLAG: CACTUS	Categ
9	S9FCACT	S9FCACT: W9 IMPFLAG: CACTUS	Categ
10	S10FCACT	S10FCACT: W10 IMPFLAG: CACTUS	Categ
11	S11FCACT	S11FCACT: W11 IMPFLAG: CACTUS	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SCIS	7382	0.99	0.11	0.0	1.0
R3SCIS	16351	0.99	0.11	0.0	1.0
R4SCIS	12330	0.99	0.10	0.0	1.0
R5SCIS	9504	0.99	0.09	0.0	1.0
R6SCIS	9611	0.99	0.10	0.0	1.0
R7SCIS	13083	0.99	0.10	0.0	1.0
R8SCIS	10517	0.99	0.11	0.0	1.0
R9SCIS	10518	0.99	0.11	0.0	1.0
R10SCIS	16031	0.98	0.12	0.0	1.0
R11SCIS	10250	0.98	0.12	0.0	1.0
S2SCIS	3866	0.99	0.09	0.0	1.0
S3SCIS	10804	0.99	0.10	0.0	1.0
S4SCIS	7481	0.99	0.09	0.0	1.0
S5SCIS	5425	0.99	0.09	0.0	1.0
S6SCIS	5499	0.99	0.10	0.0	1.0
S7SCIS	7935	0.99	0.09	0.0	1.0
S8SCIS	6071	0.99	0.10	0.0	1.0
S9SCIS	6039	0.99	0.11	0.0	1.0
S10SCIS	9477	0.99	0.12	0.0	1.0
S11SCIS	5923	0.99	0.12	0.0	1.0
R2FSCIS	7382	0.00	0.06	0.0	1.0
R3FSCIS	16351	0.00	0.04	0.0	1.0
R4FSCIS	19341	0.73	0.96	0.0	2.0
R5FSCIS	17517	0.92	1.00	0.0	2.0
R6FSCIS	16129	0.81	0.98	0.0	2.0
R7FSCIS	18327	0.57	0.90	0.0	2.0
R8FSCIS	17209	0.78	0.97	0.0	2.0
R9FSCIS	16077	0.69	0.95	0.0	2.0
R10FSCIS	20652	0.45	0.83	0.0	2.0
R11FSCIS	19407	0.94	1.00	0.0	2.0
S2FSCIS	3866	0.00	0.05	0.0	1.0

S3FSCIS	10804	0.00	0.04	0.0	1.0
S4FSCIS	12571	0.81	0.98	0.0	2.0
S5FSCIS	11320	1.04	1.00	0.0	2.0
S6FSCIS	10280	0.93	1.00	0.0	2.0
S7FSCIS	11769	0.65	0.94	0.0	2.0
S8FSCIS	10943	0.89	0.99	0.0	2.0
S9FSCIS	9989	0.79	0.98	0.0	2.0
S10FSCIS	12696	0.51	0.87	0.0	2.0
S11FSCIS	11838	1.00	1.00	0.0	2.0
R2CACT	7382	0.83	0.37	0.0	1.0
R3CACT	16351	0.89	0.31	0.0	1.0
R4CACT	12330	0.90	0.29	0.0	1.0
R5CACT	9504	0.90	0.30	0.0	1.0
R6CACT	9611	0.90	0.29	0.0	1.0
R7CACT	13083	0.91	0.28	0.0	1.0
R8CACT	10517	0.90	0.30	0.0	1.0
R9CACT	10518	0.90	0.29	0.0	1.0
R10CACT	16031	0.91	0.28	0.0	1.0
R11CACT	10250	0.92	0.28	0.0	1.0
S2CACT	3866	0.88	0.32	0.0	1.0
S3CACT	10804	0.92	0.27	0.0	1.0
S4CACT	7481	0.94	0.24	0.0	1.0
S5CACT	5425	0.93	0.25	0.0	1.0
S6CACT	5499	0.93	0.25	0.0	1.0
S7CACT	7935	0.94	0.24	0.0	1.0
S8CACT	6071	0.93	0.25	0.0	1.0
S9CACT	6039	0.93	0.26	0.0	1.0
S10CACT	9477	0.93	0.25	0.0	1.0
S11CACT	5923	0.94	0.24	0.0	1.0
R2FCACT	7382	0.00	0.06	0.0	1.0
R3FCACT	16351	0.00	0.04	0.0	1.0
R4FCACT	19341	0.73	0.96	0.0	2.0
R5FCACT	17517	0.92	1.00	0.0	2.0
R6FCACT	16129	0.81	0.98	0.0	2.0
R7FCACT	18327	0.57	0.90	0.0	2.0
R8FCACT	17209	0.78	0.97	0.0	2.0
R9FCACT	16077	0.69	0.95	0.0	2.0
R10FCACT	20652	0.45	0.83	0.0	2.0
R11FCACT	19407	0.94	1.00	0.0	2.0
S2FCACT	3866	0.00	0.06	0.0	1.0
S3FCACT	10804	0.00	0.04	0.0	1.0
S4FCACT	12571	0.81	0.98	0.0	2.0
S5FCACT	11320	1.04	1.00	0.0	2.0
S6FCACT	10280	0.93	1.00	0.0	2.0
S7FCACT	11769	0.65	0.94	0.0	2.0
S8FCACT	10943	0.89	0.99	0.0	2.0
S9FCACT	9989	0.79	0.98	0.0	2.0
S10FCACT	12696	0.51	0.87	0.0	2.0
S11FCACT	11838	1.00	1.00	0.0	2.0

Categorical Variable Codes

Value	R2SCIS	R3SCIS	R4SCIS	R5SCIS	R6SCIS	R7SCIS
.N=Cog not asked (re-IW/ lt			7011	8013	6518	5244
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	85	192	118	79	105	136
1.Correct	7297	16159	12212	9425	9506	12947

Value	R8SCIS	R9SCIS	R10SCIS	R11SCIS
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	5504	4483	3604
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	287	456	5843
0.Incorrect	135	140	248	160
1.Correct	10382	10378	15783	10090

Value	S2SCIS	S3SCIS	S4SCIS	S5SCIS	S6SCIS	S7SCIS
.N=Cog not asked (re-IW/ lt			5090	5895	4781	3834
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	32	120	62	40	56	63
1.Correct	3834	10684	7419	5385	5443	7872

Value	S8SCIS	S9SCIS	S10SCIS	S11SCIS
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	3898	3091	2409
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	245	410	3757
0.Incorrect	67	69	132	84
1.Correct	6004	5970	9345	5839

Value	R2FSCIS	R3FSCIS	R4FSCIS	R5FSCIS	R6FSCIS	R7FSCIS
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7356	16319	12308	9480	9601	13067
1.Imputed	26	32	22	24	10	16
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244

Value	R8FSCIS	R9FSCIS	R10FSCIS	R11FSCIS
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10490	10499	16023	10238
1.Imputed	27	19	8	12
2.NA-Not 65+, new IW, or al	6692	5559	4621	9157

Value	S2FSCIS	S3FSCIS	S4FSCIS	S5FSCIS	S6FSCIS	S7FSCIS
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3856	10786	7467	5417	5494	7928
1.Imputed	10	18	14	8	5	7
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834

Value	S8FSCIS	S9FSCIS	S10FSCIS	S11FSCIS
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6057	6027	9472	5914
1.Imputed	14	12	5	9
2.NA-Not 65+, new IW, or al	4872	3950	3219	5915

Value	R2CACT	R3CACT	R4CACT	R5CACT	R6CACT	R7CACT
.N=Cog not asked (re-IW/ lt			7011	8013	6518	5244
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	1238	1735	1183	945	922	1122
1.Correct	6144	14616	11147	8559	8689	11961

Value	R8CACT	R9CACT	R10CACT	R11CACT
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	5504	4483	3604
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	287	456	5843
0.Incorrect	1024	1003	1370	846
1.Correct	9493	9515	14661	9404

Value	S2CACT	S3CACT	S4CACT	S5CACT	S6CACT	S7CACT
.N=Cog not asked (re-IW/ lt			5090	5895	4781	3834
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	451	847	475	379	380	490
1.Correct	3415	9957	7006	5046	5119	7445

Value	S8CACT	S9CACT	S10CACT	S11CACT
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	3898	3091	2409
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	245	410	3757
0.Incorrect	422	432	643	362
1.Correct	5649	5607	8834	5561

Value	R2FCACT	R3FCACT	R4FCACT	R5FCACT	R6FCACT	R7FCACT
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7351	16322	12306	9479	9599	13067
1.Imputed	31	29	24	25	12	16
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244

Value	R8FCACT	R9FCACT	R10FCACT	R11FCACT
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10490	10497	16018	10234
1.Imputed	27	21	13	16
2.NA-Not 65+, new IW, or al	6692	5559	4621	9157

Value	S2FCACT	S3FCACT	S4FCACT	S5FCACT	S6FCACT	S7FCACT
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3852	10788	7466	5417	5494	7928
1.Imputed	14	16	15	8	5	7
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834

Value	S8FCACT	S9FCACT	S10FCACT	S11FCACT
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6057	6027	9469	5913
1.Imputed	14	12	8	10
2.NA-Not 65+, new IW, or al	4872	3950	3219	5915

Format Reference Tables – complete variable value labels

Variables: CACT, DW, DY, MO, PRES, SCIS, VP, YR	Variables: FBWC20, FBWC86, FCACT, FDLRC, FDW, FDY, FIMRC, FMO, FPRES, FPSTME, FSCIS, FSER7, FSLFME, FVOCAB, FVP, FYR
.C=HRS-AHD ovrlap	.C=HRS-AHD ovrlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv	.Q=Not asked this cohort or wv
.S=Proxy IW	.S=Proxy IW
.U=Unmarried	.U=Unmarried
.V=Spouse NR	.V=Spouse NR
.X=NR or Proxy all IW	.X=NR or Proxy all IW
0.Incorrect	0.Not imputed
1.Correct	1.Imputed
	2.NA-Not 65+, new IW, or alt wv

How Constructed

RwCACT and RwSCIS indicate whether the Respondent was able to correctly name these objects, cactus and scissors, respectively, based on a verbal description. For RwSCIS the description was: "What do you usually use to cut paper?" and for RwCACT it was, "What do you call the kind of prickly plant that grows in the desert?"

Each of these variables is code "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward these questions are only asked of new interviewees and re-interviewees who are 65 or older. If not asked because the Respondent is younger than 65, the Rw variables are set to special missing .N.

RwFCACT and RwFSCIS indicate whether the values were imputed (=1) or not (=0). They have a value of 2 if the question was skipped because the Respondent is a re-interviewee younger than 65.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2 object naming variables are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw object naming variables were taken from the respective Rw variables for the Wave "w" spouse.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

These questons were not asked in Waves 1 and 2H. From Wave 4 forward, they are only asked of new interviewees and re-interviewees who are 65 or older.

Imputed Cognition: President/Vice-President Naming

Wave	Variable	Label	Type
2	R2PRES	R2PRES: W2 PRESIDENT	Categ
3	R3PRES	R3PRES: W3 PRESIDENT	Categ
4	R4PRES	R4PRES: W4 PRESIDENT	Categ
5	R5PRES	R5PRES: W5 PRESIDENT	Categ
6	R6PRES	R6PRES: W6 PRESIDENT	Categ
7	R7PRES	R7PRES: W7 PRESIDENT	Categ
8	R8PRES	R8PRES: W8 PRESIDENT	Categ
9	R9PRES	R9PRES: W9 PRESIDENT	Categ
10	R10PRES	R10PRES: W10 PRESIDENT	Categ
11	R11PRES	R11PRES: W11 PRESIDENT	Categ
2	S2PRES	S2PRES: W2 PRESIDENT	Categ
3	S3PRES	S3PRES: W3 PRESIDENT	Categ
4	S4PRES	S4PRES: W4 PRESIDENT	Categ
5	S5PRES	S5PRES: W5 PRESIDENT	Categ
6	S6PRES	S6PRES: W6 PRESIDENT	Categ
7	S7PRES	S7PRES: W7 PRESIDENT	Categ
8	S8PRES	S8PRES: W8 PRESIDENT	Categ
9	S9PRES	S9PRES: W9 PRESIDENT	Categ
10	S10PRES	S10PRES: W10 PRESIDENT	Categ
11	S11PRES	S11PRES: W11 PRESIDENT	Categ
2	R2FPRES	R2FPRES: W2 IMPFLAG: PRESIDENT	Categ
3	R3FPRES	R3FPRES: W3 IMPFLAG: PRESIDENT	Categ
4	R4FPRES	R4FPRES: W4 IMPFLAG: PRESIDENT	Categ
5	R5FPRES	R5FPRES: W5 IMPFLAG: PRESIDENT	Categ
6	R6FPRES	R6FPRES: W6 IMPFLAG: PRESIDENT	Categ
7	R7FPRES	R7FPRES: W7 IMPFLAG: PRESIDENT	Categ
8	R8FPRES	R8FPRES: W8 IMPFLAG: PRESIDENT	Categ
9	R9FPRES	R9FPRES: W9 IMPFLAG: PRESIDENT	Categ
10	R10FPRES	R10FPRES: W10 IMPFLAG: PRESIDENT	Categ
11	R11FPRES	R11FPRES: W11 IMPFLAG: PRESIDENT	Categ
2	S2FPRES	S2FPRES: W2 IMPFLAG: PRESIDENT	Categ
3	S3FPRES	S3FPRES: W3 IMPFLAG: PRESIDENT	Categ
4	S4FPRES	S4FPRES: W4 IMPFLAG: PRESIDENT	Categ
5	S5FPRES	S5FPRES: W5 IMPFLAG: PRESIDENT	Categ
6	S6FPRES	S6FPRES: W6 IMPFLAG: PRESIDENT	Categ
7	S7FPRES	S7FPRES: W7 IMPFLAG: PRESIDENT	Categ
8	S8FPRES	S8FPRES: W8 IMPFLAG: PRESIDENT	Categ
9	S9FPRES	S9FPRES: W9 IMPFLAG: PRESIDENT	Categ
10	S10FPRES	S10FPRES: W10 IMPFLAG: PRESIDENT	Categ
11	S11FPRES	S11FPRES: W11 IMPFLAG: PRESIDENT	Categ
2	R2VP	R2VP: W2 VICE PRESIDENT	Categ
3	R3VP	R3VP: W3 VICE PRESIDENT	Categ
4	R4VP	R4VP: W4 VICE PRESIDENT	Categ
5	R5VP	R5VP: W5 VICE PRESIDENT	Categ
6	R6VP	R6VP: W6 VICE PRESIDENT	Categ
7	R7VP	R7VP: W7 VICE PRESIDENT	Categ
8	R8VP	R8VP: W8 VICE PRESIDENT	Categ
9	R9VP	R9VP: W9 VICE PRESIDENT	Categ
10	R10VP	R10VP: W10 VICE PRESIDENT	Categ
11	R11VP	R11VP: W11 VICE PRESIDENT	Categ
2	S2VP	S2VP: W2 VICE PRESIDENT	Categ
3	S3VP	S3VP: W3 VICE PRESIDENT	Categ
4	S4VP	S4VP: W4 VICE PRESIDENT	Categ
5	S5VP	S5VP: W5 VICE PRESIDENT	Categ
6	S6VP	S6VP: W6 VICE PRESIDENT	Categ
7	S7VP	S7VP: W7 VICE PRESIDENT	Categ
8	S8VP	S8VP: W8 VICE PRESIDENT	Categ
9	S9VP	S9VP: W9 VICE PRESIDENT	Categ
10	S10VP	S10VP: W10 VICE PRESIDENT	Categ
11	S11VP	S11VP: W11 VICE PRESIDENT	Categ

2	R2FVP	R2FVP: W2 IMPFLAG: VICE PRESIDENT	Categ
3	R3FVP	R3FVP: W3 IMPFLAG: VICE PRESIDENT	Categ
4	R4FVP	R4FVP: W4 IMPFLAG: VICE PRESIDENT	Categ
5	R5FVP	R5FVP: W5 IMPFLAG: VICE PRESIDENT	Categ
6	R6FVP	R6FVP: W6 IMPFLAG: VICE PRESIDENT	Categ
7	R7FVP	R7FVP: W7 IMPFLAG: VICE PRESIDENT	Categ
8	R8FVP	R8FVP: W8 IMPFLAG: VICE PRESIDENT	Categ
9	R9FVP	R9FVP: W9 IMPFLAG: VICE PRESIDENT	Categ
10	R10FVP	R10FVP: W10 IMPFLAG: VICE PRESIDENT	Categ
11	R11FVP	R11FVP: W11 IMPFLAG: VICE PRESIDENT	Categ
2	S2FVP	S2FVP: W2 IMPFLAG: VICE PRESIDENT	Categ
3	S3FVP	S3FVP: W3 IMPFLAG: VICE PRESIDENT	Categ
4	S4FVP	S4FVP: W4 IMPFLAG: VICE PRESIDENT	Categ
5	S5FVP	S5FVP: W5 IMPFLAG: VICE PRESIDENT	Categ
6	S6FVP	S6FVP: W6 IMPFLAG: VICE PRESIDENT	Categ
7	S7FVP	S7FVP: W7 IMPFLAG: VICE PRESIDENT	Categ
8	S8FVP	S8FVP: W8 IMPFLAG: VICE PRESIDENT	Categ
9	S9FVP	S9FVP: W9 IMPFLAG: VICE PRESIDENT	Categ
10	S10FVP	S10FVP: W10 IMPFLAG: VICE PRESIDENT	Categ
11	S11FVP	S11FVP: W11 IMPFLAG: VICE PRESIDENT	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PRES	7382	0.90	0.29	0.0	1.0
R3PRES	16351	0.94	0.24	0.0	1.0
R4PRES	12330	0.96	0.20	0.0	1.0
R5PRES	9504	0.95	0.22	0.0	1.0
R6PRES	9611	0.96	0.20	0.0	1.0
R7PRES	13083	0.97	0.17	0.0	1.0
R8PRES	10517	0.97	0.18	0.0	1.0
R9PRES	10518	0.96	0.19	0.0	1.0
R10PRES	16031	0.97	0.18	0.0	1.0
R11PRES	10250	0.96	0.19	0.0	1.0
S2PRES	3866	0.93	0.25	0.0	1.0
S3PRES	10804	0.95	0.21	0.0	1.0
S4PRES	7481	0.97	0.17	0.0	1.0
S5PRES	5425	0.97	0.18	0.0	1.0
S6PRES	5499	0.97	0.17	0.0	1.0
S7PRES	7935	0.98	0.13	0.0	1.0
S8PRES	6071	0.98	0.15	0.0	1.0
S9PRES	6039	0.98	0.15	0.0	1.0
S10PRES	9477	0.98	0.15	0.0	1.0
S11PRES	5923	0.97	0.16	0.0	1.0
R2FPRES	7382	0.00	0.06	0.0	1.0
R3FPRES	16351	0.00	0.04	0.0	1.0
R4FPRES	19341	0.73	0.96	0.0	2.0
R5FPRES	17517	0.92	1.00	0.0	2.0
R6FPRES	16129	0.81	0.98	0.0	2.0
R7FPRES	18327	0.57	0.90	0.0	2.0
R8FPRES	17209	0.78	0.97	0.0	2.0
R9FPRES	16077	0.69	0.95	0.0	2.0
R10FPRES	20652	0.45	0.83	0.0	2.0
R11FPRES	19407	0.94	1.00	0.0	2.0
S2FPRES	3866	0.00	0.06	0.0	1.0

S3FPRES	10804	0.00	0.04	0.0	1.0
S4FPRES	12571	0.81	0.98	0.0	2.0
S5FPRES	11320	1.04	1.00	0.0	2.0
S6FPRES	10280	0.93	1.00	0.0	2.0
S7FPRES	11769	0.65	0.94	0.0	2.0
S8FPRES	10943	0.89	0.99	0.0	2.0
S9FPRES	9989	0.79	0.98	0.0	2.0
S10FPRES	12696	0.51	0.87	0.0	2.0
S11FPRES	11838	1.00	1.00	0.0	2.0
R2VP	7382	0.72	0.45	0.0	1.0
R3VP	16351	0.71	0.45	0.0	1.0
R4VP	12330	0.84	0.37	0.0	1.0
R5VP	9504	0.90	0.30	0.0	1.0
R6VP	9611	0.69	0.46	0.0	1.0
R7VP	13083	0.76	0.43	0.0	1.0
R8VP	10517	0.77	0.42	0.0	1.0
R9VP	10518	0.75	0.44	0.0	1.0
R10VP	16031	0.54	0.50	0.0	1.0
R11VP	10250	0.63	0.48	0.0	1.0
S2VP	3866	0.79	0.41	0.0	1.0
S3VP	10804	0.76	0.43	0.0	1.0
S4VP	7481	0.88	0.32	0.0	1.0
S5VP	5425	0.93	0.25	0.0	1.0
S6VP	5499	0.76	0.43	0.0	1.0
S7VP	7935	0.81	0.39	0.0	1.0
S8VP	6071	0.82	0.38	0.0	1.0
S9VP	6039	0.80	0.40	0.0	1.0
S10VP	9477	0.58	0.49	0.0	1.0
S11VP	5923	0.68	0.47	0.0	1.0
R2FVP	7382	0.01	0.09	0.0	1.0
R3FVP	16351	0.00	0.04	0.0	1.0
R4FVP	19341	0.73	0.96	0.0	2.0
R5FVP	17517	0.92	1.00	0.0	2.0
R6FVP	16129	0.81	0.98	0.0	2.0
R7FVP	18327	0.57	0.90	0.0	2.0
R8FVP	17209	0.78	0.97	0.0	2.0
R9FVP	16077	0.69	0.95	0.0	2.0
R10FVP	20652	0.45	0.83	0.0	2.0
R11FVP	19407	0.94	1.00	0.0	2.0
S2FVP	3866	0.01	0.08	0.0	1.0
S3FVP	10804	0.00	0.04	0.0	1.0
S4FVP	12571	0.81	0.98	0.0	2.0
S5FVP	11320	1.04	1.00	0.0	2.0
S6FVP	10280	0.93	1.00	0.0	2.0
S7FVP	11769	0.65	0.94	0.0	2.0
S8FVP	10943	0.89	0.99	0.0	2.0
S9FVP	9989	0.79	0.98	0.0	2.0
S10FVP	12696	0.51	0.87	0.0	2.0
S11FVP	11838	1.00	1.00	0.0	2.0

Categorical Variable Codes

Value	R2PRES	R3PRES	R4PRES	R5PRES	R6PRES	R7PRES
.N=Cog not asked (re-IW/ lt			7011	8013	6518	5244
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	706	1019	520	494	412	369
1.Correct	6676	15332	11810	9010	9199	12714

Value	R8PRES	R9PRES	R10PRES	R11PRES
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	5504	4483	3604
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	287	456	5843
0.Incorrect	362	383	549	390
1.Correct	10155	10135	15482	9860

Value	S2PRES	S3PRES	S4PRES	S5PRES	S6PRES	S7PRES
.N=Cog not asked (re-IW/ lt			5090	5895	4781	3834
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	255	509	217	180	155	134
1.Correct	3611	10295	7264	5245	5344	7801

Value	S8PRES	S9PRES	S10PRES	S11PRES
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	3898	3091	2409
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	245	410	3757
0.Incorrect	143	143	231	161
1.Correct	5928	5896	9246	5762

Value	R2FPRES	R3FPRES	R4FPRES	R5FPRES	R6FPRES	R7FPRES
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7351	16324	12307	9478	9601	13066
1.Imputed	31	27	23	26	10	17
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244

Value	R8FPRES	R9FPRES	R10FPRES	R11FPRES
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10490	10498	16016	10231
1.Imputed	27	20	15	19
2.NA-Not 65+, new IW, or al	6692	5559	4621	9157

Value	S2FPRES	S3FPRES	S4FPRES	S5FPRES	S6FPRES	S7FPRES
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3854	10789	7465	5414	5494	7928
1.Imputed	12	15	16	11	5	7
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834

Value	S8FPRES	S9FPRES	S10FPRES	S11FPRES
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6056	6026	9468	5910
1.Imputed	15	13	9	13
2.NA-Not 65+, new IW, or al	4872	3950	3219	5915

Value	R2VP	R3VP	R4VP	R5VP	R6VP	R7VP
.N=Cog not asked (re-IW/ lt			7011	8013	6518	5244
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Incorrect	2093	4723	1975	951	3008	3115
1.Correct	5289	11628	10355	8553	6603	9968

Value	R8VP	R9VP	R10VP	R11VP
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	5504	4483	3604
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	287	456	5843
0.Incorrect	2436	2672	7452	3804
1.Correct	8081	7846	8579	6446

Value	S2VP	S3VP	S4VP	S5VP	S6VP	S7VP
.N=Cog not asked (re-IW/ lt			5090	5895	4781	3834
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Incorrect	821	2619	891	355	1331	1470
1.Correct	3045	8185	6590	5070	4168	6465

Value	S8VP	S9VP	S10VP	S11VP
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	3898	3091	2409
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	245	410	3757
0.Incorrect	1094	1220	4008	1896
1.Correct	4977	4819	5469	4027

Value	R2FVP	R3FVP	R4FVP	R5FVP	R6FVP	R7FVP
.Q=Not asked this cohort or	11420					
.S=Proxy IW	209	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	631	595	566	441	362	393
0.Not imputed	7327	16323	12306	9479	9598	13063
1.Imputed	55	28	24	25	13	20
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244

Value	R8FVP	R9FVP	R10FVP	R11FVP
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10490	10500	16011	10230
1.Imputed	27	18	20	20
2.NA-Not 65+, new IW, or al	6692	5559	4621	9157

Value	S2FVP	S3FVP	S4FVP	S5FVP	S6FVP	S7FVP
.Q=Not asked this cohort or	9123					
.S=Proxy IW	155	722	1003	1066	1081	869
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
.X=NR or Proxy all IW	328	389	404	344	278	334
0.Not imputed	3840	10789	7465	5415	5494	7927
1.Imputed	26	15	16	10	5	8
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834

Value	S8FVP	S9FVP	S10FVP	S11FVP
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6056	6028	9462	5910
1.Imputed	15	11	15	13
2.NA-Not 65+, new IW, or al	4872	3950	3219	5915

Format Reference Tables – complete variable value labels

```
Variables: CACT, DW, DY, MO, PRES, SCIS, VP, YR
.C=HRS-AHD ovrlap
.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv
.S=Proxy IW
.U=Unmarried
.V=Spouse NR
.X=NR or Proxy all IW
0.Incorrect
1.Correct
```

```
Variables: FBWC20, FBWC86, FCACT, FDLRC, FDW,
FDY, FIMRC, FMO, FPRES, FPSTME, FSCIS, FSER7,
FSLFME, FVOCAB, FVP, FYR
.C=HRS-AHD ovrlap
.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv
.S=Proxy IW
.U=Unmarried
.V=Spouse NR
.X=NR or Proxy all IW
0.Not imputed
1.Imputed
2.NA-Not 65+, new IW, or alt wv
```

How Constructed

RwPRES and RwVP indicate whether the Respondent was able to correctly name the current president and vice-president of the United States, respectively.

Each of these variables is coded "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward, the question is only asked of new interviewees and re-interviewees who are 65 or older. If the question was skipped because the Respondent is younger than 65, then special missing value .N is assigned.

RwFPRES and RwFVP indicate whether the values were imputed (=1) or not (=0). They have a value of "2" if the question was skipped because the Respondent is a re-interviewee younger than 65. In Wave 5, the rate of correct answers increased, perhaps because Wave 5 (2000) was an election year, and the incumbent vice president was running for president.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2PRES, R2VP, R2FPRES, and R2FVP are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwPRES, SwFPRES, SwVP, and SwFVP were taken from the respective Rw variables for the Wave "w" spouse.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

These questions were not asked in Waves 1 and 2H. From Wave 4 forward, they are only asked of new interviewees and re-interviewees who are 65 or older.

Imputed Cognition: Vocabulary

Wave	Variable	Label	Type
3	R3VOCAB	R3VOCAB: W3 VOCAB SUM SCORE	Categ
4	R4VOCAB	R4VOCAB: W4 VOCAB SUM SCORE	Categ
5	R5VOCAB	R5VOCAB: W5 VOCAB SUM SCORE	Categ
6	R6VOCAB	R6VOCAB: W6 VOCAB SUM SCORE	Categ
7	R7VOCAB	R7VOCAB: W7 VOCAB SUM SCORE	Categ
8	R8VOCAB	R8VOCAB: W8 VOCAB SUM SCORE	Categ
9	R9VOCAB	R9VOCAB: W9 VOCAB SUM SCORE	Categ
10	R10VOCAB	R10VOCAB: W10 VOCAB SUM SCORE	Categ
11	R11VOCAB	R11VOCAB: W11 VOCAB SUM SCORE	Categ
3	S3VOCAB	S3VOCAB: W3 VOCAB SUM SCORE	Categ
4	S4VOCAB	S4VOCAB: W4 VOCAB SUM SCORE	Categ
5	S5VOCAB	S5VOCAB: W5 VOCAB SUM SCORE	Categ
6	S6VOCAB	S6VOCAB: W6 VOCAB SUM SCORE	Categ
7	S7VOCAB	S7VOCAB: W7 VOCAB SUM SCORE	Categ
8	S8VOCAB	S8VOCAB: W8 VOCAB SUM SCORE	Categ
9	S9VOCAB	S9VOCAB: W9 VOCAB SUM SCORE	Categ
10	S10VOCAB	S10VOCAB: W10 VOCAB SUM SCORE	Categ
11	S11VOCAB	S11VOCAB: W11 VOCAB SUM SCORE	Categ
3	R3FVOCAB	R3FVOCAB: W3 IMPFLAG: VOCAB SUM SCORE	Categ
4	R4FVOCAB	R4FVOCAB: W4 IMPFLAG: VOCAB SUM SCORE	Categ
5	R5FVOCAB	R5FVOCAB: W5 IMPFLAG: VOCAB SUM SCORE	Categ
6	R6FVOCAB	R6FVOCAB: W6 IMPFLAG: VOCAB SUM SCORE	Categ
7	R7FVOCAB	R7FVOCAB: W7 IMPFLAG: VOCAB SUM SCORE	Categ
8	R8FVOCAB	R8FVOCAB : W8 IMPFLAG: VOCAB SUM SCORE	Categ
9	R9FVOCAB	R9FVOCAB : W9 IMPFLAG: VOCAB SUM SCORE	Categ
10	R10FVOCAB	R10FVOCAB : W10 IMPFLAG: VOCAB SUM SCORE	Categ
11	R11FVOCAB	R11FVOCAB : W11 IMPFLAG: VOCAB SUM SCORE	Categ
3	S3FVOCAB	S3FVOCAB: W3 IMPFLAG: VOCAB SUM SCORE	Categ
4	S4FVOCAB	S4FVOCAB: W4 IMPFLAG: VOCAB SUM SCORE	Categ
5	S5FVOCAB	S5FVOCAB: W5 IMPFLAG: VOCAB SUM SCORE	Categ
6	S6FVOCAB	S6FVOCAB: W6 IMPFLAG: VOCAB SUM SCORE	Categ
7	S7FVOCAB	S7FVOCAB: W7 IMPFLAG: VOCAB SUM SCORE	Categ
8	S8FVOCAB	S8FVOCAB : W8 IMPFLAG: VOCAB SUM SCORE	Categ
9	S9FVOCAB	S9FVOCAB : W9 IMPFLAG: VOCAB SUM SCORE	Categ
10	S10FVOCAB	S10FVOCAB : W10 IMPFLAG: VOCAB SUM SCORE	Categ
11	S11FVOCAB	S11FVOCAB : W11 IMPFLAG: VOCAB SUM SCORE	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3VOCAB	16351	5.29	2.16	0.0	10.0
R4VOCAB	12330	5.57	2.12	0.0	10.0
R5VOCAB	9504	5.47	2.11	0.0	10.0
R6VOCAB	9611	5.51	2.06	0.0	10.0
R7VOCAB	3261	5.67	2.08	0.0	10.0
R8VOCAB	10517	5.45	2.07	0.0	10.0
R9VOCAB	124	5.62	2.11	1.0	10.0
R10VOCAB	16031	5.44	2.10	0.0	10.0
R11VOCAB	463	5.32	2.08	0.0	10.0
S3VOCAB	10804	5.43	2.08	0.0	10.0
S4VOCAB	7481	5.69	2.05	0.0	10.0
S5VOCAB	5425	5.67	2.02	0.0	10.0
S6VOCAB	5499	5.65	2.00	0.0	10.0

S7VOCAB	2278	5.71	2.03	0.0	10.0
S8VOCAB	6071	5.55	2.00	0.0	10.0
S9VOCAB	122	5.63	2.12	1.0	10.0
S10VOCAB	9477	5.52	2.07	0.0	10.0
S11VOCAB	396	5.23	2.11	0.0	10.0
R3FVOCAB	16351	0.01	0.07	0.0	1.0
R4FVOCAB	19341	0.73	0.96	0.0	2.0
R5FVOCAB	17517	0.91	0.99	0.0	2.0
R6FVOCAB	16129	0.82	0.98	0.0	2.0
R7FVOCAB	18327	1.64	0.76	0.0	2.0
R8FVOCAB	17209	0.78	0.97	0.0	2.0
R9FVOCAB	16077	1.98	0.17	0.0	2.0
R10FVOCAB	20652	0.45	0.83	0.0	2.0
R11FVOCAB	19407	1.95	0.30	0.0	2.0
S3FVOCAB	10804	0.00	0.06	0.0	1.0
S4FVOCAB	12571	0.81	0.98	0.0	2.0
S5FVOCAB	11320	1.04	1.00	0.0	2.0
S6FVOCAB	10280	0.94	0.99	0.0	2.0
S7FVOCAB	11769	1.61	0.79	0.0	2.0
S8FVOCAB	10943	0.90	0.99	0.0	2.0
S9FVOCAB	9989	1.98	0.22	0.0	2.0
S10FVOCAB	12696	0.51	0.87	0.0	2.0
S11FVOCAB	11838	1.93	0.36	0.0	2.0

Categorical Variable Codes

Value	R3VOCAB	R4VOCAB	R5VOCAB	R6VOCAB	R7VOCAB
.N=Cog not asked (re-IW/ lt		7011	8013	6518	15066
.S=Proxy IW	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	595	566	441	362	393
0	524	275	215	164	60
1	379	269	220	220	60
2	625	441	344	365	95
3	1832	1048	903	811	247
4	2116	1518	1219	1259	417
5	2808	1998	1532	1690	568
6	3029	2362	1913	1920	659
7	2650	2249	1627	1606	512
8	1493	1344	962	1014	394
9	699	607	432	395	185
10	196	219	137	167	64

Value	R8VOCAB	R9VOCAB	R10VOCAB	R11VOCAB
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	6692	15856	4483	13085
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	329	456	6149
0	223		353	8
1	237	3	363	14
2	382	4	606	21
3	907	15	1427	40
4	1461	17	2269	71
5	1845	18	2871	91
6	2028	29	2989	71
7	1803	10	2583	82
8	1044	17	1539	40
9	452	7	776	20
10	135	4	255	5

Value	S3VOCAB	S4VOCAB	S5VOCAB	S6VOCAB	S7VOCAB
.N=Cog not asked (re-IW/ lt		5090	5895	4781	9491
.S=Proxy IW	722	1003	1066	1081	869
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=NR or Proxy all IW	389	404	344	278	334
0	259	118	94	71	34
1	198	137	84	98	40
2	365	235	140	179	67
3	1141	598	470	427	166
4	1380	899	675	702	275
5	1897	1229	847	949	404
6	2051	1484	1135	1130	468
7	1844	1401	1019	986	383
8	1053	859	620	617	273
9	488	387	256	242	128
10	128	134	85	98	40

Value	S8VOCAB	S9VOCAB	S10VOCAB	S11VOCAB
.M=Oth missing				1
.N=Cog not asked (re-IW/ lt	4872	9781	3091	7679
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	279	410	4014
0	92		162	8
1	113	3	182	14
2	210	4	342	20
3	493	15	828	34
4	829	16	1348	63
5	1075	18	1710	77
6	1202	28	1735	57
7	1090	10	1579	68
8	632	17	947	36
9	263	7	485	16
10	72	4	159	3

Value	R3FVOCAB	R4FVOCAB	R5FVOCAB	R6FVOCAB	R7FVOCAB
.S=Proxy IW	1045	1477	1621	1674	1409
.X=NR or Proxy all IW	595	566	441	362	393
0.Not imputed	16264	12249	9469	9477	3258
1.Imputed	87	81	92	134	3
2.NA-Not 65+, new IW, or al		7011	7956	6518	15066

Value	R8FVOCAB	R9FVOCAB	R10FVOCAB	R11FVOCAB
.M=Oth missing				1
.S=Proxy IW	931	908	1064	856
.X=NR or Proxy all IW	329	232	318	290
0.Not imputed	10409	123	15954	457
1.Imputed	108	1	77	6
2.NA-Not 65+, new IW, or al	6692	15953	4621	18944

Value	S3FVOCAB	S4FVOCAB	S5FVOCAB	S6FVOCAB	S7FVOCAB
.S=Proxy IW	722	1003	1066	1081	869
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	418	537	311	220	380
.X=NR or Proxy all IW	389	404	344	278	334
0.Not imputed	10761	7434	5434	5429	2275
1.Imputed	43	47	39	70	3
2.NA-Not 65+, new IW, or al		5090	5847	4781	9491

Value	S8FVOCAB	S9FVOCAB	S10FVOCAB	S11FVOCAB
.M=Oth missing				1
.S=Proxy IW	499	464	535	398
.U=Unmarried	6417	6206	7799	7474
.V=Spouse NR	317	365	722	592
.X=NR or Proxy all IW	293	193	282	251
0.Not imputed	6017	121	9436	392
1.Imputed	54	1	41	4
2.NA-Not 65+, new IW, or al	4872	9867	3219	11442

Format Reference Tables – complete variable value labels

Variables: VOCAB	Variables: FBWC20, FBWC86, FCACT, FDLRC, FDW, FDY, FIMRC, FMO, FPRES, FPSTME, FSCIS, FSER7, FSLFME, FVOCAB, FVP, FYR
.C=HRS-AHD ovrlap	.C=HRS-AHD ovrlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv	.Q=Not asked this cohort or wv
.S=Proxy IW	.S=Proxy IW
.U=Unmarried	.U=Unmarried
.V=Spouse NR	.V=Spouse NR
.X=NR or Proxy all IW	.X=NR or Proxy all IW
	0.Not imputed
	1.Imputed
	2.NA-Not 65+, new IW, or alt wv

How Constructed

RwVOCAB scores the Respondents ability to provide definitions of five given words.

There are two sets of words, one of which is randomly assigned at the Respondent's first interview. The two sets are then alternated in subsequent waves. The two word sets are: 1) repair, fabric, domestic, remorse, plagiarize; and 2) conceal, enormous, perimeter, compassion, audacious.

These questions were asked beginning in Wave 3. From Wave 4 forward, they are only asked of new interviewees and re-interviewees who are 65 or older.

The possible scores for each word are perfectly correct (=2), partially correct (=1), and incorrect (0). RwVOCAB is the sum of scores over the five words. If this task was skipped because the Respondent is a re-interviewee younger than 65, then special missing value .N is assigned.

RwFVOCAB indicates whether the values were imputed (=1) or not (=0). It has a value of 2 if the question was skipped because the Respondent is a re-interviewee younger than 65.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwVOCAB and SwFVOCAB were taken from the respective Rw variables for the Wave "w" spouse.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Cross Wave Differences in Original HRS Data

This task was not given in Waves 1 and 2, but is given in all later waves. From Wave 4 forward, it is only given to new interviewees and re-interviewees who are 65 or older. In Wave 9, the vocabulary questions were not asked of re-interview Respondents. Re-interview Respondents are asked the questions every 4 years rather than every two.

The frequencies for R9VOCAB and S9VOCAB are lower in Wave 9.

Imputed Cognition: Summary Scores

Wave	Variable	Label	Type
1	R1TR40	R1TR40: W1 TOTAL WORD RECALL SUMMARY SCORE	Cont
1	S1TR40	S1TR40: W1 TOTAL WORD RECALL SUMMARY SCORE	Cont
2	R2ATR20	R2ATR20: W2 AHD WORD TOTAL RECALL SUMMARY SCORE	Cont
2	S2ATR20	S2ATR20: W2 AHD WORD TOTAL RECALL SUMMARY SCORE	Cont
2	R2HTR40	R2HTR40: W2 HRS WORD TOTAL RECALL SUMMARY SCORE	Cont
2	S2HTR40	S2HTR40: W2 HRS WORD TOTAL RECALL SUMMARY SCORE	Cont
3	R3TR20	R3TR20: W3 TOTAL WORD RECALL SUMMARY SCORE	Cont
4	R4TR20	R4TR20: W4 TOTAL WORD RECALL SUMMARY SCORE	Cont
5	R5TR20	R5TR20: W5 TOTAL WORD RECALL SUMMARY SCORE	Cont
6	R6TR20	R6TR20: W6 TOTAL WORD RECALL SUMMARY SCORE	Cont
7	R7TR20	R7TR20: W7 TOTAL WORD RECALL SUMMARY SCORE	Cont
8	R8TR20	R8TR20: W8 TOTAL WORD RECALL SUMMARY SCORE	Cont
9	R9TR20	R9TR20: W9 TOTAL WORD RECALL SUMMARY SCORE	Cont
10	R10TR20	R10TR20: W10 TOTAL WORD RECALL SUMMARY SCORE	Cont
11	R11TR20	R11TR20: W11 TOTAL WORD RECALL SUMMARY SCORE	Cont
3	S3TR20	S3TR20: W3 TOTAL WORD RECALL SUMMARY SCORE	Cont
4	S4TR20	S4TR20: W4 TOTAL WORD RECALL SUMMARY SCORE	Cont
5	S5TR20	S5TR20: W5 TOTAL WORD RECALL SUMMARY SCORE	Cont
6	S6TR20	S6TR20: W6 TOTAL WORD RECALL SUMMARY SCORE	Cont
7	S7TR20	S7TR20: W7 TOTAL WORD RECALL SUMMARY SCORE	Cont
8	S8TR20	S8TR20: W8 TOTAL WORD RECALL SUMMARY SCORE	Cont
9	S9TR20	S9TR20: W9 TOTAL WORD RECALL SUMMARY SCORE	Cont
10	S10TR20	S10TR20: W10 TOTAL WORD RECALL SUMMARY SCORE	Cont
11	S11TR20	S11TR20: W11 TOTAL WORD RECALL SUMMARY SCORE	Cont
2	R2AMSTOT	R2AMSTOT: W2 AHD MENTAL STATUS SUMMARY SCORE	Cont
2	S2AMSTOT	S2AMSTOT: W2 AHD MENTAL STATUS SUMMARY SCORE	Cont
2	R2ACGTOT	R2ACGTOT:W2 AHD TOTAL COGNITION SUMMARY SCORE	Cont
2	S2ACGTOT	S2ACGTOT:W2 AHD TOTAL COGNITION SUMMARY SCORE	Cont
3	R3MSTOT	R3MSTOT: W3 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
4	R4MSTOT	R4MSTOT: W4 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
5	R5MSTOT	R5MSTOT: W5 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
6	R6MSTOT	R6MSTOT: W6 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
7	R7MSTOT	R7MSTOT: W7 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
8	R8MSTOT	R8MSTOT: W8 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
9	R9MSTOT	R9MSTOT: W9 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
10	R10MSTOT	R10MSTOT: W10 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
11	R11MSTOT	R11MSTOT: W11 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
3	S3MSTOT	S3MSTOT: W3 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
4	S4MSTOT	S4MSTOT: W4 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
5	S5MSTOT	S5MSTOT: W5 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
6	S6MSTOT	S6MSTOT: W6 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
7	S7MSTOT	S7MSTOT: W7 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
8	S8MSTOT	S8MSTOT: W8 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
9	S9MSTOT	S9MSTOT: W9 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
10	S10MSTOT	S10MSTOT: W10 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
11	S11MSTOT	S11MSTOT: W11 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
3	R3COGTOT	R3COGTOT: W3 TOTAL COGNITION SUMMARY SCORE	Cont
4	R4COGTOT	R4COGTOT: W4 TOTAL COGNITION SUMMARY SCORE	Cont
5	R5COGTOT	R5COGTOT: W5 TOTAL COGNITION SUMMARY SCORE	Cont
6	R6COGTOT	R6COGTOT: W6 TOTAL COGNITION SUMMARY SCORE	Cont
7	R7COGTOT	R7COGTOT: W7 TOTAL COGNITION SUMMARY SCORE	Cont
8	R8COGTOT	R8COGTOT: W8 TOTAL COGNITION SUMMARY SCORE	Cont

9	R9COGTOT	R9COGTOT: W9 TOTAL COGNITION SUMMARY SCORE	Cont
10	R10COGTOT	R10COGTOT: W10 TOTAL COGNITION SUMMARY SCORE	Cont
11	R11COGTOT	R11COGTOT: W11 TOTAL COGNITION SUMMARY SCORE	Cont
3	S3COGTOT	S3COGTOT: W3 TOTAL COGNITION SUMMARY SCORE	Cont
4	S4COGTOT	S4COGTOT: W4 TOTAL COGNITION SUMMARY SCORE	Cont
5	S5COGTOT	S5COGTOT: W5 TOTAL COGNITION SUMMARY SCORE	Cont
6	S6COGTOT	S6COGTOT: W6 TOTAL COGNITION SUMMARY SCORE	Cont
7	S7COGTOT	S7COGTOT: W7 TOTAL COGNITION SUMMARY SCORE	Cont
8	S8COGTOT	S8COGTOT: W8 TOTAL COGNITION SUMMARY SCORE	Cont
9	S9COGTOT	S9COGTOT: W9 TOTAL COGNITION SUMMARY SCORE	Cont
10	S10COGTOT	S10COGTOT: W10 TOTAL COGNITION SUMMARY SCORE	Cont
11	S11COGTOT	S11COGTOT: W11 TOTAL COGNITION SUMMARY SCORE	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TR40	11883	12.84	5.30	0.0	40.0
S1TR40	9166	13.12	5.23	0.0	40.0
R2ATR20	7382	7.71	3.94	0.0	20.0
S2ATR20	3866	8.32	3.83	0.0	20.0
R2HTR40	10691	13.94	6.19	0.0	40.0
S2HTR40	8070	14.15	6.08	0.0	40.0
R3TR20	16351	9.94	3.92	0.0	20.0
R4TR20	19341	10.21	3.88	0.0	20.0
R5TR20	17517	9.88	3.77	0.0	20.0
R6TR20	16129	9.98	3.65	0.0	20.0
R7TR20	18327	9.78	3.48	0.0	20.0
R8TR20	17209	9.72	3.61	0.0	20.0
R9TR20	16077	9.68	3.56	0.0	20.0
R10TR20	20652	9.67	3.40	0.0	20.0
R11TR20	19407	9.59	3.46	0.0	20.0
S3TR20	10804	10.35	3.76	0.0	20.0
S4TR20	12571	10.61	3.72	0.0	20.0
S5TR20	11320	10.27	3.62	0.0	20.0
S6TR20	10280	10.33	3.52	0.0	20.0
S7TR20	11769	10.13	3.35	0.0	20.0
S8TR20	10943	10.11	3.46	0.0	20.0
S9TR20	9989	10.01	3.44	0.0	20.0
S10TR20	12696	9.98	3.31	0.0	20.0
S11TR20	11838	9.94	3.37	0.0	20.0
R2AMSTOT	7382	12.10	2.83	0.0	15.0
S2AMSTOT	3866	12.59	2.54	1.0	15.0
R2ACGTOT	7382	19.81	5.85	0.0	35.0
S2ACGTOT	3866	20.91	5.43	1.0	35.0
R3MSTOT	16351	12.63	2.47	0.0	15.0

R4MSTOT	12330	12.72	2.52	0.0	15.0
R5MSTOT	9504	12.71	2.50	0.0	15.0
R6MSTOT	9611	12.52	2.64	0.0	15.0
R7MSTOT	13083	12.73	2.50	0.0	15.0
R8MSTOT	10517	12.54	2.66	0.0	15.0
R9MSTOT	10518	12.51	2.65	0.0	15.0
R10MSTOT	16031	12.27	2.52	0.0	15.0
R11MSTOT	10250	12.23	2.67	0.0	15.0
S3MSTOT	10804	12.95	2.26	0.0	15.0
S4MSTOT	7481	13.11	2.25	0.0	15.0
S5MSTOT	5425	13.08	2.25	1.0	15.0
S6MSTOT	5499	12.94	2.35	0.0	15.0
S7MSTOT	7935	13.06	2.25	0.0	15.0
S8MSTOT	6071	12.90	2.40	0.0	15.0
S9MSTOT	6039	12.89	2.37	0.0	15.0
S10MSTOT	9477	12.58	2.32	0.0	15.0
S11MSTOT	5923	12.59	2.45	0.0	15.0
R3COGTOT	16351	22.57	5.46	0.0	35.0
R4COGTOT	12330	22.16	5.53	0.0	35.0
R5COGTOT	9504	21.52	5.35	0.0	35.0
R6COGTOT	9611	21.66	5.35	0.0	35.0
R7COGTOT	13083	22.02	5.16	0.0	35.0
R8COGTOT	10517	21.38	5.37	0.0	35.0
R9COGTOT	10518	21.50	5.31	0.0	35.0
R10COGTOT	16031	21.58	5.01	0.0	35.0
R11COGTOT	10250	21.09	5.29	0.0	35.0
S3COGTOT	10804	23.30	5.05	0.0	35.0
S4COGTOT	7481	23.00	5.10	0.0	35.0
S5COGTOT	5425	22.27	4.96	1.0	35.0
S6COGTOT	5499	22.40	4.96	0.0	35.0
S7COGTOT	7935	22.73	4.78	1.0	35.0
S8COGTOT	6071	22.10	4.96	0.0	35.0
S9COGTOT	6039	22.17	4.91	0.0	35.0
S10COGTOT	9477	22.19	4.68	1.0	35.0
S11COGTOT	5923	21.79	4.94	0.0	35.0

How Constructed

R1TR40, R2ATR20, R2HTR40, and RwTR20 are summary scores for total word recall. R2AMSTOT and RwMSTOT summarize the mental status items. R2ACGTOT and RwCOGTOT summarize word recall and mental status together.

The total word recall summary variables sum the immediate and delayed word recall scores. In Waves 1 and 2H, the word list contained 20 nouns, while in other waves, the list contained 10 words. The variable name suffix indicates the maximum score possible for total word recall, e.g., R1TR40 (range 0-40) is the sum of R1IMRC20 (range 0-20) and R1DLRC20 (range 0-20), and R4TR20 (range 0-20) is the sum of R4IMRC (range 0-10) and R4DLRC (range 0-10). The variables R1TR40, R2HTR40, and R2ATR20 are named to indicate this difference in the measures for Waves 1 and 2.

The mental status summary sums the scores for serial 7's (RwSER7, 0-5), backwards counting from 20 (RwBWC2, 0-2), and object (RwCACT, RwSCIS; 0-2 total), date (RwDY, RwMO, RwYR, RwDW; 0-4 total), and President/Vice-President (RwPRES, RwVP; 0-2 total) naming tasks. The resulting range is 0-15. Since these items were not included in Waves 1 and

2H, there is no mental summary score for these waves, and the Wave 2A summary is called R2AMSTOT to indicate that it is limited to the AHEAD cohort in Wave 2.

The total cognition score sums the total word recall and mental status summary scores, resulting in a range of 0-35. For Wave 2A, R2ACOGTOT is the sum of R2ATR20 and R2AMSTOT. RwCOGTOT is the sum of RwTR20 and RwMSTOT for all other waves. RwCOGTOT is not available in Waves 1 and 2H.

In Wave 2H, R2ATR20, R2AMSTOT, and R2ACGTOT are set to special missing .Q to indicate that they are missing for all HRS Respondents. In Wave 2H, R2HTR40 is set to special missing .Q to indicate that it is missing for all AHEAD Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw cognition summary variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable name R2ACGTOT has been shortened from R2ACOGTOT in the original HRS imputation file to conform to the current 8-character limit.

General Comments

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are calculated only for the final release data. Please refer to
Documentation of Cognitive Functioning Measures in the Health and Retirement Study (Wallace et.al., 2005) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

Section C: Financial and Housing Wealth

Net value of real estate (not primary residence)

Wave	Variable	Label	Type
1	H1ARLES	H1ARLES:W1 Assets:Other Real estate--Cross-wave	Cont
2	H2ARLES	H2ARLES:W2 Assets:Other Real estate--Cross-wave	Cont
3	H3ARLES	H3ARLES:W3 Assets:Other Real estate--Cross-wave	Cont
4	H4ARLES	H4ARLES:W4 Assets:Other Real estate--Cross-wave	Cont
5	H5ARLES	H5ARLES:W5 Assets:Other Real estate--Cross-wave	Cont
6	H6ARLES	H6ARLES:W6 Assets:Other Real estate--Cross-wave	Cont
7	H7ARLES	H7ARLES:W7 Assets:Other Real estate--Cross-wave	Cont
8	H8ARLES	H8ARLES:W8 Assets:Other Real estate--Cross-wave	Cont
9	H9ARLES	H9ARLES:W9 Assets:Other Real estate--Cross-wave	Cont
10	H10ARLES	H10ARLES:W10 Assets:Other Real estate--Cross-wave	Cont
11	H11ARLES	H11ARLES:W11 Assets:Other Real estate--Cross-wave	Cont
12	H12ARLES	H12ARLES:W12 Assets:Other Real estate--Cross-wave	Cont
1	H1AFRLES	H1AFRLES:W1 Assets Flag:Other Real estate--Cross-wave	Categ
2	H2AFRLES	H2AFRLES:W2 Assets Flag:Other Real estate--Cross-wave	Categ
3	H3AFRLES	H3AFRLES:W3 Assets Flag:Other Real estate--Cross-wave	Categ
4	H4AFRLES	H4AFRLES:W4 Assets Flag:Other Real estate--Cross-wave	Categ
5	H5AFRLES	H5AFRLES:W5 Assets Flag:Other Real estate--Cross-wave	Categ
6	H6AFRLES	H6AFRLES:W6 Assets Flag:Other Real estate--Cross-wave	Categ
7	H7AFRLES	H7AFRLES:W7 Assets Flag:Other Real estate--Cross-wave	Categ
8	H8AFRLES	H8AFRLES:W8 Assets Flag:Other Real estate--Cross-wave	Categ
9	H9AFRLES	H9AFRLES:W9 Assets Flag:Other Real estate--Cross-wave	Categ
10	H10AFRLES	H10AFRLES:W10 Assets Flag:Other Real estate--Cross-wave	Categ
11	H11AFRLES	H11AFRLES:W11 Assets Flag:Other Real estate--Cross-wave	Categ
12	H12AFRLES	H12AFRLES:W12 Assets Flag:Other Real estate--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ARLES	12652	32663.83	149825.33	-20000.0	4500000.0
H2ARLES	19642	35095.53	184766.41	-1.0	5138515.3
H3ARLES	17991	37214.57	190080.21	0.0	6000000.0
H4ARLES	21384	37486.28	249216.13	0.0	10000000.0
H5ARLES	19579	39802.94	306174.28	0.0	20000000.0
H6ARLES	18165	40779.63	328609.44	0.0	25000000.0
H7ARLES	20129	45985.04	317161.29	0.0	15000000.0
H8ARLES	18469	53846.81	313462.22	0.0	10000000.0
H9ARLES	17217	61797.37	508868.08	0.0	35000000.0
H10ARLES	22034	38516.31	288191.31	-60000.0	13835115.6
H11ARLES	20554	35192.57	271960.32	0.0	20000000.0
H12ARLES	18748	39083.83	334056.40	-10000.0	25000000.0
H1AFRLES	12652	4.90	2.05	1.0	9.0
H2AFRLES	19642	4.95	2.05	1.0	9.0
H3AFRLES	17991	5.01	1.99	1.0	9.0
H4AFRLES	21384	5.19	1.86	1.0	9.0
H5AFRLES	19579	5.18	1.85	1.0	9.0
H6AFRLES	18165	5.24	1.79	1.0	9.0
H7AFRLES	20129	5.29	1.74	1.0	9.0
H8AFRLES	18469	5.31	1.72	1.0	9.0
H9AFRLES	17217	5.36	1.67	1.0	9.0
H10AFRLES	22034	5.45	1.68	1.0	9.0
H11AFRLES	20554	5.43	1.64	1.0	9.0
H12AFRLES	18748	5.44	1.64	1.0	9.0

Categorical Variable Codes

Value	H1AFRLES	H2AFRLES	H3AFRLES	H4AFRLES	H5AFRLES	H6AFRLES	H7AFRLES
1.Continuous value	2352	3521	3086	2989	2787	2480	2508
2.Complete bracket	464	865	551	659	548	365	432
3.Incomplete bracket	39	48	157	71	61	35	47
4.Range card bracket	186						
5.No value/bracket	98	148	122	187	177	191	203
6.No asset	9361	14704	13840	17140	15765	14919	16724
7.DK ownership	57	179	109	167	117	130	128
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFRLES	H9AFRLES	H10AFRLES	H11AFRLES	H12AFRLES
1.Continuous value	2263	1948	2365	2198	2004
2.Complete bracket	370	326	340	293	243
3.Incomplete bracket	42	37	38	39	31
5.No value/bracket	179	154	159	148	128
6.No asset	15451	14557	18527	17559	15969
7.DK ownership	101	121	207	148	174
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed net value of real estate is assigned to HwARLES. The HwAFRLES variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of real estate, besides the primary residence, is asked at each wave. The question wording is the same at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any real estate and if so, the value of it:

a) "Do you [or your spouse/partner] have any real estate other than your main home (and your second home), such as land, rental real estate, a partnership, or money owed to you on a land contract or mortgage?"

b) "If you sold all that and paid off any debts on it, how much would you get?"

If the Respondent refuses or doesn't know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15201          M2:OTHER REAL ESTATE:IND
    V15202          M3:$VAL OF THIS PROP:IND
    V5201           M2:OTHER REAL ESTATE:IMP
    V5202           M3:$VAL OF THIS PROP:IMP
    V5203           M3: ORIGINAL BRACKETS
AHEAD 1993:
    B1720           K2. REAL ESTATE: ANY
    B1721           K3. REAL ESTATE: NET VALUE
    B1721C          CATEG: K3. REAL ESTATE: NET VALUE
HRS 1994:
    W15500          K2. Imputation Indicator
    W15501          K3. Imputation Indicator
    W5500           K2.REAL ESTATE
    W5501           K3.VALUE OF REAL ESTATE
    W5502           K3a-K3d. Brackets
AHEAD 1995:
    D3964           J14.REAL ESTATE
    D3965           J15.REAL ESTATE $
    D3969B          J15.REAL ESTATE $/Bkt
HRS 1996:
    E4070           J76.REAL ESTATE
    E4071           J77.REAL ESTATE $
    E4072B          J77.REAL ESTATE $/Bkt
HRS 1998:
    F4830           J76.REAL ESTATE
    F4831           J77.REAL ESTATE $
    F4832B          J77.(J15)REAL ESTATE $-Bkt
HRS 2000:
    G5275           J76.REAL ESTATE
    G5276           J77.REAL ESTATE $
    G5277           J77A1.DK-2500
    G5278           J77B1.DK-125K
    G5279           J77C1.DK-500K
    G5280           J77D1.DK-1 MIL
    G5281           J77E1.DK-125K
    G5282           J77F1.DK-2500
HRS 2002:
    HQ133           REAL ESTATE ASSET
    HQ134           REAL ESTATE ASSET AMT
    HQ135           REAL ESTATE ASSET AMT - MIN
    HQ136           REAL ESTATE ASSET AMT - MAX
    HQ137           REAL ESTATE ASSET AMT - RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ133           REAL ESTATE ASSET
    JQ134           REAL ESTATE ASSET AMT
    JQ135           REAL ESTATE ASSET AMT - MIN
    JQ136           REAL ESTATE ASSET AMT - MAX
    JQ137           REAL ESTATE ASSET AMT - RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
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    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ133           REAL ESTATE ASSET
    KQ134           REAL ESTATE ASSET AMT
    KQ135           REAL ESTATE ASSET AMT - MIN
    KQ136           REAL ESTATE ASSET AMT - MAX
    KQ137           REAL ESTATE ASSET AMT - RESULT
    KU001_11        ASSET RECONCILIATION-REAL ESTATE
    KU002_11        ASSET RECON WHICH WRONG-REAL ESTATE
    KU003_11A       ASSET RECON HOW MUCH -A-REAL ESTATE
    KU003_11B       ASSET RECON HOW MUCH-B-REAL ESTATE
    KU004_11A       ASSET RECON -MIN-A-REAL ESTATE
    KU004_11B       ASSET RECON-MIN-B-REAL ESTATE
    KU005_11A       ASSET RECON -MAX-A -REAL ESTATE
    KU005_11B       ASSET RECON-MAX-B -REAL ESTATE
    KU006_11A       ASSET RECON - RESULT-A-REAL ESTATE
    KU006_11B       ASSET RECON- RESULT-B-REAL ESTATE
    KU022_11A       WHICH WAVE WRONG-A-REAL ESTATE
    KU022_11B       WHICH WAVE WRONG-B-REAL ESTATE
HRS 2008:
    LQ133           REAL ESTATE ASSET
    LQ134           REAL ESTATE ASSET AMT
    LQ135           REAL ESTATE ASSET AMT - MIN
    LQ136           REAL ESTATE ASSET AMT - MAX
    LQ137           REAL ESTATE ASSET AMT - RESULT
```

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    LU001_11        ASSET RECONCILIATION-REAL ESTATE
    LU002_11        ASSET RECONCILIATION  WHICH WRONG-REAL ESTATE
    LU003_11A       ASSET RECONCILIATION HOW MUCH -A-REAL ESTATE
    LU003_11B       ASSET RECONCILIATION HOW MUCH-B-REAL ESTATE
    LU004_11A       ASSET RECON -MIN-A-REAL ESTATE
    LU004_11B       ASSET RECON-MIN-B-REAL ESTATE
    LU005_11A       ASSET RECON -MAX-A -REAL ESTATE
    LU005_11B       ASSET RECON-MAX-B -REAL ESTATE
    LU006_11A       ASSET RECON - RESULT-A-REAL ESTATE
    LU006_11B       ASSET RECON- RESULT-B-REAL ESTATE
    LU022_11A       WHICH WAVE WRONG-A-REAL ESTATE
    LU022_11B       WHICH WAVE WRONG-B-REAL ESTATE
HRS 2010:
    MQ133           REAL ESTATE ASSET
    MQ134           REAL ESTATE ASSET AMT
    MQ135           REAL ESTATE ASSET AMT - MIN
    MQ136           REAL ESTATE ASSET AMT - MAX
    MQ137           REAL ESTATE ASSET AMT - RESULT
    MU001_11        ASSET RECONCILIATION - REAL ESTATE
    MU002_11        ASSET RECONCILIATION - WHICH WRONG-REAL ESTATE
    MU003_11A       ASSET RECONCILIATION - HOW MUCH -A-REAL ESTATE
    MU003_11B       ASSET RECONCILIATION - HOW MUCH-B-REAL ESTATE
    MU004_11A       ASSET RECONCILIATION - MIN-A-REAL ESTATE
    MU004_11B       ASSET RECONCILIATION - MIN-B-REAL ESTATE
    MU005_11A       ASSET RECONCILIATION - MAX-A -REAL ESTATE
    MU005_11B       ASSET RECONCILIATION - MAX-B -REAL ESTATE
    MU006_11A       ASSET RECONCILIATION - RESULT-A-REAL ESTATE
    MU006_11B       ASSET RECONCILIATION - RESULT-B-REAL ESTATE
    MU022_11A       WHICH WAVE WRONG-A-REAL ESTATE
    MU022_11B       WHICH WAVE WRONG-B-REAL ESTATE
HRS 2012:
    NQ133           REAL ESTATE ASSET
    NQ134           REAL ESTATE ASSET AMT
    NQ135           REAL ESTATE ASSET AMT - MIN
    NQ136           REAL ESTATE ASSET AMT - MAX
    NQ137           REAL ESTATE ASSET AMT - RESULT
    NU001_11        ASSET RECONCILIATION - REAL ESTATE
    NU002_11        ASSET RECONCILIATION - WHICH WRONG-REAL ESTATE
    NU003_11A       ASSET RECONCILIATION - HOW MUCH -A-REAL ESTATE
    NU003_11B       ASSET RECONCILIATION - HOW MUCH-B-REAL ESTATE
    NU004_11A       ASSET RECONCILIATION - MIN-A-REAL ESTATE
    NU004_11B       ASSET RECONCILIATION - MIN-B-REAL ESTATE
    NU005_11A       ASSET RECONCILIATION - MAX-A -REAL ESTATE
    NU005_11B       ASSET RECONCILIATION - MAX-B -REAL ESTATE
    NU006_11A       ASSET RECONCILIATION - RESULT-A-REAL ESTATE
    NU006_11B       ASSET RECONCILIATION - RESULT-B-REAL ESTATE
    NU022_11A       WHICH WAVE WRONG-A-REAL ESTATE
    NU022_11B       WHICH WAVE WRONG-B-REAL ESTATE
HRS 2014:
    OQ133           REAL ESTATE ASSET
    OQ134           REAL ESTATE ASSET AMT
    OQ135           REAL ESTATE ASSET AMT - MIN
    OQ136           REAL ESTATE ASSET AMT - MAX
    OQ137           REAL ESTATE ASSET AMT - RESULT
    OU001_11        ASSET RECONCILIATION - REAL ESTATE
    OU002_11        ASSET RECONCILIATION - WHICH WRONG-REAL ESTATE
    OU003_11A       ASSET RECONCILIATION - HOW MUCH -A-REAL ESTATE
    OU003_11B       ASSET RECONCILIATION - HOW MUCH-B-REAL ESTATE
    OU004_11A       ASSET RECONCILIATION - MIN-A-REAL ESTATE
```

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OU004_11B       ASSET RECONCILIATION - MIN-B-REAL ESTATE
OU005_11A       ASSET RECONCILIATION - MAX-A -REAL ESTATE
OU005_11B       ASSET RECONCILIATION - MAX-B -REAL ESTATE
OU006_11A       ASSET RECONCILIATION - RESULT-A-REAL ESTATE
OU006_11B       ASSET RECONCILIATION - RESULT-B-REAL ESTATE
OU022_11A       WHICH WAVE WRONG-A-REAL ESTATE
OU022_11B       WHICH WAVE WRONG-B-REAL ESTATE
```

Net value of vehicles

Wave	Variable	Label	Type
1	H1ATRAN	H1ATRAN:W1 Assets:Transportation--Cross-wave	Cont
2	H2ATRAN	H2ATRAN:W2 Assets:Transportation--Cross-wave	Cont
3	H3ATRAN	H3ATRAN:W3 Assets:Transportation--Cross-wave	Cont
4	H4ATRAN	H4ATRAN:W4 Assets:Transportation--Cross-wave	Cont
5	H5ATRAN	H5ATRAN:W5 Assets:Transportation--Cross-wave	Cont
6	H6ATRAN	H6ATRAN:W6 Assets:Transportation--Cross-wave	Cont
7	H7ATRAN	H7ATRAN:W7 Assets:Transportation--Cross-wave	Cont
8	H8ATRAN	H8ATRAN:W8 Assets:Transportation--Cross-wave	Cont
9	H9ATRAN	H9ATRAN:W9 Assets:Transportation--Cross-wave	Cont
10	H10ATRAN	H10ATRAN:W10 Assets:Transportation--Cross-wave	Cont
11	H11ATRAN	H11ATRAN:W11 Assets:Transportation--Cross-wave	Cont
12	H12ATRAN	H12ATRAN:W12 Assets:Transportation--Cross-wave	Cont
1	H1AFTRAN	H1AFTRAN:W1 Assets Flag:Transportation--Cross-wave	Categ
2	H2AFTRAN	H2AFTRAN:W2 Assets Flag:Transportation--Cross-wave	Categ
3	H3AFTRAN	H3AFTRAN:W3 Assets Flag:Transportation--Cross-wave	Categ
4	H4AFTRAN	H4AFTRAN:W4 Assets Flag:Transportation--Cross-wave	Categ
5	H5AFTRAN	H5AFTRAN:W5 Assets Flag:Transportation--Cross-wave	Categ
6	H6AFTRAN	H6AFTRAN:W6 Assets Flag:Transportation--Cross-wave	Categ
7	H7AFTRAN	H7AFTRAN:W7 Assets Flag:Transportation--Cross-wave	Categ
8	H8AFTRAN	H8AFTRAN:W8 Assets Flag:Transportation--Cross-wave	Categ
9	H9AFTRAN	H9AFTRAN:W9 Assets Flag:Transportation--Cross-wave	Categ
10	H10AFTRAN	H10AFTRAN:W10 Assets Flag:Transportation--Cross-wave	Categ
11	H11AFTRAN	H11AFTRAN:W11 Assets Flag:Transportation--Cross-wave	Categ
12	H12AFTRAN	H12AFTRAN:W12 Assets Flag:Transportation--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATRAN	12652	13048.63	45324.00	0.0	3000000.0
H2ATRAN	19642	11556.11	34264.34	0.0	2000000.0
H3ATRAN	17991	11032.64	15686.47	0.0	300000.0
H4ATRAN	21384	12826.91	31662.85	0.0	3500000.0
H5ATRAN	19579	13385.78	34564.07	0.0	3500000.0
H6ATRAN	18165	14213.16	39489.22	0.0	4445000.0
H7ATRAN	20129	14472.15	33640.09	0.0	3500000.0
H8ATRAN	18469	15657.06	64245.55	0.0	8100000.0
H9ATRAN	17217	14998.89	24885.71	0.0	775000.0
H10ATRAN	22034	14116.67	43657.10	0.0	5000000.0
H11ATRAN	20554	14461.75	34746.60	0.0	3500000.0
H12ATRAN	18748	15074.48	44607.49	0.0	4700000.0
H1AFTRAN	12652	1.80	1.77	1.0	9.0
H2AFTRAN	19642	2.04	2.00	1.0	9.0
H3AFTRAN	17991	2.34	2.08	1.0	9.0
H4AFTRAN	21384	2.14	1.99	1.0	9.0
H5AFTRAN	19579	2.12	1.97	1.0	9.0
H6AFTRAN	18165	2.14	1.95	1.0	9.0
H7AFTRAN	20129	2.10	1.94	1.0	9.0
H8AFTRAN	18469	2.04	1.90	1.0	9.0
H9AFTRAN	17217	2.09	1.94	1.0	9.0
H10AFTRAN	22034	2.28	2.18	1.0	9.0
H11AFTRAN	20554	2.23	2.10	1.0	9.0
H12AFTRAN	18748	2.28	2.15	1.0	9.0

Categorical Variable Codes

Value	H1AFTRAN	H2AFTRAN	H3AFTRAN	H4AFTRAN	H5AFTRAN	H6AFTRAN	H7AFTRAN
1.Continuous value	9767	13984	11635	14106	13124	12039	13657
2.Complete bracket	1018	2105	1274	2975	2532	2318	2406
3.Incomplete bracket	41	55	520	91	85	105	116
4.Range card bracket	335						
5.No value/bracket			1366	439	480	606	667
6.No asset	1174	3032	3014	3485	3167	2991	3136
7.DK ownership	222	289	56	117	67	61	60
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFTRAN	H9AFTRAN	H10AFTRAN	H11AFTRAN	H12AFTRAN
1.Continuous value	12764	11785	15023	14180	12832
2.Complete bracket	2169	1970	1753	1550	1388
3.Incomplete bracket	107	128	169	153	101
5.No value/bracket	490	454	521	476	453
6.No asset	2834	2762	4075	3949	3697
7.DK ownership	42	44	95	77	78
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed net value of vehicles is assigned to HwATRAN. The HwAFTRAN variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

In Waves 1 and 2, ownership is based solely upon whether a value is provided, as there is no direct question about ownership. This asset was being coded so that HwAFTRAN had fewer cases defined as "DK ownership." Beginning in Version G, we changed the logic to also look at the brackets. Those who did not provide any bracket information were also set to "DK ownership." [See Appendix A for a description of how many cases were affected by this change.]

Cross Wave Differences in Original HRS Data

The net value of vehicles in Wave 1 is the sum of value of a recreational vehicle (from Section D: Housing) and value of other vehicles (from Section M: Net Worth other than Housing).

From Wave 2 forward, the recreational vehicle question is dropped from the Housing section. Only the value of vehicles from Net Worth section is used.

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

```
HRS 1992:
    V10838          D50:91-R1-OWNRCMOTRH:IND
    V10839          D50A:MOTOR_HOME_VALU:IND
    V15205          M4:$VAL VEHICLES OWN:IND
    V5205           M4:$VAL VEHICLES OWN:IMP
    V5206           M4: ORIGINAL BRACKETS
    V838            D50:OWN RC OR MOTOR :IMP
    V839            D50A:VALUE:$        :IMP
AHEAD 1993:
    B1725           K4. TRANSPORTATION: NET VALUE
    B1725C          CATEG: K4. TRANSPORTATION: NET VALUE
HRS 1994:
    W15503          K4. Imputation Indicator
    W5503           K4.VALUE OF TRANSPORTATI
    W5504           K4a-K4c. Brackets
AHEAD 1995:
    D4499           J51. TRANSPORTATION
    D4500           J51A. TRANSPORTATION
    D4502B          J51A. TRANSPORTATION/Bkt
HRS 1996:
    E4500           J237.TRANSPORTATION
    E4501           J238.TRANSPORTATION
    E4502B          J238.TRANSPORTATION/Bkt
HRS 1998:
    F5260           J237.TRANSPORTATION
    F5261           J238.TRANSPORTATION
    F5262B          J238.(J51A)TRANSPORTATION-Bkt
HRS 2000:
    G5681           J237.TRANSPORTATION
    G5682           J238.TRANSPORTATION
    G5683           J238A. DK-5K
    G5684           J238Y1A. DK-25000
    G5685           J238B. DK-200000
    G5686           J238Y1B. DK-25000
    G5687           J238D. DK-5000
HRS 2002:
    HQ370           TRANSPORTATION
    HQ371           TRANSPORTATION TOTAL VALUE
    HQ372           TRANSPORTATION TOTAL VALUE - MIN
    HQ373           TRANSPORTATION TOTAL VALUE - MAX
    HQ374           TRANSPORTATION TOTAL VALUE - RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ370           TRANSPORTATION
    JQ371           TRANSPORTATION TOTAL VALUE
    JQ372           TRANSPORTATION TOTAL VALUE - MIN
    JQ373           TRANSPORTATION TOTAL VALUE - MAX
    JQ374           TRANSPORTATION TOTAL VALUE - RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
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    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ370           TRANSPORTATION
    KQ371           TRANSPORTATION TOTAL VALUE
    KQ372           TRANSPORTATION TOTAL VALUE - MIN
    KQ373           TRANSPORTATION TOTAL VALUE - MAX
    KQ374           TRANSPORTATION TOTAL VALUE - RESULT
    KU001_4         ASSET RECONCILIATION-TRANSPORTATION
    KU002_4         ASSET RECON WHICH WRONG-TRANSPORTATION
    KU003_4A        ASSET RECON HOW MUCH -A-TRANSPORTATION
    KU003_4B        ASSET RECONHOW MUCH-B-TRANSPORTATION
    KU004_4A        ASSET RECON -MIN-A-TRANSPORTATION
    KU004_4B        ASSET RECON -MIN-B-TRANSPORTATION
    KU005_4A        ASSET RECON -MAX-A -TRANSPORTATION
    KU005_4B        ASSET RECON -MAX-B -TRANSPORTATION
    KU006_4A        ASSET RECON - RESULT-A-TRANSPORTATION
    KU006_4B        ASSET RECON- RESULT-B-TRANSPORTATION
    KU022_4A        WHICH WAVE WRONG-A-TRANSPORTATION
    KU022_4B        WHICH WAVE WRONG-B-TRANSPORTATION
HRS 2008:
    LQ370           TRANSPORTATION
    LQ371           TRANSPORTATION TOTAL VALUE
    LQ372           TRANSPORTATION TOTAL VALUE - MIN
    LQ373           TRANSPORTATION TOTAL VALUE - MAX
    LQ374           TRANSPORTATION TOTAL VALUE - RESULT
    LU001_4         ASSET RECONCILIATION-TRANSPORTATION
    LU002_4         ASSET RECONCILIATION  WHICH WRONG-TRANSPORTATION
```

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    LU003_4A        ASSET RECONCILIATION HOW MUCH -A-TRANSPORTATION
    LU003_4B        ASSET RECONCILIATION HOW MUCH-B-TRANSPORTATION
    LU004_4A        ASSET RECON -MIN-A-TRANSPORTATION
    LU004_4B        ASSET RECON -MIN-B-TRANSPORTATION
    LU005_4A        ASSET RECON -MAX-A -TRANSPORTATION
    LU005_4B        ASSET RECON -MAX-B -TRANSPORTATION
    LU006_4A        ASSET RECON - RESULT-A-TRANSPORTATION
    LU006_4B        ASSET RECON- RESULT-B-TRANSPORTATION
    LU022_4A        WHICH WAVE WRONG-A-TRANSPORTATION
    LU022_4B        WHICH WAVE WRONG-B-TRANSPORTATION
HRS 2010:
    MQ370           TRANSPORTATION
    MQ371           TRANSPORTATION TOTAL VALUE
    MQ372           TRANSPORTATION TOTAL VALUE - MIN
    MQ373           TRANSPORTATION TOTAL VALUE - MAX
    MQ374           TRANSPORTATION TOTAL VALUE - RESULT
    MU001_4         ASSET RECONCILIATION - TRANSPORTATION
    MU002_4         ASSET RECONCILIATION - WHICH WRONG-TRANSPORTATION
    MU003_4A        ASSET RECONCILIATION - HOW MUCH -A-TRANSPORTATION
    MU003_4B        ASSET RECONCILIATION - HOW MUCH-B-TRANSPORTATION
    MU004_4A        ASSET RECONCILIATION - MIN-A-TRANSPORTATION
    MU004_4B        ASSET RECONCILIATION - MIN-B-TRANSPORTATION
    MU005_4A        ASSET RECONCILIATION - MAX-A -TRANSPORTATION
    MU005_4B        ASSET RECONCILIATION - MAX-B -TRANSPORTATION
    MU006_4A        ASSET RECONCILIATION - RESULT-A-TRANSPORTATION
    MU006_4B        ASSET RECONCILIATION - RESULT-B-TRANSPORTATION
    MU022_4A        WHICH WAVE WRONG-A-TRANSPORTATION
    MU022_4B        WHICH WAVE WRONG-B-TRANSPORTATION
HRS 2012:
    NQ370           TRANSPORTATION
    NQ371           TRANSPORTATION TOTAL VALUE
    NQ372           TRANSPORTATION TOTAL VALUE - MIN
    NQ373           TRANSPORTATION TOTAL VALUE - MAX
    NQ374           TRANSPORTATION TOTAL VALUE - RESULT
    NU001_4         ASSET RECONCILIATION - TRANSPORTATION
    NU002_4         ASSET RECONCILIATION - WHICH WRONG-TRANSPORTATION
    NU003_4A        ASSET RECONCILIATION - HOW MUCH -A-TRANSPORTATION
    NU003_4B        ASSET RECONCILIATION - HOW MUCH-B-TRANSPORTATION
    NU004_4A        ASSET RECONCILIATION - MIN-A-TRANSPORTATION
    NU004_4B        ASSET RECONCILIATION - MIN-B-TRANSPORTATION
    NU005_4A        ASSET RECONCILIATION - MAX-A -TRANSPORTATION
    NU005_4B        ASSET RECONCILIATION - MAX-B -TRANSPORTATION
    NU006_4A        ASSET RECONCILIATION - RESULT-A-TRANSPORTATION
    NU006_4B        ASSET RECONCILIATION - RESULT-B-TRANSPORTATION
    NU022_4A        WHICH WAVE WRONG-A-TRANSPORTATION
    NU022_4B        WHICH WAVE WRONG-B-TRANSPORTATION
HRS 2014:
    OQ370           TRANSPORTATION
    OQ371           TRANSPORTATION TOTAL VALUE
    OQ372           TRANSPORTATION TOTAL VALUE - MIN
    OQ373           TRANSPORTATION TOTAL VALUE - MAX
    OQ374           TRANSPORTATION TOTAL VALUE - RESULT
    OU001_4         ASSET RECONCILIATION - TRANSPORTATION
    OU002_4         ASSET RECONCILIATION - WHICH WRONG-TRANSPORTATION
    OU003_4A        ASSET RECONCILIATION - HOW MUCH -A-TRANSPORTATION
    OU003_4B        ASSET RECONCILIATION - HOW MUCH-B-TRANSPORTATION
    OU004_4A        ASSET RECONCILIATION - MIN-A-TRANSPORTATION
    OU004_4B        ASSET RECONCILIATION - MIN-B-TRANSPORTATION
    OU005_4A        ASSET RECONCILIATION - MAX-A -TRANSPORTATION
```

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OU005_4B        ASSET RECONCILIATION - MAX-B -TRANSPORTATION
OU006_4A        ASSET RECONCILIATION - RESULT-A-TRANSPORTATION
OU006_4B        ASSET RECONCILIATION - RESULT-B-TRANSPORTATION
OU022_4A        WHICH WAVE WRONG-A-TRANSPORTATION
OU022_4B        WHICH WAVE WRONG-B-TRANSPORTATION
```

Net value of businesses

Wave	Variable	Label	Type
1	H1ABSNS	H1ABSNS:W1 Assets:Business--Cross-wave	Cont
2	H2ABSNS	H2ABSNS:W2 Assets:Business--Cross-wave	Cont
3	H3ABSNS	H3ABSNS:W3 Assets:Business--Cross-wave	Cont
4	H4ABSNS	H4ABSNS:W4 Assets:Business--Cross-wave	Cont
5	H5ABSNS	H5ABSNS:W5 Assets:Business--Cross-wave	Cont
6	H6ABSNS	H6ABSNS:W6 Assets:Business--Cross-wave	Cont
7	H7ABSNS	H7ABSNS:W7 Assets:Business--Cross-wave	Cont
8	H8ABSNS	H8ABSNS:W8 Assets:Business--Cross-wave	Cont
9	H9ABSNS	H9ABSNS:W9 Assets:Business--Cross-wave	Cont
10	H10ABSNS	H10ABSNS:W10 Assets:Business--Cross-wave	Cont
11	H11ABSNS	H11ABSNS:W11 Assets:Business--Cross-wave	Cont
12	H12ABSNS	H12ABSNS:W12 Assets:Business--Cross-wave	Cont
1	H1AFBSNS	H1AFBSNS:W1 Assets Flag:Business--Cross-wave	Categ
2	H2AFBSNS	H2AFBSNS:W2 Assets Flag:Business--Cross-wave	Categ
3	H3AFBSNS	H3AFBSNS:W3 Assets Flag:Business--Cross-wave	Categ
4	H4AFBSNS	H4AFBSNS:W4 Assets Flag:Business--Cross-wave	Categ
5	H5AFBSNS	H5AFBSNS:W5 Assets Flag:Business--Cross-wave	Categ
6	H6AFBSNS	H6AFBSNS:W6 Assets Flag:Business--Cross-wave	Categ
7	H7AFBSNS	H7AFBSNS:W7 Assets Flag:Business--Cross-wave	Categ
8	H8AFBSNS	H8AFBSNS:W8 Assets Flag:Business--Cross-wave	Categ
9	H9AFBSNS	H9AFBSNS:W9 Assets Flag:Business--Cross-wave	Categ
10	H10AFBSNS	H10AFBSNS:W10 Assets Flag:Business--Cross-wave	Categ
11	H11AFBSNS	H11AFBSNS:W11 Assets Flag:Business--Cross-wave	Categ
12	H12AFBSNS	H12AFBSNS:W12 Assets Flag:Business--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABSNS	12652	31622.84	210796.83	-50000.0	7000000.0
H2ABSNS	19642	20871.90	150766.27	-8000.0	4500000.0
H3ABSNS	17991	26536.16	244187.23	0.0	15000000.0
H4ABSNS	21384	30741.11	605715.69	0.0	60000000.0
H5ABSNS	19579	30372.80	265480.57	0.0	12000000.0
H6ABSNS	18165	32585.14	261600.73	0.0	14000000.0
H7ABSNS	20129	43045.17	477281.25	0.0	30000000.0
H8ABSNS	18469	50937.09	497922.83	0.0	30000000.0
H9ABSNS	17217	48084.95	421543.19	0.0	20000000.0
H10ABSNS	22034	40951.49	363539.93	0.0	20000000.0
H11ABSNS	20554	40718.45	329891.62	0.0	10000000.0
H12ABSNS	18748	40797.08	372785.40	0.0	18186451.1
H1AFBSNS	12652	5.25	1.77	1.0	9.0
H2AFBSNS	19642	5.50	1.53	1.0	9.0
H3AFBSNS	17991	5.54	1.46	1.0	9.0
H4AFBSNS	21384	5.60	1.39	1.0	9.0
H5AFBSNS	19579	5.61	1.35	1.0	9.0
H6AFBSNS	18165	5.57	1.38	1.0	9.0
H7AFBSNS	20129	5.55	1.43	1.0	9.0
H8AFBSNS	18469	5.57	1.39	1.0	9.0
H9AFBSNS	17217	5.58	1.39	1.0	9.0
H10AFBSNS	22034	5.62	1.45	1.0	9.0
H11AFBSNS	20554	5.60	1.40	1.0	9.0
H12AFBSNS	18748	5.64	1.37	1.0	9.0

Categorical Variable Codes

Value	H1AFBSNS	H2AFBSNS	H3AFBSNS	H4AFBSNS	H5AFBSNS	H6AFBSNS	H7AFBSNS
1.Continuous value	1514	1550	1349	1364	1209	1230	1459
2.Complete bracket	453	617	367	505	418	395	437
3.Incomplete bracket	22	19	110	39	54	20	50
4.Range card bracket	106						
5.No value/bracket	127	104	152	216	225	236	253
6.No asset	10291	17091	15825	18946	17447	16168	17764
7.DK ownership	44	84	62	143	102	71	79
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFBSNS	H9AFBSNS	H10AFBSNS	H11AFBSNS	H12AFBSNS
1.Continuous value	1323	1197	1586	1453	1237
2.Complete bracket	312	326	341	318	270
3.Incomplete bracket	38	38	49	42	39
5.No value/bracket	271	197	197	160	138
6.No asset	16409	15309	19321	18316	16767
7.DK ownership	53	76	142	96	98
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed net value of businesses is assigned to HwABSNS. The HwAFBSNS variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of businesses is asked at each wave. The question wording is similar at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any businesses and if so, the value of them.

In Waves 1 and 2A, the questions ask:

a) "Do you [or your (husband/wife/partner)] own part or all of a business?"

b) "If you sold (all of) the business(es) and paid off any debts on (it/them), how much would you get?"

In Wave 2H the wording of the first question changes slightly to include "farm":

a) "Do you [or your (husband/wife/partner)] own part or all of a farm or business?"

Beginning in Wave 3, the first question is almost identical to the Wave 2H version, and the second question adds the word "about":

a) "Do you (or your (husband/wife/partner)) own part or all of a business or farm?"

b) "If you sold all that and then paid off any debts on it, about how much would you get?"

Beginning in Wave 6, after the value of business or farm assets is collected, a question asks whether these assets were reported previously in the interview (e.g., HQ492). Beginning in Wave 9, a follow-up question was added which asks Respondents to indicate what percentage was previously reported (LQ523). For example, in Wave 9, about 30% of business owners indicate that they had reported their business wealth as one of the following: primary residence (which could be a farm or ranch), secondary residence, or other real estate earlier in the interview (LQ492 = yes). Of these business owners, most say that all of their business assets were previously reported (LQ523 = 100%).

The raw variables for these two questions are included in the RAND Income and Wealth Imputations file for the convenience of the analyst, and can be used for adjusting total wealth to reflect the amount of wealth that is twice reported. The variables are as follows:

Wave 6: HQ492

Wave 7: JQ492

Wave 8: KQ492

Wave 9: LQ492, LQ523

Wave 10: MQ492, MQ523

Wave 11: NQ492, NQ523

Wave 12: OQ492, OQ523

For the Q523 variables that are included in the RAND Income and Wealth Imputations file, we have recoded values of 998 and 999 to .D (Don't Know) and .R (Refuse), respectively. Since the answers to Q523 reflect percentages, using special missing codes in place of 998 and 999 will allow users to generate more accurate descriptive statistics, based on a maximum value of 100.

The RAND Income and Wealth Imputations file can be downloaded from the HRS web site. The raw variables for these two questions are also included with the RAND-enhanced Fat Files.

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15208          M5:R/SP/PART OWN BUS:IND
    V15209          M6:VALUE OF BUSINESS:IND
    V5208           M5:R/SP/PART OWN BUS:IMP
    V5209           M6:VALUE OF BUSINESS:IMP
    V5210           M6: ORIGINAL BRACKETS
AHEAD 1993:
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    B1729           K5. OWN BUSINESS: ANY
    B1730           K6. OWN BUSINESS: NET VALUE
    B1730C          CATEG: K6. OWN BUSINESS: NET VALUE
HRS 1994:
    W15505          K5. Imputation Indicator
    W15506          K6. Imputation Indicator
    W5505           K5.OWN FARM OR BUSINESS
    W5506           K6.VALUE OF BUSINESS
    W5507           K6a-K6c. Brackets
AHEAD 1995:
    D4005           J17.BUSINESS
    D4006           J18.BUSINESS OR FARM $
    D4010B          J18.BUSINESS OR FARM $/Bkt
HRS 1996:
    E4096           J83.OWN BUSINESS OR FARM
    E4097           J84.BUSINESS OR FARM $
    E4098B          J84.BUSINESS OR FARM $/Bkt
HRS 1998:
    F4856           J83.BUSINESS
    F4857           J84.BUSINESS OR FARM $
    F4858B          J84.(J18)BUSINESS OR FARM $-Bkt
HRS 2000:
    G5301           J83.BUSINESS
    G5302           J84.BUSINESS OR FARM $
    G5303           J84A.DK-5K
    G5304           J84B.DK-10K
    G5305           J84C.DK-100K
    G5306           J84D.DK-1 MIL
    G5307           J84E.DK-10K
    G5308           J84F.DK-5K
HRS 2002:
    HQ147           BUSINESS OR FARM ASSETS
    HQ148           BUSINESS OR FARM EQUITY AMOUNT
    HQ149           BUSINESS OR FARM EQUITY - MIN
    HQ150           BUSINESS OR FARM EQUITY - MAX
    HQ151           BUSINESS OR FARM EQUITY - RESULT
    HQ492           BUSINESS/FARM AMT PREV REPORT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ147           BUSINESS OR FARM ASSETS
    JQ148           BUSINESS OR FARM EQUITY AMOUNT
    JQ149           BUSINESS OR FARM EQUITY - MIN
    JQ150           BUSINESS OR FARM EQUITY - MAX
    JQ151           BUSINESS OR FARM EQUITY - RESULT
    JQ492           BUSINESS/FARM AMT PREV REPORT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
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    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ147           BUSINESS OR FARM ASSETS
    KQ148           BUSINESS OR FARM EQUITY AMOUNT
    KQ149           BUSINESS OR FARM EQUITY - MIN
    KQ150           BUSINESS OR FARM EQUITY - MAX
    KQ151           BUSINESS OR FARM EQUITY - RESULT
    KQ492           BUSINESS/FARM AMT PREV REPORT
    KU001_10        ASSET RECONCILIATION-BUS/FARM
    KU002_10        ASSET RECON WHICH WRONG-BUS/FARM
    KU003_10A       ASSET RECON HOW MUCH -A-BUS/FARM
    KU003_10B       ASSET RECON HOW MUCH-B-BUS/FARM
    KU004_10A       ASSET RECON-MIN-A-BUS/FARM
    KU004_10B       ASSET RECON -MIN-B-BUS/FARM
    KU005_10A       ASSET RECON -MAX-A -BUS/FARM
    KU005_10B       ASSET RECON -MAX-B -BUS/FARM
    KU006_10A       ASSET RECON- RESULT-A-BUS/FARM
    KU006_10B       ASSET RECON - RESULT-B-BUS/FARM
    KU022_10A       WHICH WAVE  WRONG-A-BUS/FARM
    KU022_10B       WHICH WAVE WRONG-B-BUS/FARM
HRS 2008:
    LQ147           BUSINESS OR FARM ASSETS
    LQ148           BUSINESS OR FARM EQUITY AMOUNT
    LQ149           BUSINESS OR FARM EQUITY - MIN
    LQ150           BUSINESS OR FARM EQUITY - MAX
    LQ151           BUSINESS OR FARM EQUITY - RESULT
    LQ492           BUSINESS/FARM AMT PREV REPORT
    LQ523           BUSINESS/FARM PERCENT REPORTED
    LU001_10        ASSET RECONCILIATION-BUS/FARM
    LU002_10        ASSET RECONCILIATION WHICH WRONG-BUS/FARM
    LU003_10A       ASSET RECONCILIATION HOW MUCH -A-BUS/FARM
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    LU003_10B       ASSET RECONCILIATION HOW MUCH-B-BUS/FARM
    LU004_10A       ASSET RECON-MIN-A-BUS/FARM
    LU004_10B       ASSET RECON -MIN-B-BUS/FARM
    LU005_10A       ASSET RECON -MAX-A -BUS/FARM
    LU005_10B       ASSET RECON -MAX-B -BUS/FARM
    LU006_10A       ASSET RECON- RESULT-A-BUS/FARM
    LU006_10B       ASSET RECON - RESULT-B-BUS/FARM
    LU022_10A       WHICH WAVE WRONG-A-BUS/FARM
    LU022_10B       WHICH WAVE WRONG-B-BUS/FARM
HRS 2010:
    MQ147           BUSINESS OR FARM ASSETS
    MQ148           BUSINESS OR FARM EQUITY AMOUNT
    MQ149           BUSINESS OR FARM EQUITY - MIN
    MQ150           BUSINESS OR FARM EQUITY - MAX
    MQ151           BUSINESS OR FARM EQUITY - RESULT
    MQ492           BUSINESS/FARM AMT PREV REPORT
    MU001_10        ASSET RECONCILIATION - BUS/FARM
    MU002_10        ASSET RECONCILIATION - WHICH WRONG-BUS/FARM
    MU003_10A       ASSET RECONCILIATION - HOW MUCH -A-BUS/FARM
    MU003_10B       ASSET RECONCILIATION - HOW MUCH-B-BUS/FARM
    MU004_10A       ASSET RECONCILIATION - MIN-A-BUS/FARM
    MU004_10B       ASSET RECONCILIATION - MIN-B-BUS/FARM
    MU005_10A       ASSET RECONCILIATION - MAX-A -BUS/FARM
    MU005_10B       ASSET RECONCILIATION - MAX-B -BUS/FARM
    MU006_10A       ASSET RECONCILIATION - RESULT-A-BUS/FARM
    MU006_10B       ASSET RECONCILIATION - RESULT-B-BUS/FARM
    MU022_10A       WHICH WAVE WRONG-A-BUS/FARM
    MU022_10B       WHICH WAVE WRONG-B-BUS/FARM
HRS 2012:
    NQ147           BUSINESS OR FARM ASSETS
    NQ148           BUSINESS OR FARM EQUITY AMOUNT
    NQ149           BUSINESS OR FARM EQUITY - MIN
    NQ150           BUSINESS OR FARM EQUITY - MAX
    NQ151           BUSINESS OR FARM EQUITY - RESULT
    NQ492           BUSINESS/FARM AMT PREV REPORT
    NU001_10        ASSET RECONCILIATION - BUS/FARM
    NU002_10        ASSET RECONCILIATION - WHICH WRONG-BUS/FARM
    NU003_10A       ASSET RECONCILIATION - HOW MUCH -A-BUS/FARM
    NU003_10B       ASSET RECONCILIATION - HOW MUCH-B-BUS/FARM
    NU004_10A       ASSET RECONCILIATION - MIN-A-BUS/FARM
    NU004_10B       ASSET RECONCILIATION - MIN-B-BUS/FARM
    NU005_10A       ASSET RECONCILIATION - MAX-A -BUS/FARM
    NU005_10B       ASSET RECONCILIATION - MAX-B -BUS/FARM
    NU006_10A       ASSET RECONCILIATION - RESULT-A-BUS/FARM
    NU006_10B       ASSET RECONCILIATION - RESULT-B-BUS/FARM
    NU022_10A       WHICH WAVE WRONG-A-BUS/FARM
    NU022_10B       WHICH WAVE WRONG-B-BUS/FARM
HRS 2014:
    OQ147           BUSINESS OR FARM ASSETS
    OQ148           BUSINESS OR FARM EQUITY AMOUNT
    OQ149           BUSINESS OR FARM EQUITY - MIN
    OQ150           BUSINESS OR FARM EQUITY - MAX
    OQ151           BUSINESS OR FARM EQUITY - RESULT
    OQ492           BUSINESS/FARM AMT PREV REPORT
    OU001_10        ASSET RECONCILIATION - BUS/FARM
    OU002_10        ASSET RECONCILIATION - WHICH WRONG-BUS/FARM
    OU003_10A       ASSET RECONCILIATION - HOW MUCH -A-BUS/FARM
    OU003_10B       ASSET RECONCILIATION - HOW MUCH-B-BUS/FARM
    OU004_10A       ASSET RECONCILIATION - MIN-A-BUS/FARM
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OU004_10B       ASSET RECONCILIATION - MIN-B-BUS/FARM
OU005_10A       ASSET RECONCILIATION - MAX-A -BUS/FARM
OU005_10B       ASSET RECONCILIATION - MAX-B -BUS/FARM
OU006_10A       ASSET RECONCILIATION - RESULT-A-BUS/FARM
OU006_10B       ASSET RECONCILIATION - RESULT-B-BUS/FARM
OU022_10A       WHICH WAVE WRONG-A-BUS/FARM
OU022_10B       WHICH WAVE WRONG-B-BUS/FARM
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Net value of IRA, Keogh accounts

Wave	Variable	Label	Type
1	H1AIRA	H1AIRA:W1 Assets:IRA [total]--Cross-wave	Cont
2	H2AIRA	H2AIRA:W2 Assets:IRA [total]--Cross-wave	Cont
3	H3AIRA	H3AIRA:W3 Assets:IRA [total]--Cross-wave	Cont
4	H4AIRA	H4AIRA:W4 Assets:IRA [total]--Cross-wave	Cont
5	H5AIRA	H5AIRA:W5 Assets:IRA [total]--Cross-wave	Cont
6	H6AIRA	H6AIRA:W6 Assets:IRA [total]--Cross-wave	Cont
7	H7AIRA	H7AIRA:W7 Assets:IRA [total]--Cross-wave	Cont
8	H8AIRA	H8AIRA:W8 Assets:IRA [total]--Cross-wave	Cont
9	H9AIRA	H9AIRA:W9 Assets:IRA [total]--Cross-wave	Cont
10	H10AIRA	H10AIRA:W10 Assets:IRA [total]--Cross-wave	Cont
11	H11AIRA	H11AIRA:W11 Assets:IRA [total]--Cross-wave	Cont
12	H12AIRA	H12AIRA:W12 Assets:IRA [total]--Cross-wave	Cont
1	H1AFIRA	H1AFIRA:W1 Asst Flag: IRA [total]	Categ
2	H2AFIRA	H2AFIRA:W2 Asst Flag: IRA [total]	Categ
3	H3AFIRA	H3AFIRA:W3 Asst Flag: IRA [total]	Categ
4	H4AFIRA	H4AFIRA:W4 Asst Flag: IRA [total]	Categ
5	H5AFIRA	H5AFIRA:W5 Asst Flag: IRA [total]	Categ
6	H6AFIRA	H6AFIRA:W6 Asst Flag: IRA [total]	Categ
7	H7AFIRA	H7AFIRA:W7 Asst Flag: IRA [total]	Categ
8	H8AFIRA	H8AFIRA:W8 Asst Flag: IRA [total]	Categ
9	H9AFIRA	H9AFIRA:W9 Asst Flag: IRA [total]	Categ
10	H10AFIRA	H10AFIRA:W10 Asst Flag: IRA [total]	Categ
11	H11AFIRA	H11AFIRA:W11 Asst Flag: IRA [total]	Categ
12	H12AFIRA	H12AFIRA:W12 Asst Flag: IRA [total]	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AIRA	12652	17578.23	53750.07	0.0	1200000.0
H2AIRA	19642	19549.97	71116.36	0.0	2146326.3
H3AIRA	17991	27554.15	103535.44	0.0	3153927.3
H4AIRA	21384	38649.01	126794.95	0.0	3251803.8
H5AIRA	19579	52265.77	208431.30	0.0	12080000.0
H6AIRA	18165	48083.84	154515.86	0.0	3600000.0
H7AIRA	20129	51525.31	308325.77	0.0	35027000.0
H8AIRA	18469	67204.68	521111.48	0.0	43000000.0
H9AIRA	17217	64816.63	199312.10	0.0	5400000.0
H10AIRA	22034	55678.43	170599.33	0.0	3800000.0
H11AIRA	20554	60617.71	183855.22	0.0	3500000.0
H12AIRA	18748	73736.94	290833.35	0.0	17000000.0
H1AFIRA	12652	0.58	1.00	0.0	9.0
H2AFIRA	19642	0.49	1.03	0.0	9.0
H3AFIRA	17991	0.52	0.98	0.0	9.0
H4AFIRA	21384	0.57	1.03	0.0	9.0
H5AFIRA	19579	0.58	0.98	0.0	9.0
H6AFIRA	18165	0.54	0.84	0.0	9.0
H7AFIRA	20129	0.57	0.91	0.0	9.0
H8AFIRA	18469	0.55	0.87	0.0	9.0
H9AFIRA	17217	0.56	0.90	0.0	9.0
H10AFIRA	22034	0.63	1.33	0.0	9.0
H11AFIRA	20554	0.52	1.03	0.0	9.0
H12AFIRA	18748	0.55	1.11	0.0	9.0

Categorical Variable Codes

Value	H1AFIRA	H2AFIRA	H3AFIRA	H4AFIRA	H5AFIRA	H6AFIRA	H7AFIRA
0.No asset	7478	12977	11605	13196	11790	11121	12134
1.No imputations	3685	4860	4365	5341	5103	4538	5207
2.Some imputation	1394	1628	1895	2676	2562	2461	2701
9.No Fin Resp	95	177	126	171	124	45	87

Value	H8AFIRA	H9AFIRA	H10AFIRA	H11AFIRA	H12AFIRA
0.No asset	11149	10424	13774	13432	12053
1.No imputations	4881	4521	5378	4752	4385
2.Some imputation	2376	2198	2484	2201	2111
9.No Fin Resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed net value of IRA/Keogh is assigned to HwAIRA. HwAFIRA is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

In waves where questions ask about multiple IRA accounts, HwAIRA represents the sum of the values of all of them.

Users should note the following outliers:

1. HHIDPN: 12596010 reported a first IRA amount (OQ166_1) of $16,000,000 in Wave 12. Their spouse (HHIDPN: 12596040) will, therefore, also have this value recorded for the first IRA (H12AIRA1).

2. HHIDPN: 42050020 reported receiving three IRAs in Wave 12, but no value was provided for any of them. An amount of $2,750,764.67 was imputed for the second pension (H12AIRA2).

3. HHIDPN: 502208020 reported a third IRA amount (OQ166_3) of $1,011,000 in Wave 12. Their spouse (HHIDPN: 502208010) will, therefore, also have this value recorded for the third IRA (H12AIRA3).

Cross Wave Differences in Original HRS Data

The net value of IRA and Keogh accounts is asked at each wave. Two questions reveal whether the Respondent owns any IRA or Keogh accounts and if so, the value of them.

In Waves 1 and 2, the total of all IRA accounts is requested in one question:

a) "Do you [or your (husband/wife/partner)] have any Individual Retirement Accounts, that is, IRA or Keogh accounts?"

b) "How much in total is in all those accounts?"

Beginning in Wave 3, the questions ask about the three largest IRAs individually:

a) "Do you (or your (husband/wife/partner)) currently have any money or assets that are held in an Individual Retirement Account, that is, in an IRA or KEOGH account?"

b) "Let's talk about the (NEXT) largest IRA or KEOGH account/other IRA or KEOGH account/next largest IRA or KEOGH account/third IRA or KEOGH account/all the other IRA or KEOGH accounts. About how much is in this account at the present time?"

The second question is asked up to three times, depending on how many IRAs the Respondent reports. For each IRA, Respondents are also asked who the account belongs to, except in Wave 3, where this question is asked only for the first two IRAs. We do not use this information when creating the ownership variables (HwWOvar). Rather, if the Financial Respondent reports receiving an IRA, and that IRA does not belong to their spouse, both members of the couple will be flagged as owning the IRA.

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

```
HRS 1992:
    V15212          M7:R/SP/PARTNR HAVE :IND
    V15213          M8:$VAL OF IRA ACCOU:IND
    V5212           M7:R/SP/PARTNR HAVE :IMP
    V5213           M8:$VAL OF IRA ACCOU:IMP
    V5214           M8: ORIGINAL BRACKETS
AHEAD 1993:
    B1734           K7. IRA: ANY
    B1735           K8. IRA: TOTAL VALUE
    B1735C          CATEG: K8. IRA: TOTAL VALUE
HRS 1994:
    W15508          K7. Imputation Indicator
    W15509          K8. Imputation Indicator
    W5508           K7.IRA OR KEOGH ACCOUNTS
    W5509           K8.AMOUNT IN IRA/KEOGHS
    W5510           K8a-K8d. Brackets
AHEAD 1995:
    D4045           J20.IRA
    D4046           J20A. NUMBER IRAS
    D4048           J21.TOTAL $ IRA ACCOUNT
    D4052B          J21.TOTAL $ IRA ACCOUNT/Bkt
    D4089           J21.INTRO IRA ACCOUNT-2
    D4090           J22.TOTAL $ IRA ACCOUNT-2
    D4093B          J22.TOTAL $ IRA ACCOUNT-2/Bkt
    D4129           J22.TOTAL $ IRA ACCOUNT-3
    D4132B          J22.TOTAL $ IRA ACCOUNT-3/Bkt
HRS 1996:
    E4124           J90.IRA
    E4125           J91.NUMBER IRAS
    E4127           J93.TOTAL $ IRA ACCOUNT
    E4130B          J93.TOTAL $ IRA ACCOUNT/Bkt
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    E4148           J99.INTRO IRA ACCOUNT-2
    E4149           J100.TOTAL $ IRA ACCOUNT-2
    E4152B          J100.TOTAL $ IRA ACCOUNT-2/Bkt
    E4171           J107.TOTAL $ IRA ACCOUNT-3
    E4172B          J107.TOTAL $ IRA ACCOUNT-3/Bkt
HRS 1998:
    F4884           J90.IRA
    F4887           J93.TOTAL $ IRA ACCOUNT
    F4889B          J93.(J22-2)TOTAL $ IRA ACCOUNT-Bkt
    F4908           J99.INTRO IRA ACCOUNT-2
    F4909           J100.TOTAL $ IRA ACCOUNT-2
    F4910B          J100.(J22-2)TOTAL $ IRA ACCOUNT-2-Bkt
    F4929           J106.INTRO IRA-3
    F4930           J107.TOTAL $ IRA ACCOUNT-3
    F4931B          J107.(J22-3)TOTAL $ IRA ACCOUNT-3-Bkt
HRS 2000:
    G5329           J90.IRA
    G5332           J93.TOTAL $ IRA ACCOUNT
    G5334           J93A.IRA DK-$10K
    G5335           J93Y1A.IRA DK-$25K
    G5336           J93B.IRA DK-$100K
    G5338           J93C.IRA DK-$400K
    G5339           J93Y2A.IRA DK-$25K
    G5340           J93D.IRA DK-$10K
    G5353           J99.INTRO IRA ACCOUNT-2
    G5354           J100.TOTAL $ IRA ACCOUNT-2
    G5355           J100A.IRA DK-$10K
    G5356           J100Y1A.IRA DK-$25K
    G5357           J100B.IRA DK-$100K
    G5359           J100C.IRA DK-$400K
    G5360           J100Y2A.IRA DK-$25K
    G5361           J100D.IRA DK-$10K
    G5374           J106.INTRO IRA-3
    G5375           J107.TOTAL $ IRA ACCOUNT-3
    G5376           J107A.IRA DK-$10K
    G5377           J107Y1A.IRA DK-$25K
    G5378           J107B.IRA DK-$100K
    G5379           J107C.IRA DK-$400K
    G5380           J107Y2A.IRA DK-$25K
    G5381           J107D.IRA DK-$10K
HRS 2002:
    HQ162           IRA OR KEOGH
    HQ165_1         WHO HAS IRA ACCOUNTS -1
    HQ165_2         WHO HAS IRA ACCOUNTS -2
    HQ165_3         WHO HAS IRA ACCOUNTS -3
    HQ166_1         AMOUNT IN IRA ACCOUNT -1
    HQ166_2         AMOUNT IN IRA ACCOUNT -2
    HQ166_3         AMOUNT IN IRA ACCOUNT -3
    HQ167_1         AMT IN IRA ACCOUNT - MIN -1
    HQ167_2         AMT IN IRA ACCOUNT - MIN -2
    HQ167_3         AMT IN IRA ACCOUNT - MIN -3
    HQ168_1         AMT IN IRA ACCOUNT - MAX -1
    HQ168_2         AMT IN IRA ACCOUNT - MAX -2
    HQ168_3         AMT IN IRA ACCOUNT - MAX -3
    HQ169_1         AMT IN IRA ACCOUNT - RESULT -1
    HQ169_2         AMT IN IRA ACCOUNT - RESULT -2
    HQ169_3         AMT IN IRA ACCOUNT - RESULT -3
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
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    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ162           IRA OR KEOGH
    JQ165_1         WHO HAS IRA ACCOUNTS -1
    JQ165_2         WHO HAS IRA ACCOUNTS -2
    JQ165_3         WHO HAS IRA ACCOUNTS -3
    JQ166_1         AMOUNT IN IRA ACCOUNT -1
    JQ166_2         AMOUNT IN IRA ACCOUNT -2
    JQ166_3         AMOUNT IN IRA ACCOUNT -3
    JQ167_1         AMT IN IRA ACCOUNT - MIN -1
    JQ167_2         AMT IN IRA ACCOUNT - MIN -2
    JQ167_3         AMT IN IRA ACCOUNT - MIN -3
    JQ168_1         AMT IN IRA ACCOUNT - MAX -1
    JQ168_2         AMT IN IRA ACCOUNT - MAX -2
    JQ168_3         AMT IN IRA ACCOUNT - MAX -3
    JQ169_1         AMT IN IRA ACCOUNT - RESULT -1
    JQ169_2         AMT IN IRA ACCOUNT - RESULT -2
    JQ169_3         AMT IN IRA ACCOUNT - RESULT -3
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
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HRS 2006:
    KQ162           IRA OR KEOGH
    KQ165_1         WHO HAS IRA ACCOUNTS -1
    KQ165_2         WHO HAS IRA ACCOUNTS -2
    KQ165_3         WHO HAS IRA ACCOUNTS -3
    KQ166_1         AMOUNT IN IRA ACCOUNT -1
    KQ166_2         AMOUNT IN IRA ACCOUNT -2
    KQ166_3         AMOUNT IN IRA ACCOUNT -3
    KQ167_1         AMT IN IRA ACCOUNT - MIN -1
    KQ167_2         AMT IN IRA ACCOUNT - MIN -2
    KQ167_3         AMT IN IRA ACCOUNT - MIN -3
    KQ168_1         AMT IN IRA ACCOUNT - MAX -1
    KQ168_2         AMT IN IRA ACCOUNT - MAX -2
    KQ168_3         AMT IN IRA ACCOUNT - MAX -3
    KQ169_1         AMT IN IRA ACCOUNT - RESULT -1
    KQ169_2         AMT IN IRA ACCOUNT - RESULT -2
    KQ169_3         AMT IN IRA ACCOUNT - RESULT -3
    KU001_9         ASSET RECONCILIATION-IRA
    KU002_9         ASSET RECONCILIATION WHICH WRONG-IRA
    KU003_9A        ASSET RECONCILIATION HOW MUCH -A-IRA
    KU003_9B        ASSET RECONCILIATION HOW MUCH-B-IRA
    KU004_9A        ASSET RECONCILIATION -MIN-A-IRA
    KU004_9B        ASSET RECONCILIATION -MIN-B-IRA
    KU005_9A        ASSET RECONCILIATION -MAX-A -IRA
    KU005_9B        ASSET RECONCILIATION -MAX-B -IRA
    KU006_9A        ASSET RECONCILIATION - RESULT-A-IRA
    KU006_9B        ASSET RECONCILIATION - RESULT-B-IRA
    KU022_9A        WHICH WAVE VALUE WAS WRONG-A-IRA
    KU022_9B        WHICH WAVE VALUE WAS WRONG-B-IRA
HRS 2008:
    LQ162           IRA OR KEOGH
    LQ165_1         WHO HAS IRA ACCOUNTS -1
    LQ165_2         WHO HAS IRA ACCOUNTS -2
    LQ165_3         WHO HAS IRA ACCOUNTS -3
    LQ166_1         AMOUNT IN IRA ACCOUNT -1
    LQ166_2         AMOUNT IN IRA ACCOUNT -2
    LQ166_3         AMOUNT IN IRA ACCOUNT -3
    LQ167_1         AMT IN IRA ACCOUNT - MIN -1
    LQ167_2         AMT IN IRA ACCOUNT - MIN -2
    LQ167_3         AMT IN IRA ACCOUNT - MIN -3
    LQ168_1         AMT IN IRA ACCOUNT - MAX -1
    LQ168_2         AMT IN IRA ACCOUNT - MAX -2
    LQ168_3         AMT IN IRA ACCOUNT - MAX -3
    LQ169_1         AMT IN IRA ACCOUNT - RESULT -1
    LQ169_2         AMT IN IRA ACCOUNT - RESULT -2
    LQ169_3         AMT IN IRA ACCOUNT - RESULT -3
    LU001_9         ASSET RECONCILIATION-IRA
    LU002_9         ASSET RECONCILIATION WHICH WRONG-IRA
    LU003_9A        ASSET RECONCILIATION HOW MUCH -A-IRA
    LU003_9B        ASSET RECONCILIATION HOW MUCH-B-IRA
    LU004_9A        ASSET RECONCILIATION -MIN-A-IRA
    LU004_9B        ASSET RECONCILIATION -MIN-B-IRA
    LU005_9A        ASSET RECONCILIATION -MAX-A -IRA
    LU005_9B        ASSET RECONCILIATION -MAX-B -IRA
    LU006_9A        ASSET RECONCILIATION - RESULT-A-IRA
    LU006_9B        ASSET RECONCILIATION - RESULT-B-IRA
    LU022_9A        WHICH WAVE WRONG-A-IRA
    LU022_9B        WHICH WAVE VALUE WAS WRONG-B-IRA
HRS 2010:
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    MQ162           IRA OR KEOGH
    MQ165_1         WHO HAS IRA ACCOUNTS -1
    MQ165_2         WHO HAS IRA ACCOUNTS -2
    MQ165_3         WHO HAS IRA ACCOUNTS -3
    MQ166_1         AMOUNT IN IRA ACCOUNT -1
    MQ166_2         AMOUNT IN IRA ACCOUNT -2
    MQ166_3         AMOUNT IN IRA ACCOUNT -3
    MQ167_1         AMT IN IRA ACCOUNT - MIN -1
    MQ167_2         AMT IN IRA ACCOUNT - MIN -2
    MQ167_3         AMT IN IRA ACCOUNT - MIN -3
    MQ168_1         AMT IN IRA ACCOUNT - MAX -1
    MQ168_2         AMT IN IRA ACCOUNT - MAX -2
    MQ168_3         AMT IN IRA ACCOUNT - MAX -3
    MQ169_1         AMT IN IRA ACCOUNT - RESULT -1
    MQ169_2         AMT IN IRA ACCOUNT - RESULT -2
    MQ169_3         AMT IN IRA ACCOUNT - RESULT -3
    MU001_9         ASSET RECONCILIATION - IRA
    MU002_9         ASSET RECONCILIATION - WHICH WRONG-IRA
    MU003_9A        ASSET RECONCILIATION - HOW MUCH -A-IRA
    MU003_9B        ASSET RECONCILIATION - HOW MUCH-B-IRA
    MU004_9A        ASSET RECONCILIATION - MIN-A-IRA
    MU004_9B        ASSET RECONCILIATION - MIN-B-IRA
    MU005_9A        ASSET RECONCILIATION - MAX-A -IRA
    MU005_9B        ASSET RECONCILIATION - MAX-B -IRA
    MU006_9A        ASSET RECONCILIATION - RESULT-A-IRA
    MU006_9B        ASSET RECONCILIATION - RESULT-B-IRA
    MU022_9A        WHICH WAVE WRONG-A-IRA
    MU022_9B        WHICH WAVE VALUE WAS WRONG-B-IRA
HRS 2012:
    NQ162           IRA OR KEOGH
    NQ165_1         WHO HAS IRA ACCOUNTS -1
    NQ165_2         WHO HAS IRA ACCOUNTS -2
    NQ165_3         WHO HAS IRA ACCOUNTS -3
    NQ166_1         AMOUNT IN IRA ACCOUNT -1
    NQ166_2         AMOUNT IN IRA ACCOUNT -2
    NQ166_3         AMOUNT IN IRA ACCOUNT -3
    NQ167_1         AMT IN IRA ACCOUNT - MIN -1
    NQ167_2         AMT IN IRA ACCOUNT - MIN -2
    NQ167_3         AMT IN IRA ACCOUNT - MIN -3
    NQ168_1         AMT IN IRA ACCOUNT - MAX -1
    NQ168_2         AMT IN IRA ACCOUNT - MAX -2
    NQ168_3         AMT IN IRA ACCOUNT - MAX -3
    NQ169_1         AMT IN IRA ACCOUNT - RESULT -1
    NQ169_2         AMT IN IRA ACCOUNT - RESULT -2
    NQ169_3         AMT IN IRA ACCOUNT - RESULT -3
    NU001_9         ASSET RECONCILIATION - IRA
    NU002_9         ASSET RECONCILIATION - WHICH WRONG-IRA
    NU003_9A        ASSET RECONCILIATION - HOW MUCH -A-IRA
    NU003_9B        ASSET RECONCILIATION - HOW MUCH-B-IRA
    NU004_9A        ASSET RECONCILIATION - MIN-A-IRA
    NU004_9B        ASSET RECONCILIATION - MIN-B-IRA
    NU005_9A        ASSET RECONCILIATION - MAX-A -IRA
    NU005_9B        ASSET RECONCILIATION - MAX-B -IRA
    NU006_9A        ASSET RECONCILIATION - RESULT-A-IRA
    NU006_9B        ASSET RECONCILIATION - RESULT-B-IRA
    NU022_9A        WHICH WAVE WRONG-A-IRA
    NU022_9B        WHICH WAVE VALUE WAS WRONG-B-IRA
HRS 2014:
    OQ162           IRA OR KEOGH
```

OQ165_1	WHO HAS IRA ACCOUNTS -1
OQ165_2	WHO HAS IRA ACCOUNTS -2
OQ165_3	WHO HAS IRA ACCOUNTS -3
OQ166_1	AMOUNT IN IRA ACCOUNT -1
OQ166_2	AMOUNT IN IRA ACCOUNT -2
OQ166_3	AMOUNT IN IRA ACCOUNT -3
OQ167_1	AMT IN IRA ACCOUNT - MIN -1
OQ167_2	AMT IN IRA ACCOUNT - MIN -2
OQ167_3	AMT IN IRA ACCOUNT - MIN -3
OQ168_1	AMT IN IRA ACCOUNT - MAX -1
OQ168_2	AMT IN IRA ACCOUNT - MAX -2
OQ168_3	AMT IN IRA ACCOUNT - MAX -3
OQ169_1	AMT IN IRA ACCOUNT - RESULT -1
OQ169_2	AMT IN IRA ACCOUNT - RESULT -2
OQ169_3	AMT IN IRA ACCOUNT - RESULT -3
OU001_9	ASSET RECONCILIATION - IRA
OU002_9	ASSET RECONCILIATION - WHICH WRONG-IRA
OU003_9A	ASSET RECONCILIATION - HOW MUCH -A-IRA
OU003_9B	ASSET RECONCILIATION - HOW MUCH-B-IRA
OU004_9A	ASSET RECONCILIATION - MIN-A-IRA
OU004_9B	ASSET RECONCILIATION - MIN-B-IRA
OU005_9A	ASSET RECONCILIATION - MAX-A -IRA
OU005_9B	ASSET RECONCILIATION - MAX-B -IRA
OU006_9A	ASSET RECONCILIATION - RESULT-A-IRA
OU006_9B	ASSET RECONCILIATION - RESULT-B-IRA
OU022_9A	WHICH WAVE WRONG-A-IRA
OU022_9B	WHICH WAVE VALUE WAS WRONG-B-IRA

Net value of stocks, mutual funds, and investment trusts

Wave	Variable	Label	Type
1	H1ASTCK	H1ASTCK:W1 Assets:Stocks--Cross-wave	Cont
2	H2ASTCK	H2ASTCK:W2 Assets:Stocks--Cross-wave	Cont
3	H3ASTCK	H3ASTCK:W3 Assets:Stocks--Cross-wave	Cont
4	H4ASTCK	H4ASTCK:W4 Assets:Stocks--Cross-wave	Cont
5	H5ASTCK	H5ASTCK:W5 Assets:Stocks--Cross-wave	Cont
6	H6ASTCK	H6ASTCK:W6 Assets:Stocks--Cross-wave	Cont
7	H7ASTCK	H7ASTCK:W7 Assets:Stocks--Cross-wave	Cont
8	H8ASTCK	H8ASTCK:W8 Assets:Stocks--Cross-wave	Cont
9	H9ASTCK	H9ASTCK:W9 Assets:Stocks--Cross-wave	Cont
10	H10ASTCK	H10ASTCK:W10 Assets:Stocks--Cross-wave	Cont
11	H11ASTCK	H11ASTCK:W11 Assets:Stocks--Cross-wave	Cont
12	H12ASTCK	H12ASTCK:W12 Assets:Stocks--Cross-wave	Cont
1	H1AFSTCK	H1AFSTCK:W1 Assets Flag:Stocks--Cross-wave	Categ
2	H2AFSTCK	H2AFSTCK:W2 Assets Flag:Stocks--Cross-wave	Categ
3	H3AFSTCK	H3AFSTCK:W3 Assets Flag:Stocks--Cross-wave	Categ
4	H4AFSTCK	H4AFSTCK:W4 Assets Flag:Stocks--Cross-wave	Categ
5	H5AFSTCK	H5AFSTCK:W5 Assets Flag:Stocks--Cross-wave	Categ
6	H6AFSTCK	H6AFSTCK:W6 Assets Flag:Stocks--Cross-wave	Categ
7	H7AFSTCK	H7AFSTCK:W7 Assets Flag:Stocks--Cross-wave	Categ
8	H8AFSTCK	H8AFSTCK:W8 Assets Flag:Stocks--Cross-wave	Categ
9	H9AFSTCK	H9AFSTCK:W9 Assets Flag:Stocks--Cross-wave	Categ
10	H10AFSTCK	H10AFSTCK:W10 Assets Flag:Stocks--Cross-wave	Categ
11	H11AFSTCK	H11AFSTCK:W11 Assets Flag:Stocks--Cross-wave	Categ
12	H12AFSTCK	H12AFSTCK:W12 Assets Flag:Stocks--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ASTCK	12652	18297.61	95514.94	0.0	3978351.1
H2ASTCK	19642	25735.88	153776.27	-9500.0	7650674.4
H3ASTCK	17991	45532.53	414058.51	0.0	40000000.0
H4ASTCK	21384	54534.32	347208.81	0.0	30000000.0
H5ASTCK	19579	64973.58	380943.52	0.0	30000000.0
H6ASTCK	18165	53011.73	219162.29	0.0	12000000.0
H7ASTCK	20129	65556.99	442755.67	0.0	25000000.0
H8ASTCK	18469	75012.07	531881.68	0.0	30000000.0
H9ASTCK	17217	71522.57	404942.80	0.0	20376478.1
H10ASTCK	22034	56313.20	379581.71	0.0	31132294.5
H11ASTCK	20554	59060.45	444535.78	0.0	42300000.0
H12ASTCK	18748	62677.19	314776.04	0.0	7200000.0
H1AFSTCK	12652	4.79	2.10	1.0	9.0
H2AFSTCK	19642	4.85	2.09	1.0	9.0
H3AFSTCK	17991	4.69	2.14	1.0	9.0
H4AFSTCK	21384	4.71	2.15	1.0	9.0
H5AFSTCK	19579	4.66	2.16	1.0	9.0
H6AFSTCK	18165	4.70	2.14	1.0	9.0
H7AFSTCK	20129	4.73	2.13	1.0	9.0
H8AFSTCK	18469	4.85	2.07	1.0	9.0
H9AFSTCK	17217	4.92	2.03	1.0	9.0
H10AFSTCK	22034	5.11	1.99	1.0	9.0
H11AFSTCK	20554	5.16	1.89	1.0	9.0
H12AFSTCK	18748	5.17	1.90	1.0	9.0

Categorical Variable Codes

Value	H1AFSTCK	H2AFSTCK	H3AFSTCK	H4AFSTCK	H5AFSTCK	H6AFSTCK	H7AFSTCK
1.Continuous value	2438	3453	3604	4208	4092	3734	4143
2.Complete bracket	676	1371	1074	1554	1290	1116	1117
3.Incomplete bracket	68	116	512	184	173	108	96
4.Range card bracket	196						
5.No value/bracket	207	324	390	713	809	806	795
6.No asset	8874	13919	12043	14129	12721	11914	13519
7.DK ownership	98	282	242	425	370	442	372
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFSTCK	H9AFSTCK	H10AFSTCK	H11AFSTCK	H12AFSTCK
1.Continuous value	3552	3072	3509	2987	2729
2.Complete bracket	802	755	723	647	541
3.Incomplete bracket	88	85	115	81	104
5.No value/bracket	614	517	453	419	354
6.No asset	13014	12394	16387	15842	14419
7.DK ownership	336	320	449	409	402
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed net value of stocks and mutual funds is assigned to HwASTCK. The HwAFSTCK variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of stocks and mutual funds is asked at each wave. The question wording changes some after Wave 1, and the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any stocks or mutual funds and if so, the value of them.

In Wave 1, the questions ask:

a) "For the next few questions, please exclude any assets held in the form of IRA and Keogh accounts. Do you [or your (husband/wife/partner)] have any shares of stock in publicly held corporations, mutual funds, or investment trusts?"

b) "If you sold all that and paid off anything you owed on it, how much would you have?"

Beginning in Wave 2, the first question changes to:

a) "(Aside from anything you have already told me about...) Do you [or your (husband/wife/partner)] have any shares of stock or stock mutual funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15217          M10:STCK/MUT FND/TRU:IND
    V15218          M11:$ VAL OF INVESTM:IND
    V5217           M10:STCK/MUT FND/TRU:IMP
    V5218           M11:$ VAL OF INVESTM:IMP
    V5219           M11:ORIGINAL BRACKETS
AHEAD 1993:
    B1743           K10. STOCK/MUTUAL FUNDS: ANY
    B1744           K11. STOCK/MUTUAL FUNDS: NET VALUE
    B1744C          CATEG: K11. STOCK/MUTUAL FUNDS
HRS 1994:
    W15511          K9. Imputation Indicator
    W15512          K10. Imputation Indicato
    W5511           K9.OWN STOCKS/STOCK MUTU
    W5512           K10.VALUE OF STOCKS
    W5513           K10a-K10d. Brackets
AHEAD 1995:
    D4338           J36.STOCK ASSETS
    D4339           J37.TOTAL $ STOCKS
    D4343B          J37.TOTAL $ STOCKS/Bkt
HRS 1996:
    E4339           J207.STOCK ASSETS
    E4340           J208.TOTAL $ STOCKS
    E4341B          J208.TOTAL $ STOCKS/Bkt
HRS 1998:
    F5099           J207.STOCK ASSETS
    F5100           J208.TOTAL $ STOCKS
    F5101B          J208.(J37)TOTAL $ STOCKS-Bkt
HRS 2000:
    G5554           J207.STOCK ASSETS
    G5555           J208.TOTAL $ STOCKS
    G5556           J208A. DK-2500
    G5557           J208Y1A. DK-$25K
    G5558           J208B. DK-$125K
    G5559           J208C. DK-$400K
    G5560           J208Y2A. DK-$25K
    G5561           J208D. DK-2500
HRS 2002:
    HQ316           STOCK AND STOCK MUTUAL FUNDS
    HQ317           STOCKS TOTAL VALUE
    HQ318           STOCKS TOTAL VALUE - MIN
    HQ319           STOCKS TOTAL VALUE - MAX
    HQ320           STOCKS TOTAL VALUE - RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
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    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ316           STOCK AND STOCK MUTUAL FUNDS
    JQ317           STOCKS TOTAL VALUE
    JQ318           STOCKS TOTAL VALUE - MIN
    JQ319           STOCKS TOTAL VALUE - MAX
    JQ320           STOCKS TOTAL VALUE - RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ316           STOCK AND STOCK MUTUAL FUNDS
    KQ317           STOCKS TOTAL VALUE
    KQ318           STOCKS TOTAL VALUE - MIN
    KQ319           STOCKS TOTAL VALUE - MAX
    KQ320           STOCKS TOTAL VALUE - RESULT
    KU001_8         ASSET RECONCILIATION-STOCK
    KU002_8         ASSET RECON WHICH WRONG-STOCK
    KU003_8A        ASSET RECON HOW MUCH -A-STOCK
    KU003_8B        ASSET RECON HOW MUCH-B-STOCK
    KU004_8A        ASSET RECON -MIN-A-STOCK
    KU004_8B        ASSET RECON-MIN-B-STOCK
    KU005_8A        ASSET RECON-MAX-A -STOCK
    KU005_8B        ASSET RECON-MAX-B -STOCK
    KU006_8A        ASSET RECON - RESULT-A-STOCK
    KU006_8B        ASSET RECON- RESULT-B-STOCK
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    KU022_8A        WHICH WAVE WRONG-A-STOCK
    KU022_8B        WHICH WAVE WRONG-B-STOCK
HRS 2008:
    LQ316           STOCK AND STOCK MUTUAL FUNDS
    LQ317           STOCKS TOTAL VALUE
    LQ318           STOCKS TOTAL VALUE - MIN
    LQ319           STOCKS TOTAL VALUE - MAX
    LQ320           STOCKS TOTAL VALUE - RESULT
    LU001_8         ASSET RECONCILIATION-STOCK
    LU002_8         ASSET RECONCILIATION  WHICH WRONG-STOCK
    LU003_8A        ASSET RECONCILIATION HOW MUCH -A-STOCK
    LU003_8B        ASSET RECONCILIATION HOW MUCH-B-STOCK
    LU004_8A        ASSET RECON -MIN-A-STOCK
    LU004_8B        ASSET RECON-MIN-B-STOCK
    LU005_8A        ASSET RECON-MAX-A -STOCK
    LU005_8B        ASSET RECON-MAX-B -STOCK
    LU006_8A        ASSET RECON - RESULT-A-STOCK
    LU006_8B        ASSET RECON- RESULT-B-STOCK
    LU022_8A        WHICH WAVE WRONG-A-STOCK
    LU022_8B        WHICH WAVE WRONG-B-STOCK
HRS 2010:
    MQ316           STOCK AND STOCK MUTUAL FUNDS
    MQ317           STOCKS TOTAL VALUE
    MQ318           STOCKS TOTAL VALUE - MIN
    MQ319           STOCKS TOTAL VALUE - MAX
    MQ320           STOCKS TOTAL VALUE - RESULT
    MU001_8         ASSET RECONCILIATION - STOCK
    MU002_8         ASSET RECONCILIATION - WHICH WRONG-STOCK
    MU003_8A        ASSET RECONCILIATION - HOW MUCH -A-STOCK
    MU003_8B        ASSET RECONCILIATION - HOW MUCH-B-STOCK
    MU004_8A        ASSET RECONCILIATION - MIN-A-STOCK
    MU004_8B        ASSET RECONCILIATION - MIN-B-STOCK
    MU005_8A        ASSET RECONCILIATION - MAX-A -STOCK
    MU005_8B        ASSET RECONCILIATION - MAX-B -STOCK
    MU006_8A        ASSET RECONCILIATION - RESULT-A-STOCK
    MU006_8B        ASSET RECONCILIATION - RESULT-B-STOCK
    MU022_8A        WHICH WAVE WRONG-A-STOCK
    MU022_8B        WHICH WAVE WRONG-B-STOCK
HRS 2012:
    NQ316           STOCK AND STOCK MUTUAL FUNDS
    NQ317           STOCKS TOTAL VALUE
    NQ318           STOCKS TOTAL VALUE - MIN
    NQ319           STOCKS TOTAL VALUE - MAX
    NQ320           STOCKS TOTAL VALUE - RESULT
    NU001_8         ASSET RECONCILIATION - STOCK
    NU002_8         ASSET RECONCILIATION - WHICH WRONG-STOCK
    NU003_8A        ASSET RECONCILIATION - HOW MUCH -A-STOCK
    NU003_8B        ASSET RECONCILIATION - HOW MUCH-B-STOCK
    NU004_8A        ASSET RECONCILIATION - MIN-A-STOCK
    NU004_8B        ASSET RECONCILIATION - MIN-B-STOCK
    NU005_8A        ASSET RECONCILIATION - MAX-A -STOCK
    NU005_8B        ASSET RECONCILIATION - MAX-B -STOCK
    NU006_8A        ASSET RECONCILIATION - RESULT-A-STOCK
    NU006_8B        ASSET RECONCILIATION - RESULT-B-STOCK
    NU022_8A        WHICH WAVE WRONG-A-STOCK
    NU022_8B        WHICH WAVE WRONG-B-STOCK
HRS 2014:
    OQ316           STOCK AND STOCK MUTUAL FUNDS
    OQ317           STOCKS TOTAL VALUE
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OQ318	STOCKS TOTAL VALUE - MIN
OQ319	STOCKS TOTAL VALUE - MAX
OQ320	STOCKS TOTAL VALUE - RESULT
OU001_8	ASSET RECONCILIATION - STOCK
OU002_8	ASSET RECONCILIATION - WHICH WRONG-STOCK
OU003_8A	ASSET RECONCILIATION - HOW MUCH -A-STOCK
OU003_8B	ASSET RECONCILIATION - HOW MUCH-B-STOCK
OU004_8A	ASSET RECONCILIATION - MIN-A-STOCK
OU004_8B	ASSET RECONCILIATION - MIN-B-STOCK
OU005_8A	ASSET RECONCILIATION - MAX-A -STOCK
OU005_8B	ASSET RECONCILIATION - MAX-B -STOCK
OU006_8A	ASSET RECONCILIATION - RESULT-A-STOCK
OU006_8B	ASSET RECONCILIATION - RESULT-B-STOCK
OU022_8A	WHICH WAVE WRONG-A-STOCK
OU022_8B	WHICH WAVE WRONG-B-STOCK

Value of checking, savings, or money market accounts

Wave	Variable	Label	Type
1	H1ACHCK	H1ACHCK:W1 Assets:Checking,Savings Acct--Cross-wave	Cont
2	H2ACHCK	H2ACHCK:W2 Assets:Checking,Savings Acct--Cross-wave	Cont
3	H3ACHCK	H3ACHCK:W3 Assets:Checking,Savings Acct--Cross-wave	Cont
4	H4ACHCK	H4ACHCK:W4 Assets:Checking,Savings Acct--Cross-wave	Cont
5	H5ACHCK	H5ACHCK:W5 Assets:Checking,Savings Acct--Cross-wave	Cont
6	H6ACHCK	H6ACHCK:W6 Assets:Checking,Savings Acct--Cross-wave	Cont
7	H7ACHCK	H7ACHCK:W7 Assets:Checking,Savings Acct--Cross-wave	Cont
8	H8ACHCK	H8ACHCK:W8 Assets:Checking,Savings Acct--Cross-wave	Cont
9	H9ACHCK	H9ACHCK:W9 Assets:Checking,Savings Acct--Cross-wave	Cont
10	H10ACHCK	H10ACHCK:W10 Assets:Checking,Savings Acct--Cross-wave	Cont
11	H11ACHCK	H11ACHCK:W11 Assets:Checking,Savings Acct--Cross-wave	Cont
12	H12ACHCK	H12ACHCK:W12 Assets:Checking,Savings Acct--Cross-wave	Cont
1	H1AFCHCK	H1AFCHCK:W1 Assets Flag:Checking,Savings--Cross-wave	Categ
2	H2AFCHCK	H2AFCHCK:W2 Assets Flag:Checking,Savings--Cross-wave	Categ
3	H3AFCHCK	H3AFCHCK:W3 Assets Flag:Checking,Savings--Cross-wave	Categ
4	H4AFCHCK	H4AFCHCK:W4 Assets Flag:Checking,Savings--Cross-wave	Categ
5	H5AFCHCK	H5AFCHCK:W5 Assets Flag:Checking,Savings--Cross-wave	Categ
6	H6AFCHCK	H6AFCHCK:W6 Assets Flag:Checking,Savings--Cross-wave	Categ
7	H7AFCHCK	H7AFCHCK:W7 Assets Flag:Checking,Savings--Cross-wave	Categ
8	H8AFCHCK	H8AFCHCK:W8 Assets Flag:Checking,Savings--Cross-wave	Categ
9	H9AFCHCK	H9AFCHCK:W9 Assets Flag:Checking,Savings--Cross-wave	Categ
10	H10AFCHCK	H10AFCHCK:W10 Assets Flag:Checking,Savings--Cross-wave	Categ
11	H11AFCHCK	H11AFCHCK:W11 Assets Flag:Checking,Savings--Cross-wave	Categ
12	H12AFCHCK	H12AFCHCK:W12 Assets Flag:Checking,Savings--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACHCK	12652	12745.72	38622.02	0.0	2500000.0
H2ACHCK	19642	16865.22	47389.15	0.0	2337624.9
H3ACHCK	17991	20944.03	71756.03	0.0	2500000.0
H4ACHCK	21384	22692.36	256763.48	0.0	25000000.0
H5ACHCK	19579	21087.02	61549.24	0.0	3500000.0
H6ACHCK	18165	26370.57	255022.87	0.0	33300000.0
H7ACHCK	20129	25612.85	72983.09	0.0	3000000.0
H8ACHCK	18469	26063.75	73664.16	0.0	2500000.0
H9ACHCK	17217	28596.76	103371.77	0.0	6649052.7
H10ACHCK	22034	26939.64	97162.27	0.0	4000000.0
H11ACHCK	20554	29345.54	118454.94	0.0	7500000.0
H12ACHCK	18748	33450.67	138419.30	0.0	5540734.6
H1AFCHCK	12652	2.48	2.12	1.0	9.0
H2AFCHCK	19642	2.50	2.19	1.0	9.0
H3AFCHCK	17991	2.36	2.05	1.0	9.0
H4AFCHCK	21384	2.43	2.12	1.0	9.0
H5AFCHCK	19579	2.41	2.11	1.0	9.0
H6AFCHCK	18165	2.39	2.07	1.0	9.0
H7AFCHCK	20129	2.33	2.05	1.0	9.0
H8AFCHCK	18469	2.31	2.04	1.0	9.0
H9AFCHCK	17217	2.30	2.05	1.0	9.0
H10AFCHCK	22034	2.60	2.32	1.0	9.0
H11AFCHCK	20554	2.65	2.29	1.0	9.0
H12AFCHCK	18748	2.63	2.30	1.0	9.0

Categorical Variable Codes

Value	H1AFCHCK	H2AFCHCK	H3AFCHCK	H4AFCHCK	H5AFCHCK	H6AFCHCK	H7AFCHCK
1.Continuous value	7383	11514	10787	12635	11959	11206	12603
2.Complete bracket	1483	2638	2174	2969	2214	1890	2212
3.Incomplete bracket	173	219	853	271	238	199	199
4.Range card bracket	532						
5.No value/bracket	515	833	945	1499	1734	1914	1902
6.No asset	2357	3955	2855	3432	2958	2529	2825
7.DK ownership	114	306	251	407	352	382	301
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFCHCK	H9AFCHCK	H10AFCHCK	H11AFCHCK	H12AFCHCK
1.Continuous value	11761	11066	13685	12477	11563
2.Complete bracket	1864	1677	1472	1332	1169
3.Incomplete bracket	190	180	259	208	192
5.No value/bracket	1808	1548	1284	1235	1024
6.No asset	2507	2423	4593	4838	4318
7.DK ownership	276	249	343	295	283
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed value of checking, savings, and money market accounts is assigned to HwACHCK. The HwAFCHCK variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of checking, savings, and money market accounts is asked at each wave. The question wording is similar at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any checking, savings, or money market accounts and if so, the value of them.

In Wave 1, these questions ask:

a) "Do you [or your (husband/wife/partner)] have any money in checking or savings accounts, or money market funds?"

b) "If you added up all such accounts [for you and your (husband/wife/partner)], about how much would they amount to right now?"

Beginning in Wave 2, initial wording is added to the first question:

a) "(Aside from anything you have already told me about...) do you [or your (husband/wife/partner)] have any money in checking or savings accounts, or money market funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15221          M12:$ IN CHKNG/SAV/$:IND
    V15222          M13:$VAL OF BNK/MKT :IND
    V5221           M12:$ IN CHKNG/SAV/$:IMP
    V5222           M13:$VAL OF BNK/MKT :IMP
    V5223           M13:ORIGINAL BRACKETS
AHEAD 1993:
    B1749           K12. BANK ACCT: ANY NOT MENTION BEFORE
    B1750           K13. BANK ACCT: TOTAL VALUE
    B1750C          CATEG: K13. BANK ACCT: TOTAL VALUE
HRS 1994:
    W15514          K11. Imputation Indicato
    W15515          K12. Imputation Indicato
    W5514           K11.MONEY IN CHECKING/SA
    W5515           K12.AMOUNT IN ALL ACCOUN
    W5516           K12a-K12d. Brackets
AHEAD 1995:
    D4424           J44.CHECKING, SAVING ASSETS
    D4425           J44.TOTAL $ CHECKING, SAVINGS
    D4429B          J44.TOTAL $ CHECKING, SAVINGS/Bkt
HRS 1996:
    E4425           J222.CHECKING,SAVING ASSETS
    E4426           J223.TOTAL $ CHECKING, SAVINGS
    E4427B          J223.TOTAL $ CHECKING, SAVINGS/Bkt
HRS 1998:
    F5185           J222.CHECKING, SAVING ASSETS
    F5186           J223.TOTAL $ CHECKING, SAVINGS
    F5187B          J223.(J44)TOTAL $ CHECKING, SAVINGS-Bkt
HRS 2000:
    G5620           J222.CHECKING-SAVING ASSETS
    G5621           J223.TOTAL $ CHECKING-SAVINGS
    G5622           J223A.DK-5K
    G5623           J223B.DK-50K
    G5624           J223C.DK-150K
    G5625           J223D.DK-300K
    G5626           J223E.DK-50K
    G5627           J223F.DK-5K
HRS 2002:
    HQ344           CHECKING SAVINGS MARKET FUNDS
    HQ345           CHECKING TOTAL VALUE
    HQ346           CHECKING TOTAL VALUE - MIN
    HQ347           CHECKING TOTAL VALUE - MAX
    HQ348           CHECKING TOTAL VALUE - RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
```

```
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ344           CHECKING SAVINGS MARKET FUNDS
    JQ345           CHECKING TOTAL VALUE
    JQ346           CHECKING TOTAL VALUE - MIN
    JQ347           CHECKING TOTAL VALUE - MAX
    JQ348           CHECKING TOTAL VALUE - RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ344           CHECKING SAVINGS MARKET FUNDS
    KQ345           CHECKING TOTAL VALUE
    KQ346           CHECKING TOTAL VALUE - MIN
    KQ347           CHECKING TOTAL VALUE - MAX
    KQ348           CHECKING TOTAL VALUE - RESULT
    KU001_6         ASSET RECONCILIATION-CHECKING
    KU002_6         ASSET RECON WHICH WRONG-CHECKING
    KU003_6A        ASSET RECON HOW MUCH -A-CHECKING
    KU003_6B        ASSET RECON HOW MUCH-B-CHECKING
    KU004_6A        ASSET RECON -MIN-A-CHECKING
    KU004_6B        ASSET RECON -MIN-B-CHECKING
    KU005_6A        ASSET RECON -MAX-A -CHECKING
    KU005_6B        ASSET RECON-MAX-B -CHECKING
    KU006_6A        ASSET RECON - RESULT-A-CHECKING
    KU006_6B        ASSET RECON - RESULT-B-CHECKING
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    KU022_6A        WHICH WAVE WRONG-A-CHECKING
    KU022_6B        WHICH WAVE WRONG-B-CHECKING
HRS 2008:
    LQ344           CHECKING SAVINGS MARKET FUNDS
    LQ345           CHECKING TOTAL VALUE
    LQ346           CHECKING TOTAL VALUE - MIN
    LQ347           CHECKING TOTAL VALUE - MAX
    LQ348           CHECKING TOTAL VALUE - RESULT
    LU001_6         ASSET RECONCILIATION-CHECKING
    LU002_6         ASSET RECONCILIATION  WHICH WRONG-CHECKING
    LU003_6A        ASSET RECONCILIATION HOW MUCH -A-CHECKING
    LU003_6B        ASSET RECONCILIATION HOW MUCH-B-CHECKING
    LU004_6A        ASSET RECON -MIN-A-CHECKING
    LU004_6B        ASSET RECON -MIN-B-CHECKING
    LU005_6A        ASSET RECON -MAX-A -CHECKING
    LU005_6B        ASSET RECON-MAX-B -CHECKING
    LU006_6A        ASSET RECON - RESULT-A-CHECKING
    LU006_6B        ASSET RECON - RESULT-B-CHECKING
    LU022_6A        WHICH WAVE WRONG-A-CHECKING
    LU022_6B        WHICH WAVE WRONG-B-CHECKING
HRS 2010:
    MQ344           CHECKING SAVINGS MARKET FUNDS
    MQ345           CHECKING TOTAL VALUE
    MQ346           CHECKING TOTAL VALUE - MIN
    MQ347           CHECKING TOTAL VALUE - MAX
    MQ348           CHECKING TOTAL VALUE - RESULT
    MU001_6         ASSET RECONCILIATION - CHECKING
    MU002_6         ASSET RECONCILIATION - WHICH WRONG-CHECKING
    MU003_6A        ASSET RECONCILIATION - HOW MUCH -A-CHECKING
    MU003_6B        ASSET RECONCILIATION - HOW MUCH-B-CHECKING
    MU004_6A        ASSET RECONCILIATION - MIN-A-CHECKING
    MU004_6B        ASSET RECONCILIATION - MIN-B-CHECKING
    MU005_6A        ASSET RECONCILIATION - MAX-A -CHECKING
    MU005_6B        ASSET RECONCILIATION - MAX-B -CHECKING
    MU006_6A        ASSET RECONCILIATION - RESULT-A-CHECKING
    MU006_6B        ASSET RECONCILIATION - RESULT-B-CHECKING
    MU022_6A        WHICH WAVE WRONG-A-CHECKING
    MU022_6B        WHICH WAVE WRONG-B-CHECKING
HRS 2012:
    NQ344           CHECKING SAVINGS MARKET FUNDS
    NQ345           CHECKING TOTAL VALUE
    NQ346           CHECKING TOTAL VALUE - MIN
    NQ347           CHECKING TOTAL VALUE - MAX
    NQ348           CHECKING TOTAL VALUE - RESULT
    NU001_6         ASSET RECONCILIATION - CHECKING
    NU002_6         ASSET RECONCILIATION - WHICH WRONG-CHECKING
    NU003_6A        ASSET RECONCILIATION - HOW MUCH -A-CHECKING
    NU003_6B        ASSET RECONCILIATION - HOW MUCH-B-CHECKING
    NU004_6A        ASSET RECONCILIATION - MIN-A-CHECKING
    NU004_6B        ASSET RECONCILIATION - MIN-B-CHECKING
    NU005_6A        ASSET RECONCILIATION - MAX-A -CHECKING
    NU005_6B        ASSET RECONCILIATION - MAX-B -CHECKING
    NU006_6A        ASSET RECONCILIATION - RESULT-A-CHECKING
    NU006_6B        ASSET RECONCILIATION - RESULT-B-CHECKING
    NU022_6A        WHICH WAVE WRONG-A-CHECKING
    NU022_6B        WHICH WAVE WRONG-B-CHECKING
HRS 2014:
    OQ344           CHECKING SAVINGS MARKET FUNDS
    OQ345           CHECKING TOTAL VALUE
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OQ346	CHECKING TOTAL VALUE - MIN
OQ347	CHECKING TOTAL VALUE - MAX
OQ348	CHECKING TOTAL VALUE - RESULT
OU001_6	ASSET RECONCILIATION - CHECKING
OU002_6	ASSET RECONCILIATION - WHICH WRONG-CHECKING
OU003_6A	ASSET RECONCILIATION - HOW MUCH -A-CHECKING
OU003_6B	ASSET RECONCILIATION - HOW MUCH-B-CHECKING
OU004_6A	ASSET RECONCILIATION - MIN-A-CHECKING
OU004_6B	ASSET RECONCILIATION - MIN-B-CHECKING
OU005_6A	ASSET RECONCILIATION - MAX-A -CHECKING
OU005_6B	ASSET RECONCILIATION - MAX-B -CHECKING
OU006_6A	ASSET RECONCILIATION - RESULT-A-CHECKING
OU006_6B	ASSET RECONCILIATION - RESULT-B-CHECKING
OU022_6A	WHICH WAVE WRONG-A-CHECKING
OU022_6B	WHICH WAVE WRONG-B-CHECKING

Value of CD, government savings bonds, and T-bills

Wave	Variable	Label	Type
1	H1ACD	H1ACD:W1 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
2	H2ACD	H2ACD:W2 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
3	H3ACD	H3ACD:W3 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
4	H4ACD	H4ACD:W4 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
5	H5ACD	H5ACD:W5 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
6	H6ACD	H6ACD:W6 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
7	H7ACD	H7ACD:W7 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
8	H8ACD	H8ACD:W8 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
9	H9ACD	H9ACD:W9 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
10	H10ACD	H10ACD:W10 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
11	H11ACD	H11ACD:W11 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
12	H12ACD	H12ACD:W12 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
1	H1AFCD	H1AFCD:W1 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
2	H2AFCD	H2AFCD:W2 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
3	H3AFCD	H3AFCD:W3 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
4	H4AFCD	H4AFCD:W4 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
5	H5AFCD	H5AFCD:W5 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
6	H6AFCD	H6AFCD:W6 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
7	H7AFCD	H7AFCD:W7 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
8	H8AFCD	H8AFCD:W8 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
9	H9AFCD	H9AFCD:W9 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
10	H10AFCD	H10AFCD:W10 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
11	H11AFCD	H11AFCD:W11 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
12	H12AFCD	H12AFCD:W12 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACD	12652	6929.23	55757.38	0.0	5098536.2
H2ACD	19642	8056.00	41397.78	0.0	2240905.8
H3ACD	17991	11546.86	59221.13	0.0	3000000.0
H4ACD	21384	11790.25	58805.70	0.0	4000000.0
H5ACD	19579	14007.19	71269.77	0.0	2750384.9
H6ACD	18165	13317.14	65588.77	0.0	2025958.2
H7ACD	20129	11021.47	58546.78	0.0	2422387.2
H8ACD	18469	17304.30	124094.46	0.0	10207428.5
H9ACD	17217	19256.12	78738.59	0.0	2500000.0
H10ACD	22034	11852.60	60975.94	0.0	2200000.0
H11ACD	20554	9856.03	69146.48	0.0	5378759.3
H12ACD	18748	8848.50	64026.36	0.0	2737711.5
H1AFCD	12652	4.89	2.05	1.0	9.0
H2AFCD	19642	5.07	1.96	1.0	9.0
H3AFCD	17991	4.96	2.02	1.0	9.0
H4AFCD	21384	5.02	1.99	1.0	9.0
H5AFCD	19579	4.97	2.02	1.0	9.0
H6AFCD	18165	5.03	1.97	1.0	9.0
H7AFCD	20129	5.21	1.82	1.0	9.0
H8AFCD	18469	5.02	1.98	1.0	9.0
H9AFCD	17217	5.01	1.99	1.0	9.0
H10AFCD	22034	5.37	1.79	1.0	9.0
H11AFCD	20554	5.49	1.58	1.0	9.0
H12AFCD	18748	5.58	1.49	1.0	9.0

Categorical Variable Codes

Value	H1AFCD	H2AFCD	H3AFCD	H4AFCD	H5AFCD	H6AFCD	H7AFCD
1.Continuous value	2343	3060	3165	3536	3408	3084	2722
2.Complete bracket	470	818	554	842	760	510	536
3.Incomplete bracket	59	80	314	77	67	42	41
4.Range card bracket	213						
5.No value/bracket	204	368	446	699	775	730	691
6.No asset	9149	14760	13017	15495	13942	13179	15556
7.DK ownership	119	379	369	564	503	575	496
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFCD	H9AFCD	H10AFCD	H11AFCD	H12AFCD
1.Continuous value	3217	3057	2720	1998	1549
2.Complete bracket	447	416	377	261	203
3.Incomplete bracket	75	66	80	57	48
5.No value/bracket	707	649	375	317	241
6.No asset	13485	12492	17529	17287	16064
7.DK ownership	475	463	555	465	444
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed value of CDs, government savings bonds, and treasury bills is assigned to HwACD. The HwAFCD variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The value of CDs, government savings bonds, and treasury bills is asked at each wave. The question wording is similar at all waves but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any CDs, government savings bonds, or T-bills and if so, the value of them.

In Wave 1, the questions ask:

a) "Do you [or your (husband/wife/partner)] have any money in certificates of deposit, government savings bonds, or Treasury bills?"

b) "If you added up all such accounts [for you and your (husband/wife/partner)], about how much would they amount to right now?"

Beginning in Wave 2, initial wording is added to the first question:

a) "(Aside from anything you have already told me about...) do you [or your (husband/wife/partner)] have any money in

certificates of deposit, government savings bonds, or Treasury bills?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15225          M14:CD/SAV BOND/T-BI:IND
    V15226          M15:$VAL OF CD/BOND/:IND
    V5225           M14:CD/SAV BOND/T-BI:IMP
    V5226           M15:$VAL OF CD/BOND/:IMP
    V5227           M15:ORIGINAL BRACKETS
AHEAD 1993:
    B1755           K14. CD/SAV BONDS: ANY
    B1756           K15. CD/SAV BONDS: TOTAL VALUE $
    B1756C          CATEG: K15. CD/SAV BONDS: TOTAL VALUE $
HRS 1994:
    W15517          K13. Imputation Indicato
    W15518          K14. Imputation Indicato
    W5517           K13.CODS/SAVINGS BONDS/T
    W5518           K14.AMOUNT IN CODS/BONDS
    W5519           K14a-K14d. Brackets
AHEAD 1995:
    D4463           J47.CD,TBILL ASSETS
    D4464           J48.TOTAL $ CD
    D4468B          J48.TOTAL $ CD/Bkt
HRS 1996:
    E4464           J229.CD,TBILL ASSETS
    E4465           J230.TOTAL $ CD
    E4466B          J230.TOTAL $ CD/Bkt
HRS 1998:
    F5224           J229.CD,TBILL ASSETS
    F5225           J230.TOTAL $ CD
    F5226B          J230.(J48)TOTAL $ CD-Bkt
HRS 2000:
    G5650           J229.CD-TBILL ASSETS
    G5651           J230.TOTAL $ CD
    G5652           J230A. DK-2500
    G5653           J230Y1A.DK-$25K
    G5654           J230B.DK-$125K
    G5655           J230C.DK-$250K
    G5656           J230Y2A.DK-$25K
    G5657           J230Y3A.DK-2500
HRS 2002:
    HQ356           CDS GOVT SAVINGS TBILLS
    HQ357           CDS GOVT SAVINGS TBILLS TOTAL VALUE
    HQ358           CDS TOTAL VALUE - MIN
    HQ359           CDS TOTAL VALUE - MAX
    HQ360           CDS TOTAL VALUE - RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
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    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ356           CDS GOVT SAVINGS TBILLS
    JQ357           CDS GOVT SAVINGS TBILLS TOTAL VALUE
    JQ358           CDS TOTAL VALUE - MIN
    JQ359           CDS TOTAL VALUE - MAX
    JQ360           CDS TOTAL VALUE - RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ356           CDS GOVT SAVINGS TBILLS
    KQ357           CDS GOVT SAVINGS TBILLS TOTAL VALUE
    KQ358           CDS TOTAL VALUE - MIN
    KQ359           CDS TOTAL VALUE - MAX
    KQ360           CDS TOTAL VALUE - RESULT
    KU001_5         ASSET RECONCILIATION-CD
    KU002_5         ASSET RECONCILIATION WHICH WRONG-CD
    KU003_5A        ASSET RECONCILIATION HOW MUCH -A-CD
    KU003_5B        ASSET RECONCILIATION HOW MUCH-B-CD
    KU004_5A        ASSET RECONCILIATION -MIN-A-CD
    KU004_5B        ASSET RECONCILIATION -MIN-B-CD
    KU005_5A        ASSET RECONCILIATION -MAX-A -CD
    KU005_5B        ASSET RECONCILIATION -MAX-B -CD
    KU006_5A        ASSET RECONCILIATION - RESULT-A-CD
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    KU006_5B        ASSET RECONCILIATION - RESULT-B-CD
    KU022_5A        WHICH WAVE VALUE WAS WRONG-A-CD
    KU022_5B        WHICH WAVE VALUE WAS WRONG-B-CD
HRS 2008:
    LQ356           CDS GOVT SAVINGS TBILLS
    LQ357           CDS GOVT SAVINGS TBILLS TOTAL VALUE
    LQ358           CDS TOTAL VALUE - MIN
    LQ359           CDS TOTAL VALUE - MAX
    LQ360           CDS TOTAL VALUE - RESULT
    LU001_5         ASSET RECONCILIATION-CD
    LU002_5         ASSET RECONCILIATION WHICH WRONG-CD
    LU003_5A        ASSET RECONCILIATION HOW MUCH -A-CD
    LU003_5B        ASSET RECONCILIATION HOW MUCH-B-CD
    LU004_5A        ASSET RECONCILIATION -MIN-A-CD
    LU004_5B        ASSET RECONCILIATION -MIN-B-CD
    LU005_5A        ASSET RECONCILIATION -MAX-A -CD
    LU005_5B        ASSET RECONCILIATION -MAX-B -CD
    LU006_5A        ASSET RECONCILIATION - RESULT-A-CD
    LU006_5B        ASSET RECONCILIATION - RESULT-B-CD
    LU022_5A        WHICH WAVE WRONG-A-CD
    LU022_5B        WHICH WAVE VALUE WAS WRONG-B-CD
HRS 2010:
    MQ356           CDS GOVT SAVINGS TBILLS
    MQ357           CDS GOVT SAVINGS TBILLS TOTAL VALUE
    MQ358           CDS TOTAL VALUE - MIN
    MQ359           CDS TOTAL VALUE - MAX
    MQ360           CDS TOTAL VALUE - RESULT
    MU001_5         ASSET RECONCILIATION - CD
    MU002_5         ASSET RECONCILIATION - WHICH WRONG-CD
    MU003_5A        ASSET RECONCILIATION - HOW MUCH -A-CD
    MU003_5B        ASSET RECONCILIATION - HOW MUCH-B-CD
    MU004_5A        ASSET RECONCILIATION - MIN-A-CD
    MU004_5B        ASSET RECONCILIATION - MIN-B-CD
    MU005_5A        ASSET RECONCILIATION - MAX-A -CD
    MU005_5B        ASSET RECONCILIATION - MAX-B -CD
    MU006_5A        ASSET RECONCILIATION - RESULT-A-CD
    MU006_5B        ASSET RECONCILIATION - RESULT-B-CD
    MU022_5A        WHICH WAVE WRONG-A-CD
    MU022_5B        WHICH WAVE VALUE WAS WRONG-B-CD
HRS 2012:
    NQ356           CDS GOVT SAVINGS TBILLS
    NQ357           CDS GOVT SAVINGS TBILLS TOTAL VALUE
    NQ358           CDS TOTAL VALUE - MIN
    NQ359           CDS TOTAL VALUE - MAX
    NQ360           CDS TOTAL VALUE - RESULT
    NU001_5         ASSET RECONCILIATION - CD
    NU002_5         ASSET RECONCILIATION - WHICH WRONG-CD
    NU003_5A        ASSET RECONCILIATION - HOW MUCH -A-CD
    NU003_5B        ASSET RECONCILIATION - HOW MUCH-B-CD
    NU004_5A        ASSET RECONCILIATION - MIN-A-CD
    NU004_5B        ASSET RECONCILIATION - MIN-B-CD
    NU005_5A        ASSET RECONCILIATION - MAX-A -CD
    NU005_5B        ASSET RECONCILIATION - MAX-B -CD
    NU006_5A        ASSET RECONCILIATION - RESULT-A-CD
    NU006_5B        ASSET RECONCILIATION - RESULT-B-CD
    NU022_5A        WHICH WAVE WRONG-A-CD
    NU022_5B        WHICH WAVE VALUE WAS WRONG-B-CD
HRS 2014:
    OQ356           CDS GOVT SAVINGS TBILLS
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OQ357	CDS GOVT SAVINGS TBILLS TOTAL VALUE
OQ358	CDS TOTAL VALUE - MIN
OQ359	CDS TOTAL VALUE - MAX
OQ360	CDS TOTAL VALUE - RESULT
OU001_5	ASSET RECONCILIATION - CD
OU002_5	ASSET RECONCILIATION - WHICH WRONG-CD
OU003_5A	ASSET RECONCILIATION - HOW MUCH -A-CD
OU003_5B	ASSET RECONCILIATION - HOW MUCH-B-CD
OU004_5A	ASSET RECONCILIATION - MIN-A-CD
OU004_5B	ASSET RECONCILIATION - MIN-B-CD
OU005_5A	ASSET RECONCILIATION - MAX-A -CD
OU005_5B	ASSET RECONCILIATION - MAX-B -CD
OU006_5A	ASSET RECONCILIATION - RESULT-A-CD
OU006_5B	ASSET RECONCILIATION - RESULT-B-CD
OU022_5A	WHICH WAVE WRONG-A-CD
OU022_5B	WHICH WAVE VALUE WAS WRONG-B-CD

Net value of bonds and bond funds

Wave	Variable	Label	Type
1	H1ABOND	H1ABOND:W1 Assets:Bonds--Cross-wave	Cont
2	H2ABOND	H2ABOND:W2 Assets:Bonds--Cross-wave	Cont
3	H3ABOND	H3ABOND:W3 Assets:Bonds--Cross-wave	Cont
4	H4ABOND	H4ABOND:W4 Assets:Bonds--Cross-wave	Cont
5	H5ABOND	H5ABOND:W5 Assets:Bonds--Cross-wave	Cont
6	H6ABOND	H6ABOND:W6 Assets:Bonds--Cross-wave	Cont
7	H7ABOND	H7ABOND:W7 Assets:Bonds--Cross-wave	Cont
8	H8ABOND	H8ABOND:W8 Assets:Bonds--Cross-wave	Cont
9	H9ABOND	H9ABOND:W9 Assets:Bonds--Cross-wave	Cont
10	H10ABOND	H10ABOND:W10 Assets:Bonds--Cross-wave	Cont
11	H11ABOND	H11ABOND:W11 Assets:Bonds--Cross-wave	Cont
12	H12ABOND	H12ABOND:W12 Assets:Bonds--Cross-wave	Cont
1	H1AFBOND	H1AFBOND:W1 Assets Flag:Bonds--Cross-wave	Categ
2	H2AFBOND	H2AFBOND:W2 Assets Flag:Bonds--Cross-wave	Categ
3	H3AFBOND	H3AFBOND:W3 Assets Flag:Bonds--Cross-wave	Categ
4	H4AFBOND	H4AFBOND:W4 Assets Flag:Bonds--Cross-wave	Categ
5	H5AFBOND	H5AFBOND:W5 Assets Flag:Bonds--Cross-wave	Categ
6	H6AFBOND	H6AFBOND:W6 Assets Flag:Bonds--Cross-wave	Categ
7	H7AFBOND	H7AFBOND:W7 Assets Flag:Bonds--Cross-wave	Categ
8	H8AFBOND	H8AFBOND:W8 Assets Flag:Bonds--Cross-wave	Categ
9	H9AFBOND	H9AFBOND:W9 Assets Flag:Bonds--Cross-wave	Categ
10	H10AFBOND	H10AFBOND:W10 Assets Flag:Bonds--Cross-wave	Categ
11	H11AFBOND	H11AFBOND:W11 Assets Flag:Bonds--Cross-wave	Categ
12	H12AFBOND	H12AFBOND:W12 Assets Flag:Bonds--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABOND	12652	2811.58	29970.25	0.0	1500000.0
H2ABOND	19642	4670.55	63900.46	0.0	4500000.0
H3ABOND	17991	8568.03	93912.34	0.0	4500000.0
H4ABOND	21384	7817.93	78706.64	0.0	4000000.0
H5ABOND	19579	7910.14	71394.36	0.0	3704807.8
H6ABOND	18165	9789.00	86286.64	0.0	3500000.0
H7ABOND	20129	12152.99	122738.50	0.0	6257574.7
H8ABOND	18469	10656.20	104757.21	0.0	3669914.6
H9ABOND	17217	11132.90	98220.21	0.0	3000000.0
H10ABOND	22034	8529.12	84447.36	0.0	4000000.0
H11ABOND	20554	9641.55	204259.75	0.0	25000000.0
H12ABOND	18748	8377.70	118487.29	0.0	8500000.0
H1AFBOND	12652	5.76	1.13	1.0	9.0
H2AFBOND	19642	5.79	1.11	1.0	9.0
H3AFBOND	17991	5.68	1.27	1.0	9.0
H4AFBOND	21384	5.73	1.22	1.0	9.0
H5AFBOND	19579	5.74	1.18	1.0	9.0
H6AFBOND	18165	5.71	1.20	1.0	9.0
H7AFBOND	20129	5.74	1.16	1.0	9.0
H8AFBOND	18469	5.78	1.07	1.0	9.0
H9AFBOND	17217	5.76	1.12	1.0	9.0
H10AFBOND	22034	5.85	1.11	1.0	9.0
H11AFBOND	20554	5.82	1.04	1.0	9.0
H12AFBOND	18748	5.86	0.98	1.0	9.0

Categorical Variable Codes

Value	H1AFBOND	H2AFBOND	H3AFBOND	H4AFBOND	H5AFBOND	H6AFBOND	H7AFBOND
1.Continuous value	560	774	977	1016	878	905	894
2.Complete bracket	94	222	247	335	271	234	261
3.Incomplete bracket	8	37	120	36	33	28	23
4.Range card bracket	49						
5.No value/bracket	76	102	158	225	288	243	260
6.No asset	11661	18010	16121	19151	17562	16283	18189
7.DK ownership	109	320	242	450	423	427	415
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFBOND	H9AFBOND	H10AFBOND	H11AFBOND	H12AFBOND
1.Continuous value	725	741	813	717	558
2.Complete bracket	166	163	169	159	124
3.Incomplete bracket	18	24	36	27	28
5.No value/bracket	230	188	163	171	136
6.No asset	16923	15709	20012	18971	17338
7.DK ownership	344	318	443	340	365
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed net value of bonds or bond funds is assigned to HwABOND. The HwAFBOND variable indicates if the value is imputed, and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of bonds or bond funds is asked at each wave. The question wording is similar at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any bonds or bond funds and if so, the value of them.

In Wave 1, the questions ask:

a) "Do you [or your (husband/wife/partner)] have any corporate, municipal, government, or foreign bonds, or any bond funds?"

b) "If you sold all those bonds or bond funds and paid off anything you owed on them, how much would you have?"

Beginning in Wave 2, initial wording is added to the first question:

a) "(Aside from anything you have already told me about...) do you [or your (husband/wife/partner)] have any corporate, municipal, government, or foreign bonds, or any bond funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

```
HRS 1992:
    V15229          M16:R/SP OWN ANY BON:IND
    V15230          M17:$ VAL OF THESE B:IND
    V5229           M16:R/SP OWN ANY BON:IMP
    V5230           M17:$ VAL OF THESE B:IMP
    V5231           M17:ORIGINAL BRACKETS
AHEAD 1993:
    B1761           K16. CORP/GOVT BONDS: ANY
    B1762           K17. CORP/GOVT BONDS: NET VALUE
    B1762C          CATEG: K17. CORP/GOVT BONDS: NET VALUE
HRS 1994:
    W15520          K15. Imputation Indicato
    W15521          K16. Imputation Indicato
    W5520           K15.OWN CORPORATE/GOVT B
    W5521           K16.VALUE OF BONDS
    W5522           K16a-K16d. Brackets
AHEAD 1995:
    D4381           J40.BOND ASSETS
    D4382           J41.TOTAL $ BONDS
    D4386B          J41.TOTAL $ BONDS/Bkt
HRS 1996:
    E4382           J215.BOND ASSETS
    E4383           J216.TOTAL $ BONDS
    E4384B          J216.TOTAL $ BONDS/Bkt
HRS 1998:
    F5142           J215.BOND ASSETS
    F5143           J216.TOTAL $ BONDS
    F5144B          J216.(J41)TOTAL $ BONDS-Bkt
HRS 2000:
    G5587           J215.BOND ASSETS
    G5588           J216.TOTAL $ BONDS
    G5589           J216A.BONDS DK-2500
    G5590           J216Y1A.BONDS DK-$10K
    G5591           J216B.BONDS DK-$100K
    G5593           J216C.BONDS DK-$400K
    G5594           J216Y2A.BONDS DK-$10K
    G5595           J216D.BONDS DK-2500
HRS 2002:
    HQ330           BOND ASSETS
    HQ331           BOND ASSETS TOTAL VALUE
    HQ332           BOND ASSETS TOTAL VALUE - MIN
    HQ333           BOND ASSETS TOTAL VALUE - MAX
    HQ334           BOND ASSETS TOTAL VALUE - RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
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    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ330           BOND ASSETS
    JQ331           BOND ASSETS TOTAL VALUE
    JQ332           BOND ASSETS TOTAL VALUE - MIN
    JQ333           BOND ASSETS TOTAL VALUE - MAX
    JQ334           BOND ASSETS TOTAL VALUE - RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ330           BOND ASSETS
    KQ331           BOND ASSETS TOTAL VALUE
    KQ332           BOND ASSETS TOTAL VALUE - MIN
    KQ333           BOND ASSETS TOTAL VALUE - MAX
    KQ334           BOND ASSETS TOTAL VALUE - RESULT
    KU001_7         ASSET RECONCILIATION-BOND
    KU002_7         ASSET RECONCILIATION WHICH WRONG-BOND
    KU003_7A        ASSET RECONCILIATION HOW MUCH -A-BOND
    KU003_7B        ASSET RECONCILIATION HOW MUCH-B-BOND
    KU004_7A        ASSET RECONCILIATION -MIN-A-BOND
    KU004_7B        ASSET RECONCILIATION -MIN-B-BOND
    KU005_7A        ASSET RECONCILIATION -MAX-A -BOND
    KU005_7B        ASSET RECONCILIATION -MAX-B -BOND
    KU006_7A        ASSET RECONCILIATION - RESULT-A-BOND
    KU006_7B        ASSET RECONCILIATION - RESULT-B-BOND
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    KU022_7A        WHICH WAVE VALUE WAS WRONG-A-BOND
    KU022_7B        WHICH WAVE VALUE WAS WRONG-B-BOND
HRS 2008:
    LQ330           BOND ASSETS
    LQ331           BOND ASSETS TOTAL VALUE
    LQ332           BOND ASSETS TOTAL VALUE - MIN
    LQ333           BOND ASSETS TOTAL VALUE - MAX
    LQ334           BOND ASSETS TOTAL VALUE - RESULT
    LU001_7         ASSET RECONCILIATION-BOND
    LU002_7         ASSET RECONCILIATION WHICH WRONG-BOND
    LU003_7A        ASSET RECONCILIATION HOW MUCH -A-BOND
    LU003_7B        ASSET RECONCILIATION HOW MUCH-B-BOND
    LU004_7A        ASSET RECONCILIATION -MIN-A-BOND
    LU004_7B        ASSET RECONCILIATION -MIN-B-BOND
    LU005_7A        ASSET RECONCILIATION -MAX-A -BOND
    LU005_7B        ASSET RECONCILIATION -MAX-B -BOND
    LU006_7A        ASSET RECONCILIATION - RESULT-A-BOND
    LU006_7B        ASSET RECONCILIATION - RESULT-B-BOND
    LU022_7A        WHICH WAVE WRONG-A-BOND
    LU022_7B        WHICH WAVE VALUE WAS WRONG-B-BOND
HRS 2010:
    MQ330           BOND ASSETS
    MQ331           BOND ASSETS TOTAL VALUE
    MQ332           BOND ASSETS TOTAL VALUE - MIN
    MQ333           BOND ASSETS TOTAL VALUE - MAX
    MQ334           BOND ASSETS TOTAL VALUE - RESULT
    MU001_7         ASSET RECONCILIATION - BOND
    MU002_7         ASSET RECONCILIATION - WHICH WRONG-BOND
    MU003_7A        ASSET RECONCILIATION - HOW MUCH -A-BOND
    MU003_7B        ASSET RECONCILIATION - HOW MUCH-B-BOND
    MU004_7A        ASSET RECONCILIATION - MIN-A-BOND
    MU004_7B        ASSET RECONCILIATION - MIN-B-BOND
    MU005_7A        ASSET RECONCILIATION - MAX-A -BOND
    MU005_7B        ASSET RECONCILIATION - MAX-B -BOND
    MU006_7A        ASSET RECONCILIATION - RESULT-A-BOND
    MU006_7B        ASSET RECONCILIATION - RESULT-B-BOND
    MU022_7A        WHICH WAVE WRONG-A-BOND
    MU022_7B        WHICH WAVE VALUE WAS WRONG-B-BOND
HRS 2012:
    NQ330           BOND ASSETS
    NQ331           BOND ASSETS TOTAL VALUE
    NQ332           BOND ASSETS TOTAL VALUE - MIN
    NQ333           BOND ASSETS TOTAL VALUE - MAX
    NQ334           BOND ASSETS TOTAL VALUE - RESULT
    NU001_7         ASSET RECONCILIATION - BOND
    NU002_7         ASSET RECONCILIATION - WHICH WRONG-BOND
    NU003_7A        ASSET RECONCILIATION - HOW MUCH -A-BOND
    NU003_7B        ASSET RECONCILIATION - HOW MUCH-B-BOND
    NU004_7A        ASSET RECONCILIATION - MIN-A-BOND
    NU004_7B        ASSET RECONCILIATION - MIN-B-BOND
    NU005_7A        ASSET RECONCILIATION - MAX-A -BOND
    NU005_7B        ASSET RECONCILIATION - MAX-B -BOND
    NU006_7A        ASSET RECONCILIATION - RESULT-A-BOND
    NU006_7B        ASSET RECONCILIATION - RESULT-B-BOND
    NU022_7A        WHICH WAVE WRONG-A-BOND
    NU022_7B        WHICH WAVE VALUE WAS WRONG-B-BOND
HRS 2014:
    OQ330           BOND ASSETS
    OQ331           BOND ASSETS TOTAL VALUE
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OQ332	BOND ASSETS TOTAL VALUE - MIN
OQ333	BOND ASSETS TOTAL VALUE - MAX
OQ334	BOND ASSETS TOTAL VALUE - RESULT
OU001_7	ASSET RECONCILIATION - BOND
OU002_7	ASSET RECONCILIATION - WHICH WRONG-BOND
OU003_7A	ASSET RECONCILIATION - HOW MUCH -A-BOND
OU003_7B	ASSET RECONCILIATION - HOW MUCH-B-BOND
OU004_7A	ASSET RECONCILIATION - MIN-A-BOND
OU004_7B	ASSET RECONCILIATION - MIN-B-BOND
OU005_7A	ASSET RECONCILIATION - MAX-A -BOND
OU005_7B	ASSET RECONCILIATION - MAX-B -BOND
OU006_7A	ASSET RECONCILIATION - RESULT-A-BOND
OU006_7B	ASSET RECONCILIATION - RESULT-B-BOND
OU022_7A	WHICH WAVE WRONG-A-BOND
OU022_7B	WHICH WAVE VALUE WAS WRONG-B-BOND

Net value of all other savings

Wave	Variable	Label	Type
1	H1AOTHR	H1AOTHR:W1 Assets:Other svngs, assets--Cross-wave	Cont
2	H2AOTHR	H2AOTHR:W2 Assets:Other svngs, assets--Cross-wave	Cont
3	H3AOTHR	H3AOTHR:W3 Assets:Other svngs, assets--Cross-wave	Cont
4	H4AOTHR	H4AOTHR:W4 Assets:Other svngs, assets--Cross-wave	Cont
5	H5AOTHR	H5AOTHR:W5 Assets:Other svngs, assets--Cross-wave	Cont
6	H6AOTHR	H6AOTHR:W6 Assets:Other svngs, assets--Cross-wave	Cont
7	H7AOTHR	H7AOTHR:W7 Assets:Other svngs, assets--Cross-wave	Cont
8	H8AOTHR	H8AOTHR:W8 Assets:Other svngs, assets--Cross-wave	Cont
9	H9AOTHR	H9AOTHR:W9 Assets:Other svngs, assets--Cross-wave	Cont
10	H10AOTHR	H10AOTHR:W10 Assets:Other svngs, assets--Cross-wave	Cont
11	H11AOTHR	H11AOTHR:W11 Assets:Other svngs, assets--Cross-wave	Cont
12	H12AOTHR	H12AOTHR:W12 Assets:Other svngs, assets--Cross-wave	Cont
1	H1AFOTHR	H1AFOTHR:W1 Assets Flag:Other svngs,assets--Cross-wave	Categ
2	H2AFOTHR	H2AFOTHR:W2 Assets Flag:Other svngs,assets--Cross-wave	Categ
3	H3AFOTHR	H3AFOTHR:W3 Assets Flag:Other svngs,assets--Cross-wave	Categ
4	H4AFOTHR	H4AFOTHR:W4 Assets Flag:Other svngs,assets--Cross-wave	Categ
5	H5AFOTHR	H5AFOTHR:W5 Assets Flag:Other svngs,assets--Cross-wave	Categ
6	H6AFOTHR	H6AFOTHR:W6 Assets Flag:Other svngs,assets--Cross-wave	Categ
7	H7AFOTHR	H7AFOTHR:W7 Assets Flag:Other svngs,assets--Cross-wave	Categ
8	H8AFOTHR	H8AFOTHR:W8 Assets Flag:Other svngs,assets--Cross-wave	Categ
9	H9AFOTHR	H9AFOTHR:W9 Assets Flag:Other svngs,assets--Cross-wave	Categ
10	H10AFOTHR	H10AFOTHR:W10 Assets Flag:Other svngs,assets--Cross-wave	Categ
11	H11AFOTHR	H11AFOTHR:W11 Assets Flag:Other svngs,assets--Cross-wave	Categ
12	H12AFOTHR	H12AFOTHR:W12 Assets Flag:Other svngs,assets--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AOTHR	12652	7814.31	55289.71	0.0	3000000.0
H2AOTHR	19642	6630.81	34856.82	0.0	1198004.8
H3AOTHR	17991	7357.48	49027.52	0.0	2000000.0
H4AOTHR	21384	8717.95	86696.28	0.0	6000000.0
H5AOTHR	19579	9079.39	69939.73	0.0	3155000.0
H6AOTHR	18165	16027.32	707662.02	0.0	90000000.0
H7AOTHR	20129	12842.78	104080.85	0.0	5000000.0
H8AOTHR	18469	14708.89	172270.73	0.0	15000000.0
H9AOTHR	17217	13876.82	148307.68	0.0	15000000.0
H10AOTHR	22034	13938.58	193282.85	-50000.0	18000000.0
H11AOTHR	20554	10523.55	86087.48	0.0	5000000.0
H12AOTHR	18748	12103.34	90869.67	0.0	3690753.4
H1AFOTHR	12652	5.34	1.70	1.0	9.0
H2AFOTHR	19642	5.22	1.85	1.0	9.0
H3AFOTHR	17991	5.34	1.72	1.0	9.0
H4AFOTHR	21384	5.41	1.66	1.0	9.0
H5AFOTHR	19579	5.39	1.67	1.0	9.0
H6AFOTHR	18165	5.43	1.61	1.0	9.0
H7AFOTHR	20129	5.29	1.76	1.0	9.0
H8AFOTHR	18469	5.30	1.74	1.0	9.0
H9AFOTHR	17217	5.32	1.73	1.0	9.0
H10AFOTHR	22034	5.36	1.79	1.0	9.0
H11AFOTHR	20554	5.36	1.73	1.0	9.0
H12AFOTHR	18748	5.33	1.77	1.0	9.0

Categorical Variable Codes

Value	H1AFOTHR	H2AFOTHR	H3AFOTHR	H4AFOTHR	H5AFOTHR	H6AFOTHR	H7AFOTHR
1.Continuous value	1427	2707	2124	2234	2082	1862	2507
2.Complete bracket	303	585	400	509	481	317	497
3.Incomplete bracket	22	35	15	27	24	21	21
4.Range card bracket	110						
5.No value/bracket	126	156	141	183	217	194	323
6.No asset	10453	15686	14969	17857	16360	15381	16361
7.DK ownership	116	296	216	403	291	345	333
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFOTHR	H9AFOTHR	H10AFOTHR	H11AFOTHR	H12AFOTHR
1.Continuous value	2294	2088	2716	2467	2379
2.Complete bracket	380	373	453	349	328
3.Incomplete bracket	26	30	61	30	27
5.No value/bracket	239	219	215	188	170
6.No asset	15207	14175	17784	16987	15266
7.DK ownership	260	258	407	364	379
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed net value of all other savings is assigned to HwAOTHR. The HwAFOTHR variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Users should note that there are two Respondents in Wave 6 who reported large values in Section U, much higher than their reported amounts in Section Q.

1. HHIDPN: 10893010 reported no ownership for the asset "other personal items of value" in Section Q and a value of $90,000,000 in Section U for the same asset.

2. HHIDPN: 131812010 reported a complete bracket of $100,001+ in Section Q for the same asset type. However, in Section U a value of $30,000,000 was reported.

Since the RAND HRS wealth imputation process uses the corrected Section U values when available, the final values for these 2 cases are 90 and 30 million dollars, respectively. Therefore, please use caution when drawing inferences about total wealth from Wave 6, as these 2 cases largely influence the total wealth values.

Cross Wave Differences in Original HRS Data

The net value of all other savings is asked at each wave. The question wording is slightly different across waves and the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any other savings funds and if so,

the value of them:

In Wave 1, the questions ask:

a) "Do you [or your (husband/wife/partner)] have any other savings or assets, such as money owed to you by others, a valuable collection for investment purposes, an annuity, or rights in a trust or estate that you haven't already told me about?"

b) "If you sold all that and then paid off any debts on it, about how much would you have?"

In Wave 2, the wording to the initial question changes slightly:

a) "Do you (or your (husband/wife/partner)) have any other savings or assets, such as jewelry, money owed to you by others, a collection for investment purposes, or an annuity that you haven't already told me about?"

Beginning in Wave 3, the initial question combines the wording found in Waves 1 and 2:

a) "Do you [or your (husband/wife/partner)] have any other savings or assets, such as jewelry, money owed to you by others, a collection for investment purposes, rights in a trust or estate where you are the beneficiary, or an annuity that you haven't already told me about? [EXCLUDE THE CASH VALUE OF ANY LIFE INSURANCE POLICIES.]"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15233          M18:OTHER SAVINGS/AS:IND
    V15234          M19:$ VAL OF SAV/ASS:IND
    V5233           M18:OTHER SAVINGS/AS:IMP
    V5234           M19:$ VAL OF SAV/ASS:IMP
    V5235           M19:ORIGINAL BRACKETS
AHEAD 1993:
    B1782           K21. OTHER ASSETS: ANY
    B1783           K22. OTH ASSETS: NET VALUE
    B1783C          CATEG: K22. OTH ASSETS: NET VALUE
HRS 1994:
    W15523          K17. Imputation Indicato
    W15524          K18. Imputation Indicato
    W5523           K17.OTHER SAVINGS/ASSETS
    W5524           K18.VALUE OF OTHER SAVIN
    W5525           K18a-K18c. Brackets
AHEAD 1995:
    D4512           J52.OTHER ASSETS
    D4513           J53.OTHER ASSETS $
    D4514B          J53.OTHER ASSETS $/Bkt
HRS 1996:
    E4513           J239.OTHER ASSETS
    E4514           J240.OTHER ASSETS $
    E4515B          J240.OTHER ASSETS $/Bkt
HRS 1998:
    F5273           J239.OTHER ASSETS
    F5274           J240.OTHER ASSETS $
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    F5275B          J240.(J53)OTHER ASSETS $-Bkt
HRS 2000:
    G5694           J239.OTHER ASSETS
    G5695           J240.OTHER ASSETS $
    G5696           J240A. DK-5K
    G5697           J240Y1A. DK-50000
    G5698           J240B. DK-100000
    G5699           J240Y1B. DK-50000
    G5700           J240D. DK-5000
HRS 2002:
    HQ375           OTHER ASSETS
    HQ376           OTHER ASSETS TOTAL VALUE
    HQ377           OTHER ASSETS TOTAL VALUE - MIN
    HQ378           OTHER ASSETS TOTAL VALUE -  MAX
    HQ379           OTHER ASSETS TOTAL VALUE-RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ375           OTHER ASSETS
    JQ376           OTHER ASSETS TOTAL VALUE
    JQ377           OTHER ASSETS TOTAL VALUE - MIN
    JQ378           OTHER ASSETS TOTAL VALUE -  MAX
    JQ379           OTHER ASSETS TOTAL VALUE-RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
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    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ375           OTHER ASSETS
    KQ376           OTHER ASSETS TOTAL VALUE
    KQ377           OTHER ASSETS TOTAL VALUE - MIN
    KQ378           OTHER ASSETS TOTAL VALUE -  MAX
    KQ379           OTHER ASSETS TOTAL VALUE-RESULT
    KU001_3         ASSET RECONCILIATION-OTHER
    KU002_3         ASSET RECONCILIATION WHICH WRONG-OTHER
    KU003_3A        ASSET RECONCILIATION HOW MUCH -A-OTHER
    KU003_3B        ASSET RECONCILIATION HOW MUCH-B-OTHER
    KU004_3A        ASSET RECONCILIATION -MIN-A-OTHER
    KU004_3B        ASSET RECONCILIATION -MIN-B-OTHER
    KU005_3A        ASSET RECONCILIATION -MAX-A -OTHER
    KU005_3B        ASSET RECONCILIATION -MAX-B -OTHER
    KU006_3A        ASSET RECONCILIATION - RESULT-A-OTHER
    KU006_3B        ASSET RECONCILIATION - RESULT-B-OTHER
    KU022_3A        WHICH WAVE VALUE WAS WRONG-A-OTHER
    KU022_3B        WHICH WAVE VALUE WAS WRONG-B-OTHER
HRS 2008:
    LQ375           OTHER ASSETS
    LQ376           OTHER ASSETS TOTAL VALUE
    LQ377           OTHER ASSETS TOTAL VALUE - MIN
    LQ378           OTHER ASSETS TOTAL VALUE -  MAX
    LQ379           OTHER ASSETS TOTAL VALUE-RESULT
    LU001_3         ASSET RECONCILIATION-OTHER
    LU002_3         ASSET RECONCILIATION WHICH WRONG-OTHER
    LU003_3A        ASSET RECONCILIATION HOW MUCH -A-OTHER
    LU003_3B        ASSET RECONCILIATION HOW MUCH-B-OTHER
    LU004_3A        ASSET RECONCILIATION -MIN-A-OTHER
    LU004_3B        ASSET RECONCILIATION -MIN-B-OTHER
    LU005_3A        ASSET RECONCILIATION -MAX-A -OTHER
    LU005_3B        ASSET RECONCILIATION -MAX-B -OTHER
    LU006_3A        ASSET RECONCILIATION - RESULT-A-OTHER
    LU006_3B        ASSET RECONCILIATION - RESULT-B-OTHER
    LU022_3A        WHICH WAVE WRONG-A-OTHER
    LU022_3B        WHICH WAVE VALUE WAS WRONG-B-OTHER
HRS 2010:
    MQ375           OTHER ASSETS
    MQ376           OTHER ASSETS TOTAL VALUE
    MQ377           OTHER ASSETS TOTAL VALUE - MIN
    MQ378           OTHER ASSETS TOTAL VALUE -  MAX
    MQ379           OTHER ASSETS TOTAL VALUE-RESULT
    MU001_3         ASSET RECONCILIATION - OTHER
    MU002_3         ASSET RECONCILIATION - WHICH WRONG-OTHER
    MU003_3A        ASSET RECONCILIATION - HOW MUCH -A-OTHER
    MU003_3B        ASSET RECONCILIATION - HOW MUCH-B-OTHER
    MU004_3A        ASSET RECONCILIATION - MIN-A-OTHER
    MU004_3B        ASSET RECONCILIATION - MIN-B-OTHER
    MU005_3A        ASSET RECONCILIATION - MAX-A -OTHER
    MU005_3B        ASSET RECONCILIATION - MAX-B -OTHER
    MU006_3A        ASSET RECONCILIATION - RESULT-A-OTHER
    MU006_3B        ASSET RECONCILIATION - RESULT-B-OTHER
    MU022_3A        WHICH WAVE WRONG-A-OTHER
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    MU022_3B        WHICH WAVE VALUE WAS WRONG-B-OTHER
HRS 2012:
    NQ375           OTHER ASSETS
    NQ376           OTHER ASSETS TOTAL VALUE
    NQ377           OTHER ASSETS TOTAL VALUE - MIN
    NQ378           OTHER ASSETS TOTAL VALUE -  MAX
    NQ379           OTHER ASSETS TOTAL VALUE-RESULT
    NU001_3         ASSET RECONCILIATION - OTHER
    NU002_3         ASSET RECONCILIATION - WHICH WRONG-OTHER
    NU003_3A        ASSET RECONCILIATION - HOW MUCH -A-OTHER
    NU003_3B        ASSET RECONCILIATION - HOW MUCH-B-OTHER
    NU004_3A        ASSET RECONCILIATION - MIN-A-OTHER
    NU004_3B        ASSET RECONCILIATION - MIN-B-OTHER
    NU005_3A        ASSET RECONCILIATION - MAX-A -OTHER
    NU005_3B        ASSET RECONCILIATION - MAX-B -OTHER
    NU006_3A        ASSET RECONCILIATION - RESULT-A-OTHER
    NU006_3B        ASSET RECONCILIATION - RESULT-B-OTHER
    NU022_3A        WHICH WAVE WRONG-A-OTHER
    NU022_3B        WHICH WAVE VALUE WAS WRONG-B-OTHER
HRS 2014:
    OQ375           OTHER ASSETS
    OQ376           OTHER ASSETS TOTAL VALUE
    OQ377           OTHER ASSETS TOTAL VALUE - MIN
    OQ378           OTHER ASSETS TOTAL VALUE -  MAX
    OQ379           OTHER ASSETS TOTAL VALUE-RESULT
    OU001_3         ASSET RECONCILIATION - OTHER
    OU002_3         ASSET RECONCILIATION - WHICH WRONG-OTHER
    OU003_3A        ASSET RECONCILIATION - HOW MUCH -A-OTHER
    OU003_3B        ASSET RECONCILIATION - HOW MUCH-B-OTHER
    OU004_3A        ASSET RECONCILIATION - MIN-A-OTHER
    OU004_3B        ASSET RECONCILIATION - MIN-B-OTHER
    OU005_3A        ASSET RECONCILIATION - MAX-A -OTHER
    OU005_3B        ASSET RECONCILIATION - MAX-B -OTHER
    OU006_3A        ASSET RECONCILIATION - RESULT-A-OTHER
    OU006_3B        ASSET RECONCILIATION - RESULT-B-OTHER
    OU022_3A        WHICH WAVE WRONG-A-OTHER
    OU022_3B        WHICH WAVE VALUE WAS WRONG-B-OTHER
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Value of other debt

Wave	Variable	Label	Type
1	H1ADEBT	H1ADEBT:W1 Assets:Debts [not yet asked]--Cross-wave	Cont
2	H2ADEBT	H2ADEBT:W2 Assets:Debts [not yet asked]--Cross-wave	Cont
3	H3ADEBT	H3ADEBT:W3 Assets:Debts [not yet asked]--Cross-wave	Cont
4	H4ADEBT	H4ADEBT:W4 Assets:Debts [not yet asked]--Cross-wave	Cont
5	H5ADEBT	H5ADEBT:W5 Assets:Debts [not yet asked]--Cross-wave	Cont
6	H6ADEBT	H6ADEBT:W6 Assets:Debts [not yet asked]--Cross-wave	Cont
7	H7ADEBT	H7ADEBT:W7 Assets:Debts [not yet asked]--Cross-wave	Cont
8	H8ADEBT	H8ADEBT:W8 Assets:Debts [not yet asked]--Cross-wave	Cont
9	H9ADEBT	H9ADEBT:W9 Assets:Debts [not yet asked]--Cross-wave	Cont
10	H10ADEBT	H10ADEBT:W10 Assets:Debts [not yet asked]--Cross-wave	Cont
11	H11ADEBT	H11ADEBT:W11 Assets:Debts [not yet asked]--Cross-wave	Cont
12	H12ADEBT	H12ADEBT:W12 Assets:Debts [not yet asked]--Cross-wave	Cont
1	H1AFDEBT	H1AFDEBT:W1 Assets Flag:Debts--Cross-wave	Categ
2	H2AFDEBT	H2AFDEBT:W2 Assets Flag:Debts--Cross-wave	Categ
3	H3AFDEBT	H3AFDEBT:W3 Assets Flag:Debts--Cross-wave	Categ
4	H4AFDEBT	H4AFDEBT:W4 Assets Flag:Debts--Cross-wave	Categ
5	H5AFDEBT	H5AFDEBT:W5 Assets Flag:Debts--Cross-wave	Categ
6	H6AFDEBT	H6AFDEBT:W6 Assets Flag:Debts--Cross-wave	Categ
7	H7AFDEBT	H7AFDEBT:W7 Assets Flag:Debts--Cross-wave	Categ
8	H8AFDEBT	H8AFDEBT:W8 Assets Flag:Debts--Cross-wave	Categ
9	H9AFDEBT	H9AFDEBT:W9 Assets Flag:Debts--Cross-wave	Categ
10	H10AFDEBT	H10AFDEBT:W10 Assets Flag:Debts--Cross-wave	Categ
11	H11AFDEBT	H11AFDEBT:W11 Assets Flag:Debts--Cross-wave	Categ
12	H12AFDEBT	H12AFDEBT:W12 Assets Flag:Debts--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ADEBT	12652	3192.73	19316.99	0.0	900000.0
H2ADEBT	19642	2225.60	11227.81	0.0	500000.0
H3ADEBT	17991	2451.15	15825.55	0.0	828925.5
H4ADEBT	21384	3458.36	67344.77	0.0	6666733.0
H5ADEBT	19579	2606.76	14902.43	0.0	700000.0
H6ADEBT	18165	2886.54	18619.53	0.0	800000.0
H7ADEBT	20129	4031.62	34698.86	0.0	2400000.0
H8ADEBT	18469	4164.64	37976.79	0.0	2200000.0
H9ADEBT	17217	4446.14	32693.02	0.0	1900000.0
H10ADEBT	22034	5983.11	32765.14	0.0	2000000.0
H11ADEBT	20554	5248.68	28766.31	0.0	1700000.0
H12ADEBT	18748	5148.76	25983.29	0.0	1500000.0
H1AFDEBT	12652	4.25	2.41	1.0	9.0
H2AFDEBT	19642	4.72	2.22	1.0	9.0
H3AFDEBT	17991	4.76	2.18	1.0	9.0
H4AFDEBT	21384	4.82	2.15	1.0	9.0
H5AFDEBT	19579	4.75	2.18	1.0	9.0
H6AFDEBT	18165	4.89	2.08	1.0	9.0
H7AFDEBT	20129	4.67	2.21	1.0	9.0
H8AFDEBT	18469	4.65	2.22	1.0	9.0
H9AFDEBT	17217	4.59	2.26	1.0	9.0
H10AFDEBT	22034	4.40	2.41	1.0	9.0
H11AFDEBT	20554	4.45	2.35	1.0	9.0
H12AFDEBT	18748	4.49	2.34	1.0	9.0

Categorical Variable Codes

Value	H1AFDEBT	H2AFDEBT	H3AFDEBT	H4AFDEBT	H5AFDEBT	H6AFDEBT	H7AFDEBT
1.Continuous value	4400	4726	4106	4627	4565	3697	4933
2.Complete bracket		544	539	671	479	431	599
3.Incomplete bracket		14	11	28	39	28	28
4.Range card bracket	189						
5.No value/bracket	292	93	122	163	168	217	222
6.No asset	7415	13859	12914	15443	13974	13459	14012
7.DK ownership	261	229	173	281	230	288	248
9.No Fin resp	95	177	126	171	124	45	87

Value	H8AFDEBT	H9AFDEBT	H10AFDEBT	H11AFDEBT	H12AFDEBT
1.Continuous value	4649	4598	6893	6160	5505
2.Complete bracket	472	363	458	387	310
3.Incomplete bracket	26	41	52	58	54
5.No value/bracket	202	199	238	174	185
6.No asset	12842	11725	13688	13347	12264
7.DK ownership	215	217	307	259	231
9.No Fin resp	63	74	398	169	199

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed value of debt is assigned to HwADEBT. The HwAFDEBT variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The Bracket breakpoints are different in Wave 8 and Wave 9.

In Waves 8 and 9, Respondents who answer "Don’t Know" or "Refuse" to the question about debt amount (Q478) enter into a sequence of bracket questions to determine a possible range of values. In Wave 8, the breakpoints for these ranges were $500, $5,000, and $50,000. However, in Wave 9, these breakpoints changed to $1,000, $5,000, $15,000, and $50,000.

The value of other debt is asked at each wave. The question wording is the same at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent has any other debt and if so, the value of it:

a) "And do you [or your (husband/wife/partner)] have any debts that we haven’t asked about, such as credit card balances, medical debts, life insurance policy loans, loans from relatives, and so forth?"

b) "About how much would that amount to?"

From Wave 2 forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket ranges and entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, but range card brackets may be coded if the Respondent refuses or does not know the value.

HRS Variables Used

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HRS 1992:
    V15237          M20:OTHR_DBTS_Y/N_NE:IND
    V15238          M20A:OTHER_DEBTS_$_N:IND
    V5237           M20:OTHR_DBTS_Y/N_NE:IMP
    V5238           M20A:OTHER_DEBTS_$_N:IMP
AHEAD 1993:
    B1787           K23. DEBTS: ANY
    B1788           K24. DEBTS: TOTAL $
    B1788C          CATEG: K24. DEBTS: TOTAL $
HRS 1994:
    W15526          K19. Imputation Indicato
    W15527          K20. Imputation Indicato
    W5526           K19.OTHER DEBTS
    W5527           K20.AMOUNT OF OTHER DEBT
    W5528           K20a-K20c. Brackets
AHEAD 1995:
    D4725           J81.DEBTS
    D4726           J82.DEBTS $
    D4727B          J82.DEBTS $/Bkt
HRS 1996:
    E4726           J302.DEBTS
    E4727           J303.DEBTS $
    E4728B          J303.DEBTS $/Bkt
HRS 1998:
    F5486           J302.DEBTS
    F5487           J303.DEBTS $
    F5488B          J303.(J82)DEBTS $-Bkt
HRS 2000:
    G5846           J302.DEBTS
    G5847           J303.DEBTS $
    G5848           J303A. DK-500
    G5849           J303Y1A. DK-5000
    G5850           J303B. DK-50000
    G5851           J303Y1B. DK-5000
    G5852           J303D. DK-500
HRS 2002:
    HQ477           R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
    HQ478           R OR SP DEBTS AMOUNT
    HQ479           DEBTS AMOUNT - MIN
    HQ480           DEBTS AMOUNT - MAX
    HQ481           DEBTS AMOUNT - RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JQ477           R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
    JQ478           R OR SP DEBTS AMOUNT
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    JQ479           DEBTS AMOUNT - MIN
    JQ480           DEBTS AMOUNT - MAX
    JQ481           DEBTS AMOUNT - RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ477           R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
    KQ478           R OR SP DEBTS AMOUNT
    KQ479           DEBTS AMOUNT - MIN
    KQ480           DEBTS AMOUNT - MAX
    KQ481           DEBTS AMOUNT - RESULT
    KU001_1         ASSET RECONCILIATION-DEBTS
    KU002_1         ASSET RECONCILIATION WHICH WRONG-DEBTS
    KU003_1A        ASSET RECONCILIATION HOW MUCH -A-DEBTS
    KU003_1B        ASSET RECONCILIATION HOW MUCH-B-DEBTS
    KU004_1A        ASSET RECONCILIATION -MIN-A-DEBTS
    KU004_1B        ASSET RECONCILIATION -MIN-B-DEBTS
    KU005_1A        ASSET RECONCILIATION -MAX-A -DEBTS
    KU005_1B        ASSET RECONCILIATION -MAX-B -DEBTS
    KU006_1A        ASSET RECONCILIATION - RESULT-A-DEBTS
    KU006_1B        ASSET RECONCILIATION - RESULT-B-DEBTS
    KU022_1A        WHICH WAVE VALUE WAS WRONG-A-DEBTS
    KU022_1B        WHICH WAVE VALUE WAS WRONG-B-DEBTS
HRS 2008:
    LQ477           R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
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    LQ478           R OR SP DEBTS AMOUNT
    LQ479           DEBTS AMOUNT - MIN
    LQ480           DEBTS AMOUNT - MAX
    LQ481           DEBTS AMOUNT - RESULT
    LU001_1         ASSET RECONCILIATION-DEBTS
    LU002_1         ASSET RECONCILIATION WHICH WRONG-DEBTS
    LU003_1A        ASSET RECONCILIATION HOW MUCH -A-DEBTS
    LU003_1B        ASSET RECONCILIATION HOW MUCH-B-DEBTS
    LU004_1A        ASSET RECONCILIATION -MIN-A-DEBTS
    LU004_1B        ASSET RECONCILIATION -MIN-B-DEBTS
    LU005_1A        ASSET RECONCILIATION -MAX-A -DEBTS
    LU005_1B        ASSET RECONCILIATION -MAX-B -DEBTS
    LU006_1A        ASSET RECONCILIATION - RESULT-A-DEBTS
    LU006_1B        ASSET RECONCILIATION - RESULT-B-DEBTS
    LU022_1A        WHICH WAVE WRONG-A-DEBTS
    LU022_1B        WHICH WAVE VALUE WAS WRONG-B-DEBTS
HRS 2010:
    MQ477           R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
    MQ478           R OR SP DEBTS AMOUNT
    MQ479           DEBTS AMOUNT - MIN
    MQ480           DEBTS AMOUNT - MAX
    MQ481           DEBTS AMOUNT - RESULT
    MU001_1         ASSET RECONCILIATION - STEM QUESTION -1
    MU002_1         ASSET RECONCILIATION - WHICH WRONG-DEBTS
    MU003_1A        ASSET RECONCILIATION - HOW MUCH -A-DEBTS
    MU003_1B        ASSET RECONCILIATION - HOW MUCH-B-DEBTS
    MU004_1A        ASSET RECONCILIATION - MIN-A-DEBTS
    MU004_1B        ASSET RECONCILIATION - MIN-B-DEBTS
    MU005_1A        ASSET RECONCILIATION - MAX-A -DEBTS
    MU005_1B        ASSET RECONCILIATION - MAX-B -DEBTS
    MU006_1A        ASSET RECONCILIATION - RESULT-A-DEBTS
    MU006_1B        ASSET RECONCILIATION - RESULT-B-DEBTS
    MU022_1A        WHICH WAVE WRONG-A-DEBTS
    MU022_1B        WHICH WAVE VALUE WAS WRONG-B-DEBTS
HRS 2012:
    NQ477           R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
    NQ478           R OR SP DEBTS AMOUNT
    NQ479           DEBTS AMOUNT - MIN
    NQ480           DEBTS AMOUNT - MAX
    NQ481           DEBTS AMOUNT - RESULT
    NU001_1         ASSET RECONCILIATION - DEBTS
    NU002_1         ASSET RECONCILIATION - WHICH WRONG-DEBTS
    NU003_1A        ASSET RECONCILIATION - HOW MUCH -A-DEBTS
    NU003_1B        ASSET RECONCILIATION - HOW MUCH-B-DEBTS
    NU004_1A        ASSET RECONCILIATION - MIN-A-DEBTS
    NU004_1B        ASSET RECONCILIATION - MIN-B-DEBTS
    NU005_1A        ASSET RECONCILIATION - MAX-A -DEBTS
    NU005_1B        ASSET RECONCILIATION - MAX-B -DEBTS
    NU006_1A        ASSET RECONCILIATION - RESULT-A-DEBTS
    NU006_1B        ASSET RECONCILIATION - RESULT-B-DEBTS
    NU022_1A        WHICH WAVE WRONG-A-DEBTS
    NU022_1B        WHICH WAVE VALUE WAS WRONG-B-DEBTS
HRS 2014:
    OQ477           R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
    OQ478           R OR SP DEBTS AMOUNT
    OQ479           DEBTS AMOUNT - MIN
    OQ480           DEBTS AMOUNT - MAX
    OQ481           DEBTS AMOUNT - RESULT
    OU001_1         ASSET RECONCILIATION - DEBTS
```

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OU002_1         ASSET RECONCILIATION - WHICH WRONG-DEBTS
OU003_1A        ASSET RECONCILIATION - HOW MUCH -A-DEBTS
OU003_1B        ASSET RECONCILIATION - HOW MUCH-B-DEBTS
OU004_1A        ASSET RECONCILIATION - MIN-A-DEBTS
OU004_1B        ASSET RECONCILIATION - MIN-B-DEBTS
OU005_1A        ASSET RECONCILIATION - MAX-A -DEBTS
OU005_1B        ASSET RECONCILIATION - MAX-B -DEBTS
OU006_1A        ASSET RECONCILIATION - RESULT-A-DEBTS
OU006_1B        ASSET RECONCILIATION - RESULT-B-DEBTS
OU022_1A        WHICH WAVE WRONG-A-DEBTS
OU022_1B        WHICH WAVE VALUE WAS WRONG-B-DEBTS
```

Value of primary residence

Wave	Variable	Label	Type
1	H1AHOUS	H1AHOUS:W1 Assets:Primary Residence--Cross-wave	Cont
2	H2AHOUS	H2AHOUS:W2 Assets:Primary Residence--Cross-wave	Cont
3	H3AHOUS	H3AHOUS:W3 Assets:Primary Residence--Cross-wave	Cont
4	H4AHOUS	H4AHOUS:W4 Assets:Primary Residence--Cross-wave	Cont
5	H5AHOUS	H5AHOUS:W5 Assets:Primary Residence--Cross-wave	Cont
6	H6AHOUS	H6AHOUS:W6 Assets:Primary Residence--Cross-wave	Cont
7	H7AHOUS	H7AHOUS:W7 Assets:Primary Residence--Cross-wave	Cont
8	H8AHOUS	H8AHOUS:W8 Assets:Primary Residence--Cross-wave	Cont
9	H9AHOUS	H9AHOUS:W9 Assets:Primary Residence--Cross-wave	Cont
10	H10AHOUS	H10AHOUS:W10 Assets:Primary Residence--Cross-wave	Cont
11	H11AHOUS	H11AHOUS:W11 Assets:Primary Residence--Cross-wave	Cont
12	H12AHOUS	H12AHOUS:W12 Assets:Primary Residence--Cross-wave	Cont
1	H1AFHOUS	H1AFHOUS:W1 Assets Flag:Primary Residence--Cross-wave	Categ
2	H2AFHOUS	H2AFHOUS:W2 Assets Flag:Primary Residence--Cross-wave	Categ
3	H3AFHOUS	H3AFHOUS:W3 Assets Flag:Primary Residence--Cross-wave	Categ
4	H4AFHOUS	H4AFHOUS:W4 Assets Flag:Primary Residence--Cross-wave	Categ
5	H5AFHOUS	H5AFHOUS:W5 Assets Flag:Primary Residence--Cross-wave	Categ
6	H6AFHOUS	H6AFHOUS:W6 Assets Flag:Primary Residence--Cross-wave	Categ
7	H7AFHOUS	H7AFHOUS:W7 Assets Flag:Primary Residence--Cross-wave	Categ
8	H8AFHOUS	H8AFHOUS:W8 Assets Flag:Primary Residence--Cross-wave	Categ
9	H9AFHOUS	H9AFHOUS:W9 Assets Flag:Primary Residence--Cross-wave	Categ
10	H10AFHOUS	H10AFHOUS:W10 Assets Flag:Primary Residence--Cross-wave	Categ
11	H11AFHOUS	H11AFHOUS:W11 Assets Flag:Primary Residence--Cross-wave	Categ
12	H12AFHOUS	H12AFHOUS:W12 Assets Flag:Primary Residence--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUS	12652	85752.97	97680.53	0.0	1400000.0
H2AHOUS	19642	84641.44	124995.17	0.0	5000000.0
H3AHOUS	17991	89757.11	132782.59	0.0	5414724.2
H4AHOUS	21384	100698.16	249823.28	0.0	20000000.0
H5AHOUS	19579	113830.11	248512.59	0.0	14000000.0
H6AHOUS	18165	130116.77	186350.41	0.0	10000000.0
H7AHOUS	20129	163232.50	352417.43	0.0	25000000.0
H8AHOUS	18469	195977.54	274623.64	0.0	6000000.0
H9AHOUS	17217	198996.50	448225.61	0.0	25000000.0
H10AHOUS	22034	163090.02	254312.63	0.0	10000000.0
H11AHOUS	20554	155808.13	235053.62	0.0	10000000.0
H12AHOUS	18748	162752.13	236362.15	0.0	5000000.0
H1AFHOUS	12652	2.16	2.11	1.0	9.0
H2AFHOUS	19642	2.28	2.14	1.0	9.0
H3AFHOUS	17991	2.22	2.09	1.0	9.0
H4AFHOUS	21384	2.23	2.10	1.0	9.0
H5AFHOUS	19579	2.21	2.09	1.0	9.0
H6AFHOUS	18165	2.23	2.08	1.0	9.0
H7AFHOUS	20129	2.24	2.08	1.0	9.0
H8AFHOUS	18469	2.23	2.08	1.0	9.0
H9AFHOUS	17217	2.26	2.09	1.0	9.0
H10AFHOUS	22034	2.55	2.29	1.0	9.0
H11AFHOUS	20554	2.54	2.26	1.0	9.0
H12AFHOUS	18748	2.59	2.30	1.0	9.0

Categorical Variable Codes

Value	H1AFHOUS	H2AFHOUS	H3AFHOUS	H4AFHOUS	H5AFHOUS	H6AFHOUS	H7AFHOUS
1.Continuous value	9635	13301	12409	14726	13661	12601	13752
2.Complete bracket		1701	1495	1747	1408	1293	1621
3.Incomplete bracket		88	51	88	130	104	114
4.Range card bracket	178						
5.No value/bracket	315	175	239	337	330	354	330
6.No asset	2419	4143	3671	4257	3861	3587	4175
7.DK ownership	10	57	11	59	67	187	76
9.No Fin resp	95	177	115	170	122	39	61

Value	H8AFHOUS	H9AFHOUS	H10AFHOUS	H11AFHOUS	H12AFHOUS
1.Continuous value	12686	11596	13893	12929	11771
2.Complete bracket	1419	1478	1639	1540	1202
3.Incomplete bracket	115	155	171	171	170
5.No value/bracket	267	272	384	349	309
6.No asset	3904	3595	5316	5364	5050
7.DK ownership	30	58	478	60	79
9.No Fin resp	48	63	153	141	167

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed value of the Respondent's primary residence is assigned to HwAHOUS. The HwAFHOUS variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

From Wave 3 forward to determine ownership of a primary residence, we look at responses to questions about whether the person is in a nursing home and if so, whether they own a home outside of the nursing home. In Waves 5-10, we found a discrepancy between what was reported on these questions and what was listed on the Tracker file, that is - some individuals said that they were in a nursing home (and did not own a home outside of the nursing home), but the Tracker file said they were not in a nursing home. We considered the information from Tracker to be the most accurate. [See Appendix A for a description of how many cases were affected by this change.]

Cross Wave Differences in Original HRS Data

The value of the primary residence is asked at each wave. Questions reveal whether the Respondent owns his/her primary residence and if so, the value of it.

In all waves, there are several questions which ask the Respondent about ownership of the residence and its value, depending on the type of home, e.g., a farm or ranch, mobile home, condominium, etc.

In Wave 1 the questions are asked in several places, all slightly different:

1a) "Do you [or your (husband/wife/partner)] own this (farm/ranch), do you own part of it, do you rent it, is it owned by a business, or what?"

1b) "Could you tell me the present value of this house and the immediately surrounding land? I mean, about what would it bring if it were sold today? would it bring if it were sold today?"

2a) "Do you [or your (husband/wife/partner)] own both this mobile home and site or lot, do you own only the mobile home, do you own only the site, do you rent both the home and site, or what?"

2b) "Could you tell me the present value of this mobile home (and site)? I mean, about what would it bring if it were sold today?"

3a) "Do you [and your (husband/wife/partner)] own this (house and lot/apartment), do you rent, or what?"

3b) "What is the present value of this (home and land/apartment/property)? I mean, about what would it bring if it were sold today?"

In Waves 2 and 3 the ownership questions are slightly different and all branch to one value question:

1a) "Do you [and your (husband/wife/partner)] own your home, rent it, or what?"

2a) "Do you [or your (husband/wife/partner)] own this (farm/ranch), do you own part of it, do you rent it, or what?"

3a) "Do you [or your (husband/wife/partner)] own both the mobile home and site, do you own only the home, do you rent both the home and site, or what?"

b) "What is its present value? I mean, about what would it bring if it were sold today?"

Beginning in Wave 4, the question wordings are the same but the question on mobile home value is a separate one from the value of a house or farm, and the unfolding brackets differ for the two types of property.

From Wave 2 forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, but range card brackets may be coded if the Respondent refuses or does not know the value.

In Waves 6 forward, some mobile home owners who did not report values were directed to the house value and subsequent bracket questions (if needed), which are different from those for mobile homes. Here, we imputed missing values using whichever series of brackets they were given. There were also some cases in Waves 6 and 11 where values were given for both the mobile home and house questions. After examining the quality of the data in these cases, we decided that using the highest value was most appropriate.

HRS Variables Used

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HRS 1992:
    V10605          D2A:VALUE_OF_PROPERT:IND
    V10612          D5:FRM_VAL:HOUSE LAN:IND
    V10616          D8:MBL_HM/SITE/BOTH :IND
    V10619          8B:MBL_HM_SITE:VALUE:IND
    V10632          D10:OWN_MBL_HM:VALUE:IND
    V10640          D15:OWN_HM SITE:VALU:IND
    V10701          D17:OWN/RENT:LOT/ETC:IND
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    V10712          D20:VALUE_OF_PROPERT:IND
    V603            D2:OWN RANCH/FARM
    V605            D2A:VALUE OF PROPERT:IMP
    V612            D5:FRM:VALUE-HOUSE/L:IMP
    V616            D8:OWN MBL HM/SITE/B:IMP
    V619            D8B:MH SITE:$VAL OF :IMP
    V632            D10:OWN MBL HM: VALU:IMP
    V640            D15:OWN HM   SITE:$V:IMP
    V701            D17:LOT/APRTMNT:OWN/:IMP
    V712            D20:VALUE-R'S PROPER:IMP
AHEAD 1993:
    B1067           F10. MOBILE HOME & SITE: OWN/RENT
    B1087           F23. OWN OR RENT FARM/RANCH?
    B1088           F23a. OWN FARMHOUSE?
    B1091           F25. OWN OR RENT HOME/APT?
    B1099           F26. VALUE OF HOME AND LAND
    B1099C          CATEG: F26. VALUE OF HOME AND LAND
HRS 1994:
    W607            D3.OWN OR RENT CURRENT H
    W609            D4.OWN PART/ALL OR RENT
    W611            D4b.OWN HOUSE AND SURROU
    W613            D5.OWN/RENT MOBILE HOME/
    W614            D6.PRESENT VALUE OF MOBI
    W615            D6a-D6d. Brackets
AHEAD 1995:
    D2225           F2.TYPE HOME
    D2226           F3.OWN-RENT HOME
    D2229           F4.OWN FARM
    D2246           F6.HOME VALUE $
    D2247B          F6.HOME VALUE $/Bkt
HRS 1996:
    E2225           F2.TYPE HOME
    E2226           F3.OWN-RENT HOME
    E2229           F4.OWN FARM
    E2246           F6.HOME VALUE $
    E2247B          F6.HOME VALUE $/Bkt
HRS 1998:
    F2742           F2.TYPE HOME
    F2743           F3.OWN-RENT HOME
    F2746           F4.OWN FARM
    F2751           F5.OWN MOBILE HOME AND SITE
    F2753           F5B.MOBILE HOME VALUE $
    F2754B          F5B.MOBILE HOME VALUE $-Bkt
    F2760           F6.HOME VALUE $
    F2761B          F6.HOME VALUE $-Bkt
HRS 2000:
    G3060           F2.TYPE HOME
    G3061           F3.OWN-RENT HOME
    G3064           F4.OWN FARM
    G3069           F5.OWN MOBILE HOME-SITE
    G3071           F5B.MOBILE HOME VALUE $
    G3072           F5C.F5 DK-1
    G3073           F5D.F5 DK-2
    G3074           F5E.F5 DK-3
    G3075           F5F.F5 DK-4
    G3078           F6.HOME VALUE $
    G3079           F6DX.F6 DK-4
    G3080           F6A.F6 DK-1
    G3081           F6B.F6 DK-2
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    G3082           F6C.F6 DK-3
    G3083           F6AX.F6 DK-1
    G3084           F6D.F6 DK-4
HRS 2002:
    HH002           TYPE HOME
    HH004           OWN-RENT HOME
    HH008           OWN PART OR ALL/RENT FARM
    HH014           OWN MOBILE HOME/SITE
    HH016           MOBILE HOME PRESENT VALUE
    HH017           MOBILE HOME PRESENT VALUE- MIN
    HH018           MOBILE HOME PRESENT VALUE- MAX
    HH019           MOBILE HOME PRESENT VALUE- RESULT
    HH020           HOME PRESENT VALUE
    HH021           HOME PRESENT VALUE- MIN
    HH022           HOME PRESENT VALUE- MAX
    HH023           HOME PRESENT VALUE- RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JH002           TYPE HOME
    JH004           OWN-RENT HOME
    JH008           OWN PART OR ALL/RENT FARM
    JH014           OWN MOBILE HOME/SITE
    JH016           MOBILE HOME PRESENT VALUE
    JH017           MOBILE HOME PRESENT VALUE- MIN
    JH018           MOBILE HOME PRESENT VALUE- MAX
    JH019           MOBILE HOME PRESENT VALUE- RESULT
    JH020           HOME PRESENT VALUE
    JH021           HOME PRESENT VALUE- MIN
    JH022           HOME PRESENT VALUE- MAX
    JH023           HOME PRESENT VALUE- RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
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    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KH002           TYPE HOME
    KH004           OWN-RENT HOME
    KH008           OWN PART OR ALL/RENT FARM
    KH014           OWN MOBILE HOME/SITE
    KH016           MOBILE HOME PRESENT VALUE
    KH017           MOBILE HOME PRESENT VALUE- MIN
    KH018           MOBILE HOME PRESENT VALUE- MAX
    KH019           MOBILE HOME PRESENT VALUE- RESULT
    KH020           HOME PRESENT VALUE
    KH021           HOME PRESENT VALUE- MIN
    KH022           HOME PRESENT VALUE- MAX
    KH023           HOME PRESENT VALUE- RESULT
    KU001_12        ASSET RECONCILIATION-HOME
    KU001_16        ASSET RECONCILIATION-MOBILE HOME
    KU002_12        ASSET RECON WHICH WRONG-HOME
    KU002_16        ASSET RECON WHICH WRONG-MOBILE HOME
    KU003_12A       ASSET RECON HOW MUCH -A-HOME
    KU003_12B       ASSET RECON HOW MUCH-B-HOME
    KU003_16A       ASSET RECON HOW MUCH -A-MOBILE HOME
    KU003_16B       ASSET RECON HOW MUCH-B-MOBILE HOME
    KU004_12A       ASSET RECON -MIN-A-HOME
    KU004_12B       ASSET RECON-MIN-B-HOME
    KU004_16A       ASSET RECON -MIN-A-MOBILE HOME
    KU004_16B       ASSET RECON -MIN-B-MOBILE HOME
    KU005_12A       ASSET RECON -MAX-A -HOME
    KU005_12B       ASSET RECON-MAX-B -HOME
    KU005_16A       ASSET RECON -MAX-A -MOBILE HOME
    KU005_16B       ASSET RECON -MAX-B -MOBILE HOME
    KU006_12A       ASSET RECON - RESULT-A-HOME
    KU006_12B       ASSET RECON- RESULT-B-HOME
    KU006_16A       ASSET RECON - RESULT-A-MOBILE HOME
    KU006_16B       ASSET RECON - RESULT-B-MOBILE HOME
    KU022_12A       WHICH WAVE WRONG-A-HOME
    KU022_12B       WHICH WAVE WRONG-B-HOME
    KU022_16A       WHICH WAVE WRONG-A-MOBILE HOME
    KU022_16B       WHICH WAVE WRONG-B-MOBILE HOME
HRS 2008:
    LH002           TYPE HOME
    LH004           OWN-RENT HOME
    LH008           OWN PART OR ALL/RENT FARM
    LH014           OWN MOBILE HOME/SITE
    LH016           MOBILE HOME PRESENT VALUE
    LH017           MOBILE HOME PRESENT VALUE- MIN
    LH018           MOBILE HOME PRESENT VALUE- MAX
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    LH019           MOBILE HOME PRESENT VALUE- RESULT
    LH020           HOME PRESENT VALUE
    LH021           HOME PRESENT VALUE- MIN
    LH022           HOME PRESENT VALUE- MAX
    LH023           HOME PRESENT VALUE- RESULT
    LU001_12        ASSET RECONCILIATION-HOME
    LU001_16        ASSET RECONCILIATION-MOBILE HOME
    LU002_12        ASSET RECONCILIATION  WHICH WRONG-HOME
    LU002_16        ASSET RECONCILIATION  WHICH WRONG-MOBILE HOME
    LU003_12A       ASSET RECONCILIATION HOW MUCH -A-HOME
    LU003_12B       ASSET RECONCILIATION HOW MUCH-B-HOME
    LU003_16A       ASSET RECONCILIATION HOW MUCH -A-MOBILE HOME
    LU003_16B       ASSET RECONCILIATION HOW MUCH-B-MOBILE HOME
    LU004_12A       ASSET RECON -MIN-A-HOME
    LU004_12B       ASSET RECON-MIN-B-HOME
    LU004_16A       ASSET RECON -MIN-A-MOBILE HOME
    LU004_16B       ASSET RECON -MIN-B-MOBILE HOME
    LU005_12A       ASSET RECON -MAX-A -HOME
    LU005_12B       ASSET RECON-MAX-B -HOME
    LU005_16A       ASSET RECON -MAX-A -MOBILE HOME
    LU005_16B       ASSET RECON -MAX-B -MOBILE HOME
    LU006_12A       ASSET RECON - RESULT-A-HOME
    LU006_12B       ASSET RECON- RESULT-B-HOME
    LU006_16A       ASSET RECON - RESULT-A-MOBILE HOME
    LU006_16B       ASSET RECON - RESULT-B-MOBILE HOME
    LU022_12A       WHICH WAVE WRONG-A-HOME
    LU022_12B       WHICH WAVE WRONG-B-HOME
    LU022_16A       WHICH WAVE WRONG-A-MOBILE HOME
    LU022_16B       WHICH WAVE WRONG-B-MOBILE HOME
HRS 2010:
    MH002           TYPE HOME
    MH004           OWN-RENT HOME
    MH008           OWN PART OR ALL/RENT FARM
    MH014           OWN MOBILE HOME/SITE
    MH016           MOBILE HOME PRESENT VALUE
    MH017           MOBILE HOME PRESENT VALUE- MIN
    MH018           MOBILE HOME PRESENT VALUE- MAX
    MH019           MOBILE HOME PRESENT VALUE- RESULT
    MH020           HOME PRESENT VALUE
    MH021           HOME PRESENT VALUE- MIN
    MH022           HOME PRESENT VALUE- MAX
    MH023           HOME PRESENT VALUE- RESULT
    MU001_12        ASSET RECONCILIATION - HOME
    MU001_16        ASSET RECONCILIATION - MOBILE HOME
    MU002_12        ASSET RECONCILIATION - WHICH WRONG-HOME
    MU002_16        ASSET RECONCILIATION - WHICH WRONG-MOBILE HOME
    MU003_12A       ASSET RECONCILIATION - HOW MUCH -A-HOME
    MU003_12B       ASSET RECONCILIATION - HOW MUCH-B-HOME
    MU003_16A       ASSET RECONCILIATION - HOW MUCH -A-MOBILE HOME
    MU003_16B       ASSET RECONCILIATION - HOW MUCH-B-MOBILE HOME
    MU004_12A       ASSET RECONCILIATION - MIN-A-HOME
    MU004_12B       ASSET RECONCILIATION - MIN-B-HOME
    MU004_16A       ASSET RECONCILIATION - MIN-A-MOBILE HOME
    MU004_16B       ASSET RECONCILIATION - MIN-B-MOBILE HOME
    MU005_12A       ASSET RECONCILIATION - MAX-A -HOME
    MU005_12B       ASSET RECONCILIATION - MAX-B -HOME
    MU005_16A       ASSET RECONCILIATION - MAX-A -MOBILE HOME
    MU005_16B       ASSET RECONCILIATION - MAX-B -MOBILE HOME
    MU006_12A       ASSET RECONCILIATION - RESULT-A-HOME
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    MU006_12B       ASSET RECONCILIATION - RESULT-B-HOME
    MU006_16A       ASSET RECONCILIATION - RESULT-A-MOBILE HOME
    MU006_16B       ASSET RECONCILIATION - RESULT-B-MOBILE HOME
    MU022_12A       WHICH WAVE WRONG-A-HOME
    MU022_12B       WHICH WAVE WRONG-B-HOME
    MU022_16A       WHICH WAVE WRONG-A-MOBILE HOME
    MU022_16B       WHICH WAVE WRONG-B-MOBILE HOME
HRS 2012:
    NH002           TYPE HOME
    NH004           OWN-RENT HOME
    NH008           OWN PART OR ALL/RENT FARM
    NH014           OWN MOBILE HOME/SITE
    NH016           MOBILE HOME PRESENT VALUE
    NH017           MOBILE HOME PRESENT VALUE- MIN
    NH018           MOBILE HOME PRESENT VALUE- MAX
    NH019           MOBILE HOME PRESENT VALUE- RESULT
    NH020           HOME PRESENT VALUE
    NH021           HOME PRESENT VALUE- MIN
    NH022           HOME PRESENT VALUE- MAX
    NH023           HOME PRESENT VALUE- RESULT
    NU001_12        ASSET RECONCILIATION - HOME
    NU001_16        ASSET RECONCILIATION - MOBILE HOME
    NU002_12        ASSET RECONCILIATION - WHICH WRONG-HOME
    NU002_16        ASSET RECONCILIATION - WHICH WRONG-MOBILE HOME
    NU003_12A       ASSET RECONCILIATION - HOW MUCH -A-HOME
    NU003_12B       ASSET RECONCILIATION - HOW MUCH-B-HOME
    NU003_16A       ASSET RECONCILIATION - HOW MUCH -A-MOBILE HOME
    NU003_16B       ASSET RECONCILIATION - HOW MUCH-B-MOBILE HOME
    NU004_12A       ASSET RECONCILIATION - MIN-A-HOME
    NU004_12B       ASSET RECONCILIATION - MIN-B-HOME
    NU004_16A       ASSET RECONCILIATION - MIN-A-MOBILE HOME
    NU004_16B       ASSET RECONCILIATION - MIN-B-MOBILE HOME
    NU005_12A       ASSET RECONCILIATION - MAX-A -HOME
    NU005_12B       ASSET RECONCILIATION - MAX-B -HOME
    NU005_16A       ASSET RECONCILIATION - MAX-A -MOBILE HOME
    NU005_16B       ASSET RECONCILIATION - MAX-B -MOBILE HOME
    NU006_12A       ASSET RECONCILIATION - RESULT-A-HOME
    NU006_12B       ASSET RECONCILIATION - RESULT-B-HOME
    NU006_16A       ASSET RECONCILIATION - RESULT-A-MOBILE HOME
    NU006_16B       ASSET RECONCILIATION - RESULT-B-MOBILE HOME
    NU022_12A       WHICH WAVE WRONG-A-HOME
    NU022_12B       WHICH WAVE WRONG-B-HOME
    NU022_16A       WHICH WAVE WRONG-A-MOBILE HOME
    NU022_16B       WHICH WAVE WRONG-B-MOBILE HOME
HRS 2014:
    OH002           TYPE HOME
    OH004           OWN-RENT HOME
    OH008           OWN PART OR ALL/RENT FARM
    OH014           OWN MOBILE HOME/SITE
    OH016           MOBILE HOME PRESENT VALUE
    OH017           MOBILE HOME PRESENT VALUE- MIN
    OH018           MOBILE HOME PRESENT VALUE- MAX
    OH019           MOBILE HOME PRESENT VALUE- RESULT
    OH020           HOME PRESENT VALUE
    OH021           HOME PRESENT VALUE- MIN
    OH022           HOME PRESENT VALUE- MAX
    OH023           HOME PRESENT VALUE- RESULT
    OU001_12        ASSET RECONCILIATION - HOME
    OU001_16        ASSET RECONCILIATION - MOBILE HOME
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    OU002_12        ASSET RECONCILIATION - WHICH WRONG-HOME
    OU002_16        ASSET RECONCILIATION - WHICH WRONG-MOBILE HOME
    OU003_12A       ASSET RECONCILIATION - HOW MUCH -A-HOME
    OU003_12B       ASSET RECONCILIATION - HOW MUCH-B-HOME
    OU003_16A       ASSET RECONCILIATION - HOW MUCH -A-MOBILE HOME
    OU003_16B       ASSET RECONCILIATION - HOW MUCH-B-MOBILE HOME
    OU004_12A       ASSET RECONCILIATION - MIN-A-HOME
    OU004_12B       ASSET RECONCILIATION - MIN-B-HOME
    OU004_16A       ASSET RECONCILIATION - MIN-A-MOBILE HOME
    OU004_16B       ASSET RECONCILIATION - MIN-B-MOBILE HOME
    OU005_12A       ASSET RECONCILIATION - MAX-A -HOME
    OU005_12B       ASSET RECONCILIATION - MAX-B -HOME
    OU005_16A       ASSET RECONCILIATION - MAX-A -MOBILE HOME
    OU005_16B       ASSET RECONCILIATION - MAX-B -MOBILE HOME
    OU006_12A       ASSET RECONCILIATION - RESULT-A-HOME
    OU006_12B       ASSET RECONCILIATION - RESULT-B-HOME
    OU006_16A       ASSET RECONCILIATION - RESULT-A-MOBILE HOME
    OU006_16B       ASSET RECONCILIATION - RESULT-B-MOBILE HOME
    OU022_12A       WHICH WAVE WRONG-A-HOME
    OU022_12B       WHICH WAVE WRONG-B-HOME
    OU022_16A       WHICH WAVE WRONG-A-MOBILE HOME
    OU022_16B       WHICH WAVE WRONG-B-MOBILE HOME
Tracker:
    GNURSHM         2000 NURSING HOME STATUS
    HNURSHM         2002 NURSING HOME STATUS
    JNURSHM         2004 NURSING HOME STATUS
    KNURSHM         2006 NURSING HOME STATUS
    LNURSHM         2008 NURSING HOME STATUS
    MNURSHM         2010 NURSING HOME STATUS
    NNURSHM         2012 NURSING HOME STATUS
    ONURSHM         2014 NURSING HOME STATUS
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Value of all mortgages/land contracts (primary residence)

Wave	Variable	Label	Type
1	H1AMORT	H1AMORT:W1 Assets:Total Mortgage--Cross-wave	Cont
2	H2AMORT	H2AMORT:W2 Assets:Total Mortgage--Cross-wave	Cont
3	H3AMORT	H3AMORT:W3 Assets:Total Mortgage--Cross-wave	Cont
4	H4AMORT	H4AMORT:W4 Assets:Total Mortgage--Cross-wave	Cont
5	H5AMORT	H5AMORT:W5 Assets:Total Mortgage--Cross-wave	Cont
6	H6AMORT	H6AMORT:W6 Assets:Total Mortgage--Cross-wave	Cont
7	H7AMORT	H7AMORT:W7 Assets:Total Mortgage--Cross-wave	Cont
8	H8AMORT	H8AMORT:W8 Assets:Total Mortgage--Cross-wave	Cont
9	H9AMORT	H9AMORT:W9 Assets:Total Mortgage--Cross-wave	Cont
10	H10AMORT	H10AMORT:W10 Assets:Total Mortgage--Cross-wave	Cont
11	H11AMORT	H11AMORT:W11 Assets:Total Mortgage--Cross-wave	Cont
12	H12AMORT	H12AMORT:W12 Assets:Total Mortgage--Cross-wave	Cont
1	H1AFMORT	H1AFMORT:W1 Asst Flag: Total Mortgage	Categ
2	H2AFMORT	H2AFMORT:W2 Asst Flag: Total Mortgage	Categ
3	H3AFMORT	H3AFMORT:W3 Asst Flag: Total Mortgage	Categ
4	H4AFMORT	H4AFMORT:W4 Asst Flag: Total Mortgage	Categ
5	H5AFMORT	H5AFMORT:W5 Asst Flag: Total Mortgage	Categ
6	H6AFMORT	H6AFMORT:W6 Asst Flag: Total Mortgage	Categ
7	H7AFMORT	H7AFMORT:W7 Asst Flag: Total Mortgage	Categ
8	H8AFMORT	H8AFMORT:W8 Asst Flag: Total Mortgage	Categ
9	H9AFMORT	H9AFMORT:W9 Asst Flag: Total Mortgage	Categ
10	H10AFMORT	H10AFMORT:W10 Asst Flag: Total Mortgage	Categ
11	H11AFMORT	H11AFMORT:W11 Asst Flag: Total Mortgage	Categ
12	H12AFMORT	H12AFMORT:W12 Asst Flag: Total Mortgage	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMORT	12652	20484.05	42385.98	0.0	1070000.0
H2AMORT	19642	14497.31	72104.72	0.0	6000000.0
H3AMORT	17991	14431.04	40629.07	0.0	1000000.0
H4AMORT	21384	17839.69	44532.74	0.0	1000000.0
H5AMORT	19579	19526.70	49432.98	0.0	1200000.0
H6AMORT	18165	21446.04	56017.56	0.0	952753.5
H7AMORT	20129	30178.46	68879.51	0.0	1300000.0
H8AMORT	18469	34216.76	84747.36	0.0	1763035.7
H9AMORT	17217	35479.42	89764.01	0.0	3000000.0
H10AMORT	22034	40518.52	98032.29	0.0	3250000.0
H11AMORT	20554	38417.15	90625.05	0.0	1374049.5
H12AMORT	18748	35699.84	92274.19	0.0	5060000.0
H1AFMORT	12652	0.57	0.93	0.0	9.0
H2AFMORT	19642	0.41	0.98	0.0	9.0
H3AFMORT	17991	0.38	0.88	0.0	9.0
H4AFMORT	21384	0.41	0.95	0.0	9.0
H5AFMORT	19579	0.40	0.88	0.0	9.0
H6AFMORT	18165	0.36	0.71	0.0	9.0
H7AFMORT	20129	0.41	0.75	0.0	9.0
H8AFMORT	18469	0.39	0.72	0.0	9.0
H9AFMORT	17217	0.39	0.77	0.0	9.0
H10AFMORT	22034	0.46	0.94	0.0	9.0
H11AFMORT	20554	0.40	0.90	0.0	9.0
H12AFMORT	18748	0.40	0.98	0.0	9.0

Categorical Variable Codes

Value	H1AFMORT	H2AFMORT	H3AFMORT	H4AFMORT	H5AFMORT	H6AFMORT	H7AFMORT
0.No asset	6725	13664	12893	14903	13550	12842	13501
1.No imputations	5340	5057	4239	5410	4996	4304	5500
2.Some imputation	492	744	744	901	911	979	1067
9.No Fin Resp	95	177	115	170	122	40	61

Value	H8AFMORT	H9AFMORT	H10AFMORT	H11AFMORT	H12AFMORT
0.No asset	12619	11895	14431	14198	13298
1.No imputations	4923	4438	6050	5415	4627
2.Some imputation	879	821	1400	800	656
9.No Fin Resp	48	63	153	141	167

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed value of all mortgages is assigned to HwAMORT. HwAFMORT is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

Both a 1st and 2nd mortgage can be reported in the data. HwAMORT sums the 1st and 2nd mortgages.

Cross Wave Differences in Original HRS Data

The values of first and second mortgages are asked at each wave. Questions reveal whether the Respondent has a first and second mortgage and if so, the value of them.

In Wave 1, the questions ask:

a) "Is there a mortgage or land contract on this (home and land/apartment/ property)?" [NOTE: If the Respondent asks, do not include home equity loans or lines of credit]

b) "How much is still owed on this loan?"

c) "In addition to your (mortgage/land contract) do you have a second mortgage or a land contract on this property? (Please do not include any home equity lines of credit.)"

d) "How much is still owed on this loan?"

In Wave 2A, the questions ask:

a) "Are you paying anything on a mortgage or other loan on [this property]?"

b) "About how much do you still owe on this mortgage or loan?"

c) "In addition to your mortgage or loan do you have a second mortgage or a land contract on this property?"

d) "About how much do you still owe on that loan?"

Beginning in Wave 2H, the ownership questions cover 1st mortgage, 2nd mortgage and other loans. Up to 3 loans may be specified:

a) "Do you have a mortgage, land contract, second mortgage or any other loan that uses the property as collateral? Please do not include any home equity lines of credit."

Beginning in Wave 9, a qualifying statement was added to this question, which says "Do not include reverse mortgages."

b) [If 1st mortgage] "About how much do you still owe on that mortgage or land contract?"

c) [If 2nd mortgage] "About how much do you still owe on that second mortgage?"

From Wave 2H forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, but range card brackets may be coded if the Respondent refuses or does not know the value.

HRS Variables Used

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HRS 1992:
    V10722          D25:MORTGAG/LNLCNTRC:IND
    V10723          D26:1ST_MORT:$STILOW:IND
    V10729          D30:2ND_MORT/LNDCNTC:IND
    V10730          D26:2ND_LOAN:$_OWED :IND
    V722            D25:MORTGAGE/LND CON:IMP
    V723            D26:1ST MORT:$STILL :IMP
    V729            D30:2ND MORT/LND CON:IMP
    V730            D26:2ND LOAN:$STILL :IMP
AHEAD 1993:
    B1067           F10. MOBILE HOME & SITE: OWN/RENT
    B1087           F23. OWN OR RENT FARM/RANCH?
    B1088           F23a. OWN FARMHOUSE?
    B1091           F25. OWN OR RENT HOME/APT?
    B1121           F30. MORTGAGE ON HOME
    B1126           F34. AMOUNT STILL OWE ON MORTGAGE
    B1127           F35. SECOND MORTGAGE?
    B1131           F36. AMOUNT STILL OWE ON SECOND MORTGAGE
HRS 1994:
    W10616          D7/1. Imputation indicat
    W10617          D7/2.. Imputation indica
    W10622          D7d. Imputation indicato
    W10626          D9c. Imputation indicato
    W616            D7.MORTGAGE OR LAND CONT
    W617            D7.MORTGAGE OR LAND CONT
    W622            D7d.STILL OWE ON MORTGAG
    W623            D7d1-D7d3. Brackets
    W626            D9c.STILL OWE ON SECOND
    W627            D9c1-D9c3. Brackets
AHEAD 1995:
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    D2251M1         F7.HOME MORTGAGE
    D2251M2         F7.HOME MORTGAGE
    D2256           F7D.$ OWN ON MORTGAGE
    D2257B          F7D.$ OWN ON MORTGAGE/Bkt
    D2263           F9C.$ OWN ON 2ND MORTGAGE
    D2264B          F9C.$ OWN ON 2ND MORTGAGE/Bkt
HRS 1996:
    E2251M1         F7.HOME MORTGAGE
    E2251M2         F7.HOME MORTGAGE
    E2251M3         F7.HOME MORTGAGE
    E2256           F7D.$ OWE ON MORTGAGE
    E2257B          F7D.$ OWE ON MORTGAGE/Bkt
    E2263           F9C.$ OWE ON 2ND MORTGAGE
    E2264B          F9C.$ OWE ON 2ND MORTGAGE/Bkt
HRS 1998:
    F2768M1         F7.HOME MORTGAGE
    F2768M2         F7.HOME MORTGAGE
    F2773           F7D.$ OWE ON MORTGAGE
    F2774B          F7D.$ OWE ON MORTGAGE-Bkt
    F2780           F9C.$ OWN ON 2ND MORTGAGE
    F2781B          F9C.$ OWN ON 2ND MORTGAGE-Bkt
HRS 2000:
    G3086M1         F7.HOME MORTGAGE
    G3086M2         F7.HOME MORTGAGE
    G3091           F7D.$ OWE ON MORTGAGE
    G3092           F7E.  F7E DK-1
    G3093           F7F.  F7E DK-2
    G3094           F7Y1F.  F7E DK-3
    G3098           F9C.$ OWE ON 2ND MORTGAGE
    G3099           F9D.  F9C DK-1
    G3100           F9E.  F9C DK-2
    G3101           F9F.  F9C DK-3
HRS 2002:
    HH024M1         LOAN-WITH PROPERTY AS COLLATERAL
    HH024M2         LOAN-WITH PROPERTY AS COLLATERAL
    HH024M3         LOAN-WITH PROPERTY AS COLLATERAL
    HH032           HOW MUCH IS STILL OWED ON MORTGAGE
    HH033           HOW MUCH IS STILL OWED ON MORTGAGE- MIN
    HH034           HOW MUCH IS STILL OWED ON MORTGAGE- MAX
    HH035           HOW MUCH STILL OWED ON MORTGAGE- RESULT
    HH042           MONEY OWED ON 2ND PROPERTY LOAN
    HH043           MONEY OWED ON 2ND PROPERTY LOAN- MIN
    HH044           MONEY OWED ON 2ND PROPERTY LOAN- MAX
    HH045           MONEY OWED ON 2ND PROPERTY LOAN- RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    JH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    JH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    JH032           HOW MUCH IS STILL OWED ON MORTGAGE
    JH033           HOW MUCH IS STILL OWED ON MORTGAGE- MIN
    JH034           HOW MUCH IS STILL OWED ON MORTGAGE- MAX
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    JH035           HOW MUCH STILL OWED ON MORTGAGE- RESULT
    JH042           MONEY OWED ON 2ND PROPERTY LOAN
    JH043           MONEY OWED ON 2ND PROPERTY LOAN- MIN
    JH044           MONEY OWED ON 2ND PROPERTY LOAN- MAX
    JH045           MONEY OWED ON 2ND PROPERTY LOAN- RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    KH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    KH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    KH032           HOW MUCH IS STILL OWED ON MORTGAGE
    KH033           HOW MUCH IS STILL OWED ON MORTGAGE- MIN
    KH034           HOW MUCH IS STILL OWED ON MORTGAGE- MAX
    KH035           HOW MUCH STILL OWED ON MORTGAGE- RESULT
    KH042           MONEY OWED ON 2ND PROPERTY LOAN
    KH043           MONEY OWED ON 2ND PROPERTY LOAN- MIN
    KH044           MONEY OWED ON 2ND PROPERTY LOAN- MAX
    KH045           MONEY OWED ON 2ND PROPERTY LOAN- RESULT
    KU001_13        ASSET RECONCILIATION-MORTGAGE1
    KU001_14        ASSET RECONCILIATION-MORTGAGE2
    KU002_13        ASSET RECON WHICH WRONG-MORTGAGE1
    KU002_14        ASSET RECON WHICH WRONG-MORTGAGE2
    KU003_13A       ASSET RECON HOW MUCH -A-MORTGAGE1
    KU003_13B       ASSET RECON HOW MUCH-B-MORTGAGE1
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    KU003_14A       ASSET RECON HOW MUCH -A-MORTGAGE2
    KU003_14B       ASSET RECON HOW MUCH-B-MORTGAGE2
    KU004_13A       ASSET RECON -MIN-A-MORTGAGE1
    KU004_13B       ASSET RECON-MIN-B-MORTGAGE1
    KU004_14A       ASSET RECON -MIN-A-MORTGAGE2
    KU004_14B       ASSET RECON -MIN-B-MORTGAGE2
    KU005_13A       ASSET RECON -MAX-A -MORTGAGE1
    KU005_13B       ASSET RECON-MAX-B -MORTGAGE1
    KU005_14A       ASSET RECON -MAX-A -MORTGAGE2
    KU005_14B       ASSET RECON -MAX-B -MORTGAGE2
    KU006_13A       ASSET RECON - RESULT-A-MORTGAGE1
    KU006_13B       ASSET RECON- RESULT-B-MORTGAGE1
    KU006_14A       ASSET RECON - RESULT-A-MORTGAGE2
    KU006_14B       ASSET RECON - RESULT-B-MORTGAGE2
    KU022_13A       WHICH WAVE WRONG-A-MORTGAGE1
    KU022_13B       WHICH WAVE WRONG-B-MORTGAGE1
    KU022_14A       WHICH WAVE WRONG-A-MORTGAGE2
    KU022_14B       WHICH WAVE WRONG-B-MORTGAGE2
HRS 2008:
    LH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    LH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    LH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    LH032           HOW MUCH IS STILL OWED ON MORTGAGE
    LH033           HOW MUCH IS STILL OWED ON MORTGAGE- MIN
    LH034           HOW MUCH IS STILL OWED ON MORTGAGE- MAX
    LH035           HOW MUCH STILL OWED ON MORTGAGE- RESULT
    LH042           MONEY OWED ON 2ND PROPERTY LOAN
    LH043           MONEY OWED ON 2ND PROPERTY LOAN- MIN
    LH044           MONEY OWED ON 2ND PROPERTY LOAN- MAX
    LH045           MONEY OWED ON 2ND PROPERTY LOAN- RESULT
    LU001_13        ASSET RECONCILIATION-MORTGAGE1
    LU001_14        ASSET RECONCILIATION-MORTGAGE2
    LU002_13        ASSET RECONCILIATION  WHICH WRONG-MORTGAGE1
    LU002_14        ASSET RECONCILIATION  WHICH WRONG-MORTGAGE2
    LU003_13A       ASSET RECONCILIATION HOW MUCH -A-MORTGAGE1
    LU003_13B       ASSET RECONCILIATION HOW MUCH-B-MORTGAGE1
    LU003_14A       ASSET RECONCILIATION HOW MUCH -A-MORTGAGE2
    LU003_14B       ASSET RECONCILIATION HOW MUCH-B-MORTGAGE2
    LU004_13A       ASSET RECON -MIN-A-MORTGAGE1
    LU004_13B       ASSET RECON-MIN-B-MORTGAGE1
    LU004_14A       ASSET RECON -MIN-A-MORTGAGE2
    LU004_14B       ASSET RECON -MIN-B-MORTGAGE2
    LU005_13A       ASSET RECON -MAX-A -MORTGAGE1
    LU005_13B       ASSET RECON-MAX-B -MORTGAGE1
    LU005_14A       ASSET RECON -MAX-A -MORTGAGE2
    LU005_14B       ASSET RECON -MAX-B -MORTGAGE2
    LU006_13A       ASSET RECON - RESULT-A-MORTGAGE1
    LU006_13B       ASSET RECON- RESULT-B-MORTGAGE1
    LU006_14A       ASSET RECON - RESULT-A-MORTGAGE2
    LU006_14B       ASSET RECON - RESULT-B-MORTGAGE2
    LU022_13A       WHICH WAVE WRONG-A-MORTGAGE1
    LU022_13B       WHICH WAVE WRONG-B-MORTGAGE1
    LU022_14A       WHICH WAVE WRONG-A-MORTGAGE2
    LU022_14B       WHICH WAVE WRONG-B-MORTGAGE2
HRS 2010:
    MH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    MH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    MH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    MH032           HOW MUCH IS STILL OWED ON MORTGAGE
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    MH033           HOW MUCH IS STILL OWED ON MORTGAGE- MIN
    MH034           HOW MUCH IS STILL OWED ON MORTGAGE- MAX
    MH035           HOW MUCH STILL OWED ON MORTGAGE- RESULT
    MH042           MONEY OWED ON 2ND PROPERTY LOAN
    MH043           MONEY OWED ON 2ND PROPERTY LOAN- MIN
    MH044           MONEY OWED ON 2ND PROPERTY LOAN- MAX
    MH045           MONEY OWED ON 2ND PROPERTY LOAN- RESULT
    MU001_13        ASSET RECONCILIATION - MORTGAGE1
    MU001_14        ASSET RECONCILIATION - MORTGAGE2
    MU002_13        ASSET RECONCILIATION - WHICH WRONG-MORTGAGE1
    MU002_14        ASSET RECONCILIATION - WHICH WRONG-MORTGAGE2
    MU003_13A       ASSET RECONCILIATION - HOW MUCH -A-MORTGAGE1
    MU003_13B       ASSET RECONCILIATION - HOW MUCH-B-MORTGAGE1
    MU003_14A       ASSET RECONCILIATION - HOW MUCH -A-MORTGAGE2
    MU003_14B       ASSET RECONCILIATION - HOW MUCH-B-MORTGAGE2
    MU004_13A       ASSET RECONCILIATION - MIN-A-MORTGAGE1
    MU004_13B       ASSET RECONCILIATION - MIN-B-MORTGAGE1
    MU004_14A       ASSET RECONCILIATION - MIN-A-MORTGAGE2
    MU004_14B       ASSET RECONCILIATION - MIN-B-MORTGAGE2
    MU005_13A       ASSET RECONCILIATION - MAX-A -MORTGAGE1
    MU005_13B       ASSET RECONCILIATION - MAX-B -MORTGAGE1
    MU005_14A       ASSET RECONCILIATION - MAX-A -MORTGAGE2
    MU005_14B       ASSET RECONCILIATION - MAX-B -MORTGAGE2
    MU006_13A       ASSET RECONCILIATION - RESULT-A-MORTGAGE1
    MU006_13B       ASSET RECONCILIATION - RESULT-B-MORTGAGE1
    MU006_14A       ASSET RECONCILIATION - RESULT-A-MORTGAGE2
    MU006_14B       ASSET RECONCILIATION - RESULT-B-MORTGAGE2
    MU022_13A       WHICH WAVE WRONG-A-MORTGAGE1
    MU022_13B       WHICH WAVE WRONG-B-MORTGAGE1
    MU022_14A       WHICH WAVE WRONG-A-MORTGAGE2
    MU022_14B       WHICH WAVE WRONG-B-MORTGAGE2
HRS 2012:
    NH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    NH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    NH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    NH032           HOW MUCH IS STILL OWED ON MORTGAGE
    NH033           HOW MUCH IS STILL OWED ON MORTGAGE- MIN
    NH034           HOW MUCH IS STILL OWED ON MORTGAGE- MAX
    NH035           HOW MUCH STILL OWED ON MORTGAGE- RESULT
    NH042           MONEY OWED ON 2ND PROPERTY LOAN
    NH043           MONEY OWED ON 2ND PROPERTY LOAN- MIN
    NH044           MONEY OWED ON 2ND PROPERTY LOAN- MAX
    NH045           MONEY OWED ON 2ND PROPERTY LOAN- RESULT
    NU001_13        ASSET RECONCILIATION - MORTGAGE1
    NU001_14        ASSET RECONCILIATION - MORTGAGE2
    NU002_13        ASSET RECONCILIATION - WHICH WRONG-MORTGAGE1
    NU002_14        ASSET RECONCILIATION - WHICH WRONG-MORTGAGE2
    NU003_13A       ASSET RECONCILIATION - HOW MUCH -A-MORTGAGE1
    NU003_13B       ASSET RECONCILIATION - HOW MUCH-B-MORTGAGE1
    NU003_14A       ASSET RECONCILIATION - HOW MUCH -A-MORTGAGE2
    NU003_14B       ASSET RECONCILIATION - HOW MUCH-B-MORTGAGE2
    NU004_13A       ASSET RECONCILIATION - MIN-A-MORTGAGE1
    NU004_13B       ASSET RECONCILIATION - MIN-B-MORTGAGE1
    NU004_14A       ASSET RECONCILIATION - MIN-A-MORTGAGE2
    NU004_14B       ASSET RECONCILIATION - MIN-B-MORTGAGE2
    NU005_13A       ASSET RECONCILIATION - MAX-A -MORTGAGE1
    NU005_13B       ASSET RECONCILIATION - MAX-B -MORTGAGE1
    NU005_14A       ASSET RECONCILIATION - MAX-A -MORTGAGE2
    NU005_14B       ASSET RECONCILIATION - MAX-B -MORTGAGE2
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    NU006_13A       ASSET RECONCILIATION - RESULT-A-MORTGAGE1
    NU006_13B       ASSET RECONCILIATION - RESULT-B-MORTGAGE1
    NU006_14A       ASSET RECONCILIATION - RESULT-A-MORTGAGE2
    NU006_14B       ASSET RECONCILIATION - RESULT-B-MORTGAGE2
    NU022_13A       WHICH WAVE WRONG-A-MORTGAGE1
    NU022_13B       WHICH WAVE WRONG-B-MORTGAGE1
    NU022_14A       WHICH WAVE WRONG-A-MORTGAGE2
    NU022_14B       WHICH WAVE WRONG-B-MORTGAGE2
HRS 2014:
    OH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    OH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    OH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    OH032           HOW MUCH IS STILL OWED ON MORTGAGE
    OH033           HOW MUCH IS STILL OWED ON MORTGAGE- MIN
    OH034           HOW MUCH IS STILL OWED ON MORTGAGE- MAX
    OH035           HOW MUCH STILL OWED ON MORTGAGE- RESULT
    OH042           MONEY OWED ON 2ND PROPERTY LOAN
    OH043           MONEY OWED ON 2ND PROPERTY LOAN- MIN
    OH044           MONEY OWED ON 2ND PROPERTY LOAN- MAX
    OH045           MONEY OWED ON 2ND PROPERTY LOAN- RESULT
    OU001_13        ASSET RECONCILIATION - MORTGAGE1
    OU001_14        ASSET RECONCILIATION - MORTGAGE2
    OU002_13        ASSET RECONCILIATION - WHICH WRONG-MORTGAGE1
    OU002_14        ASSET RECONCILIATION - WHICH WRONG-MORTGAGE2
    OU003_13A       ASSET RECONCILIATION - HOW MUCH -A-MORTGAGE1
    OU003_13B       ASSET RECONCILIATION - HOW MUCH-B-MORTGAGE1
    OU003_14A       ASSET RECONCILIATION - HOW MUCH -A-MORTGAGE2
    OU003_14B       ASSET RECONCILIATION - HOW MUCH-B-MORTGAGE2
    OU004_13A       ASSET RECONCILIATION - MIN-A-MORTGAGE1
    OU004_13B       ASSET RECONCILIATION - MIN-B-MORTGAGE1
    OU004_14A       ASSET RECONCILIATION - MIN-A-MORTGAGE2
    OU004_14B       ASSET RECONCILIATION - MIN-B-MORTGAGE2
    OU005_13A       ASSET RECONCILIATION - MAX-A -MORTGAGE1
    OU005_13B       ASSET RECONCILIATION - MAX-B -MORTGAGE1
    OU005_14A       ASSET RECONCILIATION - MAX-A -MORTGAGE2
    OU005_14B       ASSET RECONCILIATION - MAX-B -MORTGAGE2
    OU006_13A       ASSET RECONCILIATION - RESULT-A-MORTGAGE1
    OU006_13B       ASSET RECONCILIATION - RESULT-B-MORTGAGE1
    OU006_14A       ASSET RECONCILIATION - RESULT-A-MORTGAGE2
    OU006_14B       ASSET RECONCILIATION - RESULT-B-MORTGAGE2
    OU022_13A       WHICH WAVE WRONG-A-MORTGAGE1
    OU022_13B       WHICH WAVE WRONG-B-MORTGAGE1
    OU022_14A       WHICH WAVE WRONG-A-MORTGAGE2
    OU022_14B       WHICH WAVE WRONG-B-MORTGAGE2
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Value of other home loans (primary residence)

Wave	Variable	Label	Type
1	H1AHMLN	H1AHMLN:W1 Assets:Total Othr Home Loans--Cross-wave	Cont
2	H2AHMLN	H2AHMLN:W2 Assets:Total Othr Home Loans--Cross-wave	Cont
3	H3AHMLN	H3AHMLN:W3 Assets:Total Othr Home Loans--Cross-wave	Cont
4	H4AHMLN	H4AHMLN:W4 Assets:Total Othr Home Loans--Cross-wave	Cont
5	H5AHMLN	H5AHMLN:W5 Assets:Total Othr Home Loans--Cross-wave	Cont
6	H6AHMLN	H6AHMLN:W6 Assets:Total Othr Home Loans--Cross-wave	Cont
7	H7AHMLN	H7AHMLN:W7 Assets:Total Othr Home Loans--Cross-wave	Cont
8	H8AHMLN	H8AHMLN:W8 Assets:Total Othr Home Loans--Cross-wave	Cont
9	H9AHMLN	H9AHMLN:W9 Assets:Total Othr Home Loans--Cross-wave	Cont
10	H10AHMLN	H10AHMLN:W10 Assets:Total Othr Home Loans--Cross-wave	Cont
11	H11AHMLN	H11AHMLN:W11 Assets:Total Othr Home Loans--Cross-wave	Cont
12	H12AHMLN	H12AHMLN:W12 Assets:Total Othr Home Loans--Cross-wave	Cont
1	H1AFHMLN	H1AFHMLN:W1 Asst Flag: Total Oth Hm Loans	Categ
2	H2AFHMLN	H2AFHMLN:W2 Asst Flag: Total Oth Hm Loans	Categ
3	H3AFHMLN	H3AFHMLN:W3 Asst Flag: Total Oth Hm Loans	Categ
4	H4AFHMLN	H4AFHMLN:W4 Asst Flag: Total Oth Hm Loans	Categ
5	H5AFHMLN	H5AFHMLN:W5 Asst Flag: Total Oth Hm Loans	Categ
6	H6AFHMLN	H6AFHMLN:W6 Asst Flag: Total Oth Hm Loans	Categ
7	H7AFHMLN	H7AFHMLN:W7 Asst Flag: Total Oth Hm Loans	Categ
8	H8AFHMLN	H8AFHMLN:W8 Asst Flag: Total Oth Hm Loans	Categ
9	H9AFHMLN	H9AFHMLN:W9 Asst Flag: Total Oth Hm Loans	Categ
10	H10AFHMLN	H10AFHMLN:W10 Asst Flag: Total Oth Hm Loans	Categ
11	H11AFHMLN	H11AFHMLN:W11 Asst Flag: Total Oth Hm Loans	Categ
12	H12AFHMLN	H12AFHMLN:W12 Asst Flag: Total Oth Hm Loans	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHMLN	12652	3244.41	47419.03	0.0	3500000.0
H2AHMLN	19642	1324.62	9016.30	0.0	300000.0
H3AHMLN	17991	1536.35	9034.79	0.0	250000.0
H4AHMLN	21384	1728.27	10668.58	0.0	500000.0
H5AHMLN	19579	1720.66	10040.68	0.0	385000.0
H6AHMLN	18165	2114.92	11954.82	0.0	500000.0
H7AHMLN	20129	3472.41	18727.22	0.0	700000.0
H8AHMLN	18469	4192.97	34291.10	0.0	2500000.0
H9AHMLN	17217	3977.88	24611.63	0.0	1000000.0
H10AHMLN	22034	4272.46	29366.88	0.0	2000000.0
H11AHMLN	20554	3882.24	22355.50	0.0	750000.0
H12AHMLN	18748	3528.38	20252.63	0.0	637202.7
H1AFHMLN	12652	0.23	0.89	0.0	9.0
H2AFHMLN	11632	0.25	1.01	0.0	9.0
H3AFHMLN	17991	0.16	0.79	0.0	9.0
H4AFHMLN	21384	0.18	0.87	0.0	9.0
H5AFHMLN	19579	0.16	0.79	0.0	9.0
H6AFHMLN	18165	0.15	0.60	0.0	9.0
H7AFHMLN	20129	0.17	0.65	0.0	9.0
H8AFHMLN	18469	0.16	0.61	0.0	9.0
H9AFHMLN	17217	0.17	0.68	0.0	9.0
H10AFHMLN	22034	0.24	0.88	0.0	9.0
H11AFHMLN	20554	0.20	0.84	0.0	9.0
H12AFHMLN	18748	0.20	0.92	0.0	9.0

Categorical Variable Codes

Value	H1AFHMLN	H2AFHMLN	H3AFHMLN	H4AFHMLN	H5AFHMLN	H6AFHMLN	H7AFHMLN
.Q=Not asked this wv		8010					
0.No asset	10942	10088	16401	19375	17769	16285	17716
1.No imputations	1187	1037	1186	1460	1251	1240	1779
2.Some imputation	428	383	289	379	437	600	573
9.No Fin Resp	95	124	115	170	122	40	61

Value	H8AFHMLN	H9AFHMLN	H10AFHMLN	H11AFHMLN	H12AFHMLN
0.No asset	16279	15170	18935	18226	16782
1.No imputations	1678	1530	1888	1614	1320
2.Some imputation	464	454	1058	573	479
9.No Fin Resp	48	63	153	141	167

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

HwAHMLN is the sum of the reported or imputed value of all other home loans other than the first or second mortgages plus the balance on an equity line of credit. HwAFHMLN is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

Cross Wave Differences in Original HRS Data

The values of home loans other than first and second mortgages are asked at each wave. Questions reveal whether the Respondent has any other home loans and if so, the value of them.

In Wave 1, questions ask about home equity loans and lines of credit, separately:

1a) "Do you have any (other) loans that use this property as collateral? (Please do not include any home equity lines of credit.)"

1b) "How much is still owed on this loan?"

2a) "Do you currently have a loan against this line of credit?"

2b) "How much is currently owed?"

In Wave 2A, one question is asked about other loans:

1a) "Do you have any (other) loans that use this property as collateral?"

1b) "About how much is still owed on this loan?"

Beginning in Wave 2H, the ownership questions cover 1st mortgage, 2nd mortgage and other loans. Up to 3 loans may be specified:

1a) "Do you have a mortgage, land contract, second mortgage or any other loan that uses the property as collateral? Please do not include any home equity lines of credit."

1b) "About how much do you still owe on that loan?"

As in Wave 1, the Respondent is asked about a home equity line of credit separately:

2a) "Do you currently have a loan against this line of credit?"

2b) "About how much is currently owed?"

From Wave 3 forward, if the Respondent refuses or does not know the value of the home equity loans, a series of unfolding bracket questions are asked. The bracket ranges and entry points are the same across waves. From Wave 6 forward, unfolding bracket questions are asked for the value of a home equity line of credit. In Wave 1 range card brackets may be coded if the Respondent refuses or does not know the value.

HRS Variables Used

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HRS 1992:
    V10735          D31:ANY_OTHER_LOANS :IND
    V10736          D26:HM_EQTY_LOAN_$OW:IND
    V10743          D32B:LOAN_AGNST_CRDI:IND
    V10744          D32C:$_CURRENTLY_OWE:IND
    V735            D31:ANY OTHER LOANS :IMP
    V736            D26:HM EQ LN-$ STILL:IMP
    V743            D32B:LOAN AGNST CRDI:IMP
    V744            D32C:$ CURRENTLY OWE:IMP
AHEAD 1993:
    B1067           F10. MOBILE HOME & SITE: OWN/RENT
    B1087           F23. OWN OR RENT FARM/RANCH?
    B1088           F23a. OWN FARMHOUSE?
    B1091           F25. OWN OR RENT HOME/APT?
    B1132           F37. OTH LOANS W/ PROPERTY AS COLLATERAL
    B1135           F37c. AMOUNT STILL OWE OTHER LOAN
HRS 1994:
    W10631          D10c. Imputation indicat
    W10634          D11b. Imputation indicat
    W10635          D11c. Imputation indicat
    W616            D7.MORTGAGE OR LAND CONT
    W617            D7.MORTGAGE OR LAND CONT
    W618            D7.MORTGAGE OR LAND CONT
    W631            D10c.STILL OWE ON LOAN
    W634            D11b.LOAN AGAINST LINE O
    W635            D11c.AMOUNT CURRENTLY OW
AHEAD 1995:
    D2251M1         F7.HOME MORTGAGE
    D2251M2         F7.HOME MORTGAGE
    D2270           F10E.$ OWN ON LOAN
    D2271B          F10E.$ OWN ON LOAN/Bkt
    D2276           F11B.EQUITY LOAN NOW
    D2277           F11C.$ OWED EQUITY LOAD
HRS 1996:
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    E2251M1         F7.HOME MORTGAGE
    E2251M2         F7.HOME MORTGAGE
    E2251M3         F7.HOME MORTGAGE
    E2270           F10E.$ OWE ON LOAN
    E2271B          F10E.$ OWE ON LOAN/Bkt
    E2276           F11B.EQUITY LOAN NOW
    E2277           F11C.$ OWED EQUITY LOAD
HRS 1998:
    F2768M1         F7.HOME MORTGAGE
    F2768M2         F7.HOME MORTGAGE
    F2787           F10E.$ OWN ON LOAN
    F2788B          F10E.$ OWN ON LOAN-Bkt
    F2793           F11B.EQUITY LOAN NOW
    F2794           F11C.$ OWED EQUITY LOAD
HRS 2000:
    G3086M1         F7.HOME MORTGAGE
    G3086M2         F7.HOME MORTGAGE
    G3105           F10E.$ OWE ON LOAN
    G3106           F10B.F10A DK-1
    G3107           F10C.  F10A DK-2
    G3108           F10D.  F10A DK-3
    G3111           F11B.EQUITY LOAN NOW
    G3112           F11C.$ OWED EQUITY LOAD
HRS 2002:
    HH024M1         LOAN-WITH PROPERTY AS COLLATERAL
    HH024M2         LOAN-WITH PROPERTY AS COLLATERAL
    HH024M3         LOAN-WITH PROPERTY AS COLLATERAL
    HH052           MONEY OWE ON OTHER LOAN
    HH053           MONEY OWE ON OTHER LOAN- MIN
    HH054           MONEY OWE ON OTHER LOAN- MAX
    HH055           MONEY OWE ON OTHER LOAN- RESULT
    HH061           EQUITY LOAN NOW
    HH062           MONEY OWED EQUITY LOAN
    HH063           MONEY OWED EQUITY LOAN- MIN
    HH064           MONEY OWED EQUITY LOAN- MAX
    HH065           MONEY OWED EQUITY LOAN- RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    JH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    JH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    JH052           MONEY OWE ON OTHER LOAN
    JH053           MONEY OWE ON OTHER LOAN- MIN
    JH054           MONEY OWE ON OTHER LOAN- MAX
    JH061           EQUITY LOAN NOW
    JH062           MONEY OWED EQUITY LOAN
    JH063           MONEY OWED EQUITY LOAN- MIN
    JH064           MONEY OWED EQUITY LOAN- MAX
    JH065           MONEY OWED EQUITY LOAN- RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
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    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    KH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    KH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    KH052           MONEY OWE ON OTHER LOAN
    KH053           MONEY OWE ON OTHER LOAN- MIN
    KH054           MONEY OWE ON OTHER LOAN- MAX
    KH055           MONEY OWE ON OTHER LOAN- RESULT
    KH061           EQUITY LOAN NOW
    KH062           MONEY OWED EQUITY LOAN
    KH063           MONEY OWED EQUITY LOAN- MIN
    KH064           MONEY OWED EQUITY LOAN- MAX
    KH065           MONEY OWED EQUITY LOAN- RESULT
    KU001_15        ASSET RECONCILIATION-EQUITY LOAN
    KU002_15        ASSET RECON WHICH WRONG-EQUITY LOAN
    KU003_15A       ASSET RECON HOW MUCH -A-EQUITY LOAN
    KU003_15B       ASSET RECON HOW MUCH-B-EQUITY LOAN
    KU004_15A       ASSET RECON -MIN-A-EQUITY LOAN
    KU004_15B       ASSET RECON -MIN-B-EQUITY LOAN
    KU005_15A       ASSET RECON -MAX-A -EQUITY LOAN
    KU005_15B       ASSET RECON -MAX-B -EQUITY LOAN
    KU006_15A       ASSET RECON - RESULT-A-EQUITY LOAN
    KU006_15B       ASSET RECON - RESULT-B-EQUITY LOAN
    KU022_15A       WHICH WAVE WRONG-A-EQUITY LOAN
    KU022_15B       WHICH WAVE WRONG-B-EQUITY LOAN
HRS 2008:
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    LH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    LH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    LH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    LH052           MONEY OWE ON OTHER LOAN
    LH053           MONEY OWE ON OTHER LOAN- MIN
    LH054           MONEY OWE ON OTHER LOAN- MAX
    LH055           MONEY OWE ON OTHER LOAN- RESULT
    LH061           EQUITY LOAN NOW
    LH062           MONEY OWED EQUITY LOAN
    LH063           MONEY OWED EQUITY LOAN- MIN
    LH064           MONEY OWED EQUITY LOAN- MAX
    LH065           MONEY OWED EQUITY LOAN- RESULT
    LU001_15        ASSET RECONCILIATION-EQUITY LOAN
    LU002_15        ASSET RECONCILIATION  WHICH WRONG-EQUITY LOAN
    LU003_15A       ASSET RECONCILIATION HOW MUCH -A-EQUITY LOAN
    LU003_15B       ASSET RECONCILIATION HOW MUCH-B-EQUITY LOAN
    LU004_15A       ASSET RECON -MIN-A-EQUITY LOAN
    LU004_15B       ASSET RECON -MIN-B-EQUITY LOAN
    LU005_15A       ASSET RECON -MAX-A -EQUITY LOAN
    LU005_15B       ASSET RECON -MAX-B -EQUITY LOAN
    LU006_15A       ASSET RECON - RESULT-A-EQUITY LOAN
    LU006_15B       ASSET RECON - RESULT-B-EQUITY LOAN
    LU022_15A       WHICH WAVE WRONG-A-EQUITY LOAN
    LU022_15B       WHICH WAVE WRONG-B-EQUITY LOAN
HRS 2010:
    MH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    MH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    MH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    MH052           MONEY OWE ON OTHER LOAN
    MH053           MONEY OWE ON OTHER LOAN- MIN
    MH054           MONEY OWE ON OTHER LOAN- MAX
    MH055           MONEY OWE ON OTHER LOAN- RESULT
    MH061           EQUITY LOAN NOW
    MH062           MONEY OWED EQUITY LOAN
    MH063           MONEY OWED EQUITY LOAN- MIN
    MH064           MONEY OWED EQUITY LOAN- MAX
    MH065           MONEY OWED EQUITY LOAN- RESULT
    MU001_15        ASSET RECONCILIATION - EQUITY LOAN
    MU002_15        ASSET RECONCILIATION - WHICH WRONG-EQUITY LOAN
    MU003_15A       ASSET RECONCILIATION - HOW MUCH -A-EQUITY LOAN
    MU003_15B       ASSET RECONCILIATION - HOW MUCH-B-EQUITY LOAN
    MU004_15A       ASSET RECONCILIATION - MIN-A-EQUITY LOAN
    MU004_15B       ASSET RECONCILIATION - MIN-B-EQUITY LOAN
    MU005_15A       ASSET RECONCILIATION - MAX-A -EQUITY LOAN
    MU005_15B       ASSET RECONCILIATION - MAX-B -EQUITY LOAN
    MU006_15A       ASSET RECONCILIATION - RESULT-A-EQUITY LOAN
    MU006_15B       ASSET RECONCILIATION - RESULT-B-EQUITY LOAN
    MU022_15A       WHICH WAVE WRONG-A-EQUITY LOAN
    MU022_15B       WHICH WAVE WRONG-B-EQUITY LOAN
HRS 2012:
    NH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    NH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    NH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    NH052           MONEY OWE ON OTHER LOAN
    NH053           MONEY OWE ON OTHER LOAN- MIN
    NH054           MONEY OWE ON OTHER LOAN- MAX
    NH055           MONEY OWE ON OTHER LOAN- RESULT
    NH061           EQUITY LOAN NOW
    NH062           MONEY OWED EQUITY LOAN
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    NH063           MONEY OWED EQUITY LOAN- MIN
    NH064           MONEY OWED EQUITY LOAN- MAX
    NH065           MONEY OWED EQUITY LOAN- RESULT
    NU001_15        ASSET RECONCILIATION - EQUITY LOAN
    NU002_15        ASSET RECONCILIATION - WHICH WRONG-EQUITY LOAN
    NU003_15A       ASSET RECONCILIATION - HOW MUCH -A-EQUITY LOAN
    NU003_15B       ASSET RECONCILIATION - HOW MUCH-B-EQUITY LOAN
    NU004_15A       ASSET RECONCILIATION - MIN-A-EQUITY LOAN
    NU004_15B       ASSET RECONCILIATION - MIN-B-EQUITY LOAN
    NU005_15A       ASSET RECONCILIATION - MAX-A -EQUITY LOAN
    NU005_15B       ASSET RECONCILIATION - MAX-B -EQUITY LOAN
    NU006_15A       ASSET RECONCILIATION - RESULT-A-EQUITY LOAN
    NU006_15B       ASSET RECONCILIATION - RESULT-B-EQUITY LOAN
    NU022_15A       WHICH WAVE WRONG-A-EQUITY LOAN
    NU022_15B       WHICH WAVE WRONG-B-EQUITY LOAN
HRS 2014:
    OH024M1         LOAN-WITH PROPERTY AS COLLATERAL-1
    OH024M2         LOAN-WITH PROPERTY AS COLLATERAL-2
    OH024M3         LOAN-WITH PROPERTY AS COLLATERAL-3
    OH052           MONEY OWE ON OTHER LOAN
    OH053           MONEY OWE ON OTHER LOAN- MIN
    OH054           MONEY OWE ON OTHER LOAN- MAX
    OH055           MONEY OWE ON OTHER LOAN- RESULT
    OH061           EQUITY LOAN NOW
    OH062           MONEY OWED EQUITY LOAN
    OH063           MONEY OWED EQUITY LOAN- MIN
    OH064           MONEY OWED EQUITY LOAN- MAX
    OH065           MONEY OWED EQUITY LOAN- RESULT
    OU001_15        ASSET RECONCILIATION - EQUITY LOAN
    OU002_15        ASSET RECONCILIATION - WHICH WRONG-EQUITY LOAN
    OU003_15A       ASSET RECONCILIATION - HOW MUCH -A-EQUITY LOAN
    OU003_15B       ASSET RECONCILIATION - HOW MUCH-B-EQUITY LOAN
    OU004_15A       ASSET RECONCILIATION - MIN-A-EQUITY LOAN
    OU004_15B       ASSET RECONCILIATION - MIN-B-EQUITY LOAN
    OU005_15A       ASSET RECONCILIATION - MAX-A -EQUITY LOAN
    OU005_15B       ASSET RECONCILIATION - MAX-B -EQUITY LOAN
    OU006_15A       ASSET RECONCILIATION - RESULT-A-EQUITY LOAN
    OU006_15B       ASSET RECONCILIATION - RESULT-B-EQUITY LOAN
    OU022_15A       WHICH WAVE WRONG-A-EQUITY LOAN
    OU022_15B       WHICH WAVE WRONG-B-EQUITY LOAN
```

Net value of primary residence

Wave	Variable	Label	Type
1	H1ATOTH	H1ATOTH:W1 Net Value of House /prim res--Cross-wave	Cont
2	H2ATOTH	H2ATOTH:W2 Net Value of House /prim res--Cross-wave	Cont
3	H3ATOTH	H3ATOTH:W3 Net Value of House /prim res--Cross-wave	Cont
4	H4ATOTH	H4ATOTH:W4 Net Value of House /prim res--Cross-wave	Cont
5	H5ATOTH	H5ATOTH:W5 Net Value of House /prim res--Cross-wave	Cont
6	H6ATOTH	H6ATOTH:W6 Net Value of House /prim res--Cross-wave	Cont
7	H7ATOTH	H7ATOTH:W7 Net Value of House /prim res--Cross-wave	Cont
8	H8ATOTH	H8ATOTH:W8 Net Value of House /prim res--Cross-wave	Cont
9	H9ATOTH	H9ATOTH:W9 Net Value of House /prim res--Cross-wave	Cont
10	H10ATOTH	H10ATOTH:W10 Net Value of House /prim res--Cross-wave	Cont
11	H11ATOTH	H11ATOTH:W11 Net Value of House /prim res--Cross-wave	Cont
12	H12ATOTH	H12ATOTH:W12 Net Value of House /prim res--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTH	12652	62024.51	91316.86	-3350000.0	1000000.0
H2ATOTH	19642	68819.52	126896.78	-5040000.0	5000000.0
H3ATOTH	17991	73789.72	123815.73	-550000.0	5344724.2
H4ATOTH	21384	81130.20	243234.23	-740000.0	19900000.0
H5ATOTH	19579	92582.75	239757.39	-670000.0	14000000.0
H6ATOTH	18165	106555.81	173087.97	-692753.5	9985000.0
H7ATOTH	20129	129581.63	331392.03	-939000.0	24000000.0
H8ATOTH	18469	157567.81	244987.33	-1090779.8	5500000.0
H9ATOTH	17217	159539.19	424696.32	-850000.0	24400000.0
H10ATOTH	22034	118299.04	231226.41	-2750000.0	10000000.0
H11ATOTH	20554	113508.73	210396.20	-1038958.7	9411437.0
H12ATOTH	18748	123523.90	214394.71	-3860000.0	5000000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The net value of housing is calculated as the value of the primary residence less mortgages and home loans:

HwAHOUS - HwAMORT - HwAHMLN

Value of secondary residence

Wave	Variable	Label	Type
1	H1AHOUB	H1AHOUB:W1 Assets:2nd Home--Cross-wave	Cont
2	H2AHOUB	H2AHOUB:W2 Assets:2nd Home--Cross-wave	Cont
4	H4AHOUB	H4AHOUB:W4 Assets:2nd Home--Cross-wave	Cont
5	H5AHOUB	H5AHOUB:W5 Assets:2nd Home--Cross-wave	Cont
6	H6AHOUB	H6AHOUB:W6 Assets:2nd Home--Cross-wave	Cont
7	H7AHOUB	H7AHOUB:W7 Assets:2nd Home--Cross-wave	Cont
8	H8AHOUB	H8AHOUB:W8 Assets:2nd Home--Cross-wave	Cont
9	H9AHOUB	H9AHOUB:W9 Assets:2nd Home--Cross-wave	Cont
10	H10AHOUB	H10AHOUB:W10 Assets:2nd Home--Cross-wave	Cont
11	H11AHOUB	H11AHOUB:W11 Assets:2nd Home--Cross-wave	Cont
12	H12AHOUB	H12AHOUB:W12 Assets:2nd Home--Cross-wave	Cont
1	H1AFHOUB	H1AFHOUB:W1 Assets Flag:2nd Home--Cross-wave	Categ
2	H2AFHOUB	H2AFHOUB:W2 Assets Flag:2nd Home--Cross-wave	Categ
4	H4AFHOUB	H4AFHOUB:W4 Assets Flag:2nd Home--Cross-wave	Categ
5	H5AFHOUB	H5AFHOUB:W5 Assets Flag:2nd Home--Cross-wave	Categ
6	H6AFHOUB	H6AFHOUB:W6 Assets Flag:2nd Home--Cross-wave	Categ
7	H7AFHOUB	H7AFHOUB:W7 Assets Flag:2nd Home--Cross-wave	Categ
8	H8AFHOUB	H8AFHOUB:W8 Assets Flag:2nd Home--Cross-wave	Categ
9	H9AFHOUB	H9AFHOUB:W9 Assets Flag:2nd Home--Cross-wave	Categ
10	H10AFHOUB	H10AFHOUB:W10 Assets Flag:2nd Home--Cross-wave	Categ
11	H11AFHOUB	H11AFHOUB:W11 Assets Flag:2nd Home--Cross-wave	Categ
12	H12AFHOUB	H12AFHOUB:W12 Assets Flag:2nd Home--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUB	12652	13877.86	86279.36	0.0	5000000.0
H2AHOUB	11420	10896.81	49804.69	0.0	2000000.0
H4AHOUB	21384	12072.18	58794.09	0.0	2000000.0
H5AHOUB	19579	13731.52	65736.12	0.0	1900000.0
H6AHOUB	18165	17583.48	92772.82	0.0	4395757.1
H7AHOUB	20129	22128.07	149355.99	0.0	10000000.0
H8AHOUB	18469	27016.54	157731.02	0.0	7967000.5
H9AHOUB	17217	30236.81	263670.81	0.0	21070631.3
H10AHOUB	22034	23370.00	131609.28	0.0	5525000.0
H11AHOUB	20554	23480.39	121852.04	0.0	4738157.0
H12AHOUB	18748	30563.00	532247.67	0.0	65000000.0
H1AFHOUB	12652	5.36	1.72	1.0	9.0
H2AFHOUB	11420	5.40	1.69	1.0	9.0
H4AFHOUB	21384	5.46	1.60	1.0	9.0
H5AFHOUB	19579	5.47	1.57	1.0	9.0
H6AFHOUB	18165	5.45	1.58	1.0	9.0
H7AFHOUB	20129	5.39	1.64	1.0	9.0
H8AFHOUB	18469	5.36	1.65	1.0	9.0
H9AFHOUB	17217	5.33	1.70	1.0	9.0
H10AFHOUB	22034	5.38	1.70	1.0	9.0
H11AFHOUB	20554	5.35	1.70	1.0	9.0
H12AFHOUB	18748	5.36	1.71	1.0	9.0

Categorical Variable Codes

Value	H1AFHOUB	H2AFHOUB	H4AFHOUB	H5AFHOUB	H6AFHOUB	H7AFHOUB
.Q=Not asked this wv		8222				
1.Continuous value	1656	1344	2213	1956	1870	2189
2.Complete bracket		118	222	227	194	349
3.Incomplete bracket		22	6	38	12	24
4.Range card bracket	26					
5.No value/bracket	114	25	48	67	87	181
6.No asset	10734	9769	18667	17094	15740	17215
7.DK ownership	27	18	58	75	223	110
9.No Fin resp	95	124	170	122	39	61

Value	H8AFHOUB	H9AFHOUB	H10AFHOUB	H11AFHOUB	H12AFHOUB
1.Continuous value	2076	2083	2561	2418	2242
2.Complete bracket	318	281	349	356	288
3.Incomplete bracket	33	36	55	45	34
5.No value/bracket	166	136	185	168	135
6.No asset	15787	14552	18226	17346	15817
7.DK ownership	41	66	505	80	65
9.No Fin resp	48	63	153	141	167

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed value of the Respondent's secondary residence is assigned to HwAHOUB. The HwAFHOUB variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

From Wave 4 forward to determine ownership of a secondary residence, we look at responses to questions about whether the person is in a nursing home and if so, whether they own a home outside of the nursing home. In Waves 5-10, we found a discrepancy between what was reported on these questions and what was listed on the Tracker file, that is - some individuals said that they were in a nursing home (and did not own a home outside of the nursing home), but the Tracker file said they were not in a nursing home. We considered the information from Tracker to be the most accurate.[See Appendix A for a description of how many cases were affected by this change.]

Due to problems with the way information about second residences was collected in Waves 2A and 3, we do not provide these variables for these waves.

Users should note the following outliers:

1. HHIDPN: 47514010 was imputed to have a value of more than $21,000,000 for H9AHOUB. Their spouse (HHIDPN: 47514020) will, therefore, also have this value recorded for H9AHOUB.

2. HHIDPN: 529220010 reported having a second home (OH166) worth $65,000,000 in Wave 12. They also reported having a loan on this second home (OH171) of $3,200,000. Therefore, the net value of their second home is $61,800,000.

Cross Wave Differences in Original HRS Data

The value of the secondary residence is asked at each wave, though in some waves it is problematic. Questions reveal whether the Respondent owns his/her secondary residence and if so, the value of it.

In Wave 1, the questions about second home ask:

1a). "Do you (or your husband/or your wife/or your partner/...) own a second home or condo?" [NOTE: Time-share weeks should be included.]

1b). "Could you tell me the present value of (your part of) that property – I mean, about how much would it bring if it were sold today?"

In Wave 2A, ownership of a secondary residence is asked about within the context of real estate investments, which presents problems not only for determining ownership, but consequently the value of a second residence.

In Wave 3, there was a skip pattern error, such that certain households with second homes were not asked the subsequent questions pertaining to these types of residences. Specifically, anyone who reported not living in their second home for at least two months during the year would not have been asked further questions about their second residence.

In Wave 2H and from Wave 4 forward, the questions are consistent and the wordings are also the same:

1a). "Not including investment property, do you (or your husband/or your wife/or your partner/...) own a second home or condo?"

1b). "What is its present value? (What is the present value of your part of it?) I mean, about what would it bring if it were sold today?"

From Wave 2 forward, if the Respondent refuses or doesn't know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

```
HRS 1992:
    V10816          D39:91-R1-OWN2NDHOME:IND
    V10824          D44:CURR_PROP_PRT_VA:IND
    V816            D39:OWN 2ND HOME/CON:IMP
    V824            D44:CURR VALUE:$    :IMP
HRS 1994:
    W10710          D81. Imputation indicato
    W10718          D87. Imputation indicato
    W710            D81.OWN SECOND HOME/COND
    W717            D86.PURCHASE PRICE OF SE
    W719            D87a-D87d. Brackets
HRS 1998:
    F2914           F40.OWN 2ND HOME
    F2950           F46F.$ VALUE 2ND HOME
    F2951           F46G.F46F DK.1-2
    F2952           F46H.F46F DK.2-2
    F2953           F46J.F46F DK.3-2
    F2954           F46K.F46F DK.4-2
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    F517            CS11.R IN NURSING HOME
    F721            CS26.NURHM: STILL OWN/RENT HOME
HRS 2000:
    G3232           F40.OWN 2ND HOME
    G3268           F46F.$ VALUE 2ND HOME
    G3269           F46G.F46F DK 1-2
    G3270           F46H.F46F DK 2-2
    G3271           F46J.F46F DK 3-2
    G3272           F46K.F46F DK 4-2
    G558            CS11.R IN NURSING HOME
    G794            CS26.NURHM: STILL OWN/RENT HOME
HRS 2002:
    HA028           R IN NURSING HOME
    HA070           NH: STILL OWN/RENT HOME
    HH151           OWN SECOND HOME
    HH166           DOLLAR VALUE SECOND HOME
    HH167           DOLLAR VALUE SECOND HOME - MINIMUM
    HH168           DOLLAR VALUE SECOND HOME - MAXIMUM
    HH169           DOLLAR VALUE SECOND HOME - RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JA028           R IN NURSING HOME
    JA070           NH: STILL OWN/RENT HOME
    JH151           OWN SECOND HOME
    JH166           DOLLAR VALUE SECOND HOME
    JH167           DOLLAR VALUE SECOND HOME - MINIMUM
    JH168           DOLLAR VALUE SECOND HOME - MAXIMUM
    JH169           DOLLAR VALUE SECOND HOME - RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
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    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KA028           R IN NURSING HOME
    KA070           NH: STILL OWN/RENT HOME
    KH151           OWN SECOND HOME
    KH166           DOLLAR VALUE SECOND HOME
    KH167           DOLLAR VALUE SECOND HOME - MINIMUM
    KH168           DOLLAR VALUE SECOND HOME - MAXIMUM
    KH169           DOLLAR VALUE SECOND HOME - RESULT
    KU001_17        ASSET RECONCILIATION-HOME2
    KU002_17        ASSET RECON WHICH WRONG-HOME2
    KU003_17A       ASSET RECON HOW MUCH -A-HOME2
    KU003_17B       ASSET RECON HOW MUCH-B-HOME2
    KU004_17A       ASSET RECON -MIN-A-HOME2
    KU004_17B       ASSET RECON -MIN-B-HOME2
    KU005_17A       ASSET RECON -MAX-A -HOME2
    KU005_17B       ASSET RECON -MAX-B -HOME2
    KU006_17A       ASSET RECON - RESULT-A-HOME2
    KU006_17B       ASSET RECON - RESULT-B-HOME2
    KU022_17A       WHICH WAVE WRONG-A-HOME2
    KU022_17B       WHICH WAVE WRONG-B-HOME2
HRS 2008:
    LA028           R IN NURSING HOME
    LA070           NH: STILL OWN/RENT HOME
    LH151           OWN SECOND HOME
    LH166           DOLLAR VALUE SECOND HOME
    LH167           DOLLAR VALUE SECOND HOME - MINIMUM
    LH168           DOLLAR VALUE SECOND HOME - MAXIMUM
    LH169           DOLLAR VALUE SECOND HOME - RESULT
    LU001_17        ASSET RECONCILIATION-HOME2
    LU002_17        ASSET RECONCILIATION  WHICH WRONG-HOME2
    LU003_17A       ASSET RECONCILIATION HOW MUCH -A-HOME2
    LU003_17B       ASSET RECONCILIATION HOW MUCH-B-HOME2
    LU004_17A       ASSET RECON -MIN-A-HOME2
    LU004_17B       ASSET RECON -MIN-B-HOME2
    LU005_17A       ASSET RECON -MAX-A -HOME2
    LU005_17B       ASSET RECON -MAX-B -HOME2
    LU006_17A       ASSET RECON - RESULT-A-HOME2
    LU006_17B       ASSET RECON - RESULT-B-HOME2
    LU022_17A       WHICH WAVE WRONG-A-HOME2
    LU022_17B       WHICH WAVE WRONG-B-HOME2
HRS 2010:
    MA028           R IN NURSING HOME
    MA070           NH: STILL OWN/RENT HOME
    MH151           OWN SECOND HOME
    MH166           DOLLAR VALUE SECOND HOME
    MH167           DOLLAR VALUE SECOND HOME - MINIMUM
    MH168           DOLLAR VALUE SECOND HOME - MAXIMUM
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    MH169           DOLLAR VALUE SECOND HOME - RESULT
    MU001_17        ASSET RECONCILIATION - HOME2
    MU002_17        ASSET RECONCILIATION - WHICH WRONG-HOME2
    MU003_17A       ASSET RECONCILIATION - HOW MUCH -A-HOME2
    MU003_17B       ASSET RECONCILIATION - HOW MUCH-B-HOME2
    MU004_17A       ASSET RECONCILIATION - MIN-A-HOME2
    MU004_17B       ASSET RECONCILIATION - MIN-B-HOME2
    MU005_17A       ASSET RECONCILIATION - MAX-A -HOME2
    MU005_17B       ASSET RECONCILIATION - MAX-B -HOME2
    MU006_17A       ASSET RECONCILIATION - RESULT-A-HOME2
    MU006_17B       ASSET RECONCILIATION - RESULT-B-HOME2
    MU022_17A       WHICH WAVE WRONG-A-HOME2
    MU022_17B       WHICH WAVE WRONG-B-HOME2
HRS 2012:
    NA028           R IN NURSING HOME
    NA070           NH: STILL OWN/RENT HOME
    NH151           OWN SECOND HOME
    NH166           DOLLAR VALUE SECOND HOME
    NH167           DOLLAR VALUE SECOND HOME - MINIMUM
    NH168           DOLLAR VALUE SECOND HOME - MAXIMUM
    NH169           DOLLAR VALUE SECOND HOME - RESULT
    NU001_17        ASSET RECONCILIATION - HOME2
    NU002_17        ASSET RECONCILIATION - WHICH WRONG-HOME2
    NU003_17A       ASSET RECONCILIATION - HOW MUCH -A-HOME2
    NU003_17B       ASSET RECONCILIATION - HOW MUCH-B-HOME2
    NU004_17A       ASSET RECONCILIATION - MIN-A-HOME2
    NU004_17B       ASSET RECONCILIATION - MIN-B-HOME2
    NU005_17A       ASSET RECONCILIATION - MAX-A -HOME2
    NU005_17B       ASSET RECONCILIATION - MAX-B -HOME2
    NU006_17A       ASSET RECONCILIATION - RESULT-A-HOME2
    NU006_17B       ASSET RECONCILIATION - RESULT-B-HOME2
    NU022_17A       WHICH WAVE WRONG-A-HOME2
    NU022_17B       WHICH WAVE WRONG-B-HOME2
HRS 2014:
    OA028           R IN NURSING HOME
    OA070           NH: STILL OWN/RENT HOME
    OH151           OWN SECOND HOME
    OH166           DOLLAR VALUE SECOND HOME
    OH167           DOLLAR VALUE SECOND HOME - MINIMUM
    OH168           DOLLAR VALUE SECOND HOME - MAXIMUM
    OH169           DOLLAR VALUE SECOND HOME - RESULT
    OU001_17        ASSET RECONCILIATION - HOME2
    OU002_17        ASSET RECONCILIATION - WHICH WRONG-HOME2
    OU003_17A       ASSET RECONCILIATION - HOW MUCH -A-HOME2
    OU003_17B       ASSET RECONCILIATION - HOW MUCH-B-HOME2
    OU004_17A       ASSET RECONCILIATION - MIN-A-HOME2
    OU004_17B       ASSET RECONCILIATION - MIN-B-HOME2
    OU005_17A       ASSET RECONCILIATION - MAX-A -HOME2
    OU005_17B       ASSET RECONCILIATION - MAX-B -HOME2
    OU006_17A       ASSET RECONCILIATION - RESULT-A-HOME2
    OU006_17B       ASSET RECONCILIATION - RESULT-B-HOME2
    OU022_17A       WHICH WAVE WRONG-A-HOME2
    OU022_17B       WHICH WAVE WRONG-B-HOME2
Tracker:
    GNURSHM         2000 NURSING HOME STATUS
    HNURSHM         2002 NURSING HOME STATUS
    JNURSHM         2004 NURSING HOME STATUS
    KNURSHM         2006 NURSING HOME STATUS
    LNURSHM         2008 NURSING HOME STATUS
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MNURSHM         2010 NURSING HOME STATUS
NNURSHM         2012 NURSING HOME STATUS
ONURSHM         2014 NURSING HOME STATUS
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Value of all mortgages/land contracts (secondary residence)

Wave	Variable	Label	Type
1	H1AMRTB	H1AMRTB:W1 Assets:2nd Home Mtg--Cross-wave	Cont
2	H2AMRTB	H2AMRTB:W2 Assets:2nd Home Mtg--Cross-wave	Cont
4	H4AMRTB	H4AMRTB:W4 Assets:2nd Home Mtg--Cross-wave	Cont
5	H5AMRTB	H5AMRTB:W5 Assets:2nd Home Mtg--Cross-wave	Cont
6	H6AMRTB	H6AMRTB:W6 Assets:2nd Home Mtg--Cross-wave	Cont
7	H7AMRTB	H7AMRTB:W7 Assets:2nd Home Mtg--Cross-wave	Cont
8	H8AMRTB	H8AMRTB:W8 Assets:2nd Home Mtg--Cross-wave	Cont
9	H9AMRTB	H9AMRTB:W9 Assets:2nd Home Mtg--Cross-wave	Cont
10	H10AMRTB	H10AMRTB:W10 Assets:2nd Home Mtg--Cross-wave	Cont
11	H11AMRTB	H11AMRTB:W11 Assets:2nd Home Mtg--Cross-wave	Cont
12	H12AMRTB	H12AMRTB:W12 Assets:2nd Home Mtg--Cross-wave	Cont
1	H1AFMRTB	H1AFMRTB:W1 Assets Flag:2nd Home Mtg--Cross-wave	Categ
2	H2AFMRTB	H2AFMRTB:W2 Assets Flag:2nd Home Mtg--Cross-wave	Categ
4	H4AFMRTB	H4AFMRTB:W4 Assets Flag:2nd Home Mtg--Cross-wave	Categ
5	H5AFMRTB	H5AFMRTB:W5 Assets Flag:2nd Home Mtg--Cross-wave	Categ
6	H6AFMRTB	H6AFMRTB:W6 Assets Flag:2nd Home Mtg--Cross-wave	Categ
7	H7AFMRTB	H7AFMRTB:W7 Assets Flag:2nd Home Mtg--Cross-wave	Categ
8	H8AFMRTB	H8AFMRTB:W8 Assets Flag:2nd Home Mtg--Cross-wave	Categ
9	H9AFMRTB	H9AFMRTB:W9 Assets Flag:2nd Home Mtg--Cross-wave	Categ
10	H10AFMRTB	H10AFMRTB:W10 Assets Flag:2nd Home Mtg--Cross-wave	Categ
11	H11AFMRTB	H11AFMRTB:W11 Assets Flag:2nd Home Mtg--Cross-wave	Categ
12	H12AFMRTB	H12AFMRTB:W12 Assets Flag:2nd Home Mtg--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMRTB	12652	2381.94	14176.53	0.0	325000.0
H2AMRTB	11420	2130.58	14264.69	0.0	460000.0
H4AMRTB	21384	1655.32	15451.97	0.0	520000.0
H5AMRTB	19579	1696.46	18517.92	0.0	1100000.0
H6AMRTB	18165	1632.21	15604.70	0.0	510000.0
H7AMRTB	20129	2230.15	22662.49	0.0	700000.0
H8AMRTB	18469	2457.01	22653.90	0.0	815000.0
H9AMRTB	17217	3054.60	28011.49	0.0	1432254.4
H10AMRTB	22034	3143.59	27539.02	0.0	1000000.0
H11AMRTB	20554	3092.51	24910.62	0.0	630000.0
H12AMRTB	18748	3352.99	34589.06	0.0	3200000.0
H1AFMRTB	12652	5.74	1.19	1.0	9.0
H2AFMRTB	11420	5.81	1.08	1.0	9.0
H4AFMRTB	21384	5.89	0.85	1.0	9.0
H5AFMRTB	19579	5.90	0.82	1.0	9.0
H6AFMRTB	18165	5.91	0.75	1.0	9.0
H7AFMRTB	20129	5.91	0.75	1.0	9.0
H8AFMRTB	18469	5.90	0.76	1.0	9.0
H9AFMRTB	17217	5.90	0.79	1.0	9.0
H10AFMRTB	22034	5.92	0.84	1.0	9.0
H11AFMRTB	20554	5.90	0.84	1.0	9.0
H12AFMRTB	18748	5.90	0.84	1.0	9.0

Categorical Variable Codes

Value	H1AFMRTB	H2AFMRTB	H4AFMRTB	H5AFMRTB	H6AFMRTB	H7AFMRTB
.Q=Not asked this wv		8222				
1.Continuous value	718	473	541	464	368	403
2.Complete bracket		44	24	28	41	40
3.Incomplete bracket		6	2	3	2	2
4.Range card bracket	14					
5.No value/bracket	51	9	16	23	19	26
6.No asset	11736	10734	20566	18852	17449	19456
7.DK ownership	38	30	65	87	246	141
9.No Fin resp	95	124	170	122	40	61

Value	H8AFMRTB	H9AFMRTB	H10AFMRTB	H11AFMRTB	H12AFMRTB
1.Continuous value	395	391	530	517	466
2.Complete bracket	34	25	28	17	18
3.Incomplete bracket	5	2	7	7	
5.No value/bracket	12	16	10	16	5
6.No asset	17899	16606	20748	19725	17984
7.DK ownership	76	114	558	131	108
9.No Fin resp	48	63	153	141	167

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The reported or imputed value of all mortgages is assigned to HwAMRTB. The HwAFMRTB variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Due to problems with the way information about second residences was collected in Wave 2A and in Wave 3, we do not provide these variables for these waves.

Users should note the following outliers:

1. HHIDPN: 529220010 reported having a second home (OH166) worth $65,000,000 in Wave 12. They also reported having a loan on this second home (OH171) of $3,200,000. Therefore, the net value of their second home is $61,800,000.

Cross Wave Differences in Original HRS Data

The value of a second home mortgage is asked at each wave, with the exception of Wave 2A. The manner in which the questions are asked varies across waves.

In Waves 1 and 2H, the questions about second home mortgage ask:

a). "Do you owe any money on this property?"

b). "About how much do you owe?"

In Wave 2A, ownership of a secondary residence is asked about within the context of real estate investments, which presents problems not only for determining ownership, but consequently the values of any mortgages.

In Wave 3, there was a skip pattern error, such that certain households with second homes were not asked the subsequent questions pertaining to these types of residences. Specifically, anyone who reported not living in their second home for at least two months during the year would not have been asked further questions about their second residence.

Beginning in Wave 4, the questions are consistent. They are also similar to those in Wave 3 with the only difference being that all branch to one value question:

a). "(Taking all mortgages and loans together,) about how much do you owe on your second home?"

From Wave 2H forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

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HRS 1992:
    V10825          D45:OWE_MONEY_ON_PRO:IND
    V10826          D45A:AMT_OWE_ON_PROP:IND
    V825            D45:OWE MONEY ON PRO:IMP
    V826            D45A:AMT $ OWE ON PR:IMP
HRS 1994:
    W10720          D88. Imputation indicato
    W10721          D88a. Imputation indicat
    W720            D88.OWE MONEY ON SECOND
    W721            D88a.AMOUNT OWED ON SECO
    W722            D88a1-D88a3. Brackets
HRS 1998:
    F2955M1         F47.HOME MORTGAGE-2ND
    F2955M2         F47.HOME MORTGAGE-2ND
    F2957           F47A.TOTAL $ OWED ALL MORTGAGES/LOANS-2N
    F2963           F47E.F47D DK.1-2ND
    F2964           F47F.  F47D DK.2-2ND
    F2965           F47G.  F47D DK.2-2ND
HRS 2000:
    G3273M1         F47.HOME MORTGAGE-2ND
    G3273M2         F47.HOME MORTGAGE-2ND
    G3275           F47A.TOTAL OWE MRTGG/LOAN-2ND HOME
    G3281           F47E.F47D DK 1-2ND
    G3282           F47F.F47D DK 2-2ND
    G3283           F47G.F47D DK 2-2ND
HRS 2002:
    HH170M1         HOME MORTGAGE - SECOND
    HH170M2         HOME MORTGAGE - SECOND
    HH170M3         HOME MORTGAGE - SECOND
    HH171           TOTAL OWE MORTGAGE/LOAN - SECOND HOME
    HH172           TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
    HH173           TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
    HH174           TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
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    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
    TYPASST         TYPE OF ASSETS
HRS 2004:
    JH170M1         HOME MORTGAGE - SECOND-1
    JH170M2         HOME MORTGAGE - SECOND-2
    JH170M3         HOME MORTGAGE - SECOND-3
    JH171           TOTAL OWE MORTGAGE/LOAN - SECOND HOME
    JH172           TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
    JH173           TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
    JH174           TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KH170M1         HOME MORTGAGE - SECOND-1
    KH170M2         HOME MORTGAGE - SECOND-2
    KH170M3         HOME MORTGAGE - SECOND-3
    KH171           TOTAL OWE MORTGAGE/LOAN - SECOND HOME
    KH172           TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
    KH173           TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
    KH174           TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
    KU001_18        ASSET RECON-HOME2 MORT
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    KU002_18        ASSET RECON WHICH WRONG-HOME2 MORT
    KU003_18A       ASSET RECON HOW MUCH -A-HOME2 MORT
    KU003_18B       ASSET RECON HOW MUCH-B-HOME2 MORT
    KU004_18A       ASSET RECON -MIN-A-HOME2 MORT
    KU004_18B       ASSET RECON -MIN-B-HOME2 MORT
    KU005_18A       ASSET RECON -MAX-A -HOME2 MORT
    KU005_18B       ASSET RECON -MAX-B -HOME2 MORT
    KU006_18A       ASSET RECON - RES-A-HOME2 MORT
    KU006_18B       ASSET RECON - RES-B-HOME2 MORT
    KU022_18A       WHICH WAVE WRONG-A-HOME2 MORT
    KU022_18B       WHICH WAVE WRONG-B-HOME2 MORT
HRS 2008:
    LH170M1         HOME MORTGAGE - SECOND-1
    LH170M2         HOME MORTGAGE - SECOND-2
    LH170M3         HOME MORTGAGE - SECOND-3
    LH171           TOTAL OWE MORTGAGE/LOAN - SECOND HOME
    LH172           TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
    LH173           TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
    LH174           TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
    LU001_18        ASSET RECONCILIATION-HOME2 MORT
    LU002_18        ASSET RECONCILIATION  WHICH WRONG-HOME2 MORT
    LU003_18A       ASSET RECONCILIATION HOW MUCH -A-HOME2 MORT
    LU003_18B       ASSET RECONCILIATION HOW MUCH-B-HOME2 MORT
    LU004_18A       ASSET RECON -MIN-A-HOME2 MORT
    LU004_18B       ASSET RECON -MIN-B-HOME2 MORT
    LU005_18A       ASSET RECON -MAX-A -HOME2 MORT
    LU005_18B       ASSET RECON -MAX-B -HOME2 MORT
    LU006_18A       ASSET RECON - RES-A-HOME2 MORT
    LU006_18B       ASSET RECON - RES-B-HOME2 MORT
    LU022_18A       WHICH WAVE WRONG-A-HOME2 MORT
    LU022_18B       WHICH WAVE WRONG-B-HOME2 MORT
HRS 2010:
    MH170M1         HOME MORTGAGE - SECOND-1
    MH170M2         HOME MORTGAGE - SECOND-2
    MH170M3         HOME MORTGAGE - SECOND-3
    MH171           TOTAL OWE MORTGAGE/LOAN - SECOND HOME
    MH172           TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
    MH173           TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
    MH174           TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
    MU001_18        ASSET RECONCILIATION - HOME2 MORT
    MU002_18        ASSET RECONCILIATION - WHICH WRONG-HOME2 MORT
    MU003_18A       ASSET RECONCILIATION - HOW MUCH -A-HOME2 MORT
    MU003_18B       ASSET RECONCILIATION - HOW MUCH-B-HOME2 MORT
    MU004_18A       ASSET RECONCILIATION - MIN-A-HOME2 MORT
    MU004_18B       ASSET RECONCILIATION - MIN-B-HOME2 MORT
    MU005_18A       ASSET RECONCILIATION - MAX-A -HOME2 MORT
    MU005_18B       ASSET RECONCILIATION - MAX-B -HOME2 MORT
    MU006_18A       ASSET RECONCILIATION - RES-A-HOME2 MORT
    MU006_18B       ASSET RECONCILIATION - RES-B-HOME2 MORT
    MU022_18A       WHICH WAVE WRONG-A-HOME2 MORT
    MU022_18B       WHICH WAVE WRONG-B-HOME2 MORT
HRS 2012:
    NH170M1         HOME MORTGAGE - SECOND-1
    NH170M2         HOME MORTGAGE - SECOND-2
    NH170M3         HOME MORTGAGE - SECOND-3
    NH171           TOTAL OWE MORTGAGE/LOAN - SECOND HOME
    NH172           TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
    NH173           TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
    NH174           TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
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    NU001_18        ASSET RECONCILIATION - HOME2 MORT
    NU002_18        ASSET RECONCILIATION - WHICH WRONG-HOME2 MORT
    NU003_18A       ASSET RECONCILIATION - HOW MUCH -A-HOME2 MORT
    NU003_18B       ASSET RECONCILIATION - HOW MUCH-B-HOME2 MORT
    NU004_18A       ASSET RECONCILIATION - MIN-A-HOME2 MORT
    NU004_18B       ASSET RECONCILIATION - MIN-B-HOME2 MORT
    NU005_18A       ASSET RECONCILIATION - MAX-A -HOME2 MORT
    NU005_18B       ASSET RECONCILIATION - MAX-B -HOME2 MORT
    NU006_18A       ASSET RECONCILIATION - RES-A-HOME2 MORT
    NU006_18B       ASSET RECONCILIATION - RES-B-HOME2 MORT
    NU022_18A       WHICH WAVE WRONG-A-HOME2 MORT
    NU022_18B       WHICH WAVE WRONG-B-HOME2 MORT
HRS 2014:
    OH170M1         HOME MORTGAGE - SECOND-1
    OH170M2         HOME MORTGAGE - SECOND-2
    OH170M3         HOME MORTGAGE - SECOND-3
    OH171           TOTAL OWE MORTGAGE/LOAN - SECOND HOME
    OH172           TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
    OH173           TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
    OH174           TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
    OU001_18        ASSET RECONCILIATION - HOME2 MORT
    OU002_18        ASSET RECONCILIATION - WHICH WRONG-HOME2 MORT
    OU003_18A       ASSET RECONCILIATION - HOW MUCH -A-HOME2 MORT
    OU003_18B       ASSET RECONCILIATION - HOW MUCH-B-HOME2 MORT
    OU004_18A       ASSET RECONCILIATION - MIN-A-HOME2 MORT
    OU004_18B       ASSET RECONCILIATION - MIN-B-HOME2 MORT
    OU005_18A       ASSET RECONCILIATION - MAX-A -HOME2 MORT
    OU005_18B       ASSET RECONCILIATION - MAX-B -HOME2 MORT
    OU006_18A       ASSET RECONCILIATION - RES-A-HOME2 MORT
    OU006_18B       ASSET RECONCILIATION - RES-B-HOME2 MORT
    OU022_18A       WHICH WAVE WRONG-A-HOME2 MORT
    OU022_18B       WHICH WAVE WRONG-B-HOME2 MORT
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Net value of secondary residence

Wave	Variable	Label	Type
1	H1ANETHB	H1ANETHB:W1 Net Value of 2nd Home--Cross-wave	Cont
2	H2ANETHB	H2ANETHB:W2 Net Value of 2nd Home--Cross-wave	Cont
4	H4ANETHB	H4ANETHB:W4 Net Value of 2nd Home--Cross-wave	Cont
5	H5ANETHB	H5ANETHB:W5 Net Value of 2nd Home--Cross-wave	Cont
6	H6ANETHB	H6ANETHB:W6 Net Value of 2nd Home--Cross-wave	Cont
7	H7ANETHB	H7ANETHB:W7 Net Value of 2nd Home--Cross-wave	Cont
8	H8ANETHB	H8ANETHB:W8 Net Value of 2nd Home--Cross-wave	Cont
9	H9ANETHB	H9ANETHB:W9 Net Value of 2nd Home--Cross-wave	Cont
10	H10ANETHB	H10ANETHB:W10 Net Value of 2nd Home--Cross-wave	Cont
11	H11ANETHB	H11ANETHB:W11 Net Value of 2nd Home--Cross-wave	Cont
12	H12ANETHB	H12ANETHB:W12 Net Value of 2nd Home--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ANETHB	12652	11495.91	82654.18	-140000.0	5000000.0
H2ANETHB	11420	8766.24	44584.78	-92000.0	1870000.0
H4ANETHB	21384	10416.86	51985.68	-395000.0	1725000.0
H5ANETHB	19579	12035.06	58044.37	-45000.0	1500000.0
H6ANETHB	18165	15951.26	88834.47	-142840.0	4395757.1
H7ANETHB	20129	19897.92	143109.06	-150000.0	10000000.0
H8ANETHB	18469	24559.53	150763.42	-147000.0	7967000.5
H9ANETHB	17217	27182.20	259269.19	-1012254.4	21070631.3
H10ANETHB	22034	20226.41	123896.10	-186294.2	5525000.0
H11ANETHB	20554	20387.88	113724.00	-550134.9	4552444.8
H12ANETHB	18748	27210.01	509405.30	-125000.0	61800000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The net value of second home is calculated as house value less mortgages:

HwAHOUB - HwAMRTB

Due to problems with the way information about second residences was collected in Wave 2A and in Wave 3, we do not provide these variables for these waves.

Users should note the following outliers:

1. HHIDPN: 529220010 reported having a second home (OH166) worth $65,000,000 in Wave 12. They also reported having a loan on this second home (OH171) of $3,200,000. Therefore, the net value of their second home is $61,800,000.

Net value of non-housing financial wealth

Wave	Variable	Label	Type
1	H1ATOTF	H1ATOTF:W1 Non-Housing Financial Wealth--Cross-wave	Cont
2	H2ATOTF	H2ATOTF:W2 Non-Housing Financial Wealth--Cross-wave	Cont
3	H3ATOTF	H3ATOTF:W3 Non-Housing Financial Wealth--Cross-wave	Cont
4	H4ATOTF	H4ATOTF:W4 Non-Housing Financial Wealth--Cross-wave	Cont
5	H5ATOTF	H5ATOTF:W5 Non-Housing Financial Wealth--Cross-wave	Cont
6	H6ATOTF	H6ATOTF:W6 Non-Housing Financial Wealth--Cross-wave	Cont
7	H7ATOTF	H7ATOTF:W7 Non-Housing Financial Wealth--Cross-wave	Cont
8	H8ATOTF	H8ATOTF:W8 Non-Housing Financial Wealth--Cross-wave	Cont
9	H9ATOTF	H9ATOTF:W9 Non-Housing Financial Wealth--Cross-wave	Cont
10	H10ATOTF	H10ATOTF:W10 Non-Housing Financial Wealth--Cross-wave	Cont
11	H11ATOTF	H11ATOTF:W11 Non-Housing Financial Wealth--Cross-wave	Cont
12	H12ATOTF	H12ATOTF:W12 Non-Housing Financial Wealth--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTF	12652	45405.72	164387.37	-800000.0	7374656.2
H2ATOTF	19642	59732.87	213232.72	-390000.0	8400000.0
H3ATOTF	17991	91497.80	469385.22	-828925.5	40550000.0
H4ATOTF	21384	102094.45	486660.64	-3636749.0	30400000.0
H5ATOTF	19579	114450.56	447764.14	-485500.0	33500000.0
H6ATOTF	18165	115629.23	809482.57	-598000.0	90000200.0
H7ATOTF	20129	123155.47	558349.24	-2335500.0	28400000.0
H8ATOTF	18469	139580.56	653048.04	-2199892.0	30340000.0
H9ATOTF	17217	139939.04	516609.04	-1400000.0	20506478.1
H10ATOTF	22034	111590.02	510457.20	-1250000.0	31392294.5
H11ATOTF	20554	113178.42	566767.33	-1685000.0	42300000.0
H12ATOTF	18748	120308.63	456352.34	-1499500.0	12000000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The net value of non-housing financial wealth is calculated as the sum of the appropriate wealth components less debt:

Sum (HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - HwADEBT

Note: This total does NOT include the value of IRAs and Keogh plans, nor does it include the value of any real estate, vehicles, or businesses.

Total Wealth (Excluding Secondary Residence)

Wave	Variable	Label	Type
1	H1ATOTA	H1ATOTA:W1 Total of all Assets--Cross-wave	Cont
2	H2ATOTA	H2ATOTA:W2 Total of all Assets--Cross-wave	Cont
3	H3ATOTA	H3ATOTA:W3 Total of all Assets--Cross-wave	Cont
4	H4ATOTA	H4ATOTA:W4 Total of all Assets--Cross-wave	Cont
5	H5ATOTA	H5ATOTA:W5 Total of all Assets--Cross-wave	Cont
6	H6ATOTA	H6ATOTA:W6 Total of all Assets--Cross-wave	Cont
7	H7ATOTA	H7ATOTA:W7 Total of all Assets--Cross-wave	Cont
8	H8ATOTA	H8ATOTA:W8 Total of all Assets--Cross-wave	Cont
9	H9ATOTA	H9ATOTA:W9 Total of all Assets--Cross-wave	Cont
10	H10ATOTA	H10ATOTA:W10 Total of all Assets--Cross-wave	Cont
11	H11ATOTA	H11ATOTA:W11 Total of all Assets--Cross-wave	Cont
12	H12ATOTA	H12ATOTA:W12 Total of all Assets--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTA	12652	202343.75	442692.66	-720000.0	17906270.5
H2ATOTA	19642	215625.89	482998.46	-4383000.0	16652840.0
H3ATOTA	17991	267625.03	707605.54	-825425.5	41255000.0
H4ATOTA	21384	302927.95	1096896.99	-3636749.0	86210000.0
H5ATOTA	19579	342860.61	932078.98	-355000.0	53200200.0
H6ATOTA	18165	357846.81	1057850.26	-619753.5	90648200.0
H7ATOTA	20129	407764.76	1108264.98	-2245500.0	41475089.8
H8ATOTA	18469	484794.02	1262250.03	-2199392.0	43512000.0
H9ATOTA	17217	489176.06	1228452.06	-1064000.0	40660592.4
H10ATOTA	22034	379151.96	1002381.88	-2760000.0	49900000.0
H11ATOTA	20554	377677.64	979764.20	-1510000.0	43954357.5
H12ATOTA	18748	412524.86	1024870.50	-2751000.0	34727901.9

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The net value of total wealth (excluding second home) is calculated as the sum of all wealth components less all debt:

Sum (HwAHOUS, HwARLES, HwATRAN, HwABSNS, HwAIRA, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) less Sum (HwAMORT, HwAHMLN, HwADEBT)

Total Wealth (Including Secondary Residence)

Wave	Variable	Label	Type
1	H1ATOTB	H1ATOTB:W1 Total all Assets inc. 2nd Hm--Cross-wave	Cont
2	H2ATOTB	H2ATOTB:W2 Total all Assets inc. 2nd Hm--Cross-wave	Cont
4	H4ATOTB	H4ATOTB:W4 Total all Assets inc. 2nd Hm--Cross-wave	Cont
5	H5ATOTB	H5ATOTB:W5 Total all Assets inc. 2nd Hm--Cross-wave	Cont
6	H6ATOTB	H6ATOTB:W6 Total all Assets inc. 2nd Hm--Cross-wave	Cont
7	H7ATOTB	H7ATOTB:W7 Total all Assets inc. 2nd Hm--Cross-wave	Cont
8	H8ATOTB	H8ATOTB:W8 Total all Assets inc. 2nd Hm--Cross-wave	Cont
9	H9ATOTB	H9ATOTB:W9 Total all Assets inc. 2nd Hm--Cross-wave	Cont
10	H10ATOTB	H10ATOTB:W10 Total all Assets inc. 2nd Hm--Cross-wave	Cont
11	H11ATOTB	H11ATOTB:W11 Total all Assets inc. 2nd Hm--Cross-wave	Cont
12	H12ATOTB	H12ATOTB:W12 Total all Assets inc. 2nd Hm--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTB	12652	213839.67	463583.26	-720000.0	18256270.5
H2ATOTB	11420	251015.71	543611.64	-4383000.0	15230000.0
H4ATOTB	21384	313344.82	1109727.06	-3624527.0	86530000.0
H5ATOTB	19579	354895.67	949838.47	-355000.0	53800200.0
H6ATOTB	18165	373798.07	1081622.39	-619753.5	90708200.0
H7ATOTB	20129	427662.67	1150859.84	-2245500.0	41575089.8
H8ATOTB	18469	509353.54	1319046.54	-2199392.0	43512000.0
H9ATOTB	17217	516358.27	1294381.51	-1503570.8	41660592.4
H10ATOTB	22034	399378.36	1040185.65	-2760000.0	50900000.0
H11ATOTB	20554	398065.52	1020239.87	-1510000.0	43954357.5
H12ATOTB	18748	439734.87	1190703.25	-2729000.0	65425983.9

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The net value of total wealth (including second home) is calculated as the sum of all wealth components less all debt:

Sum (HwAHOUS, HwAHOUB, HwARLES, HwATRAN, HwABSNS, HwAIRA, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) less Sum (HwAMORT, HwAHMLN, HwADEBT, HwAMRTB).

In Wave 2, H2ATOTB is only calculated for 1994 because no questions are asked about a second home in 1993. Total wealth (including secondary residence) cannot be calculated in Wave 3 because no questions were asked about a second home in either 1995 or 1996.

Total Wealth (Excluding IRAs)

Wave	Variable	Label	Type
1	H1ATOTW	H1ATOTW:W1 Total Wealth less IRA--Cross-wave	Cont
2	H2ATOTW	H2ATOTW:W2 Total Wealth less IRA--Cross-wave	Cont
3	H3ATOTW	H3ATOTW:W3 Total Wealth less IRA--Cross-wave	Cont
4	H4ATOTW	H4ATOTW:W4 Total Wealth less IRA--Cross-wave	Cont
5	H5ATOTW	H5ATOTW:W5 Total Wealth less IRA--Cross-wave	Cont
6	H6ATOTW	H6ATOTW:W6 Total Wealth less IRA--Cross-wave	Cont
7	H7ATOTW	H7ATOTW:W7 Total Wealth less IRA--Cross-wave	Cont
8	H8ATOTW	H8ATOTW:W8 Total Wealth less IRA--Cross-wave	Cont
9	H9ATOTW	H9ATOTW:W9 Total Wealth less IRA--Cross-wave	Cont
10	H10ATOTW	H10ATOTW:W10 Total Wealth less IRA--Cross-wave	Cont
11	H11ATOTW	H11ATOTW:W11 Total Wealth less IRA--Cross-wave	Cont
12	H12ATOTW	H12ATOTW:W12 Total Wealth less IRA--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTW	12652	184765.52	426006.52	-770000.0	17906270.5
H2ATOTW	19642	196075.92	462259.06	-4383000.0	16652840.0
H3ATOTW	17991	240070.88	672678.60	-827425.5	41255000.0
H4ATOTW	21384	264278.95	1070841.45	-3636749.0	85960000.0
H5ATOTW	19579	290594.84	866573.11	-355000.0	50000200.0
H6ATOTW	18165	309762.97	1019686.36	-667753.5	90628200.0
H7ATOTW	20129	356239.45	1014991.53	-2313500.0	36425000.0
H8ATOTW	18469	417589.34	1095054.72	-2199392.0	31800000.0
H9ATOTW	17217	424359.43	1163932.83	-1064000.0	40660592.4
H10ATOTW	22034	323473.53	944139.73	-2760000.0	49200000.0
H11ATOTW	20554	317059.93	913819.07	-1680000.0	43954357.5
H12ATOTW	18748	338787.92	919365.52	-2751000.0	34448901.9

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The net value of total wealth less IRA is calculated as the sum of all wealth components except the value of IRAs and Keogh plans less all debt:

Sum (HwAHOUS, HwARLES, HwATRAN, HwABSNS, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) less Sum (HwAMORT, HwAHMLN, HwADEBT)

Total Non-housing Wealth

Wave	Variable	Label	Type
1	H1ATOTN	H1ATOTN:W1 Total Non-Housing Assets--Cross-wave	Cont
2	H2ATOTN	H2ATOTN:W2 Total Non-Housing Assets--Cross-wave	Cont
3	H3ATOTN	H3ATOTN:W3 Total Non-Housing Assets--Cross-wave	Cont
4	H4ATOTN	H4ATOTN:W4 Total Non-Housing Assets--Cross-wave	Cont
5	H5ATOTN	H5ATOTN:W5 Total Non-Housing Assets--Cross-wave	Cont
6	H6ATOTN	H6ATOTN:W6 Total Non-Housing Assets--Cross-wave	Cont
7	H7ATOTN	H7ATOTN:W7 Total Non-Housing Assets--Cross-wave	Cont
8	H8ATOTN	H8ATOTN:W8 Total Non-Housing Assets--Cross-wave	Cont
9	H9ATOTN	H9ATOTN:W9 Total Non-Housing Assets--Cross-wave	Cont
10	H10ATOTN	H10ATOTN:W10 Total Non-Housing Assets--Cross-wave	Cont
11	H11ATOTN	H11ATOTN:W11 Total Non-Housing Assets--Cross-wave	Cont
12	H12ATOTN	H12ATOTN:W12 Total Non-Housing Assets--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTN	12652	140319.25	409109.22	-735000.0	16956270.5
H2ATOTN	19642	146806.38	428972.91	-258281.3	14652840.0
H3ATOTN	17991	193835.31	655029.08	-825425.5	41105000.0
H4ATOTN	21384	221797.75	1035107.20	-3636749.0	85710000.0
H5ATOTN	19579	250277.86	799359.10	-390000.0	50200000.0
H6ATOTN	18165	251291.00	999251.87	-277000.0	90148200.0
H7ATOTN	20129	278183.13	965685.04	-2245500.0	35352000.0
H8ATOTN	18469	327226.21	1159216.91	-2199392.0	43162000.0
H9ATOTN	17217	329636.87	1026980.07	-1144000.0	40630592.4
H10ATOTN	22034	260852.91	886812.21	-943500.0	46900000.0
H11ATOTN	20554	264168.91	869668.57	-1510000.0	43300000.0
H12ATOTN	18748	289000.96	920205.02	-1454500.0	34277901.9

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

The net value of all non-housing wealth is calculated as the sum of the appropriate wealth components less debt:

Sum (HwARLES, HwATRAN, HwABSNS, HwAIRA, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) less HwADEBT

Note that the value of the primary residence, mortgages, and home loans are NOT included.

Change in wealth

Wave	Variable	Label	Type
2	H2ATOTAC	H2ATOTAC:W2 Change in Total Assets w/o 2nd home	Cont
3	H3ATOTAC	H3ATOTAC:W3 Change in Total Assets w/o 2nd home	Cont
4	H4ATOTAC	H4ATOTAC:W4 Change in Total Assets w/o 2nd home	Cont
5	H5ATOTAC	H5ATOTAC:W5 Change in Total Assets w/o 2nd home	Cont
6	H6ATOTAC	H6ATOTAC:W6 Change in Total Assets w/o 2nd home	Cont
7	H7ATOTAC	H7ATOTAC:W7 Change in Total Assets w/o 2nd home	Cont
8	H8ATOTAC	H8ATOTAC:W8 Change in Total Assets w/o 2nd home	Cont
9	H9ATOTAC	H9ATOTAC:W9 Change in Total Assets w/o 2nd home	Cont
10	H10ATOTAC	H10ATOTAC:W10 Change in Total Assets w/o 2nd home	Cont
11	H11ATOTAC	H11ATOTAC:W11 Change in Total Assets w/o 2nd home	Cont
12	H12ATOTAC	H12ATOTAC:W12 Change in Total Assets w/o 2nd home	Cont
2	H2ATOTBC	H2ATOTBC:W2 Change in Total Assets w/ 2nd home	Cont
5	H5ATOTBC	H5ATOTBC:W5 Change in Total Assets w/ 2nd home	Cont
6	H6ATOTBC	H6ATOTBC:W6 Change in Total Assets w/ 2nd home	Cont
7	H7ATOTBC	H7ATOTBC:W7 Change in Total Assets w/ 2nd home	Cont
8	H8ATOTBC	H8ATOTBC:W8 Change in Total Assets w/ 2nd home	Cont
9	H9ATOTBC	H9ATOTBC:W9 Change in Total Assets w/ 2nd home	Cont
10	H10ATOTBC	H10ATOTBC:W10 Change in Total Assets w/ 2nd home	Cont
11	H11ATOTBC	H11ATOTBC:W11 Change in Total Assets w/ 2nd home	Cont
12	H12ATOTBC	H12ATOTBC:W12 Change in Total Assets w/ 2nd home	Cont
2	H2ATOTWC	H2ATOTWC:W2 Change in Tot Wealth /No Ira	Cont
3	H3ATOTWC	H3ATOTWC:W3 Change in Tot Wealth /No Ira	Cont
4	H4ATOTWC	H4ATOTWC:W4 Change in Tot Wealth /No Ira	Cont
5	H5ATOTWC	H5ATOTWC:W5 Change in Tot Wealth /No Ira	Cont
6	H6ATOTWC	H6ATOTWC:W6 Change in Tot Wealth /No Ira	Cont
7	H7ATOTWC	H7ATOTWC:W7 Change in Tot Wealth /No Ira	Cont
8	H8ATOTWC	H8ATOTWC:W8 Change in Tot Wealth /No Ira	Cont
9	H9ATOTWC	H9ATOTWC:W9 Change in Tot Wealth /No Ira	Cont
10	H10ATOTWC	H10ATOTWC:W10 Change in Tot Wealth /No Ira	Cont
11	H11ATOTWC	H11ATOTWC:W11 Change in Tot Wealth /No Ira	Cont
12	H12ATOTWC	H12ATOTWC:W12 Change in Tot Wealth /No Ira	Cont
2	H2ATOTHC	H2ATOTHC:W2 Change in Net Prim Res House Value	Cont
3	H3ATOTHC	H3ATOTHC:W3 Change in Net Prim Res House Value	Cont
4	H4ATOTHC	H4ATOTHC:W4 Change in Net Prim Res House Value	Cont
5	H5ATOTHC	H5ATOTHC:W5 Change in Net Prim Res House Value	Cont
6	H6ATOTHC	H6ATOTHC:W6 Change in Net Prim Res House Value	Cont
7	H7ATOTHC	H7ATOTHC:W7 Change in Net Prim Res House Value	Cont
8	H8ATOTHC	H8ATOTHC:W8 Change in Net Prim Res House Value	Cont
9	H9ATOTHC	H9ATOTHC:W9 Change in Net Prim Res House Value	Cont
10	H10ATOTHC	H10ATOTHC:W10 Change in Net Prim Res House Value	Cont
11	H11ATOTHC	H11ATOTHC:W11 Change in Net Prim Res House Value	Cont
12	H12ATOTHC	H12ATOTHC:W12 Change in Net Prim Res House Value	Cont
2	H2ATOTFC	H2ATOTFC:W2 Change in Non-House Fin Wlth	Cont
3	H3ATOTFC	H3ATOTFC:W3 Change in Non-House Fin Wlth	Cont
4	H4ATOTFC	H4ATOTFC:W4 Change in Non-House Fin Wlth	Cont
5	H5ATOTFC	H5ATOTFC:W5 Change in Non-House Fin Wlth	Cont
6	H6ATOTFC	H6ATOTFC:W6 Change in Non-House Fin Wlth	Cont
7	H7ATOTFC	H7ATOTFC:W7 Change in Non-House Fin Wlth	Cont
8	H8ATOTFC	H8ATOTFC:W8 Change in Non-House Fin Wlth	Cont
9	H9ATOTFC	H9ATOTFC:W9 Change in Non-House Fin Wlth	Cont
10	H10ATOTFC	H10ATOTFC:W10 Change in Non-House Fin Wlth	Cont
11	H11ATOTFC	H11ATOTFC:W11 Change in Non-House Fin Wlth	Cont
12	H12ATOTFC	H12ATOTFC:W12 Change in Non-House Fin Wlth	Cont
2	H2ATOTNC	H2ATOTNC:W2 Change in Tot NonHouse Assts	Cont
3	H3ATOTNC	H3ATOTNC:W3 Change in Tot NonHouse Assts	Cont
4	H4ATOTNC	H4ATOTNC:W4 Change in Tot NonHouse Assts	Cont
5	H5ATOTNC	H5ATOTNC:W5 Change in Tot NonHouse Assts	Cont
6	H6ATOTNC	H6ATOTNC:W6 Change in Tot NonHouse Assts	Cont
7	H7ATOTNC	H7ATOTNC:W7 Change in Tot NonHouse Assts	Cont
8	H8ATOTNC	H8ATOTNC:W8 Change in Tot NonHouse Assts	Cont
9	H9ATOTNC	H9ATOTNC:W9 Change in Tot NonHouse Assts	Cont

10	H10ATOTNC	H10ATOTNC:W10 Change in Tot NonHouse Assts	Cont
11	H11ATOTNC	H11ATOTNC:W11 Change in Tot NonHouse Assts	Cont
12	H12ATOTNC	H12ATOTNC:W12 Change in Tot NonHouse Assts	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2ATOTAC	11423	37947.44	377584.15	-6756000.0	7404674.4
H3ATOTAC	17721	46257.20	574162.11	-13131982.0	39407027.8
H4ATOTAC	16293	35934.53	929339.65	-12572838.8	70150000.0
H5ATOTAC	19314	31647.90	1082322.70	-81344000.0	37838207.7
H6ATOTAC	17938	5963.17	1023325.99	-37117000.0	89443200.0
H7ATOTAC	16657	52506.86	1127895.59	-89499200.0	29771000.0
H8ATOTAC	18261	69297.79	897588.67	-25440000.0	36159999.0
H9ATOTAC	17074	-2295.65	958101.52	-38147000.0	21958000.0
H10ATOTAC	15595	-52820.37	828902.48	-31485000.0	23632018.2
H11ATOTAC	20223	-3837.84	666112.07	-34770000.0	26631295.7
H12ATOTAC	18570	34021.99	639867.74	-27690864.8	23406200.0
H2ATOTBC	11317	35945.31	388799.72	-6746000.0	7404674.4
H5ATOTBC	18859	34613.92	1093241.32	-81164000.0	37938207.7
H6ATOTBC	17710	8967.56	1027916.39	-36807000.0	89353200.0
H7ATOTBC	16567	56693.46	1139284.18	-89489200.0	29771000.0
H8ATOTBC	18231	73388.09	892542.07	-25210000.0	36159999.0
H9ATOTBC	17058	-453.73	981809.96	-38147000.0	21958000.0
H10ATOTBC	15579	-58291.60	872142.57	-31485000.0	23632018.2
H11ATOTBC	20213	-4231.99	681642.33	-35170000.0	26631295.7
H12ATOTBC	18569	38658.34	708106.36	-27690864.8	32708967.0
H2ATOTWC	11423	29521.33	370343.29	-6836000.0	7381674.4
H3ATOTWC	17721	39288.09	561855.07	-13131982.0	39407027.8
H4ATOTWC	16293	27603.79	914197.24	-10310000.0	70040000.0
H5ATOTWC	19314	19674.16	1060092.08	-81295000.0	38101207.7
H6ATOTWC	17938	12671.72	1002972.26	-37378000.0	89423200.0
H7ATOTWC	16657	50331.92	1124422.09	-89479200.0	29771000.0
H8ATOTWC	18261	53829.97	778168.15	-25140000.0	24155311.9
H9ATOTWC	17074	1446.20	841125.94	-28490000.0	21958000.0
H10ATOTWC	15595	-52081.13	805823.81	-31485000.0	23632018.2
H11ATOTWC	20223	-7262.88	648498.81	-34200000.0	27072204.6
H12ATOTWC	18570	22757.10	604304.30	-27190864.8	23435000.0
H2ATOTHC	11423	5450.62	122946.91	-5290000.0	4735000.0
H3ATOTHC	17721	4177.73	88187.23	-1588163.4	4490000.0
H4ATOTHC	16293	5834.37	201669.26	-1459517.1	14555275.8
H5ATOTHC	19314	8958.48	186679.39	-9000000.0	9100000.0
H6ATOTHC	17938	12070.88	234068.32	-13900000.0	8904745.7
H7ATOTHC	16657	22834.41	311785.19	-9985000.0	23140000.0
H8ATOTHC	18261	26455.79	324342.42	-25000000.0	4640000.0
H9ATOTHC	17074	-760.51	348491.15	-4190000.0	22850000.0
H10ATOTHC	15595	-27486.70	365389.91	-22000000.0	8205000.0
H11ATOTHC	20223	-5416.48	163350.10	-8500000.0	6900000.0
H12ATOTHC	18570	8840.03	144050.42	-6327971.2	4106901.9
H2ATOTFC	11423	15695.70	180520.47	-2678000.0	7411674.4
H3ATOTFC	17721	30611.50	437195.30	-6710676.3	39212027.8
H4ATOTFC	16293	17516.88	433549.01	-10150000.0	24995000.0

H5ATOTFC	19314	12054.25	461795.20	-22895000.0	28300000.0
H6ATOTFC	17938	314.28	815093.71	-19624995.8	89998200.0
H7ATOTFC	16657	14087.23	894604.01	-89753700.0	25876067.4
H8ATOTFC	18261	11856.25	496123.45	-18434130.6	24815311.9
H9ATOTFC	17074	1669.47	446171.18	-13385000.0	14099178.0
H10ATOTFC	15595	-2095.43	417070.67	-19256478.1	25948832.7
H11ATOTFC	20223	2017.15	512503.51	-19700000.0	41225313.5
H12ATOTFC	18570	9221.33	378709.94	-25202000.0	7593968.4
H2ATOTNC	11423	32496.83	351501.59	-6601000.0	7434674.4
H3ATOTNC	17721	42079.47	561600.44	-12507569.6	39357027.8
H4ATOTNC	16293	30100.16	906188.54	-12522838.8	70130000.0
H5ATOTNC	19314	22689.42	1041274.56	-80844000.0	37500000.0
H6ATOTNC	17938	-6107.71	974444.12	-28329995.8	89393200.0
H7ATOTNC	16657	29672.45	1076402.23	-89799200.0	29685000.0
H8ATOTNC	18261	42841.99	835880.25	-18344130.6	36909999.0
H9ATOTNC	17074	-1535.14	914824.83	-38177000.0	21507592.4
H10ATOTNC	15595	-25333.68	753300.21	-35010000.0	26132018.2
H11ATOTNC	20223	1578.65	637958.73	-34770000.0	26117000.9
H12ATOTNC	18570	25181.95	613486.42	-25680000.0	23406200.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in the unfolding brackets used to determine a range of wealth when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. These differences are also discussed in more detail above in the "Wealth and Income Imputations" section.

How Constructed

Change in wealth variables take the difference between the current and previous interviews. For example, the Wave 2 change in wealth is the Wave 2 wealth less the Wave 1 wealth. If a Respondent misses an interview, the change is adjusted to account for the longer period between interviews. For example, if a Respondent misses Wave 2 but responds to Wave 1 and Wave 3, the difference between Wave 3 and Wave 1 wealth is divided by 2. If a Respondent misses 2 interviews, the difference is divided by 3, and so on.

If the Respondent has no prior interview, then the change in wealth variables are set to missing value .P (no prior interview).

HwATOTHC = (HwATOTH - H[pw]ATOTH) / (w-pw)

HwATOTFC = (HwATOTF - H[pw]ATOTF) / (w-pw)

HwATOTAC = (HwATOTA - H[pw]ATOTA) / (w-pw)

HwATOTBC = (HwATOTB - H[pw]ATOTB) / (w-pw)

HwATOTNC = (HwATOTN - H[pw]ATOTN) / (w-pw)

HwATOTWC = (HwATOTW - H[pw]ATOTW) / (w-pw)

Where "w" is the current wave and "pw" is the last previous interview to which the Respondent responded.

It is important to note that HwATOTBC will only be calculated based on the waves for which second residence information is currently available, that is - Wave 2H, and from Wave 4 forward.

Section D: Income

Individual Earnings

Wave	Variable	Label	Type
1	R1IEARN	R1IEARN:W1 Income:R Earnings	Cont
2	R2IEARN	R2IEARN:W2 Income:R Earnings	Cont
3	R3IEARN	R3IEARN:W3 Income:R Earnings	Cont
4	R4IEARN	R4IEARN:W4 Income:R Earnings	Cont
5	R5IEARN	R5IEARN:W5 Income:R Earnings	Cont
6	R6IEARN	R6IEARN:W6 Income:R Earnings	Cont
7	R7IEARN	R7IEARN:W7 Income:R Earnings	Cont
8	R8IEARN	R8IEARN:W8 Income:R Earnings	Cont
9	R9IEARN	R9IEARN:W9 Income:R Earnings	Cont
10	R10IEARN	R10IEARN:W10 Income:R Earnings	Cont
11	R11IEARN	R11IEARN:W11 Income:R Earnings	Cont
12	R12IEARN	R12IEARN:W12 Income:R Earnings	Cont
1	S1IEARN	S1IEARN:W1 Income:Sp Earnings	Cont
2	S2IEARN	S2IEARN:W2 Income:Sp Earnings	Cont
3	S3IEARN	S3IEARN:W3 Income:Sp Earnings	Cont
4	S4IEARN	S4IEARN:W4 Income:Sp Earnings	Cont
5	S5IEARN	S5IEARN:W5 Income:Sp Earnings	Cont
6	S6IEARN	S6IEARN:W6 Income:Sp Earnings	Cont
7	S7IEARN	S7IEARN:W7 Income:Sp Earnings	Cont
8	S8IEARN	S8IEARN:W8 Income:Sp Earnings	Cont
9	S9IEARN	S9IEARN:W9 Income:Sp Earnings	Cont
10	S10IEARN	S10IEARN:W10 Income:Sp Earnings	Cont
11	S11IEARN	S11IEARN:W11 Income:Sp Earnings	Cont
12	S12IEARN	S12IEARN:W12 Income:Sp Earnings	Cont
1	R1IFEARN	R1IFEARN:W1 ImpFlag:R Earnings	Categ
2	R2IFEARN	R2IFEARN:W2 ImpFlag:R Earnings	Categ
3	R3IFEARN	R3IFEARN:W3 ImpFlag:R Earnings	Categ
4	R4IFEARN	R4IFEARN:W4 ImpFlag:R Earnings	Categ
5	R5IFEARN	R5IFEARN:W5 ImpFlag:R Earnings	Categ
6	R6IFEARN	R6IFEARN:W6 ImpFlag:R Earnings	Categ
7	R7IFEARN	R7IFEARN:W7 ImpFlag:R Earnings	Categ
8	R8IFEARN	R8IFEARN:W8 ImpFlag:R Earnings	Categ
9	R9IFEARN	R9IFEARN:W9 ImpFlag:R Earnings	Categ
10	R10IFEARN	R10IFEARN:W10 ImpFlag:R Earnings	Categ
11	R11IFEARN	R11IFEARN:W11 ImpFlag:R Earnings	Categ
12	R12IFEARN	R12IFEARN:W12 ImpFlag:R Earnings	Categ
1	S1IFEARN	S1IFEARN:W1 ImpFlag:Sp Earnings	Categ
2	S2IFEARN	S2IFEARN:W2 ImpFlag:Sp Earnings	Categ
3	S3IFEARN	S3IFEARN:W3 ImpFlag:Sp Earnings	Categ
4	S4IFEARN	S4IFEARN:W4 ImpFlag:Sp Earnings	Categ
5	S5IFEARN	S5IFEARN:W5 ImpFlag:Sp Earnings	Categ
6	S6IFEARN	S6IFEARN:W6 ImpFlag:Sp Earnings	Categ
7	S7IFEARN	S7IFEARN:W7 ImpFlag:Sp Earnings	Categ
8	S8IFEARN	S8IFEARN:W8 ImpFlag:Sp Earnings	Categ
9	S9IFEARN	S9IFEARN:W9 ImpFlag:Sp Earnings	Categ
10	S10IFEARN	S10IFEARN:W10 ImpFlag:Sp Earnings	Categ
11	S11IFEARN	S11IFEARN:W11 ImpFlag:Sp Earnings	Categ
12	S12IFEARN	S12IFEARN:W12 ImpFlag:Sp Earnings	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IEARN	12652	19402.53	30359.05	0.0	1250000.0
R2IEARN	19642	11629.84	33833.94	0.0	3000000.0
R3IEARN	17991	10462.41	24158.29	0.0	770000.0
R4IEARN	21384	11334.19	35379.33	0.0	3530000.0

R5IEARN	19579	10883.69	29995.17	0.0	2000000.0
R6IEARN	18165	10760.74	28451.34	0.0	757000.0
R7IEARN	20129	14095.71	38004.95	0.0	2000000.0
R8IEARN	18469	13137.10	57719.27	0.0	6525000.0
R9IEARN	17217	12971.96	36220.18	0.0	1425000.0
R10IEARN	22034	16985.55	39666.43	0.0	1400000.0
R11IEARN	20554	16386.41	40588.89	0.0	1053000.0
R12IEARN	18748	16072.46	41927.02	0.0	1600000.0
S1IEARN	10279	19712.36	28871.57	0.0	600000.0
S2IEARN	13672	13981.37	38711.47	0.0	3000000.0
S3IEARN	12333	12307.73	26058.29	0.0	770000.0
S4IEARN	14515	13386.00	40503.08	0.0	3530000.0
S5IEARN	13041	12872.35	28462.61	0.0	705000.0
S6IEARN	11859	12923.16	31469.35	0.0	757000.0
S7IEARN	13352	17044.23	44226.10	0.0	2000000.0
S8IEARN	12052	16039.66	69512.11	0.0	6525000.0
S9IEARN	11012	15963.48	41617.49	0.0	1425000.0
S10IEARN	14235	19772.01	42650.25	0.0	1400000.0
S11IEARN	13080	19784.74	45857.31	0.0	1053000.0
S12IEARN	11625	20192.18	48496.94	0.0	1000000.0
R1IFEARN	12652	0.88	0.93	0.0	9.0
R2IFEARN	19642	0.56	0.95	0.0	9.0
R3IFEARN	17991	0.48	0.93	0.0	9.0
R4IFEARN	21384	0.52	1.04	0.0	9.0
R5IFEARN	19579	0.46	0.94	0.0	9.0
R6IFEARN	18165	0.41	0.75	0.0	9.0
R7IFEARN	20129	0.48	0.85	0.0	9.0
R8IFEARN	18469	0.43	0.79	0.0	9.0
R9IFEARN	17217	0.41	0.82	0.0	9.0
R10IFEARN	22034	0.61	1.32	0.0	9.0
R11IFEARN	20554	0.50	0.99	0.0	9.0
R12IFEARN	18748	0.49	1.07	0.0	9.0
S1IFEARN	12652	2.23	2.91	0.0	9.0
S2IFEARN	19642	2.89	3.47	0.0	9.0
S3IFEARN	17991	2.88	3.55	0.0	9.0
S4IFEARN	21384	2.97	3.58	0.0	9.0
S5IFEARN	19579	3.02	3.61	0.0	9.0
S6IFEARN	18165	3.08	3.64	0.0	9.0
S7IFEARN	20129	3.06	3.60	0.0	9.0
S8IFEARN	18469	3.10	3.64	0.0	9.0
S9IFEARN	17217	3.19	3.68	0.0	9.0
S10IFEARN	22034	3.28	3.68	0.0	9.0
S11IFEARN	20554	3.27	3.68	0.0	9.0
S12IFEARN	18748	3.40	3.72	0.0	9.0

Categorical Variable Codes

Value	R1IFEARN	R2IFEARN	R3IFEARN	R4IFEARN	R5IFEARN	R6IFEARN	R7IFEARN
0.No income	3624	11307	11455	13423	12824	12365	12671
1.No imputations	7595	6580	5343	6290	5387	4421	5844
2.Some imputation	1338	1621	1067	1464	1231	1334	1525
9.No Fin Resp	95	134	126	207	137	45	89

Value	R8IFEARN	R9IFEARN	R10IFEARN	R11IFEARN	R12IFEARN
0.No income	12312	11773	13407	13044	12246
1.No imputations	4879	4321	6744	5998	5178
2.Some imputation	1213	1048	1465	1341	1125
9.No Fin Resp	65	75	418	171	199

Value	S1IFEARN	S2IFEARN	S3IFEARN	S4IFEARN	S5IFEARN	S6IFEARN	S7IFEARN
0.No income	2924	6894	7294	8455	7983	7588	7816
1.No imputations	6089	5192	4128	4797	4035	3272	4319
2.Some imputation	1171	1483	825	1078	930	963	1140
8.No Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6777
9.No Fin Resp	95	103	86	185	93	36	77

Value	S8IFEARN	S9IFEARN	S10IFEARN	S11IFEARN	S12IFEARN
0.No income	7513	7031	8057	7724	7053
1.No imputations	3598	3128	4784	4225	3579
2.Some imputation	889	791	1067	988	833
8.No Sp/Part->no incm	6417	6205	7799	7474	7123
9.No Fin Resp	52	62	327	143	160

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

For the HRS sample, RwIEARN is the sum of Respondent's wage/salary income, bonuses/overtime pay/commissions/tips, 2nd job or military reserve earnings, professional practice or trade income. For the AHEAD sample, Wave 2A R2IEARN includes only the earnings income as asked. In Wave 3A, the calculation of R3IEARN does not include income from a 2nd job, as it was not asked in this wave. RwIFEARN is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

For the HRS sample, SwIEARN is the sum of spouse's wage/salary income, bonuses/overtime pay/commissions/tips, 2nd job or military reserve earnings, professional practice or trade income. For the AHEAD sample, Wave 2A S2IEARN includes only the earnings income as asked. In Wave 3A, the calculation of S3IEARN does not include income from a 2nd job, as it was not asked in this wave. SwIFEARN is a flag that indicates whether any components are imputed.

The individual components: RwIWAGE, RwIBON, RwI2ND, RwITRAD and their imputation flags (RwIFvar) are available in the "RAND Income and Wealth Imputation File."

Because of the differences in the way income information was collected for the HRS and AHEAD samples in Waves 2 and 3, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For AHEAD entry cohort Respondents, R2IFBON, S2IFBON, R2IFTRAD, S2IFTRAD, R2IFWAGE, S2IFWAGE, R2IF2ND, S2IF2ND, R3IF2ND, and S3IF2ND are set to .Q to indicate that the corresponding income components are not available in Waves 2A and 3A.

Cross Wave Differences in Original HRS Data

The components of earnings remain the same across all HRS waves. However, there are fewer specific questions for the AHEAD sample. In Wave 2A, Respondents are only asked about last year's earnings of all jobs combined. Wave 3A questions cover wages, bonuses and professional practice income but did not ask about income from a second job. Therefore, this component is not part of the earnings calculation.

From Wave 2H forward, if the Respondent refuses or does not know the value of an income component, a series of unfolding bracket questions are asked. The bracket amounts and entry points for some components vary across waves. In Waves 1 and 2A, no unfolding bracket questions are asked.

For AHEAD Respondents in Waves 2A and 3A, the income components corresponding to imputation flags R2IFBON, S2IFBON, R2IFTRAD, S2IFTRAD, R2IFWAGE, S2IFWAGE, R2IF2ND, S2IF2ND, R3IF2ND, and S3IF2ND are not available.

HRS Variables Used

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HRS 1992:
    V15402          N2A:N4A:91:R1-PAY/SA:IND
    V15403          N3:N5:91-R1-GROSS AM:IND
    V15404          N6:1991:R2-PAY/SAL I:IND
    V15405          N7:1991:R2   AMT REC:IND
    V15406          N2B:N4B:91:R1-BONUS/:IND
    V15407          N3:N5:91-R1-GROSS AM:IND
    V15408          N6:1991:R2-BONUS/TIP:IND
    V15409          N7:1991: R2   AMT RE:IND
    V15410          N2C:N4C:91:R1-PRO IN:IND
    V15411          N3:N5:91-R1-GROSS AM:IND
    V15412          N6:1991:R2-PRO PRACT:IND
    V15413          N7:1991: R2   AMT RE:IND
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    V15414          N2D:N4D:91:R1-OTH IN:IND
    V15415          N3:N5:91-R1-GROSS AM:IND
    V15416          N6:1991:R2-OTHER INC:IND
    V15417          N7:1991:R2   AMT REC:IND
    V5402           N2A:N4A:91:R1-PAY/SA:IMP
    V5403           N3:N5:91:R1-GROS $AM:IMP
    V5404           N6:1991:R2-PAY/SAL I:IMP
    V5405           N7:1991:R2-$  AMT RE:IMP
    V5406           N2B:N4B:91:R1-BONUS/:IMP
    V5407           N3:N5:91:R1-GROS $AM:IMP
    V5408           N6:1991:R2-BONUS/TIP:IMP
    V5409           N7:1991:R2-$ AMT REC:IMP
    V5410           N2C:N4C:91:R1-PRO IN:IMP
    V5411           N3:N5:91:R1-GROS $AM:IMP
    V5412           N6:1991:R2-PRO PRACT:IMP
    V5413           N7:1991:R2-$  AMT RE:IMP
    V5414           N2D:N4D:91:R1-OTH IN:IMP
    V5415           N3:N5:91:R1-GROS $AM:IMP
    V5416           N6:1991:R2-OTHER INC:IMP
    V5417           N7:1991:R2-$  AMT RE:IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1188           G7. CURR WORK: $ EARNED LAST MONTH
    B1189           G8. CURR WORK: $ EARNED 1992-1993
    B1227           G17. JOB LAST 2 YRS: TOT $ EARN 1992/93
HRS 1994:
    W15912          N3a. Imputation flag
    W15913          N4a1. Imputation flag
    W15918          N3b. Imputation flag
    W15919          N4b1. Imputation flag
    W15924          N3c. Imputation flag
    W15925          N4c1. Imputation flag
    W15930          N3d. Imputation flag
    W15931          N4d1. Imputation flag
    W15936          N5a. Imputation flag
    W15937          N6a1. Imputation flag
    W15942          N7a. Imputation flag
    W15943          N8a1.Imputation flag
    W15948          N5b. Imputation flag
    W15949          N6b1. Imputation flag
    W15954          N7b. Imputation flag
    W15955          N8b1. Imputation flag
    W15960          N5c. Imputation flag
    W15961          N6c1. Imputation flag
    W15966          N7c. Imputation flag
    W15967          N8c1. Imputation flag
    W15972          N5d. Imputation flag
    W15973          N6d1. Imputation flag
    W15978          N7d. Imputation flag
    W15979          N8d1. Imputation flag
    W5912           N3a.R-WAGE/SALARY FROM J
    W5913           N4a1.R-AMOUNT INCOME 199
    W5914           N4a1. Brackets
    W5918           N3b.R-INCOME FROM PROF P
    W5919           N4b1.R-AMT INCOME FROM P
    W5920           N4b1. Brackets
    W5924           N3c.R-INCOME FROM BONUSE
    W5925           N4c1.R-AMT INCOME FROM B
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    W5926           N4c1. Brackets
    W5930           N3d.R-INCOME FROM SECOND
    W5931           N4d1.R-AMT INCOME FROM S
    W5932           N4f1. Brackets
    W5936           N5a.R-WAGE/SALARY FROM J
    W5937           N6a1.R-AMOUNT INCOME 199
    W5938           N6a1. Brackets
    W5942           N7a.SP-WAGE/SALARY FROM
    W5943           N8a1.SP-AMOUNT INCOME 19
    W5944           N8a1. Brackets
    W5948           N5b.R-INCOME FROM PROF P
    W5949           N6b1.R-AMT INCOME FROM P
    W5950           N6b1. Brackets
    W5954           N7b.SP-INCOME FROM PROF
    W5955           N8b1.SP-AMT INCOME FROM
    W5956           N8b1. Brackets
    W5960           N5c.R-INCOME FROM BONUSE
    W5961           N6c1.R-AMT INCOME FROM B
    W5962           N6c1. Brackets
    W5966           N7c.SP-INCOME FROM BONUS
    W5967           N8c1.SP-AMT INCOME FROM
    W5968           N8c1. Brackets
    W5972           N5d.R-INCOME FROM SECOND
    W5973           N6d1.R-AMT INCOME FROM S
    W5974           N6d1. Brackets
    W5978           N7d.SP-INCOME FROM SECON
    W5979           N8d1.SP-AMT INCOME FROM
    W5980           N8d1. Brackets
AHEAD 1995:
    D4534_2         J57A.R EARNINGS SELF EMP
    D4534_3         J57A.R EARNINGS SELF EMP
    D4534_4         J57A.R EARNINGS SELF EMP
    D4536_2         J57B.R $ EARNINGS LCY
    D4536_3         J57B.R $ EARNINGS LCY
    D4536_4         J57B.R $ EARNINGS LCY
    D4537_2         J57B.DK-1
    D4537_3         J57B.DK-1
    D4537_4         J57B.DK-1
    D4538_2         J57C.DK-2
    D4538_3         J57C.DK-2
    D4538_4         J57C.DK-2
    D4539_2         J57D.DK-3
    D4539_3         J57D.DK-3
    D4539_4         J57D.DK-3
    D4547_2         J58A.SP EARNINGS SELF EMP
    D4547_3         J58A.SP EARNINGS SELF EMP
    D4547_4         J58A.SP EARNINGS SELF EMP
    D4549_2         J58B.SP $ EARNINGS LCY
    D4549_3         J58B.SP $ EARNINGS LCY
    D4549_4         J58B.SP $ EARNINGS LCY
    D4550_2         J58B.DK-1
    D4550_3         J58B.DK-1
    D4550_4         J58B.DK-1
    D4551_2         J58C.DK-2
    D4551_3         J58C.DK-2
    D4551_4         J58C.DK-2
    D4552_2         J58D.DK-3
    D4552_3         J58D.DK-3
    D4552_4         J58D.DK-3
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HRS 1996:
    E3882           J7.R WAGES AND SALARY LCYEAR
    E3883           J8.R HOW MUCH WAGES AND SALARY
    E3884           J8A.R $ WAGES AND SALARY DK-25K
    E3885           J8B.R $ WAGES AND SALARY DK-50K
    E3886           J8C.R $ WAGES AND SALARY DK-100K
    E3887           J8D.R $ WAGES AND SALARY DK-5K
    E3889           J9.R PROF PRACTICE OR TRADE LCYEAR
    E3890           J10.R HOW MUCH PROF PRACTICE OR TRADE
    E3891           J10A.R $ PROF PRAC TRADE DK-25K
    E3892           J10B.R $ PROF PRAC TRADE DK-50K
    E3893           J10C.R $ PROF PRAC TRADE DK-100K
    E3894           J10D.R $ PROF PRAC TRADE DK-5K
    E3896           J11.R TIPS, BONUSES, COMMISSION LCYEAR
    E3897           J11A.R HOW MUCH TIPS, BONUSES, COMMISSIO
    E3898           J11B.R TIPS BONUS COMMS LCY DK-5K
    E3899           J11C.R TIPS BONUS COMMS LCY DK-25K
    E3900           J11D.R TIPS BONUS COMMS LCY DK-50K
    E3901           J11E.R TIPS BONUS COMMS LCY DK-2.5K
    E3902           J12.R 2ND JOB
    E3903           J12A.HOW MUCH OTHER INCOME LCY
    E3904           J12B.$ OTHER INCOME LCY DK-5K
    E3905           J12C.$ OTHER INCOME LCY DK-25K
    E3906           J12D.$ OTHER INCOME LCY DK-50K
    E3907           J12E.$ OTHER INCOME LCY DK-2.5K
    E3915           J15.SP WAGES AND SALARY LCYEAR
    E3916           J16.SP HOW MUCH WAGES AND SALARY
    E3917           J16A.SP $ WAGES AND SALARY DK-25K
    E3918           J16B.SP $ WAGES AND SALARY DK-50K
    E3919           J16C.SP $ WAGES AND SALARY DK-100K
    E3920           J16D.SP $ WAGES AND SALARY DK-5K
    E3922           J17.SP PROF PRACTICE OR TRADE LCYEAR
    E3923           J18.SP HOW MUCH PROF PRACTICE OR TRADE
    E3924           J18A.SP $ PROF PRAC OR TRADE DK-25K
    E3925           J18B.SP $ PROF PRAC OR TRADE DK-50K
    E3926           J18C.SP $ PROF PRAC OR TRADE DK-100K
    E3927           J18D.SP $ PROF PRAC OR TRADE DK-5K
    E3929           J19.SP TIPS, BONUSES, COMMISSION LCYEAR
    E3930           J19A.SP HOW MUCH TIPS, BONUSES, COMMISSI
    E3931           J19B.SP TIPS BONUS COMM LC_YR DK-5K
    E3932           J19C.SP TIPS BONUS COMM LC_YR DK-25K
    E3933           J19D.SP TIPS BONUS COMM LC_YR DK-50K
    E3934           J19E.SP TIPS BONUS COMM LC_YR DK-2.5K
    E3935           J20.SP 2ND JOB RECEIVE OTHER INCOME
    E3936           J20A.SP HOW MUCH OTHER INCOME
    E3937           J20B.SP $ OTHER INCOME DK-20K
    E3938           J20C.SP $ OTHER INCOME DK-50K
    E3939           J20D.SP $ OTHER INCOME DK-100K
    E3940           J20E.SP $ OTHER INCOME DK-5K
HRS 1998:
    F4642           J7.R WAGES AND SALARY LCYEAR
    F4643           J8.R HOW MUCH WAGES AND SALARY
    F4644           J8A.R DK-5K
    F4645           J8A.R DK-25,000
    F4646           J8B.R DK-50,000
    F4647           J8C.R DK-100,000
    F4648           J8B.R DK-25,000
    F4649           J8D.R DK-5,000
    F4651           J9.R PROF PRACTICE OR TRADE LCYEAR
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    F4652           J10.R HOW MUCH PROF PRACTICE OR TRADE
    F4653           J10A.R DK-25,000
    F4654           J10B.R DK-50,000
    F4655           J10C.R DK-100,000
    F4656           J10D.R DK-5,000
    F4657           J11.R TIPS, BONUSES, COMMISSION LCYEAR
    F4658           J11A.R HOW MUCH TIPS, BONUSES, COMMISSIO
    F4659           J11B.R DK-5,000
    F4660           J11C.R DK-25,000
    F4661           J11D.R DK-50,000
    F4662           J11E.R DK-2,500
    F4663           J12.R 2ND JOB
    F4664           J12A.HOW MUCH OTHER INCOME LCY
    F4665           J12B.R DK-5,000
    F4666           J12C.R DK-25,000
    F4667           J12D.R DK-50,000
    F4668           J12E.R DK-2,500
    F4675           J15.SP WAGES AND SALARY LCYEAR
    F4676           J16.SP HOW MUCH WAGES AND SALARY
    F4677           J16A.SP DK-25,000
    F4678           J16B.SP DK-50,000
    F4679           J16C.SP DK-100,000
    F4680           J16D.SP DK-5,000
    F4682           J17.SP PROF PRACTICE OR TRADE LCYEAR
    F4683           J18.SP HOW MUCH PROF PRACTICE OR TRADE
    F4684           J18A.SP DK-25,000
    F4685           J18B.SP DK-50,000
    F4686           J18C.SP DK-100,000
    F4687           J18D.SP DK-5,000
    F4689           J19.SP TIPS, BONUSES, COMMISSION LCYEAR
    F4690           J19A.SP HOW MUCH TIPS, BONUSES, COMMISSI
    F4691           J19B.SP DK-5K
    F4692           J19C.SP DK-25K
    F4693           J19D.SP DK-50K
    F4694           J19E.SP DK-2.5K
    F4695           J20.SP 2ND JOB RECEIVE OTHER INCOME
    F4696           J20A.SP HOW MUCH OTHER INCOME
    F4697           J20B.SP DK-20K
    F4698           J20C.SP DK-50K
    F4699           J20D.SP DK-100K
    F4700           J20E.SP DK-5K
HRS 2000:
    G5081           J7.R WAGES AND SALARY LCYEAR
    G5082           J8.R HOW MUCH WAGES AND SALARY
    G5083           J8A.R DK-5K
    G5084           J8Y1A.R DK-25000
    G5085           J8B.R DK-50000
    G5086           J8C.R DK-100000
    G5087           J8Y1B.R DK-25000
    G5088           J8D.R DK-5000
    G5090           J9.R PROF PRACTICE OR TRADE LCYEAR
    G5091           J10.R HOW MUCH PROF PRACTICE OR TRADE
    G5092           J10A.R DK-25000
    G5093           J10B.R DK-50000
    G5094           J10C.R DK-100000
    G5095           J10D.R DK-5000
    G5096           J11.R RCV TIPS/BONUSES/COMMISSION LCY
    G5097           J11A.R AMT TIPS/BONUS/COMMISSION-LCY
    G5098           J11B.R DK-5000
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    G5100           J11D.R DK-50000
    G5101           J11E.R DK-2500
    G5102           J12.R 2ND JOB
    G5103           J12A.HOW MUCH OTHER INCOME LCY
    G5104           J12B.R DK-5000
    G5105           J12C.R DK-25000
    G5106           J12D.R DK-50000
    G5107           J12E.R DK-2500
    G5114           J15.SP WAGES AND SALARY LCYEAR
    G5115           J16.SP HOW MUCH WAGES AND SALARY
    G5116           J16A.SP DK-25000
    G5117           J16B.SP DK-50000
    G5118           J16C.SP DK-100000
    G5119           J16D.SP DK-5000
    G5121           J17.SP PROF PRACTICE OR TRADE LCYEAR
    G5122           J18.SP HOW MUCH PROF PRACTICE OR TRADE
    G5123           J18A.SP DK-25000
    G5124           J18B.SP DK-50000
    G5125           J18C.SP DK-100000
    G5126           J18D.SP DK-5000
    G5128           J19.SP RCV TIPS/BONUS/COMMISSION LCY
    G5129           J19A.SP AMT TIPS/BONUS/COMMISSION LCY
    G5130           J19B.SP DK-5K
    G5131           J19C.SP DK-25K
    G5132           J19D.SP DK-50K
    G5133           J19E.SP DK-2500
    G5134           J20.SP 2ND JOB RECEIVE OTHER INCOME
    G5135           J20A.SP HOW MUCH OTHER INCOME
    G5136           J20B.SP DK-5K
    G5137           J20C.SP DK-25K
    G5138           J20D.SP DK-50K
    G5139           J20E.SP DK-2500
HRS 2002:
    HQ019           R WAGES AND SALARY INCOME - LCY
    HQ020           R AMOUNT FROM WAGES AND SALARY LCY
    HQ021           R AMT FROM WAGES AND SALARY - MIN
    HQ022           R AMT FROM WAGES AND SALARY - MAX
    HQ023           R AMT FROM WAGES AND SALARY - RESULT
    HQ024           R INCOME FROM PROF PRAC OR TRADE - LCY
    HQ025           R AMOUNT FROM PROF PRAC OR TRADE LCY
    HQ026           R AMT FROM PROF PRAC OR TRADE - MIN
    HQ027           R AMT FROM PROF PRAC OR TRADE - MAX
    HQ028           R AMT FROM PROF PRAC OR TRADE - RESULT
    HQ029           R INCOME FROM TIP BONUS COMMISSION - LCY
    HQ030           R AMOUNT FROM TIP BONUS COMMISSION LCY
    HQ031           R AMT FR TIP BONUS COMMISSION - MIN
    HQ032           R AMT FR TIP BONUS COMMISSION - MAX
    HQ033           R AMT FR TIP BONUS COMMISSION - RESULT
    HQ034           R OTHER INCOME FROM WORK 2ND JOB - LCY
    HQ035           R AMOUNT FROM WORK 2ND JOB LCY
    HQ036           R AMT FROM WORK 2ND JOB - MIN
    HQ037           R AMT FROM WORK 2ND JOB - MAX
    HQ038           R AMT FROM WORK 2ND JOB - RESULT
    HQ044           SP WAGES AND SALARY INCOME - LCY
    HQ045           SP AMOUNT FROM WAGES AND SALARY LCY
    HQ046           SP AMT FROM WAGES AND SALARY - MIN
    HQ047           SP AMT FROM WAGES AND SALARY - MAX
    HQ048           SP AMT FROM WAGES AND SALARY - RESULT
    HQ049           SP INCOME FROM PROF PRAC TRADE - LCY
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    HQ050           SP AMOUNT FROM PROF PRAC TRADE LCY
    HQ051           SP AMT FROM PROF PRAC TRADE - MIN
    HQ052           SP AMT FROM PROF PRAC TRADE - MAX
    HQ053           SP AMT FROM PROF PRAC TRADE - RESULT
    HQ054           SP INCOME FROM TIP BONUS COMMISS - LCY
    HQ055           SP AMOUNT FR TIP BONUS COMMISS LCY
    HQ056           SP AMT FR TIP BONUS COMMISS - MIN
    HQ057           SP AMT FR TIP BONUS COMMISS - MAX
    HQ058           SP AMT FR TIP BONUS COMMISS - RESULT
    HQ059           SP OTHER INC FROM WORK 2ND JOB - LCY
    HQ060           SP AMOUNT FROM WORK 2ND JOB LCY
    HQ061           SP AMT FROM WORK 2ND JOB - MIN
    HQ062           SP AMT FROM WORK 2ND JOB - MAX
    HQ063           SP AMT FROM WORK 2ND JOB - RESULT
HRS 2004:
    JQ019           R WAGES AND SALARY INCOME - LCY
    JQ020           R AMOUNT FROM WAGES AND SALARY LCY
    JQ021           R AMT FROM WAGES AND SALARY - MIN
    JQ022           R AMT FROM WAGES AND SALARY - MAX
    JQ023           R AMT FROM WAGES AND SALARY - RESULT
    JQ024           R INCOME FROM PROF PRAC OR TRADE - LCY
    JQ025           R AMOUNT FROM PROF PRAC OR TRADE LCY
    JQ026           R AMT FROM PROF PRAC OR TRADE - MIN
    JQ027           R AMT FROM PROF PRAC OR TRADE - MAX
    JQ028           R AMT FROM PROF PRAC OR TRADE - RESULT
    JQ029           R INCOME FROM TIP BONUS COMMISSION - LCY
    JQ030           R AMOUNT FROM TIP BONUS COMMISSION LCY
    JQ031           R AMT FR TIP BONUS COMMISSION - MIN
    JQ032           R AMT FR TIP BONUS COMMISSION - MAX
    JQ033           R AMT FR TIP BONUS COMMISSION - RESULT
    JQ034           R OTHER INCOME FROM WORK 2ND JOB - LCY
    JQ035           R AMOUNT FROM WORK 2ND JOB LCY
    JQ036           R AMT FROM WORK 2ND JOB - MIN
    JQ037           R AMT FROM WORK 2ND JOB - MAX
    JQ038           R AMT FROM WORK 2ND JOB - RESULT
    JQ044           SP WAGES AND SALARY INCOME - LCY
    JQ045           SP AMOUNT FROM WAGES AND SALARY LCY
    JQ046           SP AMT FROM WAGES AND SALARY - MIN
    JQ047           SP AMT FROM WAGES AND SALARY - MAX
    JQ048           SP AMT FROM WAGES AND SALARY - RESULT
    JQ049           SP INCOME FROM PROF PRAC TRADE - LCY
    JQ050           SP AMOUNT FROM PROF PRAC TRADE LCY
    JQ051           SP AMT FROM PROF PRAC TRADE - MIN
    JQ052           SP AMT FROM PROF PRAC TRADE - MAX
    JQ053           SP AMT FROM PROF PRAC TRADE - RESULT
    JQ054           SP INCOME FROM TIP BONUS COMMISS - LCY
    JQ055           SP AMOUNT FR TIP BONUS COMMISS LCY
    JQ056           SP AMT FR TIP BONUS COMMISS - MIN
    JQ057           SP AMT FR TIP BONUS COMMISS - MAX
    JQ058           SP AMT FR TIP BONUS COMMISS - RESULT
    JQ059           SP OTHER INC FROM WORK 2ND JOB - LCY
    JQ060           SP AMOUNT FROM WORK 2ND JOB LCY
    JQ061           SP AMT FROM WORK 2ND JOB - MIN
    JQ062           SP AMT FROM WORK 2ND JOB - MAX
    JQ063           SP AMT FROM WORK 2ND JOB - RESULT
HRS 2006:
    KQ019           R WAGES AND SALARY INCOME - LCY
    KQ020           R AMOUNT FROM WAGES AND SALARY LCY
    KQ021           R AMT FROM WAGES AND SALARY - MIN
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    KQ022           R AMT FROM WAGES AND SALARY - MAX
    KQ023           R AMT FROM WAGES AND SALARY - RESULT
    KQ024           R INCOME FROM PROF PRAC OR TRADE - LCY
    KQ025           R AMOUNT FROM PROF PRAC OR TRADE LCY
    KQ026           R AMT FROM PROF PRAC OR TRADE - MIN
    KQ027           R AMT FROM PROF PRAC OR TRADE - MAX
    KQ028           R AMT FROM PROF PRAC OR TRADE - RESULT
    KQ029           R INCOME FROM TIP BONUS COMMISSION - LCY
    KQ030           R AMOUNT FROM TIP BONUS COMMISSION LCY
    KQ031           R AMT FR TIP BONUS COMMISSION - MIN
    KQ032           R AMT FR TIP BONUS COMMISSION - MAX
    KQ033           R AMT FR TIP BONUS COMMISSION - RESULT
    KQ034           R OTHER INCOME FROM WORK 2ND JOB - LCY
    KQ035           R AMOUNT FROM WORK 2ND JOB LCY
    KQ036           R AMT FROM WORK 2ND JOB - MIN
    KQ037           R AMT FROM WORK 2ND JOB - MAX
    KQ038           R AMT FROM WORK 2ND JOB - RESULT
    KQ044           SP WAGES AND SALARY INCOME - LCY
    KQ045           SP AMOUNT FROM WAGES AND SALARY LCY
    KQ046           SP AMT FROM WAGES AND SALARY - MIN
    KQ047           SP AMT FROM WAGES AND SALARY - MAX
    KQ048           SP AMT FROM WAGES AND SALARY - RESULT
    KQ049           SP INCOME FROM PROF PRAC TRADE - LCY
    KQ050           SP AMOUNT FROM PROF PRAC TRADE LCY
    KQ051           SP AMT FROM PROF PRAC TRADE - MIN
    KQ052           SP AMT FROM PROF PRAC TRADE - MAX
    KQ053           SP AMT FROM PROF PRAC TRADE - RESULT
    KQ054           SP INCOME FROM TIP BONUS COMMISS - LCY
    KQ055           SP AMOUNT FR TIP BONUS COMMISS LCY
    KQ056           SP AMT FR TIP BONUS COMMISS - MIN
    KQ057           SP AMT FR TIP BONUS COMMISS - MAX
    KQ058           SP AMT FR TIP BONUS COMMISS - RESULT
    KQ059           SP OTHER INC FROM WORK 2ND JOB - LCY
    KQ060           SP AMOUNT FROM WORK 2ND JOB LCY
    KQ061           SP AMT FROM WORK 2ND JOB - MIN
    KQ062           SP AMT FROM WORK 2ND JOB - MAX
    KQ063           SP AMT FROM WORK 2ND JOB - RESULT
HRS 2008:
    LQ019           R WAGES AND SALARY INCOME - LCY
    LQ020           R AMOUNT FROM WAGES AND SALARY LCY
    LQ021           R AMT FROM WAGES AND SALARY - MIN
    LQ022           R AMT FROM WAGES AND SALARY - MAX
    LQ023           R AMT FROM WAGES AND SALARY - RESULT
    LQ024           R INCOME FROM PROF PRAC OR TRADE - LCY
    LQ025           R AMOUNT FROM PROF PRAC OR TRADE LCY
    LQ026           R AMT FROM PROF PRAC OR TRADE - MIN
    LQ027           R AMT FROM PROF PRAC OR TRADE - MAX
    LQ028           R AMT FROM PROF PRAC OR TRADE - RESULT
    LQ029           R INCOME FROM TIP BONUS COMMISSION - LCY
    LQ030           R AMOUNT FROM TIP BONUS COMMISSION LCY
    LQ031           R AMT FR TIP BONUS COMMISSION - MIN
    LQ032           R AMT FR TIP BONUS COMMISSION - MAX
    LQ033           R AMT FR TIP BONUS COMMISSION - RESULT
    LQ034           R OTHER INCOME FROM WORK 2ND JOB - LCY
    LQ035           R AMOUNT FROM WORK 2ND JOB LCY
    LQ036           R AMT FROM WORK 2ND JOB - MIN
    LQ037           R AMT FROM WORK 2ND JOB - MAX
    LQ038           R AMT FROM WORK 2ND JOB - RESULT
    LQ044           SP WAGES AND SALARY INCOME - LCY
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    LQ045           SP AMOUNT FROM WAGES AND SALARY LCY
    LQ046           SP AMT FROM WAGES AND SALARY - MIN
    LQ047           SP AMT FROM WAGES AND SALARY - MAX
    LQ048           SP AMT FROM WAGES AND SALARY - RESULT
    LQ049           SP INCOME FROM PROF PRAC TRADE - LCY
    LQ050           SP AMOUNT FROM PROF PRAC TRADE LCY
    LQ051           SP AMT FROM PROF PRAC TRADE - MIN
    LQ052           SP AMT FROM PROF PRAC TRADE - MAX
    LQ053           SP AMT FROM PROF PRAC TRADE - RESULT
    LQ054           SP INCOME FROM TIP BONUS COMMISS - LCY
    LQ055           SP AMOUNT FR TIP BONUS COMMISS LCY
    LQ056           SP AMT FR TIP BONUS COMMISS - MIN
    LQ057           SP AMT FR TIP BONUS COMMISS - MAX
    LQ058           SP AMT FR TIP BONUS COMMISS - RESULT
    LQ059           SP OTHER INC FROM WORK 2ND JOB - LCY
    LQ060           SP AMOUNT FROM WORK 2ND JOB LCY
    LQ061           SP AMT FROM WORK 2ND JOB - MIN
    LQ062           SP AMT FROM WORK 2ND JOB - MAX
    LQ063           SP AMT FROM WORK 2ND JOB - RESULT
HRS 2010:
    MQ019           R WAGES AND SALARY INCOME - LCY
    MQ020           R AMOUNT FROM WAGES AND SALARY LCY
    MQ021           R AMT FROM WAGES AND SALARY - MIN
    MQ022           R AMT FROM WAGES AND SALARY - MAX
    MQ023           R AMT FROM WAGES AND SALARY - RESULT
    MQ024           R INCOME FROM PROF PRAC OR TRADE - LCY
    MQ025           R AMOUNT FROM PROF PRAC OR TRADE LCY
    MQ026           R AMT FROM PROF PRAC OR TRADE - MIN
    MQ027           R AMT FROM PROF PRAC OR TRADE - MAX
    MQ028           R AMT FROM PROF PRAC OR TRADE - RESULT
    MQ029           R INCOME FROM TIP BONUS COMMISSION - LCY
    MQ030           R AMOUNT FROM TIP BONUS COMMISSION LCY
    MQ031           R AMT FR TIP BONUS COMMISSION - MIN
    MQ032           R AMT FR TIP BONUS COMMISSION - MAX
    MQ033           R AMT FR TIP BONUS COMMISSION - RESULT
    MQ034           R OTHER INCOME FROM WORK 2ND JOB - LCY
    MQ035           R AMOUNT FROM WORK 2ND JOB LCY
    MQ036           R AMT FROM WORK 2ND JOB - MIN
    MQ037           R AMT FROM WORK 2ND JOB - MAX
    MQ038           R AMT FROM WORK 2ND JOB - RESULT
    MQ044           SP WAGES AND SALARY INCOME - LCY
    MQ045           SP AMOUNT FROM WAGES AND SALARY LCY
    MQ046           SP AMT FROM WAGES AND SALARY - MIN
    MQ047           SP AMT FROM WAGES AND SALARY - MAX
    MQ048           SP AMT FROM WAGES AND SALARY - RESULT
    MQ049           SP INCOME FROM PROF PRAC TRADE - LCY
    MQ050           SP AMOUNT FROM PROF PRAC TRADE LCY
    MQ051           SP AMT FROM PROF PRAC TRADE - MIN
    MQ052           SP AMT FROM PROF PRAC TRADE - MAX
    MQ053           SP AMT FROM PROF PRAC TRADE - RESULT
    MQ054           SP INCOME FROM TIP BONUS COMMISS - LCY
    MQ055           SP AMOUNT FR TIP BONUS COMMISS LCY
    MQ056           SP AMT FR TIP BONUS COMMISS - MIN
    MQ057           SP AMT FR TIP BONUS COMMISS - MAX
    MQ058           SP AMT FR TIP BONUS COMMISS - RESULT
    MQ059           SP OTHER INC FROM WORK 2ND JOB - LCY
    MQ060           SP AMOUNT FROM WORK 2ND JOB LCY
    MQ061           SP AMT FROM WORK 2ND JOB - MIN
    MQ062           SP AMT FROM WORK 2ND JOB - MAX
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    MQ063           SP AMT FROM WORK 2ND JOB - RESULT
HRS 2012:
    NQ019           R WAGES AND SALARY INCOME - LCY
    NQ020           R AMOUNT FROM WAGES AND SALARY LCY
    NQ021           R AMT FROM WAGES AND SALARY - MIN
    NQ022           R AMT FROM WAGES AND SALARY - MAX
    NQ023           R AMT FROM WAGES AND SALARY - RESULT
    NQ024           R INCOME FROM PROF PRAC OR TRADE - LCY
    NQ025           R AMOUNT FROM PROF PRAC OR TRADE LCY
    NQ026           R AMT FROM PROF PRAC OR TRADE - MIN
    NQ027           R AMT FROM PROF PRAC OR TRADE - MAX
    NQ028           R AMT FROM PROF PRAC OR TRADE - RESULT
    NQ029           R INCOME FROM TIP BONUS COMMISSION - LCY
    NQ030           R AMOUNT FROM TIP BONUS COMMISSION LCY
    NQ031           R AMT FR TIP BONUS COMMISSION - MIN
    NQ032           R AMT FR TIP BONUS COMMISSION - MAX
    NQ033           R AMT FR TIP BONUS COMMISSION - RESULT
    NQ034           R OTHER INCOME FROM WORK 2ND JOB - LCY
    NQ035           R AMOUNT FROM WORK 2ND JOB LCY
    NQ036           R AMT FROM WORK 2ND JOB - MIN
    NQ037           R AMT FROM WORK 2ND JOB - MAX
    NQ038           R AMT FROM WORK 2ND JOB - RESULT
    NQ044           SP WAGES AND SALARY INCOME - LCY
    NQ045           SP AMOUNT FROM WAGES AND SALARY LCY
    NQ046           SP AMT FROM WAGES AND SALARY - MIN
    NQ047           SP AMT FROM WAGES AND SALARY - MAX
    NQ048           SP AMT FROM WAGES AND SALARY - RESULT
    NQ049           SP INCOME FROM PROF PRAC TRADE - LCY
    NQ050           SP AMOUNT FROM PROF PRAC TRADE LCY
    NQ051           SP AMT FROM PROF PRAC TRADE - MIN
    NQ052           SP AMT FROM PROF PRAC TRADE - MAX
    NQ053           SP AMT FROM PROF PRAC TRADE - RESULT
    NQ054           SP INCOME FROM TIP BONUS COMMISS - LCY
    NQ055           SP AMOUNT FR TIP BONUS COMMISS LCY
    NQ056           SP AMT FR TIP BONUS COMMISS - MIN
    NQ057           SP AMT FR TIP BONUS COMMISS - MAX
    NQ058           SP AMT FR TIP BONUS COMMISS - RESULT
    NQ059           SP OTHER INC FROM WORK 2ND JOB - LCY
    NQ060           SP AMOUNT FROM WORK 2ND JOB LCY
    NQ061           SP AMT FROM WORK 2ND JOB - MIN
    NQ062           SP AMT FROM WORK 2ND JOB - MAX
    NQ063           SP AMT FROM WORK 2ND JOB - RESULT
HRS 2014:
    OQ019           R WAGES AND SALARY INCOME - LCY
    OQ020           R AMOUNT FROM WAGES AND SALARY LCY
    OQ021           R AMT FROM WAGES AND SALARY - MIN
    OQ022           R AMT FROM WAGES AND SALARY - MAX
    OQ023           R AMT FROM WAGES AND SALARY - RESULT
    OQ024           R INCOME FROM PROF PRAC OR TRADE - LCY
    OQ025           R AMOUNT FROM PROF PRAC OR TRADE LCY
    OQ026           R AMT FROM PROF PRAC OR TRADE - MIN
    OQ027           R AMT FROM PROF PRAC OR TRADE - MAX
    OQ028           R AMT FROM PROF PRAC OR TRADE - RESULT
    OQ029           R INCOME FROM TIP BONUS COMMISSION - LCY
    OQ030           R AMOUNT FROM TIP BONUS COMMISSION LCY
    OQ031           R AMT FR TIP BONUS COMMISSION - MIN
    OQ032           R AMT FR TIP BONUS COMMISSION - MAX
    OQ033           R AMT FR TIP BONUS COMMISSION - RESULT
    OQ034           R OTHER INCOME FROM WORK 2ND JOB - LCY
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    OQ035           R AMOUNT FROM WORK 2ND JOB LCY
    OQ036           R AMT FROM WORK 2ND JOB - MIN
    OQ037           R AMT FROM WORK 2ND JOB - MAX
    OQ038           R AMT FROM WORK 2ND JOB - RESULT
    OQ044           SP WAGES AND SALARY INCOME - LCY
    OQ045           SP AMOUNT FROM WAGES AND SALARY LCY
    OQ046           SP AMT FROM WAGES AND SALARY - MIN
    OQ047           SP AMT FROM WAGES AND SALARY - MAX
    OQ048           SP AMT FROM WAGES AND SALARY - RESULT
    OQ049           SP INCOME FROM PROF PRAC TRADE - LCY
    OQ050           SP AMOUNT FROM PROF PRAC TRADE LCY
    OQ051           SP AMT FROM PROF PRAC TRADE - MIN
    OQ052           SP AMT FROM PROF PRAC TRADE - MAX
    OQ053           SP AMT FROM PROF PRAC TRADE - RESULT
    OQ054           SP INCOME FROM TIP BONUS COMMISS - LCY
    OQ055           SP AMOUNT FR TIP BONUS COMMISS LCY
    OQ056           SP AMT FR TIP BONUS COMMISS - MIN
    OQ057           SP AMT FR TIP BONUS COMMISS - MAX
    OQ058           SP AMT FR TIP BONUS COMMISS - RESULT
    OQ059           SP OTHER INC FROM WORK 2ND JOB - LCY
    OQ060           SP AMOUNT FROM WORK 2ND JOB LCY
    OQ061           SP AMT FROM WORK 2ND JOB - MIN
    OQ062           SP AMT FROM WORK 2ND JOB - MAX
    OQ063           SP AMT FROM WORK 2ND JOB - RESULT
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    EFINR           1996 WHETHER FINANCIAL RESPONDENT
    FFINR           1998 WHETHER FINANCIAL RESPONDENT
    GFINR           2000 WHETHER FINANCIAL RESPONDENT
    HFINR           2002 WHETHER FINANCIAL RESPONDENT
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
```

Household Capital Income

Wave	Variable	Label	Type
1	H1ICAP	H1ICAP:W1 Income:Household Capital Income	Cont
2	H2ICAP	H2ICAP:W2 Income:Household Capital Income	Cont
3	H3ICAP	H3ICAP:W3 Income:Household Capital Income	Cont
4	H4ICAP	H4ICAP:W4 Income:Household Capital Income	Cont
5	H5ICAP	H5ICAP:W5 Income:Household Capital Income	Cont
6	H6ICAP	H6ICAP:W6 Income:Household Capital Income	Cont
7	H7ICAP	H7ICAP:W7 Income:Household Capital Income	Cont
8	H8ICAP	H8ICAP:W8 Income:Household Capital Income	Cont
9	H9ICAP	H9ICAP:W9 Income:Household Capital Income	Cont
10	H10ICAP	H10ICAP:W10 Income:Household Capital Income	Cont
11	H11ICAP	H11ICAP:W11 Income:Household Capital Income	Cont
12	H12ICAP	H12ICAP:W12 Income:Household Capital Income	Cont
1	H1IFCAP	H1IFCAP:W1 ImpFlag:Household Capital Inc	Categ
2	H2IFCAP	H2IFCAP:W2 ImpFlag:Household Capital Inc	Categ
3	H3IFCAP	H3IFCAP:W3 ImpFlag:Household Capital Inc	Categ
4	H4IFCAP	H4IFCAP:W4 ImpFlag:Household Capital Inc	Categ
5	H5IFCAP	H5IFCAP:W5 ImpFlag:Household Capital Inc	Categ
6	H6IFCAP	H6IFCAP:W6 ImpFlag:Household Capital Inc	Categ
7	H7IFCAP	H7IFCAP:W7 ImpFlag:Household Capital Inc	Categ
8	H8IFCAP	H8IFCAP:W8 ImpFlag:Household Capital Inc	Categ
9	H9IFCAP	H9IFCAP:W9 ImpFlag:Household Capital Inc	Categ
10	H10IFCAP	H10IFCAP:W10 ImpFlag:Household Capital Inc	Categ
11	H11IFCAP	H11IFCAP:W11 ImpFlag:Household Capital Inc	Categ
12	H12IFCAP	H12IFCAP:W12 ImpFlag:Household Capital Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ICAP	12652	5286.76	20672.26	0.0	515500.0
H2ICAP	19642	8260.30	45830.42	0.0	3215064.3
H3ICAP	17991	13063.69	48783.91	0.0	2944234.2
H4ICAP	21384	13406.13	89322.09	0.0	7797767.0
H5ICAP	19579	14016.79	55503.30	0.0	3365000.0
H6ICAP	18165	12677.47	72027.38	0.0	7334785.0
H7ICAP	20129	13555.74	63677.13	0.0	3536642.0
H8ICAP	18469	17491.93	279671.04	0.0	25360250.0
H9ICAP	17217	15445.02	64386.18	0.0	3000480.0
H10ICAP	22034	12098.82	56869.69	0.0	3001280.0
H11ICAP	20554	12881.23	68479.65	0.0	3663000.0
H12ICAP	18748	13991.53	87097.92	0.0	4052000.0
H1IFCAP	12652	0.68	1.03	0.0	9.0
H2IFCAP	19642	0.73	1.02	0.0	9.0
H3IFCAP	17991	1.22	1.05	0.0	9.0
H4IFCAP	21384	1.25	1.13	0.0	9.0
H5IFCAP	19579	1.22	1.06	0.0	9.0
H6IFCAP	18165	1.20	0.94	0.0	9.0
H7IFCAP	20129	1.13	1.00	0.0	9.0
H8IFCAP	18469	1.12	0.97	0.0	9.0
H9IFCAP	17217	1.08	1.00	0.0	9.0
H10IFCAP	22034	1.03	1.37	0.0	9.0
H11IFCAP	20554	0.88	1.10	0.0	9.0
H12IFCAP	18748	0.89	1.16	0.0	9.0

Categorical Variable Codes

Value	H1IFCAP	H2IFCAP	H3IFCAP	H4IFCAP	H5IFCAP	H6IFCAP	H7IFCAP
0.No income	6715	9829	4894	5841	5581	5382	6373
1.No imputations	3995	6223	5183	5853	5094	4057	5401
2.Some imputation	1847	3456	7788	9483	8767	8681	8266
9.No Fin Resp	95	134	126	207	137	45	89

Value	H8IFCAP	H9IFCAP	H10IFCAP	H11IFCAP	H12IFCAP
0.No income	5986	5774	8585	9019	8093
1.No imputations	4796	4738	7142	6143	5929
2.Some imputation	7622	6630	5889	5221	4527
9.No Fin Resp	65	75	418	171	199

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

HwICAP is the sum of household business or farm income, self-employment earnings, business income, gross rent, dividend and interest income, trust funds or royalties, and other asset income. In Waves 1 and 2H, gross rent is calculated from net rent minus rental expenses. HwIFCAP is a flag that indicates whether any components are imputed.

The components vary across waves because the survey questions ask about different components. From Wave 3-6, the components are the same, as is the case from Wave 7 forward. The components summed in each wave are:

H1ICAP sums income from business, rental, dividend and interest, and trust fund or royalties.

H2ICAP sums income from IRAs; stocks, bonds and other dividends; rental property; savings, CDs and other interest income; investment trusts; and other investment income.

H3ICAP sums income from self-employment, business, rental, stocks and mutual funds, bonds, CDs and treasury bills, checking and savings accounts, other assets, and trust fund or royalties.

H7ICAP contains the same components as those described for H3ICAP, the only difference being that income from trust funds or royalties was not asked about from Wave 7 forward.

For income from business, there is a question beginning in Wave 3H that asks whether this income was reported earlier in the interview. If yes, the amount from business income is still imputed (or kept if an amount is present) but is NOT included in HwICAP, as it is assumed to be double-reported, usually as self-employment income. It is important to note that this improvement is currently available from Wave 7 forward, and will be applied in future data releases to Wave 3H - Wave 6, where roughly 3.6% - 4.4% of households already reported business income earlier in the interview, depending on the wave.

The individual components: HwIBUSIN, HwIRNTIN, HwITRSIN, HwIDIVIN, HwIBNDIN, HwISTK, HwICHKIN, HwISAV, HwICDIN, RwIIRA, HwIOTHIx and RwISEMP and their imputation flags are available in the "RAND Income and Wealth Imputation File."

Because of the differences in the way income information was collected for the HRS and AHEAD samples in Wave 2, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For AHEAD entry cohort Respondents, H2IFBUSIN, H2IFSFEMP, H2IFRNTIN, H2IFRNTEX, H2IFDIVIN, and H2IFTRSIN are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort Respondents, R2IFIRA1, S2IFIRA1, R2IFIRA2, S2IFIRA2, R2IFSTK1, S2IFSTK1, R2IFSTK2, S2IFSTK2, R2IFSTK3, S2IFSTK3, H2IFSAV1, H2IFSAV2, H2IFSTK1, H2IFSTK2, H2IFRNT1, H2IFRNT2, H2IFTRS1, H2IFTRS2, H2IFOTHI4, and H2IFOTHI5 are set to .Q to indicate that the corresponding income components are not available in Wave 2H.

Cross Wave Differences in Original HRS Data

The components of household capital income vary across waves.

Income from self-employment is not asked in Waves 1 and 2A but is added in Wave 2H. In Wave 2H, if the Financial Respondent reported they (Respondent only) were self-employed in the last wave, then they are asked how much they received in 1993. Then the Financial Respondent is asked if they or their spouse has received any other income privately-held businesses, farms, professional practices, or partnerships owned or shared by the Respondent and spouse. As a result, if the spouse was self-employed last wave or if the Respondent is newly self-employed, they will skip the first question and so their self-employment income will be bundled with the business income.

From Wave 3 forward, self-employment income is reported for the Respondent and spouse separately. In Waves 1 and 2H, one question asks about total interest and dividend income. Beginning in Wave 3, the survey adds separate questions about interest from bonds, CDs or treasury bills, and checking, savings, or money market accounts. Also added in Wave 3 are questions about income from other assets.

Most income from assets from Wave 3 forward ask for an amount, how often received, and whether it is the same amount each period. If the same amount is not received each period, then the total amount received last calendar year is asked. If the same amount is received each period, then the amount is multiplied appropriately for the period to arrive at the total per year. Beginning in Wave 3, questions ask the income from assets immediately following questions on whether the asset is owned. If no asset is owned, then income from the asset is assumed to be zero. In Waves 1 and 2, income from assets questions are asked in a completely different section of the interview.

From Wave 2H forward, with the exception of trust fund income, if the Respondent refuses or does not know the value of an income component a series of unfolding bracket questions are asked. The bracket amounts for income from business, rent, and dividends or interest change from Wave 2H to 3. The entry points for some components vary across waves. In Waves 1 and 2A, no unfolding bracket questions are asked.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income." After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive income from stocks?).

In Wave 2A, Financial Respondents are asked the following questions about their own income and then are asked about their spouse's income:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of an income like pensions or stocks. Besides pensions and annuities, other waves allow only one reported amount for most income categories, so that a Respondent would give a total of all dividend income received.

Financial Respondents are then asked the following questions about their household income:

a) "(Aside from anything you have already told me about,) Do you (or your (husband/wife/partner)) receive any income from financial investments like savings accounts, CDs, stocks and bonds, rental property, or investment trusts?"

b) "What do you receive the largest income from?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.SAVINGS ACCOUNTS/CDs/INTEREST

2.STOCKS OR BONDS/DIVIDENDS

3.RENTAL PROPERTY

4.INVESTMENT TRUSTS

5.RELATIVE

7.OTHER

8.DK

9.RF

This set of questions is repeated once so that Respondents can report up to 2 current household investment incomes. Then they are asked:

a) "Did you (or your (husband/wife/partner)) receive any income from savings or investments in [last calendar year] that you no longer receive?"

b) "What did you receive that income from?"

So there are a total of 3 household investment incomes that can be reported. Categories may be specified more than once, and there are up to 2 different instances of an income like savings.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

Resulting Wave 2A Household Capital Income components:

Respondent/Spouse or Partner (R/S)

IRA1-2

STK1-3

Household (H)

SAV1-2

STK1-2

RNT1-2

TRS1-2

OTHI4-5

In Wave 6, the introductory question wording for real estate ownership differs from previous waves. Up until Wave 6, the question reads:

"Do you (or your husband/or your wife/or your partner/...) have any real estate (other than your main home or second home), such as land, rental real estate, a partnership, or money owed to you on a land contract or mortgage?"

The new question wording is as follows:

"Do you and (your (husband/wife/partner)) have any real estate (other than your main home or second home/other than your main home/other than your second home,) such as land, rental real estate, or money owed to you on a land contract or mortgage? Please do not include business or farm real estate."

From Wave 7 forward, income from trust funds or royalties was not asked about. Therefore, this type of income is not included amongst the components that are used to derive household capital income.

For AHEAD Respondents in Wave 2A, the income components corresponding to imputation flags H2IFBUSIN, H2IFSFEMP, H2IFRNTIN, H2IFRNTEX, H2IFDIVIN, and H2IFTRSIN are not available.

For HRS Respondents in Wave 2H, the income components corresponding to imputation flags R2IFIRA1, S2IFIRA1, R2IFIRA2, S2IFIRA2, R2IFSTK1, S2IFSTK1, R2IFSTK2, S2IFSTK2, R2IFSTK3, S2IFSTK3, H2IFSAV1, H2IFSAV2, H2IFSTK1, H2IFSTK2, H2IFRNT1, H2IFRNT2, H2IFTRS1, H2IFTRS2, H2IFOTHI4, and H2IFOTHI5 are not available.

HRS Variables Used

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HRS 1992:
    V15904          N38A:OTHR INCME:FARM:IND
    V15905          N39A:OTHR INC   AMT :IND
    V15906          N38B:OTHR INCME:RENT:IND
    V15907          N39B:OTHR INCME AMT :IND
    V15908          N40B:OTHER INCME NET:IND
    V15909          N40B:OTHR INCME EXP :IND
    V15910          N38C:OTHR INCME:INTE:IND
    V15911          N39C:OTHR INCME AMT :IND
    V15912          N38D:OTHR INCME:TRST:IND
    V15913          N39D:OTHR INCME AMT :IND
    V5904           N38A:OTHR INCME:FARM:IMP
    V5905           N39A:OTHR INCME:  AM:IMP
    V5906           N38B:OTHR INCME:RENT:IMP
    V5907           N39B:OTHR INCME:  AM:IMP
    V5908           N40B:OTHR INCME:NET :IMP
    V5909           N40Bb:OTHR INCM:  EX:IMP
    V5910           N38C:OTHR INCME:INTE:IMP
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    V5911           N39C:OTHR INCME:  AM:IMP
    V5912           N38D:OTHR INCME:TRST:IMP
    V5913           N39D:OTHR INCME:  AM:IMP
AHEAD 1993:
    B1456           J19. R REG INC: RECEIVE ANY
    B1457           J20-1. R REG INC: TYPE-1
    B1458           J21-1. R REG INC: PAID PER MONTH-1
    B1459           J21b-1. R REG INC: $ PERIOD-1
    B1460           J21c-1. R REG INC: $ LAST PERIOD-1
    B1462           J21e-1. R REG INC: START >2YRS AGO-1
    B1463           J21f-1. R REG INC: START MONTH-1
    B1473           J26-1. R REG INC: ANY OTHER-1
    B1475           J20-2. R REG INC: TYPE-2
    B1476           J21-2. R REG INC: PAID PER MONTH-2
    B1477           J21b-2. R REG INC: $ PERIOD-2
    B1478           J21c-2. R REG INC: $ LAST PERIOD-2
    B1479           J21d-2. R REG INC: FED INC TAXED-2
    B1480           J21e-2. R REG INC: START >2YRS AGO-2
    B1481           J21f-2. R REG INC: START MONTH-2
    B1482           J21g-2. R REG INC: START YEAR-2
    B1491           J26-2. R REG INC: ANY OTHER-2
    B1492           J20-3. R REG INC: TYPE-3
    B1493           J21-3. R REG INC: PAID PER MONTH-3
    B1494           J21b-3. R REG INC: $ PERIOD-3
    B1495           J21c-3. R REG INC: $ LAST PERIOD-3
    B1496           J21d-3. R REG INC: FED INC TAXED-3
    B1497           J21e-3. R REG INC: START >2YRS AGO-3
    B1498           J21f-3. R REG INC: START MONTH-3
    B1499           J21g-3. R REG INC: START YEAR-3
    B1508           J27. R REG INC: ANY END 1992/3
    B1509           J27a. R REG INC END1992/3: TYPE
    B1510           J28. R REG INC END 1992/3: PAID PER MO
    B1511           J28a. R REG INC END 1992/3: $ PERIOD
    B1512           J28b.R REG INC END1992/3:$ LAST PERIOD
    B1513           J28c. R REG INC END92/3: LAST MO RECD
    B1514           J28d. R REG INC END92/3: LAST YR RECD
    B1515           J29. SP REG INC: RECEIVE ANY
    B1517           J30-1. SP REG INC: TYPE-1
    B1518           J31-1. SP REG INC: PAID PER MONTH-1
    B1519           J31b-1. SP REG INC: $ PERIOD-1
    B1520           J31c-1. SP REG INC: $ LAST PERIOD-1
    B1521           J31d-1. SP REG INC: FED INC TAXED-1
    B1522           J31e-1. SP REG INC: START >2YRS AGO-1
    B1523           J31f-1. SP REG INC: START MONTH-1
    B1524           J31g-1. SP REG INC: START YEAR-1
    B1533           J36-1. SP REG INC: ANY OTHER-1
    B1539           J30-2. SP REG INC: TYPE-2
    B1540           J31-2. SP REG INC: PAID PER MONTH-2
    B1541           J31b-2. SP REG INC: $ PERIOD-2
    B1542           J31c-2. SP REG INC: $ LAST PERIOD-2
    B1543           J31d-2. SP REG INC: FED INC TAXED-2
    B1544           J31e-2. SP REG INC: START >2YRS AGO-2
    B1545           J31f-2. SP REG INC: START MONTH-2
    B1546           J31g-2. SP REG INC: START YEAR-2
    B1555           J36-2. SP REG INC: ANY OTHER-2
    B1560           J30-3. SP REG INC: TYPE-3
    B1561           J31-3. SP REG INC: PAID PER MONTH-3
    B1562           J31b-3. SP REG INC: $ PERIOD-3
    B1563           J31c-3. SP REG INC: $ LAST PERIOD-3
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    B1564           J31d-3. SP REG INC: FED INC TAXED-3
    B1565           J31e-3. SP REG INC: START >2YRS AGO-3
    B1566           J31f-3. SP REG INC: START MONTH-3
    B1567           J31g-3. SP REG INC: START YEAR-3
    B1576           J37. SP REG INC: ANY END 92/93
    B1577           J37a. SP REG INC END 92/93: TYPE
    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
    B1583           J40-1. INVEST INC: RECEIVE ANY-1
    B1584           J41-1. INVEST INC: TYPE-1
    B1585           J42-1. INVEST INC: $ PERIOD-1
    B1586           J42a-1. INVEST INC: $ LAST PERIOD-1
    B1587           J42b-1. INVEST INC: TOTAL $ PD 1992/3-1
    B1588           J42c-1. INVEST INC: 1992/3 $ PERIOD-1
    B1589           J40-2. INVEST INC: RECEIVE ANY-2
    B1590           J41-2. INVEST INC: TYPE-2
    B1591           J42-2. INVEST INC: $ PERIOD-2
    B1592           J42a-2. INVEST INC: $ LAST PERIOD-2
    B1593           J42b-2. INVEST INC: TOTAL $ PD 1992/3-2
    B1594           J42c-2. INVEST INC: 1992/3 $ PERIOD-2
    B1595           J43. INVEST INC: ANY END 1992/3
    B1596           J43a. INVEST INC END 1992/3: TYPE
    B1597           J43b. INVES INC END 92/3: LAST MO RECD-1
    B1598           J43c. INVES INC END 92/3: LAST YR RECD-2
    B1599           J43d. INVEST INC END1992/3: $ LAST MO
HRS 1994:
    W15900          N1. Imputation flag
    W15901          N1a. Imputation flag
    W15906          N2. Imputation flag
    W15907          N2a. Imputation flag
    W16287          N28a. Imputation flag
    W16288          N29a1. Imputation flag
    W16295          N28b. Imputation flag
    W16296          N29b1. Imputation flag
    W16301          N28c. Imputation flag
    W16302          N29c1. Imputation flag
    W5900           N1.SELF-EMPLOYMENT INCOM
    W5901           N1a.AMOUNT SELF-EMPLOYME
    W5902           N1a1. Brackets
    W5906           N2.INCOME FROM BUSINESS/
    W5907           N2a.AMOUNT BUSINESS INCO
    W5908           N2a1. Brackets
    W6287           N28a.RENTAL INCOME IN 19
    W6288           N29a1.AMT RENTAL INCOME
    W6289           N29a1. Brackets
    W6293           N29-x1.BEFORE/AFTER EXPE
    W6294           N29-x2.EXPENSES IN 1993
    W6295           N28b.DIVIDEND/INTEREST I
    W6296           N29b1.AMOUNT DIVIDEND/IN
    W6297           N29b1. Brackets
    W6301           N28c.INCOME FROM TRUST F
    W6302           N29c1.AMT TRUST FUND/ROY
AHEAD 1995:
    D3983           J16.RENTAL INCOME
    D3984           J16A.RENTAL OFTEN PAID
    D3985           J16B.RENTAL RECEIVE $ PERIOD
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D3986	J16BA.RENTAL RECEIVE SAME AMOUNT
D3987	J16C.RENTAL RECEIVE $ LCYEAR
D3989	J16E.RENTAL INCOME DK-1
D3990	J16F.RENTAL INC DK-2
D3991	J16G.RENTAL INC DK-3
D3992	J16H.RENTAL INC DK-4
D4024	J19.BUSINESS INCOME
D4025	J19A.BUSINESS INC OFTEN PAID
D4026	J19B.BUSINESS INC RECEIVE $ PERIOD
D4027	J19C.BUSINESS INC SAME
D4029	J19D.BUS/FARM INCOME $ LCYEAR
D4030	J19E.BUSINESS INCOME DK-1
D4031	J19F.BUSINESS INC DK-2
D4032	J19G.BUSINESS INC DK-3
D4033	J19H.BUSINESS INC DK-4
D4357	J38.STOCKS INCOME
D4358	J38A.STOCK INC OFTEN
D4359	J38B.STOCK INCOME $ PERIOD
D4361	J38D.STOCK INCOME LCY
D4363	J38E.STOCK INCOME DK-1
D4364	J38F.STOCK INC DK-2
D4365	J38G.STOCK INC DK-3
D4400	J42.BONDS INCOME
D4401	J42A.BOND INC OFTEN
D4402	J42B.BOND INCOME $ PERIOD
D4403	J42C.BOND INCOME SAME
D4404	J42D.BOND INCOME LCY
D4406	J42E.BOND INCOME DK-1
D4407	J42F.BOND INC DK-2
D4408	J42G.BOND INC DK-3
D4440	J45.CHECKING, SAVINGS INCOME
D4441	J45A.CHECKING INC OFTEN
D4442	J45B.CHECKING INCOME $ PERIOD
D4443	J45C.CHECKING INCOME SAME
D4444	J45D.SAVINGS INTEREST LCY
D4445	J45E.CHECKING, SAVING INCOME DK-1
D4446	J45F.CHECKING, SAVING INC DK-2
D4447	J45G.CHECKING, SAVING INC DK-3
D4482	J49.CDS INCOME
D4483	J49A.CD INC OFTEN
D4484	J49B.CD INCOME $ PERIOD
D4485	J49C.CD INCOME SAME
D4486	J49D.CD INCOME LCY
D4488	J49E.CD INCOME DK-1
D4489	J49F.CD INC DK-2
D4490	J49G.CD INC DK-3
D4517	J54.OTHER ASSETS INCOME
D4518	J55.OTHER ASSETS INCOME $
D4519	J55A.J55-DK 1
D4520	J55B.J55-DK 2
D4521	J55C.J55 DK-3
D4522	J55D.J55-DK 4
D4523	J55E.J55 DK-5
D4524	J55F.J55-DK 6
D4534_1	J57A.R EARNINGS SELF EMP
D4536_1	J57B.R $ EARNINGS LCY
D4537_1	J57B.DK-1
D4538_1	J57C.DK-2
D4539_1	J57D.DK-3

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    D4540_1         J57E.REPORT PREVIOUS
    D4547_1         J58A.SP EARNINGS SELF EMP
    D4549_1         J58B.SP $ EARNINGS LCY
    D4550_1         J58B.DK-1
    D4551_1         J58C.DK-2
    D4552_1         J58D.DK-3
    D4562           J60.TRUST FUND INCOME
    D4563           J60A. TRUST FUNDS $ 1994
HRS 1996:
    E3871           J1.R OR SP WORK FOR PAY LCYEAR
    E3875           J5.R SELF-EMPLOYMENT LCYEAR
    E3876           J6. R SELF-EMPLOYMENT INCOME AMOUNT
    E3877           J6A.R $ SELF-EMPLOYMENT DK-10K
    E3878           J6B.R $ SELF-EMPLOYMENT DK-25K
    E3879           J6C.R $ SELF-EMPLOYMENT DK-100K
    E3880           J6D.R $ SELF-EMPLOYMENT DK-5K
    E3908           J13.SP SELF-EMPLOYMENT LCYEAR
    E3909           J14.SP HOW MUCH SELF-EMPLOYMENT
    E3910           J14A.SP $ SELF-EMPLOYMENT DK-10K
    E3911           J14B.SP $ SELF-EMPLOYMENT DK-25K
    E3912           J14C.SP $ SELF-EMPLOYMENT DK-100K
    E3913           J14D.SP $ SELF-EMPLOYMENT DK-5K
    E4070           J76.REAL ESTATE
    E4085           J78.RENTAL INCOME
    E4086           J79.RENTAL OFTEN PAID
    E4087           J80.RENTAL RECEIVE $ PERIOD
    E4088           J81.RENTAL RECEIVE SAME AMOUNT
    E4089           J82.RENTAL RECEIVE $ LCYEAR
    E4091           J82A.RENTAL RECEIVE $ LC_YR DK-50K
    E4092           J82B.RENTAL RECEIVE $ LC_YR DK-75K
    E4093           J82C.RENTAL RECEIVE $ LC_YR DK-25K
    E4096           J83.OWN BUSINESS OR FARM
    E4112           J85.BUSINESS INCOME
    E4113           J86.BUSINESS INC OFTEN PAID
    E4114           J87.BUSINESS INC RECEIVE $ PERIOD
    E4115           J88.BUSINESS INC SAME
    E4117           J89.BUS/FARM INCOME $ LCYEAR
    E4118           J89A.BUS/FARM INCOME $ LC_YR DK-20K
    E4119           J89B.BUS/FARM INCOME $ LC_YR DK-50K
    E4120           J89C.BUS/FARM INCOME $ LC_YR DK-5K
    E4121           J89D.BUS/FARM INCOME $ LC_YR DK-2K
    E4122           J89E.BUSINESS TELL EARLIER
    E4339           J207.STOCK ASSETS
    E4358           J209.STOCKS INCOME
    E4359           J210.STOCK INC OFTEN
    E4360           J211.STOCK INC RECEIVE $ PERIOD
    E4361           J212.STOCK INC SAME
    E4362           J213.STOCK INCOME $ LCYEAR
    E4364           J213A.STOCK INCOME $ LC_YR DK-5K
    E4365           J213B.STOCK INCOME $ LC_YR DK-2
    E4366           J213C.STOCK INCOME $ LC_YR DK-1K
    E4382           J215.BOND ASSETS
    E4401           J217.BONDS INCOME
    E4402           J218.BONDS INC OFTEN PAID
    E4403           J219.BONDS INC RECEIVE $ PERIOD
    E4404           J220.BONDS INC SAME
    E4405           J221.BOND INCOME $ LCYEAR
    E4407           J221A.BOND INCOME $ LC_YR DK-5K
    E4408           J221B.BOND INCOME $ LC_YR DK-20K
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    E4409           J221C.BOND INCOME $ LC_YR DK-1K
    E4425           J222.CHECKING,SAVING ASSETS
    E4441           J224.CHECKING, SAVINGS INCOME
    E4442           J225.CHECKING INC OFTEN
    E4443           J226.CHECKING INC RECEIVE $ PERIOD
    E4444           J227.CHECKING INC SAME
    E4445           J228.CHECKING INCOME $ LCYEAR
    E4446           J228A.CHKNG INCOME $ LC_YR DK-2
    E4447           J228B.CHKNG INCOME $ LC_YR DK-5K
    E4448           J228C.CHKNG INCOME $ LC_YR DK-1K
    E4464           J229.CD,TBILL ASSETS
    E4483           J232.CDS INCOME
    E4484           J233.CD INC OFTEN
    E4485           J234.CD INC RECEIVE $ PERIOD
    E4486           J235.CD INC SAME
    E4487           J236.CD INCOME $ LCYEAR
    E4489           J236A.CD INCOME $ LC_YR DK-2K
    E4490           J236B.CD INCOME $ LC_YR DK-5K
    E4491           J236C.CD INCOME $ LC_YR DK-1K
    E4513           J239.OTHER ASSETS
    E4515           J240A.OTHER ASSETS DK-50K
    E4519           J242.OTHER ASSETS INCOME $
    E4520           J242A.OTHER ASSETS INCOME $ DK-5K
    E4521           J242B.OTHER ASSETS INCOME $ DK-25K
    E4522           J242C.OTHER ASSETS INCOME $ DK-1K
    E4563           J244.TRUST FUND INCOME LCY
    E4564           J245.TRUST FUNDS $LCY
HRS 1998:
    F4633           J5.R SELF-EMPLOYMENT LCYEAR
    F4634           J6.R HOW MUCH SELF-EMPLOYMENT
    F4635           J6A.R DK-5K
    F4636           J6A.R DK-10,000
    F4637           J6B.R DK-25,000
    F4638           J6C.R DK-100,000
    F4639           J6B.R DK-10,000
    F4640           J6D.R DK-5,000
    F4669           J13.SP SELF-EMPLOYMENT LCYEAR
    F4670           J14.SP HOW MUCH SELF-EMPLOYMENT
    F4671           J14A.SP DK-10,000
    F4672           J14B.SP DK-25,000
    F4673           J14C.SP DK-100,000
    F4674           J14D.SP DK-5,000
    F4830           J76.REAL ESTATE
    F4845           J78.RENTAL INCOME
    F4846           J79.RENTAL OFTEN PAID
    F4847           J80.RENTAL RECEIVE $ PERIOD
    F4848           J81.RENTAL RECEIVE SAME AMOUNT
    F4849           J82.RENTAL RECEIVE $ LCYEAR
    F4851           J82A.RENTAL INCOME DK-50,000
    F4852           J82B.RENTAL INC DK-75,000
    F4853           J82C.RENTAL INC DK-25,000
    F4856           J83.BUSINESS
    F4872           J85.BUSINESS INCOME
    F4873           J86.BUSINESS INC OFTEN PAID
    F4874           J87.BUSINESS INC RECEIVE $ PERIOD
    F4875           J88.BUSINESS INC SAME
    F4877           J89.BUS/FARM INCOME $ LCYEAR
    F4878           J89A.BUSINESS INCOME DK-20,000
    F4879           J89B.BUSINESS INC DK-50,000
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    F4880           J89C.BUSINESS INC DK-5,000
    F4881           J89D.BUSINESS INC DK-2,000
    F4882           J89E.BUSINESS TELL EARLIER
    F5099           J207.STOCK ASSETS
    F5118           J209.STOCKS INCOME
    F5119           J210.STOCK INC OFTEN
    F5120           J211.STOCK INC RECEIVE $ PERIOD
    F5121           J212.STOCK INC SAME
    F5122           J213.STOCK INCOME $ LCYEAR
    F5124           J213A.STOCK INCOME DK-5K
    F5125           J213B.STOCK INC DK-25K
    F5126           J213C.STOCK INC DK-1K
    F5142           J215.BOND ASSETS
    F5161           J217.BONDS INCOME
    F5162           J218.BONDS INC OFTEN PAID
    F5163           J219.BONDS INC RECEIVE $ PERIOD
    F5164           J220.BONDS INC SAME
    F5165           J221.BOND INCOME $ LCYEAR
    F5167           J221A.BOND INCOME DK-5K
    F5168           J221B.BOND INC DK-20K
    F5169           J221C.BOND INC DK-1K
    F5185           J222.CHECKING, SAVING ASSETS
    F5201           J224.CHECKING, SAVINGS INCOME
    F5202           J225.CHECKING INC OFTEN
    F5203           J226.CHECKING INC RECEIVE $ PERIOD
    F5204           J227.CHECKING INC SAME
    F5205           J228.CHECKING INCOME $ LCYEAR
    F5206           J228A.CHECKING, SAVING INCOME DK-2
    F5207           J228B.CHECKING, SAVING INC DK-5K
    F5208           J228C.CHECKING, SAVING INC DK-1K
    F5224           J229.CD,TBILL ASSETS
    F5243           J232.CDS INCOME
    F5244           J233.CD INC OFTEN
    F5245           J234.CD INC RECEIVE $ PERIOD
    F5246           J235.CD INC SAME
    F5247           J236.CD INCOME $ LCYEAR
    F5249           J236A.CD INCOME DK-2K
    F5250           J236B.CD INC DK-5K
    F5251           J236C.CD INC DK-1K
    F5273           J239.OTHER ASSETS
    F5282           J241.OTHER ASSETS INCOME
    F5283           J242.OTHER ASSETS INCOME $
    F5284           J242A.DK-5K
    F5285           J242B.DK-25K
    F5286           J242C.DK-1K
    F5323           J244.TRUST FUND INCOME LCY
    F5324           J245.TRUST FUNDS $LCY
HRS 2000:
    G5072           J5.R SELF-EMPLOYMENT LCYEAR
    G5073           J6.R HOW MUCH SELF-EMPLOYMENT
    G5074           J6A.R DK-5K
    G5075           J6Y1A.R DK-10000
    G5076           J6B.R DK-25000
    G5077           J6C.R DK-100000
    G5078           J6Y1B.R DK-10000
    G5079           J6D.R DK-5000
    G5108           J13.SP SELF-EMPLOYMENT LCYEAR
    G5109           J14.SP HOW MUCH SELF-EMPLOYMENT
    G5110           J14A.SP DK-10000
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G5111	J14B.SP DK-25000
G5112	J14C.SP DK-100000
G5113	J14D.SP DK-5000
G5275	J76.REAL ESTATE
G5290	J78.RENTAL INCOME
G5291	J79.RENTAL OFTEN PAID
G5292	J80.RENTAL RECEIVE $ PERIOD
G5293	J81.RENTAL RECEIVE SAME AMOUNT
G5294	J82.RENTAL RECEIVE $ LCYEAR
G5296	J82A.RENTAL INCOME DK-50000
G5297	J82B.RENTAL INC DK-75000
G5298	J82C.RENTAL INC DK-25000
G5301	J83.BUSINESS
G5317	J85.BUSINESS INCOME
G5318	J86.BUSINESS INC OFTEN PAID
G5319	J87.BUSINESS INC RECEIVE $ PERIOD
G5320	J88.BUSINESS INC SAME
G5322	J89.BUS/FARM INCOME $ LCYEAR
G5323	J89A.BUSINESS INCOME DK-20000
G5324	J89B.BUSINESS INC DK-50000
G5325	J89C.BUSINESS INC DK-5000
G5326	J89D.BUSINESS INC DK-2000
G5327	J89E.BUSINESS TELL EARLIER
G5554	J207.STOCK ASSETS
G5568	J209.STOCKS INCOME
G5569	J210.STOCK INC OFTEN
G5570	J211.STOCK INC RECEIVE $ PERIOD
G5571	J212.STOCK INC SAME
G5572	J213.STOCK INCOME $ LCYEAR
G5574	J213A.STOCK INCOME DK-5K
G5575	J213B.STOCK INC DK-25K
G5576	J213C.STOCK INC DK-1K
G5587	J215.BOND ASSETS
G5602	J217.BONDS INCOME
G5603	J218.BONDS INC OFTEN PAID
G5604	J219.BONDS INC RECEIVE $ PERIOD
G5605	J220.BONDS INC SAME
G5606	J221.BOND INCOME $ LCYEAR
G5608	J221A. BOND INCOME DK-5K
G5609	J221B.BOND INC DK-20K
G5610	J221C.BOND INC DK-1K
G5620	J222.CHECKING-SAVING ASSETS
G5636	J224.CHECKING-SAVINGS INCOME
G5637	J225.CHECKING INC OFTEN
G5638	J226.CHECKING INC RECEIVE $ PERIOD
G5639	J227.CHECKING INC SAME
G5640	J228.CHECKING INCOME $ LCYEAR
G5641	J228A.CHECKING-SAVING INCOME DK-2K
G5642	J228B.CHECKING-SAVING INC DK-5K
G5643	J228C.CHECKING-SAVING INC DK-1K
G5650	J229.CD-TBILL ASSETS
G5664	J232.CDS INCOME
G5665	J233.CD INC OFTEN
G5666	J234.CD INC RECEIVE $ PERIOD
G5667	J235.CD INC SAME
G5668	J236.CD INCOME $ LCYEAR
G5670	J236A.CD INCOME DK-2K
G5671	J236B.CD INC DK-5K
G5672	J236C.CD INC DK-1K

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    G5694           J239.OTHER ASSETS
    G5703           J241.OTHER ASSETS INCOME
    G5704           J242.OTHER ASSETS INCOME $
    G5705           J242A.DK-5K
    G5706           J242B.DK-25K
    G5707           J242C.DK-1K
    G5717           J244.TRUST FUND INCOME LCY
    G5718           J245.TRUST FUNDS AMT RCV-LCY
HRS 2002:
    HQ014           R INCOME FROM WORK SELF EMPL - LCY
    HQ015           R AMOUNT FROM WORK SELF EMPL LCY
    HQ016           R INCOME FROM SELF EMPLOYMENT - MIN
    HQ017           R INCOME FROM SELF EMPLOYMENT - MAX
    HQ018           R INCOME FROM SELF EMPLOYMENT - RESULT
    HQ039           SP INCOME FROM SELF EMPLOYMENT - LCY
    HQ040           SP AMOUNT FROM SELF EMPL INCOME LCY
    HQ041           SP INC FROM SELF EMPL INC - MIN
    HQ042           SP INC FROM SELF EMPL INC - MAX
    HQ043           SP INC FROM SELF EMPL INC - RESULT
    HQ133           REAL ESTATE ASSET
    HQ138           RENTAL INCOME FROM THIS PROPERTY
    HQ139           RENTAL INCOME RECEIVE HOW OFTEN
    HQ141           RENTAL INCOME AMOUNT LAST PERIOD
    HQ142           RENTAL INC SAME AMOUNT PER PERIOD
    HQ143           RENTAL INCOME AMOUNT - LCY
    HQ144           RENTAL INCOME AMT - MIN
    HQ145           RENTAL INCOME AMT - MAX
    HQ146           RENTAL INCOME AMT - RESULT
    HQ147           BUSINESS OR FARM ASSETS
    HQ152           BUSINESS OR FARM INCOME
    HQ153           BUSINESS OR FARM INC RECEIVE HOW OFTEN
    HQ155           BUSINESS OR FARM INC AMT LAST PERIOD
    HQ156           BUSINESS OR FARM INC SAME AMT PER PERIOD
    HQ157           BUSINESS OR FARM INC - LCY
    HQ158           BUSINESS OR FARM INC - MIN
    HQ159           BUSINESS OR FARM INC - MAX
    HQ160           BUSINESS OR FARM INC - RESULT
    HQ161           BUSINESS INC REPORTED EARLIER IN IW
    HQ316           STOCK AND STOCK MUTUAL FUNDS
    HQ321           STOCK INCOME
    HQ322           STOCK INCOME HOW OFTEN
    HQ324           STOCK INCOME AMOUNT LAST PERIOD
    HQ325           STOCK INCOME AMOUNT SAME PER PERIOD
    HQ326           STOCK INCOME AMOUNT - LCY
    HQ327           STOCK INCOME AMOUNT - MIN
    HQ328           STOCK INCOME AMOUNT - MAX
    HQ329           STOCK INCOME AMOUNT - RESULT
    HQ330           BOND ASSETS
    HQ335           BOND ASSET INTEREST INCOME
    HQ336           BOND INCOME HOW OFTEN
    HQ338           BOND INCOME AMOUNT LAST PERIOD
    HQ339           BOND INCOME AMOUNT SAME PER PERIOD
    HQ340           BOND INCOME AMOUNT - LCY
    HQ341           BOND INCOME AMOUNT - MIN
    HQ342           BOND INCOME AMOUNT - MAX
    HQ343           BOND INCOME AMOUNT - RESULT
    HQ344           CHECKING SAVINGS MARKET FUNDS
    HQ349           CHECKING INTEREST INCOME
    HQ350           CHECKING INCOME HOW OFTEN
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    HQ352           CHECKING INCOME LAST PERIOD
    HQ353           CHECKING INCOME PER PERIOD
    HQ354           CHECKING INCOME AMOUNT - LCY
    HQ356           CDS GOVT SAVINGS TBILLS
    HQ361           CDS INTEREST INCOME
    HQ362           CDS INCOME HOW OFTEN
    HQ364           CDS INCOME LAST PERIOD
    HQ365           CDS INCOME SAME PER PERIOD
    HQ366           CDS INCOME AMOUNT - LCY
    HQ367           CDS INCOME AMOUNT - MIN
    HQ368           CDS INCOME AMOUNT - MAX
    HQ369           CDS INCOME AMOUNT - RESULT
    HQ375           OTHER ASSETS
    HQ380           OTHER ASSET INCOME
    HQ381           OTHER ASSET INCOME AMOUNT
    HQ382           OTHER ASSET INCOME - MIN
    HQ383           OTHER ASSET INCOME - MAX
    HQ384           OTHER ASSET INCOME - RESULT
    HQ385           TRUST OR ROYALTIES INCOME
    HQ386           TRUSTS INCOME AMOUNT - LCY
    HQ494           CHECKING INCOME - MIN
    HQ495           CHECKING INCOME - MAX
    HQ496           CHECKING INCOME - RESULT
HRS 2004:
    JQ014           R INCOME FROM WORK SELF EMPL - LCY
    JQ015           R AMOUNT FROM WORK SELF EMPL LCY
    JQ016           R INCOME FROM SELF EMPLOYMENT - MIN
    JQ017           R INCOME FROM SELF EMPLOYMENT - MAX
    JQ018           R INCOME FROM SELF EMPLOYMENT - RESULT
    JQ039           SP INCOME FROM SELF EMPLOYMENT - LCY
    JQ040           SP AMOUNT FROM SELF EMPL INCOME LCY
    JQ041           SP INC FROM SELF EMPL INC - MIN
    JQ042           SP INC FROM SELF EMPL INC - MAX
    JQ043           SP INC FROM SELF EMPL INC - RESULT
    JQ133           REAL ESTATE ASSET
    JQ138           RENTAL INCOME FROM THIS PROPERTY
    JQ139           RENTAL INCOME RECEIVE HOW OFTEN
    JQ141           RENTAL INCOME AMOUNT LAST PERIOD
    JQ142           RENTAL INC SAME AMOUNT PER PERIOD
    JQ143           RENTAL INCOME AMOUNT - LCY
    JQ144           RENTAL INCOME AMT - MIN
    JQ145           RENTAL INCOME AMT - MAX
    JQ146           RENTAL INCOME AMT - RESULT
    JQ147           BUSINESS OR FARM ASSETS
    JQ152           BUSINESS OR FARM INCOME
    JQ153           BUSINESS OR FARM INC RECEIVE HOW OFTEN
    JQ155           BUSINESS OR FARM INC AMT LAST PERIOD
    JQ156           BUSINESS OR FARM INC SAME AMT PER PERIOD
    JQ157           BUSINESS OR FARM INC - LCY
    JQ158           BUSINESS OR FARM INC - MIN
    JQ159           BUSINESS OR FARM INC - MAX
    JQ160           BUSINESS OR FARM INC - RESULT
    JQ161           BUSINESS INC REPORTED EARLIER IN IW
    JQ316           STOCK AND STOCK MUTUAL FUNDS
    JQ321           STOCK INCOME
    JQ322           STOCK INCOME HOW OFTEN
    JQ324           STOCK INCOME AMOUNT LAST PERIOD
    JQ325           STOCK INCOME AMOUNT SAME PER PERIOD
    JQ326           STOCK INCOME AMOUNT - LCY
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    JQ327           STOCK INCOME AMOUNT - MIN
    JQ328           STOCK INCOME AMOUNT - MAX
    JQ329           STOCK INCOME AMOUNT - RESULT
    JQ330           BOND ASSETS
    JQ335           BOND ASSET INTEREST INCOME
    JQ336           BOND INCOME HOW OFTEN
    JQ338           BOND INCOME AMOUNT LAST PERIOD
    JQ339           BOND INCOME AMOUNT SAME PER PERIOD
    JQ340           BOND INCOME AMOUNT - LCY
    JQ341           BOND INCOME AMOUNT - MIN
    JQ342           BOND INCOME AMOUNT - MAX
    JQ343           BOND INCOME AMOUNT - RESULT
    JQ344           CHECKING SAVINGS MARKET FUNDS
    JQ349           CHECKING INTEREST INCOME
    JQ350           CHECKING INCOME HOW OFTEN
    JQ352           CHECKING INCOME LAST PERIOD
    JQ353           CHECKING INCOME PER PERIOD
    JQ354           CHECKING INCOME AMOUNT - LCY
    JQ356           CDS GOVT SAVINGS TBILLS
    JQ361           CDS INTEREST INCOME
    JQ362           CDS INCOME HOW OFTEN
    JQ364           CDS INCOME LAST PERIOD
    JQ365           CDS INCOME SAME PER PERIOD
    JQ366           CDS INCOME AMOUNT - LCY
    JQ367           CDS INCOME AMOUNT - MIN
    JQ368           CDS INCOME AMOUNT - MAX
    JQ369           CDS INCOME AMOUNT - RESULT
    JQ375           OTHER ASSETS
    JQ380           OTHER ASSET INCOME
    JQ381           OTHER ASSET INCOME AMOUNT
    JQ382           OTHER ASSET INCOME - MIN
    JQ383           OTHER ASSET INCOME - MAX
    JQ384           OTHER ASSET INCOME - RESULT
    JQ494           CHECKING INCOME - MIN
    JQ495           CHECKING INCOME - MAX
    JQ496           CHECKING INCOME - RESULT
HRS 2006:
    KQ014           R INCOME FROM WORK SELF EMPL - LCY
    KQ015           R AMOUNT FROM WORK SELF EMPL LCY
    KQ016           R INCOME FROM SELF EMPLOYMENT - MIN
    KQ017           R INCOME FROM SELF EMPLOYMENT - MAX
    KQ018           R INCOME FROM SELF EMPLOYMENT - RESULT
    KQ039           SP INCOME FROM SELF EMPLOYMENT - LCY
    KQ040           SP AMOUNT FROM SELF EMPL INCOME LCY
    KQ041           SP INC FROM SELF EMPL INC - MIN
    KQ042           SP INC FROM SELF EMPL INC - MAX
    KQ043           SP INC FROM SELF EMPL INC - RESULT
    KQ133           REAL ESTATE ASSET
    KQ138           RENTAL INCOME FROM THIS PROPERTY
    KQ139           RENTAL INCOME RECEIVE HOW OFTEN
    KQ141           RENTAL INCOME AMOUNT LAST PERIOD
    KQ142           RENTAL INC SAME AMOUNT PER PERIOD
    KQ143           RENTAL INCOME AMOUNT - LCY
    KQ144           RENTAL INCOME AMT - MIN
    KQ145           RENTAL INCOME AMT - MAX
    KQ146           RENTAL INCOME AMT - RESULT
    KQ147           BUSINESS OR FARM ASSETS
    KQ152           BUSINESS OR FARM INCOME
    KQ153           BUSINESS OR FARM INC RECEIVE HOW OFTEN
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    KQ155           BUSINESS OR FARM INC AMT LAST PERIOD
    KQ156           BUSINESS OR FARM INC SAME AMT PER PERIOD
    KQ157           BUSINESS OR FARM INC - LCY
    KQ158           BUSINESS OR FARM INC - MIN
    KQ159           BUSINESS OR FARM INC - MAX
    KQ160           BUSINESS OR FARM INC - RESULT
    KQ161           BUSINESS INC REPORTED EARLIER IN IW
    KQ316           STOCK AND STOCK MUTUAL FUNDS
    KQ321           STOCK INCOME
    KQ322           STOCK INCOME HOW OFTEN
    KQ324           STOCK INCOME AMOUNT LAST PERIOD
    KQ325           STOCK INCOME AMOUNT SAME PER PERIOD
    KQ326           STOCK INCOME AMOUNT - LCY
    KQ327           STOCK INCOME AMOUNT - MIN
    KQ328           STOCK INCOME AMOUNT - MAX
    KQ329           STOCK INCOME AMOUNT - RESULT
    KQ330           BOND ASSETS
    KQ335           BOND ASSET INTEREST INCOME
    KQ336           BOND INCOME HOW OFTEN
    KQ338           BOND INCOME AMOUNT LAST PERIOD
    KQ339           BOND INCOME AMOUNT SAME PER PERIOD
    KQ340           BOND INCOME AMOUNT - LCY
    KQ341           BOND INCOME AMOUNT - MIN
    KQ342           BOND INCOME AMOUNT - MAX
    KQ343           BOND INCOME AMOUNT - RESULT
    KQ344           CHECKING SAVINGS MARKET FUNDS
    KQ349           CHECKING INTEREST INCOME
    KQ350           CHECKING INCOME HOW OFTEN
    KQ352           CHECKING INCOME LAST PERIOD
    KQ353           CHECKING INCOME PER PERIOD
    KQ354           CHECKING INCOME AMOUNT - LCY
    KQ356           CDS GOVT SAVINGS TBILLS
    KQ361           CDS INTEREST INCOME
    KQ362           CDS INCOME HOW OFTEN
    KQ364           CDS INCOME LAST PERIOD
    KQ365           CDS INCOME SAME PER PERIOD
    KQ366           CDS INCOME AMOUNT - LCY
    KQ367           CDS INCOME AMOUNT - MIN
    KQ368           CDS INCOME AMOUNT - MAX
    KQ369           CDS INCOME AMOUNT - RESULT
    KQ375           OTHER ASSETS
    KQ380           OTHER ASSET INCOME
    KQ381           OTHER ASSET INCOME AMOUNT
    KQ382           OTHER ASSET INCOME - MIN
    KQ383           OTHER ASSET INCOME - MAX
    KQ384           OTHER ASSET INCOME - RESULT
    KQ494           CHECKING INCOME - MIN
    KQ495           CHECKING INCOME - MAX
    KQ496           CHECKING INCOME - RESULT
HRS 2008:
    LQ014           R INCOME FROM WORK SELF EMPL - LCY
    LQ015           R AMOUNT FROM WORK SELF EMPL LCY
    LQ016           R INCOME FROM SELF EMPLOYMENT - MIN
    LQ017           R INCOME FROM SELF EMPLOYMENT - MAX
    LQ018           R INCOME FROM SELF EMPLOYMENT - RESULT
    LQ039           SP INCOME FROM SELF EMPLOYMENT - LCY
    LQ040           SP AMOUNT FROM SELF EMPL INCOME LCY
    LQ041           SP INC FROM SELF EMPL INC - MIN
    LQ042           SP INC FROM SELF EMPL INC - MAX
```

LQ043	SP INC FROM SELF EMPL INC - RESULT
LQ133	REAL ESTATE ASSET
LQ138	RENTAL INCOME FROM THIS PROPERTY
LQ139	RENTAL INCOME RECEIVE HOW OFTEN
LQ141	RENTAL INCOME AMOUNT LAST PERIOD
LQ142	RENTAL INC SAME AMOUNT PER PERIOD
LQ143	RENTAL INCOME AMOUNT - LCY
LQ144	RENTAL INCOME AMT - MIN
LQ145	RENTAL INCOME AMT - MAX
LQ146	RENTAL INCOME AMT - RESULT
LQ147	BUSINESS OR FARM ASSETS
LQ152	BUSINESS OR FARM INCOME
LQ153	BUSINESS OR FARM INC RECEIVE HOW OFTEN
LQ155	BUSINESS OR FARM INC AMT LAST PERIOD
LQ156	BUSINESS OR FARM INC SAME AMT PER PERIOD
LQ157	BUSINESS OR FARM INC - LCY
LQ158	BUSINESS OR FARM INC - MIN
LQ159	BUSINESS OR FARM INC - MAX
LQ160	BUSINESS OR FARM INC - RESULT
LQ161	BUSINESS INC REPORTED EARLIER IN IW
LQ316	STOCK AND STOCK MUTUAL FUNDS
LQ321	STOCK INCOME
LQ322	STOCK INCOME HOW OFTEN
LQ324	STOCK INCOME AMOUNT LAST PERIOD
LQ325	STOCK INCOME AMOUNT SAME PER PERIOD
LQ326	STOCK INCOME AMOUNT - LCY
LQ327	STOCK INCOME AMOUNT - MIN
LQ328	STOCK INCOME AMOUNT - MAX
LQ329	STOCK INCOME AMOUNT - RESULT
LQ330	BOND ASSETS
LQ335	BOND ASSET INTEREST INCOME
LQ336	BOND INCOME HOW OFTEN
LQ338	BOND INCOME AMOUNT LAST PERIOD
LQ339	BOND INCOME AMOUNT SAME PER PERIOD
LQ340	BOND INCOME AMOUNT - LCY
LQ341	BOND INCOME AMOUNT - MIN
LQ342	BOND INCOME AMOUNT - MAX
LQ343	BOND INCOME AMOUNT - RESULT
LQ344	CHECKING SAVINGS MARKET FUNDS
LQ349	CHECKING INTEREST INCOME
LQ350	CHECKING INCOME HOW OFTEN
LQ352	CHECKING INCOME LAST PERIOD
LQ353	CHECKING INCOME PER PERIOD
LQ354	CHECKING INCOME AMOUNT - LCY
LQ356	CDS GOVT SAVINGS TBILLS
LQ361	CDS INTEREST INCOME
LQ362	CDS INCOME HOW OFTEN
LQ364	CDS INCOME LAST PERIOD
LQ365	CDS INCOME SAME PER PERIOD
LQ366	CDS INCOME AMOUNT - LCY
LQ367	CDS INCOME AMOUNT - MIN
LQ368	CDS INCOME AMOUNT - MAX
LQ369	CDS INCOME AMOUNT - RESULT
LQ375	OTHER ASSETS
LQ380	OTHER ASSET INCOME
LQ381	OTHER ASSET INCOME AMOUNT
LQ382	OTHER ASSET INCOME - MIN
LQ383	OTHER ASSET INCOME - MAX
LQ384	OTHER ASSET INCOME - RESULT

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    LQ494           CHECKING INCOME - MIN
    LQ495           CHECKING INCOME - MAX
    LQ496           CHECKING INCOME - RESULT
HRS 2010:
    MQ014           R INCOME FROM WORK SELF EMPL - LCY
    MQ015           R AMOUNT FROM WORK SELF EMPL LCY
    MQ016           R INCOME FROM SELF EMPLOYMENT - MIN
    MQ017           R INCOME FROM SELF EMPLOYMENT - MAX
    MQ018           R INCOME FROM SELF EMPLOYMENT - RESULT
    MQ039           SP INCOME FROM SELF EMPLOYMENT - LCY
    MQ040           SP AMOUNT FROM SELF EMPL INCOME LCY
    MQ041           SP INC FROM SELF EMPL INC - MIN
    MQ042           SP INC FROM SELF EMPL INC - MAX
    MQ043           SP INC FROM SELF EMPL INC - RESULT
    MQ133           REAL ESTATE ASSET
    MQ138           RENTAL INCOME FROM THIS PROPERTY
    MQ139           RENTAL INCOME RECEIVE HOW OFTEN
    MQ141           RENTAL INCOME AMOUNT LAST PERIOD
    MQ142           RENTAL INC SAME AMOUNT PER PERIOD
    MQ143           RENTAL INCOME AMOUNT - LCY
    MQ144           RENTAL INCOME AMT - MIN
    MQ145           RENTAL INCOME AMT - MAX
    MQ146           RENTAL INCOME AMT - RESULT
    MQ147           BUSINESS OR FARM ASSETS
    MQ152           BUSINESS OR FARM INCOME
    MQ153           BUSINESS OR FARM INC RECEIVE HOW OFTEN
    MQ155           BUSINESS OR FARM INC AMT LAST PERIOD
    MQ156           BUSINESS OR FARM INC SAME AMT PER PERIOD
    MQ157           BUSINESS OR FARM INC - LCY
    MQ158           BUSINESS OR FARM INC - MIN
    MQ159           BUSINESS OR FARM INC - MAX
    MQ160           BUSINESS OR FARM INC - RESULT
    MQ161           BUSINESS INC REPORTED EARLIER IN IW
    MQ316           STOCK AND STOCK MUTUAL FUNDS
    MQ321           STOCK INCOME
    MQ322           STOCK INCOME HOW OFTEN
    MQ324           STOCK INCOME AMOUNT LAST PERIOD
    MQ325           STOCK INCOME AMOUNT SAME PER PERIOD
    MQ326           STOCK INCOME AMOUNT - LCY
    MQ327           STOCK INCOME AMOUNT - MIN
    MQ328           STOCK INCOME AMOUNT - MAX
    MQ329           STOCK INCOME AMOUNT - RESULT
    MQ330           BOND ASSETS
    MQ335           BOND ASSET INTEREST INCOME
    MQ336           BOND INCOME HOW OFTEN
    MQ338           BOND INCOME AMOUNT LAST PERIOD
    MQ339           BOND INCOME AMOUNT SAME PER PERIOD
    MQ340           BOND INCOME AMOUNT - LCY
    MQ341           BOND INCOME AMOUNT - MIN
    MQ342           BOND INCOME AMOUNT - MAX
    MQ343           BOND INCOME AMOUNT - RESULT
    MQ344           CHECKING SAVINGS MARKET FUNDS
    MQ349           CHECKING INTEREST INCOME
    MQ350           CHECKING INCOME HOW OFTEN
    MQ352           CHECKING INCOME LAST PERIOD
    MQ353           CHECKING INCOME PER PERIOD
    MQ354           CHECKING INCOME AMOUNT - LCY
    MQ356           CDS GOVT SAVINGS TBILLS
    MQ361           CDS INTEREST INCOME
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    MQ362           CDS INCOME HOW OFTEN
    MQ364           CDS INCOME LAST PERIOD
    MQ365           CDS INCOME SAME PER PERIOD
    MQ366           CDS INCOME AMOUNT - LCY
    MQ367           CDS INCOME AMOUNT - MIN
    MQ368           CDS INCOME AMOUNT - MAX
    MQ369           CDS INCOME AMOUNT - RESULT
    MQ375           OTHER ASSETS
    MQ380           OTHER ASSET INCOME
    MQ381           OTHER ASSET INCOME AMOUNT
    MQ382           OTHER ASSET INCOME - MIN
    MQ383           OTHER ASSET INCOME - MAX
    MQ384           OTHER ASSET INCOME - RESULT
    MQ494           CHECKING INCOME - MIN
    MQ495           CHECKING INCOME - MAX
    MQ496           CHECKING INCOME - RESULT
HRS 2012:
    NQ014           R INCOME FROM WORK SELF EMPL - LCY
    NQ015           R AMOUNT FROM WORK SELF EMPL LCY
    NQ016           R INCOME FROM SELF EMPLOYMENT - MIN
    NQ017           R INCOME FROM SELF EMPLOYMENT - MAX
    NQ018           R INCOME FROM SELF EMPLOYMENT - RESULT
    NQ039           SP INCOME FROM SELF EMPLOYMENT - LCY
    NQ040           SP AMOUNT FROM SELF EMPL INCOME LCY
    NQ041           SP INC FROM SELF EMPL INC - MIN
    NQ042           SP INC FROM SELF EMPL INC - MAX
    NQ043           SP INC FROM SELF EMPL INC - RESULT
    NQ133           REAL ESTATE ASSET
    NQ138           RENTAL INCOME FROM THIS PROPERTY
    NQ139           RENTAL INCOME RECEIVE HOW OFTEN
    NQ141           RENTAL INCOME AMOUNT LAST PERIOD
    NQ142           RENTAL INC SAME AMOUNT PER PERIOD
    NQ143           RENTAL INCOME AMOUNT - LCY
    NQ144           RENTAL INCOME AMT - MIN
    NQ145           RENTAL INCOME AMT - MAX
    NQ146           RENTAL INCOME AMT - RESULT
    NQ147           BUSINESS OR FARM ASSETS
    NQ152           BUSINESS OR FARM INCOME
    NQ153           BUSINESS OR FARM INC RECEIVE HOW OFTEN
    NQ155           BUSINESS OR FARM INC AMT LAST PERIOD
    NQ156           BUSINESS OR FARM INC SAME AMT PER PERIOD
    NQ157           BUSINESS OR FARM INC - LCY
    NQ158           BUSINESS OR FARM INC - MIN
    NQ159           BUSINESS OR FARM INC - MAX
    NQ160           BUSINESS OR FARM INC - RESULT
    NQ161           BUSINESS INC REPORTED EARLIER IN IW
    NQ316           STOCK AND STOCK MUTUAL FUNDS
    NQ321           STOCK INCOME
    NQ322           STOCK INCOME HOW OFTEN
    NQ324           STOCK INCOME AMOUNT LAST PERIOD
    NQ325           STOCK INCOME AMOUNT SAME PER PERIOD
    NQ326           STOCK INCOME AMOUNT - LCY
    NQ327           STOCK INCOME AMOUNT - MIN
    NQ328           STOCK INCOME AMOUNT - MAX
    NQ329           STOCK INCOME AMOUNT - RESULT
    NQ330           BOND ASSETS
    NQ335           BOND ASSET INTEREST INCOME
    NQ336           BOND INCOME HOW OFTEN
    NQ338           BOND INCOME AMOUNT LAST PERIOD
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    NQ339           BOND INCOME AMOUNT SAME PER PERIOD
    NQ340           BOND INCOME AMOUNT - LCY
    NQ341           BOND INCOME AMOUNT - MIN
    NQ342           BOND INCOME AMOUNT - MAX
    NQ343           BOND INCOME AMOUNT - RESULT
    NQ344           CHECKING SAVINGS MARKET FUNDS
    NQ349           CHECKING INTEREST INCOME
    NQ350           CHECKING INCOME HOW OFTEN
    NQ352           CHECKING INCOME LAST PERIOD
    NQ353           CHECKING INCOME PER PERIOD
    NQ354           CHECKING INCOME AMOUNT - LCY
    NQ356           CDS GOVT SAVINGS TBILLS
    NQ361           CDS INTEREST INCOME
    NQ362           CDS INCOME HOW OFTEN
    NQ364           CDS INCOME LAST PERIOD
    NQ365           CDS INCOME SAME PER PERIOD
    NQ366           CDS INCOME AMOUNT - LCY
    NQ367           CDS INCOME AMOUNT - MIN
    NQ368           CDS INCOME AMOUNT - MAX
    NQ369           CDS INCOME AMOUNT - RESULT
    NQ375           OTHER ASSETS
    NQ380           OTHER ASSET INCOME
    NQ381           OTHER ASSET INCOME AMOUNT
    NQ382           OTHER ASSET INCOME - MIN
    NQ383           OTHER ASSET INCOME - MAX
    NQ384           OTHER ASSET INCOME - RESULT
    NQ494           CHECKING INCOME - MIN
    NQ495           CHECKING INCOME - MAX
    NQ496           CHECKING INCOME - RESULT
HRS 2014:
    OQ014           R INCOME FROM WORK SELF EMPL - LCY
    OQ015           R AMOUNT FROM WORK SELF EMPL LCY
    OQ016           R INCOME FROM SELF EMPLOYMENT - MIN
    OQ017           R INCOME FROM SELF EMPLOYMENT - MAX
    OQ018           R INCOME FROM SELF EMPLOYMENT - RESULT
    OQ039           SP INCOME FROM SELF EMPLOYMENT - LCY
    OQ040           SP AMOUNT FROM SELF EMPL INCOME LCY
    OQ041           SP INC FROM SELF EMPL INC - MIN
    OQ042           SP INC FROM SELF EMPL INC - MAX
    OQ043           SP INC FROM SELF EMPL INC - RESULT
    OQ133           REAL ESTATE ASSET
    OQ138           RENTAL INCOME FROM THIS PROPERTY
    OQ139           RENTAL INCOME RECEIVE HOW OFTEN
    OQ141           RENTAL INCOME AMOUNT LAST PERIOD
    OQ142           RENTAL INC SAME AMOUNT PER PERIOD
    OQ143           RENTAL INCOME AMOUNT - LCY
    OQ144           RENTAL INCOME AMT - MIN
    OQ145           RENTAL INCOME AMT - MAX
    OQ146           RENTAL INCOME AMT - RESULT
    OQ147           BUSINESS OR FARM ASSETS
    OQ152           BUSINESS OR FARM INCOME
    OQ153           BUSINESS OR FARM INC RECEIVE HOW OFTEN
    OQ155           BUSINESS OR FARM INC AMT LAST PERIOD
    OQ156           BUSINESS OR FARM INC SAME AMT PER PERIOD
    OQ157           BUSINESS OR FARM INC - LCY
    OQ158           BUSINESS OR FARM INC - MIN
    OQ159           BUSINESS OR FARM INC - MAX
    OQ160           BUSINESS OR FARM INC - RESULT
    OQ161           BUSINESS INC REPORTED EARLIER IN IW
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OQ316	STOCK AND STOCK MUTUAL FUNDS
OQ321	STOCK INCOME
OQ322	STOCK INCOME HOW OFTEN
OQ324	STOCK INCOME AMOUNT LAST PERIOD
OQ325	STOCK INCOME AMOUNT SAME PER PERIOD
OQ326	STOCK INCOME AMOUNT - LCY
OQ327	STOCK INCOME AMOUNT - MIN
OQ328	STOCK INCOME AMOUNT - MAX
OQ329	STOCK INCOME AMOUNT - RESULT
OQ330	BOND ASSETS
OQ335	BOND ASSET INTEREST INCOME
OQ336	BOND INCOME HOW OFTEN
OQ338	BOND INCOME AMOUNT LAST PERIOD
OQ339	BOND INCOME AMOUNT SAME PER PERIOD
OQ340	BOND INCOME AMOUNT - LCY
OQ341	BOND INCOME AMOUNT - MIN
OQ342	BOND INCOME AMOUNT - MAX
OQ343	BOND INCOME AMOUNT - RESULT
OQ344	CHECKING SAVINGS MARKET FUNDS
OQ349	CHECKING INTEREST INCOME
OQ350	CHECKING INCOME HOW OFTEN
OQ352	CHECKING INCOME LAST PERIOD
OQ353	CHECKING INCOME PER PERIOD
OQ354	CHECKING INCOME AMOUNT - LCY
OQ356	CDS GOVT SAVINGS TBILLS
OQ361	CDS INTEREST INCOME
OQ362	CDS INCOME HOW OFTEN
OQ364	CDS INCOME LAST PERIOD
OQ365	CDS INCOME SAME PER PERIOD
OQ366	CDS INCOME AMOUNT - LCY
OQ367	CDS INCOME AMOUNT - MIN
OQ368	CDS INCOME AMOUNT - MAX
OQ369	CDS INCOME AMOUNT - RESULT
OQ375	OTHER ASSETS
OQ380	OTHER ASSET INCOME
OQ381	OTHER ASSET INCOME AMOUNT
OQ382	OTHER ASSET INCOME - MIN
OQ383	OTHER ASSET INCOME - MAX
OQ384	OTHER ASSET INCOME - RESULT
OQ494	CHECKING INCOME - MIN
OQ495	CHECKING INCOME - MAX
OQ496	CHECKING INCOME - RESULT

Individual Income from Employer Pension or Annuity

Wave	Variable	Label	Type
1	R1IPENA	R1IPENA:W1 Income:R Pension + Annuity	Cont
2	R2IPENA	R2IPENA:W2 Income:R Pension + Annuity	Cont
3	R3IPENA	R3IPENA:W3 Income:R Pension + Annuity	Cont
4	R4IPENA	R4IPENA:W4 Income:R Pension + Annuity	Cont
5	R5IPENA	R5IPENA:W5 Income:R Pension + Annuity	Cont
6	R6IPENA	R6IPENA:W6 Income:R Pension + Annuity	Cont
7	R7IPENA	R7IPENA:W7 Income:R Pension + Annuity	Cont
8	R8IPENA	R8IPENA:W8 Income:R Pension + Annuity	Cont
9	R9IPENA	R9IPENA:W9 Income:R Pension + Annuity	Cont
10	R10IPENA	R10IPENA:W10 Income:R Pension + Annuity	Cont
11	R11IPENA	R11IPENA:W11 Income:R Pension + Annuity	Cont
12	R12IPENA	R12IPENA:W12 Income:R Pension + Annuity	Cont
1	S1IPENA	S1IPENA:W1 Income:Sp Pension + Annuity	Cont
2	S2IPENA	S2IPENA:W2 Income:Sp Pension + Annuity	Cont
3	S3IPENA	S3IPENA:W3 Income:Sp Pension + Annuity	Cont
4	S4IPENA	S4IPENA:W4 Income:Sp Pension + Annuity	Cont
5	S5IPENA	S5IPENA:W5 Income:Sp Pension + Annuity	Cont
6	S6IPENA	S6IPENA:W6 Income:Sp Pension + Annuity	Cont
7	S7IPENA	S7IPENA:W7 Income:Sp Pension + Annuity	Cont
8	S8IPENA	S8IPENA:W8 Income:Sp Pension + Annuity	Cont
9	S9IPENA	S9IPENA:W9 Income:Sp Pension + Annuity	Cont
10	S10IPENA	S10IPENA:W10 Income:Sp Pension + Annuity	Cont
11	S11IPENA	S11IPENA:W11 Income:Sp Pension + Annuity	Cont
12	S12IPENA	S12IPENA:W12 Income:Sp Pension + Annuity	Cont
1	R1IFPENA	R1IFPENA:W1 ImpFlag:R Pension + Annuity	Categ
2	R2IFPENA	R2IFPENA:W2 ImpFlag:R Pension + Annuity	Categ
3	R3IFPENA	R3IFPENA:W3 ImpFlag:R Pension + Annuity	Categ
4	R4IFPENA	R4IFPENA:W4 ImpFlag:R Pension + Annuity	Categ
5	R5IFPENA	R5IFPENA:W5 ImpFlag:R Pension + Annuity	Categ
6	R6IFPENA	R6IFPENA:W6 ImpFlag:R Pension + Annuity	Categ
7	R7IFPENA	R7IFPENA:W7 ImpFlag:R Pension + Annuity	Categ
8	R8IFPENA	R8IFPENA:W8 ImpFlag:R Pension + Annuity	Categ
9	R9IFPENA	R9IFPENA:W9 ImpFlag:R Pension + Annuity	Categ
10	R10IFPENA	R10IFPENA:W10 ImpFlag:R Pension + Annuity	Categ
11	R11IFPENA	R11IFPENA:W11 ImpFlag:R Pension + Annuity	Categ
12	R12IFPENA	R12IFPENA:W12 ImpFlag:R Pension + Annuity	Categ
1	S1IFPENA	S1IFPENA:W1 ImpFlag:Sp Pension + Annuity	Categ
2	S2IFPENA	S2IFPENA:W2 ImpFlag:Sp Pension + Annuity	Categ
3	S3IFPENA	S3IFPENA:W3 ImpFlag:Sp Pension + Annuity	Categ
4	S4IFPENA	S4IFPENA:W4 ImpFlag:Sp Pension + Annuity	Categ
5	S5IFPENA	S5IFPENA:W5 ImpFlag:Sp Pension + Annuity	Categ
6	S6IFPENA	S6IFPENA:W6 ImpFlag:Sp Pension + Annuity	Categ
7	S7IFPENA	S7IFPENA:W7 ImpFlag:Sp Pension + Annuity	Categ
8	S8IFPENA	S8IFPENA:W8 ImpFlag:Sp Pension + Annuity	Categ
9	S9IFPENA	S9IFPENA:W9 ImpFlag:Sp Pension + Annuity	Categ
10	S10IFPENA	S10IFPENA:W10 ImpFlag:Sp Pension + Annuity	Categ
11	S11IFPENA	S11IFPENA:W11 ImpFlag:Sp Pension + Annuity	Categ
12	S12IFPENA	S12IFPENA:W12 ImpFlag:Sp Pension + Annuity	Categ
1	R1IPEN	R1IPEN:W1 Income:R Pension	Cont
2	R2IPEN	R2IPEN:W2 Income:R Pension	Cont
3	R3IPEN	R3IPEN:W3 Income:R Pension	Cont
4	R4IPEN	R4IPEN:W4 Income:R Pension	Cont
5	R5IPEN	R5IPEN:W5 Income:R Pension	Cont
6	R6IPEN	R6IPEN:W6 Income:R Pension	Cont
7	R7IPEN	R7IPEN:W7 Income:R Pension	Cont
8	R8IPEN	R8IPEN:W8 Income:R Pension	Cont
9	R9IPEN	R9IPEN:W9 Income:R Pension	Cont
10	R10IPEN	R10IPEN:W10 Income:R Pension	Cont
11	R11IPEN	R11IPEN:W11 Income:R Pension	Cont
12	R12IPEN	R12IPEN:W12 Income:R Pension	Cont
1	S1IPEN	S1IPEN:W1 Income:Sp Pension	Cont

2	S2IPEN	S2IPEN:W2 Income:Sp Pension	Cont
3	S3IPEN	S3IPEN:W3 Income:Sp Pension	Cont
4	S4IPEN	S4IPEN:W4 Income:Sp Pension	Cont
5	S5IPEN	S5IPEN:W5 Income:Sp Pension	Cont
6	S6IPEN	S6IPEN:W6 Income:Sp Pension	Cont
7	S7IPEN	S7IPEN:W7 Income:Sp Pension	Cont
8	S8IPEN	S8IPEN:W8 Income:Sp Pension	Cont
9	S9IPEN	S9IPEN:W9 Income:Sp Pension	Cont
10	S10IPEN	S10IPEN:W10 Income:Sp Pension	Cont
11	S11IPEN	S11IPEN:W11 Income:Sp Pension	Cont
12	S12IPEN	S12IPEN:W12 Income:Sp Pension	Cont
1	R1IFPEN	R1IFPEN:W1 IncFlag:R Pension	Categ
2	R2IFPEN	R2IFPEN:W2 IncFlag:R Pension	Categ
3	R3IFPEN	R3IFPEN:W3 IncFlag:R Pension	Categ
4	R4IFPEN	R4IFPEN:W4 IncFlag:R Pension	Categ
5	R5IFPEN	R5IFPEN:W5 IncFlag:R Pension	Categ
6	R6IFPEN	R6IFPEN:W6 IncFlag:R Pension	Categ
7	R7IFPEN	R7IFPEN:W7 IncFlag:R Pension	Categ
8	R8IFPEN	R8IFPEN:W8 IncFlag:R Pension	Categ
9	R9IFPEN	R9IFPEN:W9 IncFlag:R Pension	Categ
10	R10IFPEN	R10IFPEN:W10 IncFlag:R Pension	Categ
11	R11IFPEN	R11IFPEN:W11 IncFlag:R Pension	Categ
12	R12IFPEN	R12IFPEN:W12 IncFlag:R Pension	Categ
1	S1IFPEN	S1IFPEN:W1 IncFlag:Sp Pension	Categ
2	S2IFPEN	S2IFPEN:W2 IncFlag:Sp Pension	Categ
3	S3IFPEN	S3IFPEN:W3 IncFlag:Sp Pension	Categ
4	S4IFPEN	S4IFPEN:W4 IncFlag:Sp Pension	Categ
5	S5IFPEN	S5IFPEN:W5 IncFlag:Sp Pension	Categ
6	S6IFPEN	S6IFPEN:W6 IncFlag:Sp Pension	Categ
7	S7IFPEN	S7IFPEN:W7 IncFlag:Sp Pension	Categ
8	S8IFPEN	S8IFPEN:W8 IncFlag:Sp Pension	Categ
9	S9IFPEN	S9IFPEN:W9 IncFlag:Sp Pension	Categ
10	S10IFPEN	S10IFPEN:W10 IncFlag:Sp Pension	Categ
11	S11IFPEN	S11IFPEN:W11 IncFlag:Sp Pension	Categ
12	S12IFPEN	S12IFPEN:W12 IncFlag:Sp Pension	Categ
1	R1IANN	R1IANN:W1 Income:R Annuity	Cont
2	R2IANN	R2IANN:W2 Income:R Annuity	Cont
3	R3IANN	R3IANN:W3 Income:R Annuity	Cont
4	R4IANN	R4IANN:W4 Income:R Annuity	Cont
5	R5IANN	R5IANN:W5 Income:R Annuity	Cont
6	R6IANN	R6IANN:W6 Income:R Annuity	Cont
7	R7IANN	R7IANN:W7 Income:R Annuity	Cont
8	R8IANN	R8IANN:W8 Income:R Annuity	Cont
9	R9IANN	R9IANN:W9 Income:R Annuity	Cont
10	R10IANN	R10IANN:W10 Income:R Annuity	Cont
11	R11IANN	R11IANN:W11 Income:R Annuity	Cont
12	R12IANN	R12IANN:W12 Income:R Annuity	Cont
1	S1IANN	S1IANN:W1 Income:Sp Annuity	Cont
2	S2IANN	S2IANN:W2 Income:Sp Annuity	Cont
3	S3IANN	S3IANN:W3 Income:Sp Annuity	Cont
4	S4IANN	S4IANN:W4 Income:Sp Annuity	Cont
5	S5IANN	S5IANN:W5 Income:Sp Annuity	Cont
6	S6IANN	S6IANN:W6 Income:Sp Annuity	Cont
7	S7IANN	S7IANN:W7 Income:Sp Annuity	Cont
8	S8IANN	S8IANN:W8 Income:Sp Annuity	Cont
9	S9IANN	S9IANN:W9 Income:Sp Annuity	Cont
10	S10IANN	S10IANN:W10 Income:Sp Annuity	Cont
11	S11IANN	S11IANN:W11 Income:Sp Annuity	Cont
12	S12IANN	S12IANN:W12 Income:Sp Annuity	Cont
1	R1IFANN	R1IFANN:W1 IncFlag:R Annuity	Categ
2	R2IFANN	R2IFANN:W2 IncFlag:R Annuity	Categ
3	R3IFANN	R3IFANN:W3 IncFlag:R Annuity	Categ
4	R4IFANN	R4IFANN:W4 IncFlag:R Annuity	Categ
5	R5IFANN	R5IFANN:W5 IncFlag:R Annuity	Categ
6	R6IFANN	R6IFANN:W6 IncFlag:R Annuity	Categ
7	R7IFANN	R7IFANN:W7 IncFlag:R Annuity	Categ
8	R8IFANN	R8IFANN:W8 IncFlag:R Annuity	Categ

9	R9IFANN	R9IFANN:W9 IncFlag:R Annuity	Categ
10	R10IFANN	R10IFANN:W10 IncFlag:R Annuity	Categ
11	R11IFANN	R11IFANN:W11 IncFlag:R Annuity	Categ
12	R12IFANN	R12IFANN:W12 IncFlag:R Annuity	Categ
1	S1IFANN	S1IFANN:W1 IncFlag:Sp Annuity	Categ
2	S2IFANN	S2IFANN:W2 IncFlag:Sp Annuity	Categ
3	S3IFANN	S3IFANN:W3 IncFlag:Sp Annuity	Categ
4	S4IFANN	S4IFANN:W4 IncFlag:Sp Annuity	Categ
5	S5IFANN	S5IFANN:W5 IncFlag:Sp Annuity	Categ
6	S6IFANN	S6IFANN:W6 IncFlag:Sp Annuity	Categ
7	S7IFANN	S7IFANN:W7 IncFlag:Sp Annuity	Categ
8	S8IFANN	S8IFANN:W8 IncFlag:Sp Annuity	Categ
9	S9IFANN	S9IFANN:W9 IncFlag:Sp Annuity	Categ
10	S10IFANN	S10IFANN:W10 IncFlag:Sp Annuity	Categ
11	S11IFANN	S11IFANN:W11 IncFlag:Sp Annuity	Categ
12	S12IFANN	S12IFANN:W12 IncFlag:Sp Annuity	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IPENA	12652	1162.11	4820.24	0.0	85000.0
R2IPENA	19642	2531.56	10647.71	0.0	480800.0
R3IPENA	17991	3007.18	12935.07	0.0	732000.0
R4IPENA	21384	3248.37	9457.86	0.0	300000.0
R5IPENA	19579	3951.12	13700.31	0.0	696240.0
R6IPENA	18165	4372.85	15636.64	0.0	1196388.0
R7IPENA	20129	4684.54	33613.41	0.0	2748372.0
R8IPENA	18469	4805.17	19829.74	0.0	1390440.0
R9IPENA	17217	8690.24	457791.26	0.0	60000000.0
R10IPENA	22034	3829.72	39234.14	0.0	5401560.0
R11IPENA	20554	4544.26	16173.67	0.0	764058.0
R12IPENA	18748	5404.66	23716.80	0.0	2160000.0
S1IPENA	10279	1229.60	4986.09	0.0	85000.0
S2IPENA	13672	2644.25	10865.32	0.0	459600.0
S3IPENA	12333	3044.39	12832.24	0.0	725400.0
S4IPENA	14515	3149.94	9044.59	0.0	225000.0
S5IPENA	13041	3902.89	13485.12	0.0	696240.0
S6IPENA	11859	4407.93	17116.20	0.0	1196388.0
S7IPENA	13352	4619.16	32389.85	0.0	2160000.0
S8IPENA	12052	4683.88	20474.32	0.0	1390440.0
S9IPENA	11012	5594.60	70532.01	0.0	7200000.0
S10IPENA	14235	3424.57	12684.64	0.0	516000.0
S11IPENA	13080	4231.92	14767.11	0.0	492000.0
S12IPENA	11625	5094.48	26680.79	0.0	2160000.0
R1IFPENA	12652	0.19	0.85	0.0	9.0
R2IFPENA	19642	0.36	0.90	0.0	9.0
R3IFPENA	17991	0.41	0.92	0.0	9.0
R4IFPENA	21384	0.44	1.03	0.0	9.0
R5IFPENA	19579	0.45	0.94	0.0	9.0
R6IFPENA	18165	0.43	0.76	0.0	9.0
R7IFPENA	20129	0.40	0.83	0.0	9.0
R8IFPENA	18469	0.40	0.79	0.0	9.0
R9IFPENA	17217	0.41	0.82	0.0	9.0
R10IFPENA	22034	0.44	1.31	0.0	9.0
R11IFPENA	20554	0.37	0.97	0.0	9.0

R12IFPENA	18748	0.42	1.06	0.0	9.0
S1IFPENA	12652	1.67	3.16	0.0	9.0
S2IFPENA	19642	2.67	3.60	0.0	9.0
S3IFPENA	17991	2.77	3.62	0.0	9.0
S4IFPENA	21384	2.86	3.66	0.0	9.0
S5IFPENA	19579	2.94	3.66	0.0	9.0
S6IFPENA	18165	3.03	3.67	0.0	9.0
S7IFPENA	20129	2.93	3.68	0.0	9.0
S8IFPENA	18469	3.02	3.69	0.0	9.0
S9IFPENA	17217	3.13	3.72	0.0	9.0
S10IFPENA	22034	3.12	3.79	0.0	9.0
S11IFPENA	20554	3.13	3.77	0.0	9.0
S12IFPENA	18748	3.29	3.80	0.0	9.0
R1IPEN	12652	1055.15	4541.29	0.0	85000.0
R2IPEN	19642	2326.62	9835.51	0.0	459600.0
R3IPEN	17991	2676.51	9440.32	0.0	642000.0
R4IPEN	21384	2959.48	8653.51	0.0	300000.0
R5IPEN	19579	3556.43	11905.99	0.0	696240.0
R6IPEN	18165	3971.32	14552.18	0.0	1196388.0
R7IPEN	20129	4188.13	29427.01	0.0	2748372.0
R8IPEN	18469	4176.04	17210.25	0.0	1374108.0
R9IPEN	17217	8051.03	457537.64	0.0	60000000.0
R10IPEN	22034	3317.46	37903.02	0.0	5401560.0
R11IPEN	20554	4075.03	13743.36	0.0	764058.0
R12IPEN	18748	4794.51	21946.04	0.0	2160000.0
S1IPEN	10279	1120.33	4677.93	0.0	85000.0
S2IPEN	13679	2477.57	10596.39	0.0	459600.0
S3IPEN	12333	2725.68	9821.92	0.0	642000.0
S4IPEN	14515	2948.58	8495.33	0.0	225000.0
S5IPEN	13041	3638.97	12863.85	0.0	696240.0
S6IPEN	11859	4085.62	16259.19	0.0	1196388.0
S7IPEN	13352	4178.18	26150.20	0.0	2023644.0
S8IPEN	12052	4180.17	18855.51	0.0	1374108.0
S9IPEN	11012	5152.17	70301.24	0.0	7200000.0
S10IPEN	14235	3071.31	11558.43	0.0	516000.0
S11IPEN	13080	3921.60	13309.62	0.0	400226.9
S12IPEN	11625	4639.34	25509.19	0.0	2160000.0
R1IFPEN	12652	0.18	0.85	0.0	9.0
R2IFPEN	19642	0.34	0.89	0.0	9.0
R3IFPEN	17991	0.37	0.91	0.0	9.0
R4IFPEN	21384	0.41	1.02	0.0	9.0
R5IFPEN	19579	0.42	0.92	0.0	9.0
R6IFPEN	18165	0.39	0.73	0.0	9.0
R7IFPEN	20129	0.36	0.80	0.0	9.0
R8IFPEN	18469	0.36	0.76	0.0	9.0
R9IFPEN	17217	0.37	0.80	0.0	9.0
R10IFPEN	22034	0.40	1.29	0.0	9.0
R11IFPEN	20554	0.34	0.95	0.0	9.0
R12IFPEN	18748	0.38	1.04	0.0	9.0
S1IFPEN	12652	1.66	3.16	0.0	9.0
S2IFPEN	19642	2.66	3.61	0.0	9.0
S3IFPEN	17991	2.75	3.63	0.0	9.0
S4IFPEN	21384	2.84	3.67	0.0	9.0
S5IFPEN	19579	2.93	3.67	0.0	9.0

S6IFPEN	18165	3.01	3.69	0.0	9.0
S7IFPEN	20129	2.91	3.69	0.0	9.0
S8IFPEN	18469	3.00	3.71	0.0	9.0
S9IFPEN	17217	3.10	3.74	0.0	9.0
S10IFPEN	22034	3.09	3.80	0.0	9.0
S11IFPEN	20554	3.11	3.78	0.0	9.0
S12IFPEN	18748	3.27	3.81	0.0	9.0
R1IANN	12652	106.96	1684.38	0.0	80000.0
R2IANN	19642	204.94	3962.55	0.0	480800.0
R3IANN	17991	330.67	8700.05	0.0	732000.0
R4IANN	21384	288.89	3392.96	0.0	156480.0
R5IANN	19579	394.68	6555.12	0.0	600000.0
R6IANN	18165	401.53	5467.12	0.0	312000.0
R7IANN	20129	496.41	16173.79	0.0	2160000.0
R8IANN	18469	629.13	9346.23	0.0	817224.0
R9IANN	17217	639.20	15351.76	0.0	1860000.0
R10IANN	22034	512.26	9815.62	0.0	1200000.0
R11IANN	20554	469.23	8355.53	0.0	678080.0
R12IANN	18748	610.14	8046.54	0.0	592596.0
S1IANN	10279	109.27	1795.23	0.0	80000.0
S2IANN	13673	168.46	2077.15	0.0	114000.0
S3IANN	12333	318.71	8131.39	0.0	725400.0
S4IANN	14515	201.36	2637.92	0.0	151802.8
S5IANN	13041	263.92	3762.12	0.0	204000.0
S6IANN	11859	322.31	5164.32	0.0	312000.0
S7IANN	13352	440.98	19054.67	0.0	2160000.0
S8IANN	12052	503.71	7433.92	0.0	468000.0
S9IANN	11012	442.43	5639.67	0.0	408000.0
S10IANN	14235	353.26	4949.27	0.0	396000.0
S11IANN	13080	310.32	6278.91	0.0	492000.0
S12IANN	11625	455.14	7156.80	0.0	456000.0
R1IFANN	12652	0.09	0.80	0.0	9.0
R2IFANN	19642	0.13	0.82	0.0	9.0
R3IFANN	17991	0.13	0.81	0.0	9.0
R4IFANN	21384	0.16	0.94	0.0	9.0
R5IFANN	19579	0.13	0.82	0.0	9.0
R6IFANN	18165	0.11	0.58	0.0	9.0
R7IFANN	20129	0.12	0.69	0.0	9.0
R8IFANN	18469	0.12	0.64	0.0	9.0
R9IFANN	17217	0.13	0.69	0.0	9.0
R10IFANN	22034	0.25	1.27	0.0	9.0
R11IFANN	20554	0.14	0.87	0.0	9.0
R12IFANN	18748	0.17	0.98	0.0	9.0
S1IFANN	12652	1.58	3.18	0.0	9.0
S2IFANN	19642	2.52	3.69	0.0	9.0
S3IFANN	17991	2.60	3.72	0.0	9.0
S4IFANN	21384	2.69	3.76	0.0	9.0
S5IFANN	19579	2.75	3.77	0.0	9.0
S6IFANN	18165	2.84	3.79	0.0	9.0
S7IFANN	20129	2.77	3.78	0.0	9.0
S8IFANN	18469	2.85	3.80	0.0	9.0
S9IFANN	17217	2.96	3.83	0.0	9.0
S10IFANN	22034	3.01	3.86	0.0	9.0
S11IFANN	20554	3.01	3.85	0.0	9.0
S12IFANN	18748	3.15	3.89	0.0	9.0

Categorical Variable Codes

Value	R1IFPENA	R2IFPENA	R3IFPENA	R4IFPENA	R5IFPENA	R6IFPENA	R7IFPENA
0.No income	11235	14549	12682	15033	13220	12112	14175
1.No imputations	1126	4070	4199	4789	4926	4640	4556
2.Some imputation	196	889	984	1355	1296	1368	1309
9.No Fin Resp	95	134	126	207	137	45	89

Value	R8IFPENA	R9IFPENA	R10IFPENA	R11IFPENA	R12IFPENA
0.No income	12787	11817	16798	15249	13516
1.No imputations	4445	4266	3756	4115	3995
2.Some imputation	1172	1059	1062	1019	1038
9.No Fin Resp	65	75	418	171	199

Value	S1IFPENA	S2IFPENA	S3IFPENA	S4IFPENA	S5IFPENA	S6IFPENA	S7IFPENA
0.No income	9079	10359	9016	10633	9261	8309	9888
1.No imputations	947	2622	2606	2876	2859	2688	2626
2.Some imputation	158	588	625	821	828	826	761
8.No Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6777
9.No Fin Resp	95	103	86	185	93	36	77

Value	S8IFPENA	S9IFPENA	S10IFPENA	S11IFPENA	S12IFPENA
0.No income	8741	7922	11209	10169	8826
1.No imputations	2560	2416	2087	2223	2109
2.Some imputation	699	612	612	545	530
8.No Sp/Part->no incm	6417	6205	7799	7474	7123
9.No Fin Resp	52	62	327	143	160

Value	R1IFPEN	R2IFPEN	R3IFPEN	R4IFPEN	R5IFPEN	R6IFPEN	R7IFPEN
0.No income	11340	14844	13001	15419	13581	12523	14627
1.No imputations	1041	3873	4124	4673	4812	4486	4415
2.Some imputation	176	791	740	1085	1049	1111	998
9.No Fin Resp	95	134	126	207	137	45	89

Value	R8IFPEN	R9IFPEN	R10IFPEN	R11IFPEN	R12IFPEN
0.No income	13269	12314	17386	15721	14002
1.No imputations	4251	4043	3498	3888	3780
2.Some imputation	884	785	732	774	767
9.No Fin Resp	65	75	418	171	199

Value	S1IFPEN	S2IFPEN	S3IFPEN	S4IFPEN	S5IFPEN	S6IFPEN	S7IFPEN
0.No income	9157	10535	9223	10847	9459	8544	10131
1.No imputations	881	2514	2571	2813	2810	2610	2550
2.Some imputation	146	520	453	670	679	669	594
8.No Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6777
9.No Fin Resp	95	103	86	185	93	36	77

Value	S8IFPEN	S9IFPEN	S10IFPEN	S11IFPEN	S12IFPEN
0.No income	9022	8194	11552	10421	9069
1.No imputations	2441	2286	1922	2097	2000
2.Some imputation	537	470	434	419	396
8.No Sp/Part->no incm	6417	6205	7799	7474	7123
9.No Fin Resp	52	62	327	143	160

Value	R1IFANN	R2IFANN	R3IFANN	R4IFANN	R5IFANN	R6IFANN	R7IFANN
0.No income	12386	18792	17128	20209	18539	17134	19048
1.No imputations	85	88	343	432	407	430	446
2.Some imputation	86	628	394	536	496	556	546
9.No Fin Resp	95	134	126	207	137	45	89

Value	R8IFANN	R9IFANN	R10IFANN	R11IFANN	R12IFANN
0.No income	17368	16127	20517	19413	17600
1.No imputations	524	530	531	527	486
2.Some imputation	512	485	568	443	463
9.No Fin Resp	65	75	418	171	199

Value	S1IFANN	S2IFANN	S3IFANN	S4IFANN	S5IFANN	S6IFANN	S7IFANN
0.No income	10053	13109	11820	13795	12452	11271	12773
1.No imputations	66	70	181	227	205	218	214
2.Some imputation	65	390	246	308	291	334	288
8.No Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6777
9.No Fin Resp	95	103	86	185	93	36	77

Value	S8IFANN	S9IFANN	S10IFANN	S11IFANN	S12IFANN
0.No income	11444	10427	13325	12470	11016
1.No imputations	268	260	279	242	215
2.Some imputation	288	263	304	225	234
8.No Sp/Part->no incm	6417	6205	7799	7474	7123
9.No Fin Resp	52	62	327	143	160

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

RwIPENA is the sum of the Respondent's income from all pensions and annuities. RwIPEN is the Respondent's income from all pensions. RwIANN is the Respondent's income from all annuities. RwIFPENA is a flag that indicates whether any components are imputed. RwIFPEN and RwIFANN are flags that indicate whether any components are imputed in the separate measures.

SwIPENA is the sum of the spouse's income from all pensions and annuities. SwIPEN is the spouse's income from all pensions. SwIANN is the spouse's income from all annuities. SwIFPENA is a flag that indicates whether any components are imputed. SwIFPEN and SwIFANN are flags that indicate whether any components are imputed in the separate measures.

Pension amounts are obtained separately for the Financial Respondent and spouse in all waves. In Wave 1, there is one annual amount for all pension income. From Wave 2 forward, up to 3 monthly amounts can be reported for pensions. The month the Respondent or spouse first received the pension is asked for the first 2 pensions. Annuity income questions are asked in the same way as is done for pensions.

Beginning in Wave 2, the start month is checked for the first 2 pensions or annuities, and the appropriate number of months are used to calculate yearly income. For the third monthly amount reported, no start month is available beginning in Wave 2H, and the monthly amount is multiplied by 12 months.

Because of the differences in the way income information was collected for the HRS and AHEAD samples in Wave 2, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For AHEAD entry cohort Respondents, R2IFANN3 and S2IFANN3 are set to .Q to indicate that the corresponding income components are not available in Wave 2A.

Users should note a few outliers who required further examination:

1. HHIDPN: 10013010 reported receiving a (monthly) first pension (LQ220_1) of $5,000,000 in Wave 9. Multiplying this amount by 12 months results in $60,000,000 annually from this pension alone. The accuracy of this amount has been confirmed by HRS.

2. HHIDPN: 79230030 reported receiving a (monthly) first pension (LQ246_1) of $600,000 in Wave 9. Multiplying this amount by 12 months results in $7,200,000 annually from this pension alone. HRS has stated that the reported amount is a lump sum. However, examination of other questions suggest that this pension started in 2003 (LQ257_1). Therefore, we have decided to consider this a monthly amount, which again will result in the large annual total stated above.

3. HHIDPN=33242020 reported a monthly first pension amount of $450,000 in Wave 10. Since s/he was missing

the beginning month and year, s/he was assumed to have received it for 12 months. This resulted in an annual first pension amount of $5,400,000.

4. HHIDPN=60278020 reported a total monthly amount of $100,000 from a third or subsequent annuity in Wave 10. The beginning month and year were not collected, so it was assumed they were collected for 12 months. This resulted in an annual amount of $1,200,000.

5. HHIDPN: 145489010 reported a monthly second annuity amount (OQ278_2) of $48,492 in Wave 12. Since s/he reported receiving it for 12 months, this resulted in an annual amount of $581,904.

6. HHIDPN: 501272010 reported receiving a second annuity in Wave 12, but no value was provided. An amount of $9,272.79 was imputed. Since s/he reported receiving it for 12 months, this resulted in an annual amount of $111,273.47.

7. HHIDPN: 500044010 reported a monthly third annuity amount (OQ290) of $30,000 in Wave 12. Since s/he reported receiving it for 12 months, this resulted in an annual amount of $360,000. HHIDPN = 86893010 also has an annual third annuity amount of $360,000. This is the result of the "nearest neighbor" imputation, where a monthly amount of $30,000 was taken from HHIDPN = 500044010.

Cross Wave Differences in Original HRS Data

In Wave 1, income is reported as the total amount received in 1991 from all pensions. Pension income is reported separately for Respondent and spouse. From Wave 2 forward, monthly income from up to 2 pensions are asked about individually, and monthly income from any additional pensions are reported as a 3rd amount. These three amounts are reported separately for Respondent and spouse. Also, beginning in Wave 2, the month the Respondent or spouse first received the pension is asked for the first two pensions. The same is true for annuities.

Beginning in Wave 2, the start month is checked for the first 2 pensions or annuities, and the appropriate number of months are used to calculate yearly income. For the third monthly amount reported, no start month is available beginning in Wave 2H, and the monthly amount is multiplied by 12 months.

Beginning in Wave 3H, if the Respondent refuses or does not know the amount received last month from the first 2 pensions and annuities, a series of unfolding bracket questions are asked. The bracket amounts and entry points are the same across waves. In Waves 1, 2, and 3A, no unfolding bracket questions are asked. Beginning in Wave 6, bracket questions are asked for the third pension and annuity.

Beginning with Wave 10, those who report receiving $0 in the last month for their first or second annuities are asked if they received any income in the last year, and the amount in total that they received.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income". After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive pension income?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans' Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of pension income and up to 2 different reports of annuity income.

If income is received, Financial Respondents are then asked questions that serve to identify the frequency (was that paid to you monthly?), amount received (how much did you receive last [month/period/year] from that?), and when payments were stopped (what month did you stop receiving that?). There are no unfolding brackets for income in Wave 2A.

Beginning in Wave 10, if a Respondent states s/he is currently receiving an annuity and that the amount received last month was zero, he is asked if any income was received last year and the total amount received last year. If provided, we apply the total amount received last year as the annual amount from the LCY and also use it to estimate a monthly amount.

An examination of the pension income (RwIPEN) variables in Version O showed markedly lower average pension income in Wave 11 compared to Wave 10. After a thorough analysis, we have concluded that this is largely due to the introduction of a new Pension Section (J2) in the 2012 questionnaire, which precedes and therefore affects some answers in the Assets and Income Section (Q). Because the question about pension income in the Assets and Income Section uses the wording "Not including Social Security or other retirement income you've already told me about," some Financial Respondents did not report pension income they had reported earlier in the Pension Section. This interaction between different sections of the surveys was not intended by the survey designers.

To remedy this problem in the data, beginning in Version P, we incorporate logic in Waves 11 and 12 to pull information about pension income of Financial Respondents from both Section Q and Section J2. We did not change the derivation of pension income for earlier waves, because those did not yet have the Pension Section (J2) that caused the interaction with the pension income questions in Section Q. Pension income for earlier waves continues to be calculated using only

information from Section Q. See the "RAND Income and Wealth Imputation File Codebook" available on the HRS website Appendix C: Combining Pension Income from Section Q (Assets & Income) and Section J2 (Pension), for a detailed description of the methodology that we developed for combining information from the Pension Section (J2) and the Income Section (Q).

Beginning in Version P, we have incorporated logic for Waves 11 and 12 that combines information about pension income from Section Q and Section J2. See Appendix C: Combining Pension Income from Section Q (Assets & Income) and Section J2 (Pension) for a detailed description of the methodology.

HRS Variables Used

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HRS 1992:
    V15714          N25A:WHO RECVD RET P:IND
    V15715          N26:RET PN:R1TYPE IN:IND
    V15716          N26A RET PEN:R1 AMTI:IND
    V15720          N26C:ANNUIT:R1 RECIN:IND
    V15724          N27:RET PN:R2TYPE IN:IND
    V15725          N27A RET PEN:R2 AMTI:IND
    V15729          N27C:ANNUIT:R2 RECIN:IND
    V5713           N25:RECV RET PENS-NO:IMP
    V5714           N25A:WHO RECVD RET P:IMP
    V5715           N26:RET PEN:R1TYPE R:IMP
    V5716           N26A:RET PN:R1$AMT R:IMP
    V5717           N26A:RET PN:R1RECVD :IMP
    V5720           N26C:ANNUIT:R1$AMT R:IMP
    V5721           N26C:ANNUIT:R1RECVD :IMP
    V5724           N27:RET PEN:R2TYPE R:IMP
    V5725           N27A:RET PN:R2$AMT R:IMP
    V5726           N27A:RET PN:R2RECVD :IMP
    V5729           N27C:ANNUIT:R2$AMT R:IMP
    V5730           N27C:ANNUIT:R2RECVD :IMP
AHEAD 1993:
    B1456           J19. R REG INC: RECEIVE ANY
    B1457           J20-1. R REG INC: TYPE-1
    B1458           J21-1. R REG INC: PAID PER MONTH-1
    B1459           J21b-1. R REG INC: $ PERIOD-1
    B1460           J21c-1. R REG INC: $ LAST PERIOD-1
    B1462           J21e-1. R REG INC: START >2YRS AGO-1
    B1463           J21f-1. R REG INC: START MONTH-1
    B1473           J26-1. R REG INC: ANY OTHER-1
    B1475           J20-2. R REG INC: TYPE-2
    B1476           J21-2. R REG INC: PAID PER MONTH-2
    B1477           J21b-2. R REG INC: $ PERIOD-2
    B1478           J21c-2. R REG INC: $ LAST PERIOD-2
    B1479           J21d-2. R REG INC: FED INC TAXED-2
    B1480           J21e-2. R REG INC: START >2YRS AGO-2
    B1481           J21f-2. R REG INC: START MONTH-2
    B1482           J21g-2. R REG INC: START YEAR-2
    B1491           J26-2. R REG INC: ANY OTHER-2
    B1492           J20-3. R REG INC: TYPE-3
    B1493           J21-3. R REG INC: PAID PER MONTH-3
    B1494           J21b-3. R REG INC: $ PERIOD-3
    B1495           J21c-3. R REG INC: $ LAST PERIOD-3
    B1496           J21d-3. R REG INC: FED INC TAXED-3
    B1497           J21e-3. R REG INC: START >2YRS AGO-3
    B1498           J21f-3. R REG INC: START MONTH-3
    B1499           J21g-3. R REG INC: START YEAR-3
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    B1508           J27. R REG INC: ANY END 1992/3
    B1509           J27a. R REG INC END1992/3: TYPE
    B1510           J28. R REG INC END 1992/3: PAID PER MO
    B1511           J28a. R REG INC END 1992/3: $ PERIOD
    B1512           J28b.R REG INC END1992/3:$ LAST PERIOD
    B1513           J28c. R REG INC END92/3: LAST MO RECD
    B1514           J28d. R REG INC END92/3: LAST YR RECD
    B1515           J29. SP REG INC: RECEIVE ANY
    B1517           J30-1. SP REG INC: TYPE-1
    B1518           J31-1. SP REG INC: PAID PER MONTH-1
    B1519           J31b-1. SP REG INC: $ PERIOD-1
    B1520           J31c-1. SP REG INC: $ LAST PERIOD-1
    B1521           J31d-1. SP REG INC: FED INC TAXED-1
    B1522           J31e-1. SP REG INC: START >2YRS AGO-1
    B1523           J31f-1. SP REG INC: START MONTH-1
    B1524           J31g-1. SP REG INC: START YEAR-1
    B1533           J36-1. SP REG INC: ANY OTHER-1
    B1539           J30-2. SP REG INC: TYPE-2
    B1540           J31-2. SP REG INC: PAID PER MONTH-2
    B1541           J31b-2. SP REG INC: $ PERIOD-2
    B1542           J31c-2. SP REG INC: $ LAST PERIOD-2
    B1543           J31d-2. SP REG INC: FED INC TAXED-2
    B1544           J31e-2. SP REG INC: START >2YRS AGO-2
    B1545           J31f-2. SP REG INC: START MONTH-2
    B1546           J31g-2. SP REG INC: START YEAR-2
    B1555           J36-2. SP REG INC: ANY OTHER-2
    B1560           J30-3. SP REG INC: TYPE-3
    B1561           J31-3. SP REG INC: PAID PER MONTH-3
    B1562           J31b-3. SP REG INC: $ PERIOD-3
    B1563           J31c-3. SP REG INC: $ LAST PERIOD-3
    B1564           J31d-3. SP REG INC: FED INC TAXED-3
    B1565           J31e-3. SP REG INC: START >2YRS AGO-3
    B1566           J31f-3. SP REG INC: START MONTH-3
    B1567           J31g-3. SP REG INC: START YEAR-3
    B1576           J37. SP REG INC: ANY END 92/93
    B1577           J37a. SP REG INC END 92/93: TYPE
    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
HRS 1994:
    W16071          N20. Imputation flag
    W16072          N20a. Imputation flag
    W16074          N20c. Imputation flag
    W16075          N20d. Imputation flag
    W16083          N20q. Imputation flag
    W16091          N20x1. Imputation flag
    W16095          N20aa. Imputation flag
    W16103          N20mm. Imputation flag
    W16111          N20uu. Imputation flag
    W16114          N21. Imputation flag
    W16116          N21b. Imputation flag
    W16117          N21c. Imputation flag
    W16118          N21d. Imputation flag
    W16126          N21q. Imputation flag
    W16134          N21x1. Imputation flag
    W16136          N21y. Imputation flag
    W16137          N21z. Imputation flag
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    W16138          N21aa. Imputation flag
    W16146          N21mm. Imputation flag
    W16154          N21uu. Imputation flag
    W6071           N20.RETIREMENT PENSIONS?
    W6072           N20a.WHO RECEIVES PENSIO
    W6073           N20b.>1 PENSION?
    W6074           N20c.NUMBER PENSIONS
    W6075           N20d.AMT LAST MONTH-PENS
    W6077           N20f.MONTH START RECEIVI
    W6078           N20f.YEAR START RECEIVIN
    W6083           N20q.AMT LAST MONTH-PENS
    W6085           N20s.MONTH START RECEIVI
    W6086           N20s.YEAR START RECEIVIN
    W6091           N20x1.AMT LAST MONTH-OTH
    W6093           N20y.SP->1 PENSION?
    W6094           N20z.SP-NUMBER PENSIONS
    W6095           N20aa.SP-AMT LAST MONTH-
    W6097           N20cc.SP-MONTH START REC
    W6098           N20cc.SP-YEAR START RECE
    W6103           N20mm.SP-AMT LAST MONTH-
    W6105           N20pp.SP-MONTH START REC
    W6106           N20pp.SP-YEAR START RECE
    W6111           N20uu.SP-AMT LAST MONTH-
    W6114           N21.ANNUITIES?
    W6115           N21a.WHO RECEIVES ANNUIT
    W6116           N21b.>1 ANNUITY?
    W6117           N21c.NUMBER OF ANNUITIES
    W6118           N21d.AMT LAST MONTH-ANNU
    W6120           N21f.MONTH START RECEIVI
    W6121           N21f.YEAR START RECEIVIN
    W6126           N21q.AMT LAST MONTH-ANNU
    W6128           N21s.MONTH START RECEIVI
    W6129           N21s.YEAR START RECEIVIN
    W6134           N21x1.AMT LAST MONTH-OTH
    W6136           N21y.SP->1 ANNUITY?
    W6137           N21z.SP-NUMBER OF ANNUIT
    W6138           N21aa.SP-AMT LAST MONTH-
    W6140           N21cc.SP-MONTH START REC
    W6141           N21cc.SP-YEAR START RECE
    W6146           N21mm.SP-AMT LAST MONTH-
    W6148           N21pp.SP-MONTH START REC
    W6149           N21pp.SP-YEAR START RECE
    W6154           N21uu.SP-AMT LAST MONTH-
AHEAD 1995:
    D4191           J30.RET PENSION
    D4192           J30A.WHO RECD PENSION
    D4193           J30B.>1 PENSION
    D4194           J30C.#PENSIONS
    D4198           J30D.AMT PENSION-1
    D4200           J30F.YEAR START PENSION-1
    D4201           J30G.YEAR START PENSION-1
    D4213           J30D.2ND (LARGEST) PENSION-2
    D4215           J30F.YEAR START PENSION-2
    D4216           J30G.MONTH START PENSION-2
    D4221           J30U.OTHER PENSIONS
    D4226           J31.PENSION SP
    D4227           J31A.#PENSIONS SP
    D4229           J31C.AMT PENSION SP-1
    D4231           J31E.YEAR START PENSION SP-1
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    D4232           J31F.MONTH START PENSION SP-1
    D4238           J31K. 2ND (LARGEST) PENSION SP-2
    D4246           J31E.YEAR START PENSION SP-2
    D4247           J31F.MONTH START PENSION SP-2
    D4253           J31U.OTHER PENSIONS SP
    D4266           J33.INCOME ANNUITIES
    D4267           J33A.WHO RECD ANNUITY
    D4268           J33B.>1 ANNUITY INC
    D4269           J33C.# ANNUITIES INC
    D4271           J33D.AMT ANNUITY INC-1
    D4273           J33F.YEAR START ANNUITY INC-1
    D4274           J33G.MONTH START ANNUITY INC-1
    D4285           J33D.2ND (LARGEST) ANNUITY INC-2
    D4288           J33F.YEAR START ANNUITY INC-2
    D4289           J33G.MONTH START ANNUITY INC-2
    D4294           J34.OTHER ANNUITIES
    D4299           J35.>1 ANNUITIES SPOUSE
    D4300           J35A.# ANNUITIES SP
    D4302           J35C.AMT ANNUITY INC SP-1
    D4304           J35E.YEAR START ANNUITY INC SP-1
    D4305           J35E.MONTH START ANNTY
    D4315           J35B.2ND (LARGEST) ANNUUITY INC SP-2
    D4318           J35E.YEAR START ANNUITY INC SP-2
    D4319           J35P.MONTH START ANNUITY INC SP-2
    D4324           J35U.OTHER ANNUITY INC SP
HRS 1996:
    E4209           J127.RET PENSION
    E4210           J128.WHO RECD PENSION
    E4211           J129.>1 PENSION
    E4212           J130.#PENSIONS
    E4214_1         J132.AMT PENSION LAST MONTH
    E4214_2         J132.AMT PENSION LAST MONTH
    E4215_1         J132A.$ PENSION LAST MONTH DK-1K
    E4215_2         J132A.$ PENSION LAST MONTH DK-1K
    E4216_1         J132B.$ PENSION LAST MONTH DK-2K
    E4216_2         J132B.$ PENSION LAST MONTH DK-2K
    E4217_1         J143C.$ PENSION LAST MONTH DK-4K
    E4217_2         J143C.$ PENSION LAST MONTH DK-4K
    E4218_1         J143D.$ PENSION LAST MONTH DK-500
    E4218_2         J143D.$ PENSION LAST MONTH DK-500
    E4223_1         J137.PENSION START YEAR
    E4223_2         J137.PENSION START YEAR
    E4224_1         J138.PENSION START MONTH
    E4224_2         J138.PENSION START MONTH
    E4232           J143.OTHER PENSIONS
    E4234           J145.PENSION SP
    E4235           J146.#PENSIONS SP
    E4237_1         J148.SP AMT PENSION LAST MONTH
    E4237_2         J148.SP AMT PENSION LAST MONTH
    E4238_1         J148A.$ SP PENSION LAST MONTH DK-1K
    E4238_2         J148A.$ SP PENSION LAST MONTH DK-1K
    E4239_1         J148B.$ SP PENSION LAST MONTH DK-2K
    E4239_2         J148B.$ SP PENSION LAST MONTH DK-2K
    E4240_1         J148C.$ SP PENSION LAST MONTH DK-4K
    E4240_2         J148C.$ SP PENSION LAST MONTH DK-4K
    E4241_1         J148D.$ SP PENSION LAST MONTH DK-500
    E4241_2         J148D.$ SP PENSION LAST MONTH DK-500
    E4246_1         J153.SP PENSION START YEAR
    E4246_2         J153.SP PENSION START YEAR
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    E4247_1         J153.SP PENSION START MONTH
    E4247_2         J153.SP PENSION START MONTH
    E4258           J159.OTHER PENSIONS SP
    E4263           J163.INCOME ANNUITIES
    E4264           J164.WHO RECD ANNUITY
    E4265           J165.>1 ANNUITY INC
    E4266           J166.# ANNUITIES INC
    E4269_1         J168.AMT ANNUITY INC
    E4269_2         J168.AMT ANNUITY INC
    E4270_1         J168A.$ ANNUITY INC DK-1K
    E4270_2         J168A.$ ANNUITY INC DK-1K
    E4271_1         J168B.$ ANNUITY INC DK-2K
    E4271_2         J168B.$ ANNUITY INC DK-2K
    E4272_1         J168C.$ ANNUITY INC DK-4K
    E4272_2         J168C.$ ANNUITY INC DK-4K
    E4273_1         J168D.$ ANNUITY INC DK-500
    E4273_2         J168D.$ ANNUITY INC DK-500
    E4275_1         J170.ANNUITY INC START YEAR
    E4275_2         J170.ANNUITY INC START YEAR
    E4276_1         J171.ANNUITY INC START MONTH
    E4276_2         J171.ANNUITY INC START MONTH
    E4291           J176.OTHER ANNUITIES
    E4295           J178.>1 ANNUITIES SPOUSE
    E4296           J179.# ANNUITIES SP
    E4298_1         J181.SP AMT ANNUITY INC
    E4298_2         J181.SP AMT ANNUITY INC
    E4299_1         J181A.$ SP ANNUITY INC DK-1K
    E4299_2         J181A.$ SP ANNUITY INC DK-1K
    E4300_1         J181B.$ SP ANNUITY INC DK-2K
    E4300_2         J181B.$ SP ANNUITY INC DK-2K
    E4301_1         J181C.$ SP ANNUITY INC DK-4K
    E4301_2         J181C.$ SP ANNUITY INC DK-4K
    E4302_1         J181D.$ SP ANNUITY INC DK-500
    E4302_2         J181D.$ SP ANNUITY INC DK-500
    E4304_1         J183.SP ANNUITY INC START YEAR
    E4304_2         J183.SP ANNUITY INC START YEAR
    E4305_1         J184.SP ANNTY START MONTH
    E4305_2         J184.SP ANNTY START MONTH
    E4320           J188A.OTHER ANNUITY INC SP
HRS 1998:
    F4969           J127.RET PENSION
    F4970           J128.WHO RECD PENSION
    F4971           J129.>1 PENSION
    F4972           J130.#PENSIONS
    F4974_1         J132.AMT PENSION LAST MONTH
    F4974_2         J132.AMT PENSION LAST MONTH
    F4975_1         J132A.DK-1K
    F4975_2         J132A.DK-1K
    F4976_1         J132B.DK-2K
    F4976_2         J132B.DK-2K
    F4977_1         J132C.DK-4K
    F4977_2         J132C.DK-4K
    F4978_1         J132D.DK-500
    F4978_2         J132D.DK-500
    F4983_1         J137.PENSION START YEAR
    F4983_2         J137.PENSION START YEAR
    F4984_1         J138.PENSION START MONTH
    F4984_2         J138.PENSION START MONTH
    F4992           J143.OTHER PENSIONS
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    F4994           J145.PENSION SP
    F4995           J146.#PENSIONS SP
    F4996_1         J147.SP PENSION LOOP
    F4996_2         J147.SP PENSION LOOP
    F4998_1         J148A.DK-1K
    F4998_2         J148A.DK-1K
    F4999_1         J148B.DK-2K
    F4999_2         J148B.DK-2K
    F5000_1         J148C.DK-4K
    F5000_2         J148C.DK-4K
    F5001_1         J148D.DK-500
    F5001_2         J148D.DK-500
    F5006_1         J153.PENSION START YEAR
    F5006_2         J153.PENSION START YEAR
    F5007_1         J153.PENSION START MONTH
    F5007_2         J153.PENSION START MONTH
    F5018           J159.OTHER PENSIONS SP
    F5023           J163.INCOME ANNUITIES
    F5024           J164.WHO RECD ANNUITY
    F5025           J165.>1 ANNUITY INC
    F5026           J166.# ANNUITIES INC
    F5029_1         J168.AMT ANNUITY INC
    F5029_2         J168.AMT ANNUITY INC
    F5030_1         J168A.DK-1K
    F5030_2         J168A.DK-1K
    F5031_1         J168B.DK-2K
    F5031_2         J168B.DK-2K
    F5032_1         J168C.DK-4K
    F5032_2         J168C.DK-4K
    F5033_1         J168D.DK-500
    F5033_2         J168D.DK-500
    F5035_1         J170.ANNUITY INC START YEAR
    F5035_2         J170.ANNUITY INC START YEAR
    F5036_1         J171.ANNUITY INC START MONTH
    F5036_2         J171.ANNUITY INC START MONTH
    F5051           J176.OTHER ANNUITIES
    F5055           J178.>1 ANNUITIES SPOUSE
    F5056           J179.# ANNUITIES SP
    F5058_1         J181.AMT ANNUITY INC SP
    F5058_2         J181.AMT ANNUITY INC SP
    F5059_1         J181A.DK-1K
    F5059_2         J181A.DK-1K
    F5060_1         J181B.DK-2K
    F5060_2         J181B.DK-2K
    F5061_1         J181C.DK-4K
    F5061_2         J181C.DK-4K
    F5062_1         J181D.DK-500
    F5062_2         J181D.DK-500
    F5064_1         J183.ANNUITY INC SP START YEAR
    F5064_2         J183.ANNUITY INC SP START YEAR
    F5065_1         J184.ANNTY START MONTH
    F5065_2         J184.ANNTY START MONTH
    F5079           J188A.OTHER ANNUITY INC SP
HRS 2000:
    G5424           J127.RET PENSION
    G5425           J128.WHO RECD PENSION
    G5426           J129.>1 PENSION
    G5427           J130.#PENSIONS
    G5429_1         J132.AMT PENSION LAST MONTH
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G5429_2	J132.AMT PENSION LAST MONTH
G5430_1	J132A.DK-1K
G5430_2	J132A.DK-1K
G5431_1	J132B.DK-2K
G5431_2	J132B.DK-2K
G5432_1	J132C.DK-4K
G5432_2	J132C.DK-4K
G5433_1	J132D.DK-500
G5433_2	J132D.DK-500
G5438_1	J137.PENSION START YEAR
G5438_2	J137.PENSION START YEAR
G5439_1	J138.PENSION START MONTH
G5439_2	J138.PENSION START MONTH
G5447	J143.OTHER PENSIONS
G5449	J145.PENSION SP
G5450	J146.#PENSIONS SP
G5453_1	J148A.DK-1K
G5453_2	J148A.DK-1K
G5454_1	J148B.DK-2K
G5454_2	J148B.DK-2K
G5455_1	J148C.DK-4K
G5455_2	J148C.DK-4K
G5456_1	J148D.DK-500
G5456_2	J148D.DK-500
G5461_1	J153.PENSION START YEAR
G5461_2	J153.PENSION START YEAR
G5462_1	J153Y1.PENSION START MONTH
G5462_2	J153Y1.PENSION START MONTH
G5473	J159.OTHER PENSIONS SP
G5478	J163.INCOME ANNUITIES
G5479	J164.WHO RECD ANNUITY
G5480	J165.>1 ANNUITY INC
G5481	J166.# ANNUITIES INC
G5484_1	J168.AMT ANNUITY INC
G5484_2	J168.AMT ANNUITY INC
G5485_1	J168A.DK-1K
G5485_2	J168A.DK-1K
G5486_1	J168B.DK-2K
G5486_2	J168B.DK-2K
G5487_1	J168C.DK-4K
G5487_2	J168C.DK-4K
G5488_1	J168D.DK-500
G5488_2	J168D.DK-500
G5490_1	J170.ANNUITY INC START YEAR
G5490_2	J170.ANNUITY INC START YEAR
G5491_1	J171.ANNUITY INC START MONTH
G5491_2	J171.ANNUITY INC START MONTH
G5506	J176.OTHER ANNUITIES
G5510	J178.>1 ANNUITIES SPOUSE
G5511	J179.# ANNUITIES SP
G5513_1	J181.AMT ANNUITY INC SP
G5513_2	J181.AMT ANNUITY INC SP
G5514_1	J181A.DK-1K
G5514_2	J181A.DK-1K
G5515_1	J181B.DK-2K
G5515_2	J181B.DK-2K
G5516_1	J181C.DK-4K
G5516_2	J181C.DK-4K
G5517_1	J181D.DK-500

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    G5517_2         J181D.DK-500
    G5519_1         J183.ANNUITY INC SP START YEAR
    G5519_2         J183.ANNUITY INC SP START YEAR
    G5520_1         J184.ANNTY START MONTH
    G5520_2         J184.ANNTY START MONTH
    G5534           J188A.OTHER ANNUITY INC SP
HRS 2002:
    HQ215           PENSION RETIREMENT INCOME
    HQ216           WHO REC PENSION RETIREMENT INC
    HQ217           R INCOME FR MORE THAN ONE PENSION
    HQ218           NUMBER OF PENSIONS R RECEIVED
    HQ220_1         R AMT RECV FR PENSION - LAST MONTH -1
    HQ220_2         R AMT RECV FR PENSION - LAST MONTH -2
    HQ221_1         R AMT RECV FROM PENSION - MIN -1
    HQ221_2         R AMT RECV FROM PENSION - MIN -2
    HQ222_1         R AMT RECV FROM PENSION - MAX -1
    HQ222_2         R AMT RECV FROM PENSION - MAX -2
    HQ223_1         R AMT RECV FROM PENSION - RESULT -1
    HQ223_2         R AMT RECV FROM PENSION - RESULT -2
    HQ231_1         R YEAR PENSION STARTED -1
    HQ231_2         R YEAR PENSION STARTED -2
    HQ232_1         R MONTH PENSION STARTED -1
    HQ232_2         R MONTH PENSION STARTED -2
    HQ238           OTHER PENSIONS
    HQ243           SP PENSION
    HQ244           SP NUMBER OF PENSIONS
    HQ246_1         SP AMT RECV FR PENSION - LAST MONTH -1
    HQ246_2         SP AMT RECV FR PENSION - LAST MONTH -2
    HQ247_1         SP AMT RECV FROM PENSION - MIN -1
    HQ247_2         SP AMT RECV FROM PENSION - MIN -2
    HQ248_1         SP AMT RECV FROM PENSION - MAX -1
    HQ248_2         SP AMT RECV FROM PENSION  - MAX -2
    HQ249_1         SP AMT RECV FROM PENSION - RESULT -1
    HQ249_2         SP AMT RECV FROM PENSION  - RESULT -2
    HQ257_1         SP YEAR PENSION STARTED -1
    HQ257_2         SP YEAR PENSION STARTED -2
    HQ258_1         SP MONTH PENSION STARTED -1
    HQ258_2         SP MONTH PENSION STARTED -2
    HQ264           SP ALL OTH PENS AMT REC - LAST MONTH
    HQ273           R OR SP INCOME FROM ANNUITIES
    HQ274           WHO RECEIVED INC FROM ANNUITIES
    HQ275           R INCOME FROM  MORE THAN ONE ANNUITIES
    HQ276           R NUMBER OF ANNUITIES INCOME
    HQ278_1         R AMT FROM ANNUITY - LAST MONTH -1
    HQ278_2         R AMT FROM ANNUITY - LAST MONTH -2
    HQ279_1         R AMT FROM ANNUITY - MIN -1
    HQ279_2         R AMT FROM ANNUITY - MIN -2
    HQ280_1         R AMT FROM ANNUITY - MAX -1
    HQ280_2         R AMT FROM ANNUITY - MAX -2
    HQ281_1         R AMT FROM ANNUITY - RESULT -1
    HQ281_2         R AMT FROM ANNUITY - RESULT -2
    HQ283_1         R YEAR ANNUITY PMT STARTED -1
    HQ283_2         R YEAR ANNUITY PMT STARTED -2
    HQ284_1         R MONTH ANNUITY PMT STARTED -1
    HQ284_2         R MONTH ANNUITY PMT STARTED -2
    HQ290           OTHER ANNUITIES
    HQ295           >1 ANNUITIES SP
    HQ296           NUMBER OF ANNUITIES SP
    HQ298_1         SP AMT FROM ANNUITY - LAST MONTH -1
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    HQ298_2         SP AMT FROM ANNUITY - LAST MONTH -2
    HQ299_1         SP AMT FROM ANNUITY - MIN -1
    HQ299_2         SP AMT FROM ANNUITY - MIN -2
    HQ300_1         SP AMT FROM ANNUITY - MAX -1
    HQ300_2         SP AMT FROM ANNUITY - MAX -2
    HQ301_1         SP AMT FROM ANNUITY - RESULT -1
    HQ301_2         SP AMT FROM ANNUITY - RESULT -2
    HQ303_1         SP YEAR ANNUITY PMT STARTED -1
    HQ303_2         SP YEAR ANNUITY PMT STARTED -2
    HQ304_1         SP MONTH ANNUITY PMT STARTED -1
    HQ304_2         SP MONTH ANNUITY PMT STARTED -2
    HQ310           SP OTH ANNUIT PMT AMT LAST MONTH
HRS 2004:
    JQ215           PENSION RETIREMENT INCOME
    JQ216           WHO REC PENSION RETIREMENT INC
    JQ217           R INCOME FR MORE THAN ONE PENSION
    JQ218           NUMBER OF PENSIONS R RECEIVED
    JQ220_1         R AMT RECV FR PENSION - LAST MONTH -1
    JQ220_2         R AMT RECV FR PENSION - LAST MONTH -2
    JQ221_1         R AMT RECV FROM PENSION - MIN -1
    JQ221_2         R AMT RECV FROM PENSION - MIN -2
    JQ222_1         R AMT RECV FROM PENSION - MAX -1
    JQ222_2         R AMT RECV FROM PENSION - MAX -2
    JQ223_1         R AMT RECV FROM PENSION - RESULT -1
    JQ223_2         R AMT RECV FROM PENSION - RESULT -2
    JQ231_1         R YEAR PENSION STARTED -1
    JQ231_2         R YEAR PENSION STARTED -2
    JQ232_1         R MONTH PENSION STARTED -1
    JQ232_2         R MONTH PENSION STARTED -2
    JQ238           OTHER PENSIONS
    JQ243           SP PENSION
    JQ244           SP NUMBER OF PENSIONS
    JQ246_1         SP AMT RECV FR PENSION - LAST MONTH -1
    JQ246_2         SP AMT RECV FR PENSION - LAST MONTH -2
    JQ247_1         SP AMT RECV FROM PENSION - MIN -1
    JQ247_2         SP AMT RECV FROM PENSION - MIN -2
    JQ248_1         SP AMT RECV FROM PENSION - MAX -1
    JQ248_2         SP AMT RECV FROM PENSION  - MAX -2
    JQ249_1         SP AMT RECV FROM PENSION - RESULT -1
    JQ249_2         SP AMT RECV FROM PENSION  - RESULT -2
    JQ257_1         SP YEAR PENSION STARTED -1
    JQ257_2         SP YEAR PENSION STARTED -2
    JQ258_1         SP MONTH PENSION STARTED -1
    JQ258_2         SP MONTH PENSION STARTED -2
    JQ264           SP ALL OTH PENS AMT REC - LAST MONTH
    JQ273           R OR SP INCOME FROM ANNUITIES
    JQ274           WHO RECEIVED INC FROM ANNUITIES
    JQ275           R INCOME FROM  MORE THAN ONE ANNUITIES
    JQ276           R NUMBER OF ANNUITIES INCOME
    JQ278_1         R AMT FROM ANNUITY - LAST MONTH -1
    JQ278_2         R AMT FROM ANNUITY - LAST MONTH -2
    JQ279_1         R AMT FROM ANNUITY - MIN -1
    JQ279_2         R AMT FROM ANNUITY - MIN -2
    JQ280_1         R AMT FROM ANNUITY - MAX -1
    JQ280_2         R AMT FROM ANNUITY - MAX -2
    JQ281_1         R AMT FROM ANNUITY - RESULT -1
    JQ281_2         R AMT FROM ANNUITY - RESULT -2
    JQ283_1         R YEAR ANNUITY PMT STARTED -1
    JQ283_2         R YEAR ANNUITY PMT STARTED -2
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    JQ284_1         R MONTH ANNUITY PMT STARTED -1
    JQ284_2         R MONTH ANNUITY PMT STARTED -2
    JQ290           OTHER ANNUITIES
    JQ295           MORE THAN ONE ANNUITY SP
    JQ296           NUMBER OF ANNUITIES SP
    JQ298_1         SP AMT FROM ANNUITY - LAST MONTH -1
    JQ298_2         SP AMT FROM ANNUITY - LAST MONTH -2
    JQ299_1         SP AMT FROM ANNUITY - MIN -1
    JQ299_2         SP AMT FROM ANNUITY - MIN -2
    JQ300_1         SP AMT FROM ANNUITY - MAX -1
    JQ300_2         SP AMT FROM ANNUITY - MAX -2
    JQ301_1         SP AMT FROM ANNUITY - RESULT -1
    JQ301_2         SP AMT FROM ANNUITY - RESULT -2
    JQ303_1         SP YEAR ANNUITY PMT STARTED -1
    JQ303_2         SP YEAR ANNUITY PMT STARTED -2
    JQ304_1         SP MONTH ANNUITY PMT STARTED -1
    JQ304_2         SP MONTH ANNUITY PMT STARTED -2
    JQ310           SP OTH ANNUIT PMT AMT LAST MONTH
HRS 2006:
    KQ215           PENSION RETIREMENT INCOME
    KQ216           WHO REC PENSION RETIREMENT INC
    KQ217           R INCOME FR MORE THAN ONE PENSION
    KQ218           NUMBER OF PENSIONS R RECEIVED
    KQ220_1         R AMT RECV FR PENSION - LAST MONTH -1
    KQ220_2         R AMT RECV FR PENSION - LAST MONTH -2
    KQ221_1         R AMT RECV FROM PENSION - MIN -1
    KQ221_2         R AMT RECV FROM PENSION - MIN -2
    KQ222_1         R AMT RECV FROM PENSION - MAX -1
    KQ222_2         R AMT RECV FROM PENSION - MAX -2
    KQ223_1         R AMT RECV FROM PENSION - RESULT -1
    KQ223_2         R AMT RECV FROM PENSION - RESULT -2
    KQ231_1         R YEAR PENSION STARTED -1
    KQ231_2         R YEAR PENSION STARTED -2
    KQ232_1         R MONTH PENSION STARTED -1
    KQ232_2         R MONTH PENSION STARTED -2
    KQ238           OTHER PENSIONS
    KQ243           SP PENSION
    KQ244           SP NUMBER OF PENSIONS
    KQ246_1         SP AMT RECV FR PENSION - LAST MONTH -1
    KQ246_2         SP AMT RECV FR PENSION - LAST MONTH -2
    KQ247_1         SP AMT RECV FROM PENSION - MIN -1
    KQ247_2         SP AMT RECV FROM PENSION - MIN -2
    KQ248_1         SP AMT RECV FROM PENSION - MAX -1
    KQ248_2         SP AMT RECV FROM PENSION  - MAX -2
    KQ249_1         SP AMT RECV FROM PENSION - RESULT -1
    KQ249_2         SP AMT RECV FROM PENSION  - RESULT -2
    KQ257_1         SP YEAR PENSION STARTED -1
    KQ257_2         SP YEAR PENSION STARTED -2
    KQ258_1         SP MONTH PENSION STARTED -1
    KQ258_2         SP MONTH PENSION STARTED -2
    KQ264           SP ALL OTH PENS AMT REC - LAST MONTH
    KQ273           R OR SP INCOME FROM ANNUITIES
    KQ274           WHO RECEIVED INC FROM ANNUITIES
    KQ275           R INCOME FROM  MORE THAN ONE ANNUITIES
    KQ276           R NUMBER OF ANNUITIES INCOME
    KQ278_1         R AMT FROM ANNUITY - LAST MONTH -1
    KQ278_2         R AMT FROM ANNUITY - LAST MONTH -2
    KQ279_1         R AMT FROM ANNUITY - MIN -1
    KQ279_2         R AMT FROM ANNUITY - MIN -2
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    KQ280_1         R AMT FROM ANNUITY - MAX -1
    KQ280_2         R AMT FROM ANNUITY - MAX -2
    KQ281_1         R AMT FROM ANNUITY - RESULT -1
    KQ281_2         R AMT FROM ANNUITY - RESULT -2
    KQ283_1         R YEAR ANNUITY PMT STARTED -1
    KQ283_2         R YEAR ANNUITY PMT STARTED -2
    KQ284_1         R MONTH ANNUITY PMT STARTED -1
    KQ284_2         R MONTH ANNUITY PMT STARTED -2
    KQ290           OTHER ANNUITIES
    KQ295           MORE THAN ONE ANNUITY SP
    KQ296           NUMBER OF ANNUITIES SP
    KQ298_1         SP AMT FROM ANNUITY - LAST MONTH -1
    KQ298_2         SP AMT FROM ANNUITY - LAST MONTH -2
    KQ299_1         SP AMT FROM ANNUITY - MIN -1
    KQ299_2         SP AMT FROM ANNUITY - MIN -2
    KQ300_1         SP AMT FROM ANNUITY - MAX -1
    KQ300_2         SP AMT FROM ANNUITY - MAX -2
    KQ301_1         SP AMT FROM ANNUITY - RESULT -1
    KQ301_2         SP AMT FROM ANNUITY - RESULT -2
    KQ303_1         SP YEAR ANNUITY PMT STARTED -1
    KQ303_2         SP YEAR ANNUITY PMT STARTED -2
    KQ304_1         SP MONTH ANNUITY PMT STARTED -1
    KQ304_2         SP MONTH ANNUITY PMT STARTED -2
    KQ310           SP OTH ANNUIT PMT AMT LAST MONTH
HRS 2008:
    LQ215           PENSION RETIREMENT INCOME
    LQ216           WHO REC PENSION RETIREMENT INC
    LQ217           R INCOME FR MORE THAN ONE PENSION
    LQ218           NUMBER OF PENSIONS R RECEIVED
    LQ220_1         R AMT RECV FR PENSION - LAST MONTH -1
    LQ220_2         R AMT RECV FR PENSION - LAST MONTH -2
    LQ221_1         R AMT RECV FROM PENSION - MIN -1
    LQ221_2         R AMT RECV FROM PENSION - MIN -2
    LQ222_1         R AMT RECV FROM PENSION - MAX -1
    LQ222_2         R AMT RECV FROM PENSION - MAX -2
    LQ223_1         R AMT RECV FROM PENSION - RESULT -1
    LQ223_2         R AMT RECV FROM PENSION - RESULT -2
    LQ231_1         R YEAR PENSION STARTED -1
    LQ231_2         R YEAR PENSION STARTED -2
    LQ232_1         R MONTH PENSION STARTED -1
    LQ232_2         R MONTH PENSION STARTED -2
    LQ238           OTHER PENSIONS
    LQ243           SP PENSION
    LQ244           SP NUMBER OF PENSIONS
    LQ246_1         SP AMT RECV FR PENSION - LAST MONTH -1
    LQ246_2         SP AMT RECV FR PENSION - LAST MONTH -2
    LQ247_1         SP AMT RECV FROM PENSION - MIN -1
    LQ247_2         SP AMT RECV FROM PENSION - MIN -2
    LQ248_1         SP AMT RECV FROM PENSION - MAX -1
    LQ248_2         SP AMT RECV FROM PENSION  - MAX -2
    LQ249_1         SP AMT RECV FROM PENSION - RESULT -1
    LQ249_2         SP AMT RECV FROM PENSION  - RESULT -2
    LQ257_1         SP YEAR PENSION STARTED -1
    LQ257_2         SP YEAR PENSION STARTED -2
    LQ258_1         SP MONTH PENSION STARTED -1
    LQ258_2         SP MONTH PENSION STARTED -2
    LQ264           SP ALL OTH PENS AMT REC - LAST MONTH
    LQ273           R OR SP INCOME FROM ANNUITIES
    LQ274           WHO RECEIVED INC FROM ANNUITIES
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    LQ275           R INCOME FROM  MORE THAN ONE ANNUITIES
    LQ276           R NUMBER OF ANNUITIES INCOME
    LQ278_1         R AMT FROM ANNUITY - LAST MONTH -1
    LQ278_2         R AMT FROM ANNUITY - LAST MONTH -2
    LQ279_1         R AMT FROM ANNUITY - MIN -1
    LQ279_2         R AMT FROM ANNUITY - MIN -2
    LQ280_1         R AMT FROM ANNUITY - MAX -1
    LQ280_2         R AMT FROM ANNUITY - MAX -2
    LQ281_1         R AMT FROM ANNUITY - RESULT -1
    LQ281_2         R AMT FROM ANNUITY - RESULT -2
    LQ283_1         R YEAR ANNUITY PMT STARTED -1
    LQ283_2         R YEAR ANNUITY PMT STARTED -2
    LQ284_1         R MONTH ANNUITY PMT STARTED -1
    LQ284_2         R MONTH ANNUITY PMT STARTED -2
    LQ290           OTHER ANNUITIES
    LQ295           MORE THAN ONE ANNUITY SP
    LQ296           NUMBER OF ANNUITIES SP
    LQ298_1         SP AMT FROM ANNUITY - LAST MONTH -1
    LQ298_2         SP AMT FROM ANNUITY - LAST MONTH -2
    LQ299_1         SP AMT FROM ANNUITY - MIN -1
    LQ299_2         SP AMT FROM ANNUITY - MIN -2
    LQ300_1         SP AMT FROM ANNUITY - MAX -1
    LQ300_2         SP AMT FROM ANNUITY - MAX -2
    LQ301_1         SP AMT FROM ANNUITY - RESULT -1
    LQ301_2         SP AMT FROM ANNUITY - RESULT -2
    LQ303_1         SP YEAR ANNUITY PMT STARTED -1
    LQ303_2         SP YEAR ANNUITY PMT STARTED -2
    LQ304_1         SP MONTH ANNUITY PMT STARTED -1
    LQ304_2         SP MONTH ANNUITY PMT STARTED -2
    LQ310           SP OTH ANNUIT PMT AMT LAST MONTH
HRS 2010:
    MQ215           PENSION RETIREMENT INCOME
    MQ216           WHO REC PENSION RETIREMENT INC
    MQ217           R INCOME FR MORE THAN ONE PENSION
    MQ218           NUMBER OF PENSIONS R RECEIVED
    MQ220_1         R AMT RECV FR PENSION - LAST MONTH -1
    MQ220_2         R AMT RECV FR PENSION - LAST MONTH -2
    MQ221_1         R AMT RECV FROM PENSION - MIN -1
    MQ221_2         R AMT RECV FROM PENSION - MIN -2
    MQ222_1         R AMT RECV FROM PENSION - MAX -1
    MQ222_2         R AMT RECV FROM PENSION - MAX -2
    MQ223_1         R AMT RECV FROM PENSION - RESULT -1
    MQ223_2         R AMT RECV FROM PENSION - RESULT -2
    MQ231_1         R YEAR PENSION STARTED -1
    MQ231_2         R YEAR PENSION STARTED -2
    MQ232_1         R MONTH PENSION STARTED -1
    MQ232_2         R MONTH PENSION STARTED -2
    MQ238           OTHER PENSIONS
    MQ243           SP PENSION
    MQ244           SP NUMBER OF PENSIONS
    MQ246_1         SP AMT RECV FR PENSION - LAST MONTH -1
    MQ246_2         SP AMT RECV FR PENSION - LAST MONTH -2
    MQ247_1         SP AMT RECV FROM PENSION - MIN -1
    MQ247_2         SP AMT RECV FROM PENSION - MIN -2
    MQ248_1         SP AMT RECV FROM PENSION - MAX -1
    MQ248_2         SP AMT RECV FROM PENSION  - MAX -2
    MQ249_1         SP AMT RECV FROM PENSION - RESULT -1
    MQ249_2         SP AMT RECV FROM PENSION  - RESULT -2
    MQ257_1         SP YEAR PENSION STARTED -1
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    MQ257_2         SP YEAR PENSION STARTED -2
    MQ258_1         SP MONTH PENSION STARTED -1
    MQ258_2         SP MONTH PENSION STARTED -2
    MQ264           SP ALL OTH PENS AMT REC - LAST MONTH
    MQ273           R OR SP INCOME FROM ANNUITIES
    MQ274           WHO RECEIVED INC FROM ANNUITIES
    MQ275           R INCOME FROM  MORE THAN ONE ANNUITIES
    MQ276           R NUMBER OF ANNUITIES INCOME
    MQ278_1         R AMT FROM ANNUITY - LAST MONTH -1
    MQ278_2         R AMT FROM ANNUITY - LAST MONTH -2
    MQ279_1         R AMT FROM ANNUITY - MIN -1
    MQ279_2         R AMT FROM ANNUITY - MIN -2
    MQ280_1         R AMT FROM ANNUITY - MAX -1
    MQ280_2         R AMT FROM ANNUITY - MAX -2
    MQ281_1         R AMT FROM ANNUITY - RESULT -1
    MQ281_2         R AMT FROM ANNUITY - RESULT -2
    MQ283_1         R YEAR ANNUITY PMT STARTED -1
    MQ283_2         R YEAR ANNUITY PMT STARTED -2
    MQ284_1         R MONTH ANNUITY PMT STARTED -1
    MQ284_2         R MONTH ANNUITY PMT STARTED -2
    MQ290           OTHER ANNUITIES
    MQ295           MORE THAN ONE ANNUITY SP
    MQ296           NUMBER OF ANNUITIES SP
    MQ298_1         SP AMT FROM ANNUITY - LAST MONTH -1
    MQ298_2         SP AMT FROM ANNUITY - LAST MONTH -2
    MQ299_1         SP AMT FROM ANNUITY - MIN -1
    MQ299_2         SP AMT FROM ANNUITY - MIN -2
    MQ300_1         SP AMT FROM ANNUITY - MAX -1
    MQ300_2         SP AMT FROM ANNUITY - MAX -2
    MQ301_1         SP AMT FROM ANNUITY - RESULT -1
    MQ301_2         SP AMT FROM ANNUITY - RESULT -2
    MQ303_1         SP YEAR ANNUITY PMT STARTED -1
    MQ303_2         SP YEAR ANNUITY PMT STARTED -2
    MQ304_1         SP MONTH ANNUITY PMT STARTED -1
    MQ304_2         SP MONTH ANNUITY PMT STARTED -2
    MQ310           SP OTH ANNUIT PMT AMT LAST MONTH
    MQ524_1         R INCOME FROM ANNUITY - LAST YEAR -1
    MQ524_2         R INCOME FROM ANNUITY - LAST YEAR -2
    MQ525_1         R AMOUNT FROM ANNUITY - LAST YEAR -1
    MQ525_2         R AMOUNT FROM ANNUITY - LAST YEAR -2
    MQ526           R INCOME FROM OTHER ANNUITY - LAST YEAR
    MQ527           R AMOUNT FROM OTHER ANNUITY - LAST YEAR
    MQ528_1         SP INCOME FROM ANNUITY - LAST YEAR -1
    MQ529_1         SP AMOUNT FROM ANNUITY - LAST YEAR -1
    MQ530           SP INCOME FROM OTHER ANNUITY - LAST YEAR
    MQ531           SP AMOUNT FROM OTHER ANNUITY - LAST YR
HRS 2012:
    NJ2W014_1       AGE WHEN BENEFITS STARTED -1_1
    NJ2W014_10      AGE WHEN BENEFITS STARTED -1_10
    NJ2W014_2       AGE WHEN BENEFITS STARTED -1_2
    NJ2W014_3       AGE WHEN BENEFITS STARTED -1_3
    NJ2W014_4       AGE WHEN BENEFITS STARTED -1_4
    NJ2W014_5       AGE WHEN BENEFITS STARTED -1_5
    NJ2W014_6       AGE WHEN BENEFITS STARTED -1_6
    NJ2W014_7       AGE WHEN BENEFITS STARTED -1_7
    NJ2W014_8       AGE WHEN BENEFITS STARTED -1_8
    NJ2W014_9       AGE WHEN BENEFITS STARTED -1_9
    NJ2W015_1       AMOUNT OF BENEFITS -1_1
    NJ2W015_10      AMOUNT OF BENEFITS -1_10
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NJ2W015_2       AMOUNT OF BENEFITS -1_2
NJ2W015_3       AMOUNT OF BENEFITS -1_3
NJ2W015_4       AMOUNT OF BENEFITS -1_4
NJ2W015_5       AMOUNT OF BENEFITS -1_5
NJ2W015_6       AMOUNT OF BENEFITS -1_6
NJ2W015_7       AMOUNT OF BENEFITS -1_7
NJ2W015_8       AMOUNT OF BENEFITS -1_8
NJ2W015_9       AMOUNT OF BENEFITS -1_9
NJ2W016_1       AMOUNT OF BENEFITS PER -1_1
NJ2W016_10      AMOUNT OF BENEFITS PER -1_10
NJ2W016_2       AMOUNT OF BENEFITS PER -1_2
NJ2W016_3       AMOUNT OF BENEFITS PER -1_3
NJ2W016_4       AMOUNT OF BENEFITS PER -1_4
NJ2W016_5       AMOUNT OF BENEFITS PER -1_5
NJ2W016_6       AMOUNT OF BENEFITS PER -1_6
NJ2W016_7       AMOUNT OF BENEFITS PER -1_7
NJ2W016_8       AMOUNT OF BENEFITS PER -1_8
NJ2W016_9       AMOUNT OF BENEFITS PER -1_9
NJ2W086_1       AGE WHEN BENEFITS STARTED MONTHS -1_1
NJ2W086_10      AGE WHEN BENEFITS STARTED MONTHS -1_10
NJ2W086_2       AGE WHEN BENEFITS STARTED MONTHS -1_2
NJ2W086_3       AGE WHEN BENEFITS STARTED MONTHS -1_3
NJ2W086_4       AGE WHEN BENEFITS STARTED MONTHS -1_4
NJ2W086_5       AGE WHEN BENEFITS STARTED MONTHS -1_5
NJ2W086_6       AGE WHEN BENEFITS STARTED MONTHS -1_6
NJ2W086_7       AGE WHEN BENEFITS STARTED MONTHS -1_7
NJ2W086_8       AGE WHEN BENEFITS STARTED MONTHS -1_8
NJ2W086_9       AGE WHEN BENEFITS STARTED MONTHS -1_9
NJ2W108_1       STARTED RECEIVING ANNUITY -1_1
NJ2W108_10      STARTED RECEIVING ANNUITY -1_10
NJ2W108_2       STARTED RECEIVING ANNUITY -1_2
NJ2W108_3       STARTED RECEIVING ANNUITY -1_3
NJ2W108_4       STARTED RECEIVING ANNUITY -1_4
NJ2W108_5       STARTED RECEIVING ANNUITY -1_5
NJ2W108_6       STARTED RECEIVING ANNUITY -1_6
NJ2W108_7       STARTED RECEIVING ANNUITY -1_7
NJ2W108_8       STARTED RECEIVING ANNUITY -1_8
NJ2W108_9       STARTED RECEIVING ANNUITY -1_9
NJ2W426_1       RECEIVING BENEFITS -1_1
NJ2W426_10      RECEIVING BENEFITS -1_10
NJ2W426_2       RECEIVING BENEFITS -1_2
NJ2W426_3       RECEIVING BENEFITS -1_3
NJ2W426_4       RECEIVING BENEFITS -1_4
NJ2W426_5       RECEIVING BENEFITS -1_5
NJ2W426_6       RECEIVING BENEFITS -1_6
NJ2W426_7       RECEIVING BENEFITS -1_7
NJ2W426_8       RECEIVING BENEFITS -1_8
NJ2W426_9       RECEIVING BENEFITS -1_9
NJ2W434_1       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_1
NJ2W434_10      PLAN STATUS-RECEIVING REGULAR BENEFITS -1_10
NJ2W434_2       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_2
NJ2W434_3       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_3
NJ2W434_4       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_4
NJ2W434_5       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_5
NJ2W434_6       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_6
NJ2W434_7       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_7
NJ2W434_8       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_8
NJ2W434_9       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_9
NJ2W440_1       PLAN STATUS-CONVERTED TO ANNUITY -1_1
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NJ2W440_10	PLAN STATUS-CONVERTED TO ANNUITY -1_10
NJ2W440_2	PLAN STATUS-CONVERTED TO ANNUITY -1_2
NJ2W440_3	PLAN STATUS-CONVERTED TO ANNUITY -1_3
NJ2W440_4	PLAN STATUS-CONVERTED TO ANNUITY -1_4
NJ2W440_5	PLAN STATUS-CONVERTED TO ANNUITY -1_5
NJ2W440_6	PLAN STATUS-CONVERTED TO ANNUITY -1_6
NJ2W440_7	PLAN STATUS-CONVERTED TO ANNUITY -1_7
NJ2W440_8	PLAN STATUS-CONVERTED TO ANNUITY -1_8
NJ2W440_9	PLAN STATUS-CONVERTED TO ANNUITY -1_9
NQ215	PENSION RETIREMENT INCOME
NQ216	WHO REC PENSION RETIREMENT INC
NQ217	R INCOME FR MORE THAN ONE PENSION
NQ218	NUMBER OF PENSIONS R RECEIVED
NQ220_1	R AMT RECV FR PENSION - LAST MONTH -1
NQ220_2	R AMT RECV FR PENSION - LAST MONTH -2
NQ221_1	R AMT RECV FROM PENSION - MIN -1
NQ221_2	R AMT RECV FROM PENSION - MIN -2
NQ222_1	R AMT RECV FROM PENSION - MAX -1
NQ222_2	R AMT RECV FROM PENSION - MAX -2
NQ223_1	R AMT RECV FROM PENSION - RESULT -1
NQ223_2	R AMT RECV FROM PENSION - RESULT -2
NQ231_1	R YEAR PENSION STARTED -1
NQ231_2	R YEAR PENSION STARTED -2
NQ232_1	R MONTH PENSION STARTED -1
NQ232_2	R MONTH PENSION STARTED -2
NQ238	OTHER PENSIONS
NQ243	SP PENSION
NQ244	SP NUMBER OF PENSIONS
NQ246_1	SP AMT RECV FR PENSION - LAST MONTH -1
NQ246_2	SP AMT RECV FR PENSION - LAST MONTH -2
NQ247_1	SP AMT RECV FROM PENSION - MIN -1
NQ247_2	SP AMT RECV FROM PENSION - MIN -2
NQ248_1	SP AMT RECV FROM PENSION - MAX -1
NQ248_2	SP AMT RECV FROM PENSION - MAX -2
NQ249_1	SP AMT RECV FROM PENSION - RESULT -1
NQ249_2	SP AMT RECV FROM PENSION - RESULT -2
NQ257_1	SP YEAR PENSION STARTED -1
NQ257_2	SP YEAR PENSION STARTED -2
NQ258_1	SP MONTH PENSION STARTED -1
NQ258_2	SP MONTH PENSION STARTED -2
NQ264	SP ALL OTH PENS AMT REC - LAST MONTH
NQ273	R OR SP INCOME FROM ANNUITIES
NQ274	WHO RECEIVED INC FROM ANNUITIES
NQ275	R INCOME FROM MORE THAN ONE ANNUITY
NQ276	R NUMBER OF ANNUITIES INCOME
NQ278_1	R AMT FROM ANNUITY - LAST MONTH -1
NQ278_2	R AMT FROM ANNUITY - LAST MONTH -2
NQ279_1	R AMT FROM ANNUITY - MIN -1
NQ279_2	R AMT FROM ANNUITY - MIN -2
NQ280_1	R AMT FROM ANNUITY - MAX -1
NQ280_2	R AMT FROM ANNUITY - MAX -2
NQ281_1	R AMT FROM ANNUITY - RESULT -1
NQ281_2	R AMT FROM ANNUITY - RESULT -2
NQ283_1	R YEAR ANNUITY PMT STARTED -1
NQ283_2	R YEAR ANNUITY PMT STARTED -2
NQ284_1	R MONTH ANNUITY PMT STARTED -1
NQ284_2	R MONTH ANNUITY PMT STARTED -2
NQ290	OTHER ANNUITIES
NQ295	MORE THAN ONE ANNUITY SP

```
    NQ296           NUMBER OF ANNUITIES SP
    NQ298_1         SP AMT FROM ANNUITY - LAST MONTH -1
    NQ298_2         SP AMT FROM ANNUITY - LAST MONTH -2
    NQ299_1         SP AMT FROM ANNUITY - MIN -1
    NQ299_2         SP AMT FROM ANNUITY - MIN -2
    NQ300_1         SP AMT FROM ANNUITY - MAX -1
    NQ300_2         SP AMT FROM ANNUITY - MAX -2
    NQ301_1         SP AMT FROM ANNUITY - RESULT -1
    NQ301_2         SP AMT FROM ANNUITY - RESULT -2
    NQ303_1         SP YEAR ANNUITY PMT STARTED -1
    NQ303_2         SP YEAR ANNUITY PMT STARTED -2
    NQ304_1         SP MONTH ANNUITY PMT STARTED -1
    NQ304_2         SP MONTH ANNUITY PMT STARTED -2
    NQ310           SP OTH ANNUIT PMT AMT LAST MONTH
    NQ524_1         R INCOME FROM ANNUITY - LAST YEAR -1
    NQ524_2         R INCOME FROM ANNUITY - LAST YEAR -2
    NQ525_1         R AMOUNT FROM ANNUITY - LAST YEAR -1
    NQ525_2         R AMOUNT FROM ANNUITY - LAST YEAR -2
    NQ526           R INCOME FROM OTHER ANNUITY - LAST YEAR
    NQ527           R AMOUNT FROM OTHER ANNUITY - LAST YEAR
    NQ528_1         SP INCOME FROM ANNUITY - LAST YEAR -1
    NQ529_1         SP AMOUNT FROM ANNUITY - LAST YEAR -1
    NQ530           SP INCOME FROM OTHER ANNUITY - LAST YEAR
    NQ531           SP AMOUNT FROM OTHER ANNUITY - LAST YR
HRS 2014:
    OJ2W014_1       AGE WHEN BENEFITS STARTED_1
    OJ2W014_10      AGE WHEN BENEFITS STARTED_10
    OJ2W014_2       AGE WHEN BENEFITS STARTED_2
    OJ2W014_3       AGE WHEN BENEFITS STARTED_3
    OJ2W014_4       AGE WHEN BENEFITS STARTED_4
    OJ2W014_5       AGE WHEN BENEFITS STARTED_5
    OJ2W014_6       AGE WHEN BENEFITS STARTED_6
    OJ2W014_7       AGE WHEN BENEFITS STARTED_7
    OJ2W014_8       AGE WHEN BENEFITS STARTED_8
    OJ2W014_9       AGE WHEN BENEFITS STARTED_9
    OJ2W015_1       AMOUNT OF BENEFITS_1
    OJ2W015_10      AMOUNT OF BENEFITS_10
    OJ2W015_2       AMOUNT OF BENEFITS_2
    OJ2W015_3       AMOUNT OF BENEFITS_3
    OJ2W015_4       AMOUNT OF BENEFITS_4
    OJ2W015_5       AMOUNT OF BENEFITS_5
    OJ2W015_6       AMOUNT OF BENEFITS_6
    OJ2W015_7       AMOUNT OF BENEFITS_7
    OJ2W015_8       AMOUNT OF BENEFITS_8
    OJ2W015_9       AMOUNT OF BENEFITS_9
    OJ2W016_1       AMOUNT OF BENEFITS PER_1
    OJ2W016_10      AMOUNT OF BENEFITS PER_10
    OJ2W016_2       AMOUNT OF BENEFITS PER_2
    OJ2W016_3       AMOUNT OF BENEFITS PER_3
    OJ2W016_4       AMOUNT OF BENEFITS PER_4
    OJ2W016_5       AMOUNT OF BENEFITS PER_5
    OJ2W016_6       AMOUNT OF BENEFITS PER_6
    OJ2W016_7       AMOUNT OF BENEFITS PER_7
    OJ2W016_8       AMOUNT OF BENEFITS PER_8
    OJ2W016_9       AMOUNT OF BENEFITS PER_9
    OJ2W086_1       AGE WHEN BENEFITS STARTED MONTHS_1
    OJ2W086_10      AGE WHEN BENEFITS STARTED MONTHS_10
    OJ2W086_2       AGE WHEN BENEFITS STARTED MONTHS_2
    OJ2W086_3       AGE WHEN BENEFITS STARTED MONTHS_3
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OJ2W086_4	AGE WHEN BENEFITS STARTED MONTHS_4
OJ2W086_5	AGE WHEN BENEFITS STARTED MONTHS_5
OJ2W086_6	AGE WHEN BENEFITS STARTED MONTHS_6
OJ2W086_7	AGE WHEN BENEFITS STARTED MONTHS_7
OJ2W086_8	AGE WHEN BENEFITS STARTED MONTHS_8
OJ2W086_9	AGE WHEN BENEFITS STARTED MONTHS_9
OJ2W108_1	STARTED RECEIVING ANNUITY_1
OJ2W108_10	STARTED RECEIVING ANNUITY_10
OJ2W108_2	STARTED RECEIVING ANNUITY_2
OJ2W108_3	STARTED RECEIVING ANNUITY_3
OJ2W108_4	STARTED RECEIVING ANNUITY_4
OJ2W108_5	STARTED RECEIVING ANNUITY_5
OJ2W108_6	STARTED RECEIVING ANNUITY_6
OJ2W108_7	STARTED RECEIVING ANNUITY_7
OJ2W108_8	STARTED RECEIVING ANNUITY_8
OJ2W108_9	STARTED RECEIVING ANNUITY_9
OJ2W426_1	RECEIVING BENEFITS_1
OJ2W426_10	RECEIVING BENEFITS_10
OJ2W426_2	RECEIVING BENEFITS_2
OJ2W426_3	RECEIVING BENEFITS_3
OJ2W426_4	RECEIVING BENEFITS_4
OJ2W426_5	RECEIVING BENEFITS_5
OJ2W426_6	RECEIVING BENEFITS_6
OJ2W426_7	RECEIVING BENEFITS_7
OJ2W426_8	RECEIVING BENEFITS_8
OJ2W426_9	RECEIVING BENEFITS_9
OJ2W434_1	PLAN STATUS - RECEIVING REGULAR BENEFITS_1
OJ2W434_10	PLAN STATUS - RECEIVING REGULAR BENEFITS_10
OJ2W434_2	PLAN STATUS - RECEIVING REGULAR BENEFITS_2
OJ2W434_3	PLAN STATUS - RECEIVING REGULAR BENEFITS_3
OJ2W434_4	PLAN STATUS - RECEIVING REGULAR BENEFITS_4
OJ2W434_5	PLAN STATUS - RECEIVING REGULAR BENEFITS_5
OJ2W434_6	PLAN STATUS - RECEIVING REGULAR BENEFITS_6
OJ2W434_7	PLAN STATUS - RECEIVING REGULAR BENEFITS_7
OJ2W434_8	PLAN STATUS - RECEIVING REGULAR BENEFITS_8
OJ2W434_9	PLAN STATUS - RECEIVING REGULAR BENEFITS_9
OJ2W440_1	PLAN STATUS - CONVERTED TO ANNUITY_1
OJ2W440_10	PLAN STATUS - CONVERTED TO ANNUITY_10
OJ2W440_2	PLAN STATUS - CONVERTED TO ANNUITY_2
OJ2W440_3	PLAN STATUS - CONVERTED TO ANNUITY_3
OJ2W440_4	PLAN STATUS - CONVERTED TO ANNUITY_4
OJ2W440_5	PLAN STATUS - CONVERTED TO ANNUITY_5
OJ2W440_6	PLAN STATUS - CONVERTED TO ANNUITY_6
OJ2W440_7	PLAN STATUS - CONVERTED TO ANNUITY_7
OJ2W440_8	PLAN STATUS - CONVERTED TO ANNUITY_8
OJ2W440_9	PLAN STATUS - CONVERTED TO ANNUITY_9
OQ215	PENSION RETIREMENT INCOME
OQ216	WHO REC PENSION RETIREMENT INC
OQ217	R INCOME FR MORE THAN ONE PENSION
OQ218	NUMBER OF PENSIONS R RECEIVED
OQ220_1	R AMT RECV FR PENSION - LAST MONTH -1
OQ220_2	R AMT RECV FR PENSION - LAST MONTH -2
OQ221_1	R AMT RECV FROM PENSION - MIN -1
OQ221_2	R AMT RECV FROM PENSION - MIN -2
OQ222_1	R AMT RECV FROM PENSION - MAX -1
OQ222_2	R AMT RECV FROM PENSION - MAX -2
OQ223_1	R AMT RECV FROM PENSION - RESULT -1
OQ223_2	R AMT RECV FROM PENSION - RESULT -2
OQ231_1	R YEAR PENSION STARTED -1

OQ231_2	R YEAR PENSION STARTED -2
OQ232_1	R MONTH PENSION STARTED -1
OQ232_2	R MONTH PENSION STARTED -2
OQ238	OTHER PENSIONS
OQ243	SP PENSION
OQ244	SP NUMBER OF PENSIONS
OQ246_1	SP AMT RECV FR PENSION - LAST MONTH -1
OQ246_2	SP AMT RECV FR PENSION - LAST MONTH -2
OQ247_1	SP AMT RECV FROM PENSION - MIN -1
OQ247_2	SP AMT RECV FROM PENSION - MIN -2
OQ248_1	SP AMT RECV FROM PENSION - MAX -1
OQ248_2	SP AMT RECV FROM PENSION - MAX -2
OQ249_1	SP AMT RECV FROM PENSION - RESULT -1
OQ249_2	SP AMT RECV FROM PENSION - RESULT -2
OQ257_1	SP YEAR PENSION STARTED -1
OQ257_2	SP YEAR PENSION STARTED -2
OQ258_1	SP MONTH PENSION STARTED -1
OQ258_2	SP MONTH PENSION STARTED -2
OQ264	SP ALL OTH PENS AMT REC - LAST MONTH
OQ273	R OR SP INCOME FROM ANNUITIES
OQ274	WHO RECEIVED INC FROM ANNUITIES
OQ275	R INCOME FROM MORE THAN ONE ANNUITY
OQ276	R NUMBER OF ANNUITIES INCOME
OQ278_1	R AMT FROM ANNUITY - LAST MONTH -1
OQ278_2	R AMT FROM ANNUITY - LAST MONTH -2
OQ279_1	R AMT FROM ANNUITY - MIN -1
OQ279_2	R AMT FROM ANNUITY - MIN -2
OQ280_1	R AMT FROM ANNUITY - MAX -1
OQ280_2	R AMT FROM ANNUITY - MAX -2
OQ281_1	R AMT FROM ANNUITY - RESULT -1
OQ281_2	R AMT FROM ANNUITY - RESULT -2
OQ283_1	R YEAR ANNUITY PMT STARTED -1
OQ283_2	R YEAR ANNUITY PMT STARTED -2
OQ284_1	R MONTH ANNUITY PMT STARTED -1
OQ284_2	R MONTH ANNUITY PMT STARTED -2
OQ290	OTHER ANNUITIES
OQ295	MORE THAN ONE ANNUITY SP
OQ296	NUMBER OF ANNUITIES SP
OQ298_1	SP AMT FROM ANNUITY - LAST MONTH -1
OQ298_2	SP AMT FROM ANNUITY - LAST MONTH -2
OQ299_1	SP AMT FROM ANNUITY - MIN -1
OQ299_2	SP AMT FROM ANNUITY - MIN -2
OQ300_1	SP AMT FROM ANNUITY - MAX -1
OQ300_2	SP AMT FROM ANNUITY - MAX -2
OQ301_1	SP AMT FROM ANNUITY - RESULT -1
OQ301_2	SP AMT FROM ANNUITY - RESULT -2
OQ303_1	SP YEAR ANNUITY PMT STARTED -1
OQ303_2	SP YEAR ANNUITY PMT STARTED -2
OQ304_1	SP MONTH ANNUITY PMT STARTED -1
OQ304_2	SP MONTH ANNUITY PMT STARTED -2
OQ310	SP OTH ANNUIT PMT AMT LAST MONTH
OQ524_1	R INCOME FROM ANNUITY - LAST YEAR -1
OQ524_2	R INCOME FROM ANNUITY - LAST YEAR -2
OQ525_1	R AMOUNT FROM ANNUITY - LAST YEAR -1
OQ525_2	R AMOUNT FROM ANNUITY - LAST YEAR -2
OQ526	R INCOME FROM OTHER ANNUITY - LAST YEAR
OQ527	R AMOUNT FROM OTHER ANNUITY - LAST YEAR
OQ528_1	SP INCOME FROM ANNUITY - LAST YEAR -1
OQ529_1	SP AMOUNT FROM ANNUITY - LAST YEAR -1

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    OQ530           SP INCOME FROM OTHER ANNUITY - LAST YEAR
    OQ531           SP AMOUNT FROM OTHER ANNUITY - LAST YR
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    EFINR           1996 WHETHER FINANCIAL RESPONDENT
    FFINR           1998 WHETHER FINANCIAL RESPONDENT
    GFINR           2000 WHETHER FINANCIAL RESPONDENT
    HFINR           2002 WHETHER FINANCIAL RESPONDENT
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
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Individual Income from Social Security DI or SSI

Wave	Variable	Label	Type
1	R1ISSDI	R1ISSDI:W1 Income:R SSI + SS Disability	Cont
2	R2ISSDI	R2ISSDI:W2 Income:R SSI + SS Disability	Cont
3	R3ISSDI	R3ISSDI:W3 Income:R SSI + SS Disability	Cont
4	R4ISSDI	R4ISSDI:W4 Income:R SSI + SS Disablity	Cont
5	R5ISSDI	R5ISSDI:W5 Income:R SSI + SS Disability	Cont
6	R6ISSDI	R6ISSDI:W6 Income:R SSI + SS Disability	Cont
7	R7ISSDI	R7ISSDI:W7 Income:R SSI + SS Disability	Cont
8	R8ISSDI	R8ISSDI:W8 Income:R SSI + SS Disability	Cont
9	R9ISSDI	R9ISSDI:W9 Income:R SSI + SS Disability	Cont
10	R10ISSDI	R10ISSDI:W10 Income:R SSI + SS Disability	Cont
11	R11ISSDI	R11ISSDI:W11 Income:R SSI + SS Disability	Cont
12	R12ISSDI	R12ISSDI:W12 Income:R SSI + SS Disability	Cont
1	S1ISSDI	S1ISSDI:W1 Income:Sp SSI + SS Disability	Cont
2	S2ISSDI	S2ISSDI:W2 Income:Sp SSI + SS Disability	Cont
3	S3ISSDI	S3ISSDI:W3 Income:Sp SSI + SS Disability	Cont
4	S4ISSDI	S4ISSDI:W4 Income:Sp SSI + SS Disablity	Cont
5	S5ISSDI	S5ISSDI:W5 Income:Sp SSI + SS Disability	Cont
6	S6ISSDI	S6ISSDI:W6 Income:Sp SSI + SS Disability	Cont
7	S7ISSDI	S7ISSDI:W7 Income:Sp SSI + SS Disability	Cont
8	S8ISSDI	S8ISSDI:W8 Income:Sp SSI + SS Disability	Cont
9	S9ISSDI	S9ISSDI:W9 Income:Sp SSI + SS Disability	Cont
10	S10ISSDI	S10ISSDI:W10 Income:Sp SSI + SS Disability	Cont
11	S11ISSDI	S11ISSDI:W11 Income:Sp SSI + SS Disability	Cont
12	S12ISSDI	S12ISSDI:W12 Income:Sp SSI + SS Disability	Cont
1	R1IFSSDI	R1IFSSDI:W1 ImpFlag:R SSI + SS Disability	Categ
2	R2IFSSDI	R2IFSSDI:W2 ImpFlag:R SSI + SS Disability	Categ
3	R3IFSSDI	R3IFSSDI:W3 ImpFlag:R SSI + SS Disability	Categ
4	R4IFSSDI	R4IFSSDI:W4 ImpFlag:R SSI + SS Disablity	Categ
5	R5IFSSDI	R5IFSSDI:W5 ImpFlag:R SSI + SS Disability	Categ
6	R6IFSSDI	R6IFSSDI:W6 ImpFlag:R SSI + SS Disability	Categ
7	R7IFSSDI	R7IFSSDI:W7 ImpFlag:R SSI + SS Disability	Categ
8	R8IFSSDI	R8IFSSDI:W8 ImpFlag:R SSI + SS Disability	Categ
9	R9IFSSDI	R9IFSSDI:W9 ImpFlag:R SSI + SS Disability	Categ
10	R10IFSSDI	R10IFSSDI:W10 ImpFlag:R SSI + SS Disability	Categ
11	R11IFSSDI	R11IFSSDI:W11 ImpFlag:R SSI + SS Disability	Categ
12	R12IFSSDI	R12IFSSDI:W12 ImpFlag:R SSI + SS Disability	Categ
1	S1IFSSDI	S1IFSSDI:W1 ImpFlag:Sp SSI + SS Disability	Categ
2	S2IFSSDI	S2IFSSDI:W2 ImpFlag:Sp SSI + SS Disability	Categ
3	S3IFSSDI	S3IFSSDI:W3 ImpFlag:Sp SSI + SS Disability	Categ
4	S4IFSSDI	S4IFSSDI:W4 ImpFlag:Sp SSI + SS Disablty	Categ
5	S5IFSSDI	S5IFSSDI:W5 ImpFlag:Sp SSI + SS Disability	Categ
6	S6IFSSDI	S6IFSSDI:W6 ImpFlag:Sp SSI + SS Disability	Categ
7	S7IFSSDI	S7IFSSDI:W7 ImpFlag:Sp SSI + SS Disability	Categ
8	S8IFSSDI	S8IFSSDI:W8 ImpFlag:Sp SSI + SS Disability	Categ
9	S9IFSSDI	S9IFSSDI:W9 ImpFlag:Sp SSI + SS Disability	Categ
10	S10IFSSDI	S10IFSSDI:W10 ImpFlag:Sp SSI + SS Disability	Categ
11	S11IFSSDI	S11IFSSDI:W11 ImpFlag:Sp SSI + SS Disability	Categ
12	S12IFSSDI	S12IFSSDI:W12 ImpFlag:Sp SSI + SS Disability	Categ
1	R1ISDI	R1ISDI:W1 IncPart-SocSec DI	Cont
2	R2ISDI	R2ISDI:W2 IncPart-SocSec DI	Cont
3	R3ISDI	R3ISDI:W3 IncPart-SocSec DI	Cont
4	R4ISDI	R4ISDI:W4 IncPart-SocSec DI	Cont
5	R5ISDI	R5ISDI:W5 IncPart-SocSec DI	Cont
6	R6ISDI	R6ISDI:W6 IncPart-SocSec DI	Cont
7	R7ISDI	R7ISDI:W7 IncPart-SocSec DI	Cont
8	R8ISDI	R8ISDI:W8 IncPart-SocSec DI	Cont
9	R9ISDI	R9ISDI:W9 IncPart-SocSec DI	Cont
10	R10ISDI	R10ISDI:W10 IncPart-SocSec DI	Cont
11	R11ISDI	R11ISDI:W11 IncPart-SocSec DI	Cont
12	R12ISDI	R12ISDI:W12 IncPart-SocSec DI	Cont
1	S1ISDI	S1ISDI:W1 IncPart-SocSec DI	Cont

2	S2ISDI	S2ISDI:W2 IncPart-SocSec DI	Cont
3	S3ISDI	S3ISDI:W3 IncPart-SocSec DI	Cont
4	S4ISDI	S4ISDI:W4 IncPart-SocSec DI	Cont
5	S5ISDI	S5ISDI:W5 IncPart-SocSec DI	Cont
6	S6ISDI	S6ISDI:W6 IncPart-SocSec DI	Cont
7	S7ISDI	S7ISDI:W7 IncPart-SocSec DI	Cont
8	S8ISDI	S8ISDI:W8 IncPart-SocSec DI	Cont
9	S9ISDI	S9ISDI:W9 IncPart-SocSec DI	Cont
10	S10ISDI	S10ISDI:W10 IncPart-SocSec DI	Cont
11	S11ISDI	S11ISDI:W11 IncPart-SocSec DI	Cont
12	S12ISDI	S12ISDI:W12 IncPart-SocSec DI	Cont
1	R1IFSDI	R1IFSDI:W1 ImpFlag-SocSec DI	Categ
2	R2IFSDI	R2IFSDI:W2 ImpFlag-SocSec DI	Categ
3	R3IFSDI	R3IFSDI:W3 ImpFlag-SocSec DI	Categ
4	R4IFSDI	R4IFSDI:W4 ImpFlag-SocSec DI	Categ
5	R5IFSDI	R5IFSDI:W5 ImpFlag-SocSec DI	Categ
6	R6IFSDI	R6IFSDI:W6 ImpFlag-SocSec DI	Categ
7	R7IFSDI	R7IFSDI:W7 ImpFlag-SocSec DI	Categ
8	R8IFSDI	R8IFSDI:W8 ImpFlag-SocSec DI	Categ
9	R9IFSDI	R9IFSDI:W9 ImpFlag-SocSec DI	Categ
10	R10IFSDI	R10IFSDI:W10 ImpFlag-SocSec DI	Categ
11	R11IFSDI	R11IFSDI:W11 ImpFlag-SocSec DI	Categ
12	R12IFSDI	R12IFSDI:W12 ImpFlag-SocSec DI	Categ
1	S1IFSDI	S1IFSDI:W1 ImpFlag-SocSec DI	Categ
2	S2IFSDI	S2IFSDI:W2 ImpFlag-SocSec DI	Categ
3	S3IFSDI	S3IFSDI:W3 ImpFlag-SocSec DI	Categ
4	S4IFSDI	S4IFSDI:W4 ImpFlag-SocSec DI	Categ
5	S5IFSDI	S5IFSDI:W5 ImpFlag-SocSec DI	Categ
6	S6IFSDI	S6IFSDI:W6 ImpFlag-SocSec DI	Categ
7	S7IFSDI	S7IFSDI:W7 ImpFlag-SocSec DI	Categ
8	S8IFSDI	S8IFSDI:W8 ImpFlag-SocSec DI	Categ
9	S9IFSDI	S9IFSDI:W9 ImpFlag-SocSec DI	Categ
10	S10IFSDI	S10IFSDI:W10 ImpFlag-SocSec DI	Categ
11	S11IFSDI	S11IFSDI:W11 ImpFlag-SocSec DI	Categ
12	S12IFSDI	S12IFSDI:W12 ImpFlag-SocSec DI	Categ
1	R1ISSI	R1ISSI:W1 IncPart-SSI Inc	Cont
2	R2ISSI	R2ISSI:W2 IncPart-SSI Inc	Cont
3	R3ISSI	R3ISSI:W3 IncPart-SSI Inc	Cont
4	R4ISSI	R4ISSI:W4 IncPart-SSI Inc	Cont
5	R5ISSI	R5ISSI:W5 IncPart-SSI Inc	Cont
6	R6ISSI	R6ISSI:W6 IncPart-SSI Inc	Cont
7	R7ISSI	R7ISSI:W7 IncPart-SSI Inc	Cont
8	R8ISSI	R8ISSI:W8 IncPart-SSI Inc	Cont
9	R9ISSI	R9ISSI:W9 IncPart-SSI Inc	Cont
10	R10ISSI	R10ISSI:W10 IncPart-SSI Inc	Cont
11	R11ISSI	R11ISSI:W11 IncPart-SSI Inc	Cont
12	R12ISSI	R12ISSI:W12 IncPart-SSI Inc	Cont
1	S1ISSI	S1ISSI:W1 IncPart-SSI Inc	Cont
2	S2ISSI	S2ISSI:W2 IncPart-SSI Inc	Cont
3	S3ISSI	S3ISSI:W3 IncPart-SSI Inc	Cont
4	S4ISSI	S4ISSI:W4 IncPart-SSI Inc	Cont
5	S5ISSI	S5ISSI:W5 IncPart-SSI Inc	Cont
6	S6ISSI	S6ISSI:W6 IncPart-SSI Inc	Cont
7	S7ISSI	S7ISSI:W7 IncPart-SSI Inc	Cont
8	S8ISSI	S8ISSI:W8 IncPart-SSI Inc	Cont
9	S9ISSI	S9ISSI:W9 IncPart-SSI Inc	Cont
10	S10ISSI	S10ISSI:W10 IncPart-SSI Inc	Cont
11	S11ISSI	S11ISSI:W11 IncPart-SSI Inc	Cont
12	S12ISSI	S12ISSI:W12 IncPart-SSI Inc	Cont
2	H2IFSSI	H2IFSSI:W2 ImpFlag-SSI Inc	Categ
3	H3IFSSI	H3IFSSI:W3 ImpFlag-SSI Inc	Categ
4	H4IFSSI	H4IFSSI:W4 ImpFlag-SSI Inc	Categ
5	H5IFSSI	H5IFSSI:W5 ImpFlag-SSI Inc	Categ
6	H6IFSSI	H6IFSSI:W6 ImpFlag-SSI Inc	Categ
7	H7IFSSI	H7IFSSI:W7 ImpFlag-SSI Inc	Categ
8	H8IFSSI	H8IFSSI:W8 ImpFlag-SSI Inc	Categ
9	H9IFSSI	H9IFSSI:W9 ImpFlag-SSI Inc	Categ

10	H10IFSSI	H10IFSSI:W10 ImpFlag-SSI Inc	Categ
11	H11IFSSI	H11IFSSI:W11 ImpFlag-SSI Inc	Categ
12	H12IFSSI	H12IFSSI:W12 ImpFlag-SSI Inc	Categ
1	R1IFSSI	R1IFSSI:W1 ImpFlag-SSI Inc	Categ
2	R2IFSSI	R2IFSSI:W2 ImpFlag-SSI Inc	Categ
1	S1IFSSI	S1IFSSI:W1 ImpFlag-SSI Inc	Categ
2	S2IFSSI	S2IFSSI:W2 ImpFlag-SSI Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISSDI	12652	407.38	1792.51	0.0	30000.0
R2ISSDI	19642	375.55	1609.84	0.0	19812.0
R3ISSDI	17991	438.86	1821.14	0.0	29760.1
R4ISSDI	21384	367.16	1714.02	0.0	27710.1
R5ISSDI	19579	277.10	1486.07	0.0	32237.8
R6ISSDI	18165	411.63	1958.50	0.0	42507.1
R7ISSDI	20129	394.75	1924.57	0.0	24468.0
R8ISSDI	18469	503.70	2348.17	0.0	43680.0
R9ISSDI	17217	467.18	2267.46	0.0	30696.0
R10ISSDI	22034	693.93	2965.28	0.0	40800.0
R11ISSDI	20554	717.70	2981.31	0.0	74400.0
R12ISSDI	18748	843.35	3380.94	0.0	54000.0
S1ISSDI	10279	317.59	1652.44	0.0	30000.0
S2ISSDI	13672	284.85	1512.84	0.0	19812.0
S3ISSDI	12333	312.22	1628.67	0.0	20477.8
S4ISSDI	14515	286.51	1643.74	0.0	27710.1
S5ISSDI	13041	228.29	1475.43	0.0	32237.8
S6ISSDI	11859	351.37	1971.53	0.0	42507.1
S7ISSDI	13352	308.19	1833.86	0.0	24468.0
S8ISSDI	12052	424.72	2332.52	0.0	43680.0
S9ISSDI	11012	375.26	2175.06	0.0	30696.0
S10ISSDI	14235	500.76	2680.05	0.0	40800.0
S11ISSDI	13080	534.35	2778.41	0.0	74400.0
S12ISSDI	11625	622.29	3125.29	0.0	54000.0
R1IFSSDI	12652	0.15	0.83	0.0	9.0
R2IFSSDI	19642	0.18	0.83	0.0	9.0
R3IFSSDI	17991	0.18	0.83	0.0	9.0
R4IFSSDI	21384	0.19	0.95	0.0	9.0
R5IFSSDI	19579	0.16	0.83	0.0	9.0
R6IFSSDI	18165	0.12	0.55	0.0	9.0
R7IFSSDI	20129	0.13	0.64	0.0	9.0
R8IFSSDI	18469	0.12	0.60	0.0	9.0
R9IFSSDI	17217	0.13	0.65	0.0	9.0
R10IFSSDI	22034	0.25	1.14	0.0	9.0
R11IFSSDI	20554	0.19	0.87	0.0	9.0
R12IFSSDI	18748	0.21	0.95	0.0	9.0
S1IFSSDI	12652	1.62	3.17	0.0	9.0
S2IFSSDI	19642	2.54	3.68	0.0	9.0
S3IFSSDI	17991	2.61	3.71	0.0	9.0
S4IFSSDI	21384	2.70	3.75	0.0	9.0
S5IFSSDI	19579	2.76	3.77	0.0	9.0

S6IFSSDI	18165	2.84	3.79	0.0	9.0
S7IFSSDI	20129	2.77	3.77	0.0	9.0
S8IFSSDI	18469	2.85	3.79	0.0	9.0
S9IFSSDI	17217	2.96	3.83	0.0	9.0
S10IFSSDI	22034	3.00	3.84	0.0	9.0
S11IFSSDI	20554	3.03	3.84	0.0	9.0
S12IFSSDI	18748	3.17	3.87	0.0	9.0
R1ISDI	12652	275.77	1538.28	0.0	30000.0
R2ISDI	19642	236.14	1402.57	0.0	18000.0
R3ISDI	17991	289.62	1597.00	0.0	26772.1
R4ISDI	21384	221.11	1453.23	0.0	27705.7
R5ISDI	19579	168.57	1329.57	0.0	32237.8
R6ISDI	18165	282.77	1774.26	0.0	42507.1
R7ISDI	20129	260.05	1704.02	0.0	24000.0
R8ISDI	18469	342.38	2079.72	0.0	37200.0
R9ISDI	17217	305.32	2004.92	0.0	30696.0
R10ISDI	22034	488.53	2581.01	0.0	39600.0
R11ISDI	20554	502.48	2608.76	0.0	49200.0
R12ISDI	18748	588.58	2917.59	0.0	38400.0
S1ISDI	10279	248.40	1490.30	0.0	30000.0
S2ISDI	13672	227.08	1413.09	0.0	18000.0
S3ISDI	12333	253.33	1543.30	0.0	20477.8
S4ISDI	14515	209.60	1464.22	0.0	27705.7
S5ISDI	13041	176.35	1392.50	0.0	32237.8
S6ISDI	11859	300.24	1889.09	0.0	42507.1
S7ISDI	13352	251.02	1729.13	0.0	24000.0
S8ISDI	12052	351.13	2163.77	0.0	37200.0
S9ISDI	11012	301.28	2026.40	0.0	30696.0
S10ISDI	14235	399.50	2421.55	0.0	39600.0
S11ISDI	13080	425.28	2518.69	0.0	49200.0
S12ISDI	11625	481.27	2744.96	0.0	38400.0
R1IFSDI	12652	5.84	0.98	1.0	9.0
R2IFSDI	19642	5.88	0.89	1.0	9.0
R3IFSDI	17991	5.84	0.98	1.0	9.0
R4IFSDI	21384	5.90	0.86	1.0	9.0
R5IFSDI	19579	5.93	0.71	1.0	9.0
R6IFSDI	18165	5.88	0.81	1.0	9.0
R7IFSDI	20129	5.89	0.80	1.0	9.0
R8IFSDI	18469	5.86	0.85	1.0	9.0
R9IFSDI	17217	5.89	0.80	1.0	9.0
R10IFSDI	22034	5.86	1.02	1.0	9.0
R11IFSDI	20554	5.82	1.01	1.0	9.0
R12IFSDI	18748	5.81	1.06	1.0	9.0
S1IFSDI	12652	6.27	1.18	1.0	9.0
S2IFSDI	19642	6.54	1.20	1.0	9.0
S3IFSDI	17991	6.54	1.24	1.0	9.0
S4IFSDI	21384	6.59	1.19	1.0	9.0
S5IFSDI	19579	6.62	1.13	1.0	9.0
S6IFSDI	18165	6.61	1.21	1.0	9.0
S7IFSDI	20129	6.61	1.17	1.0	9.0
S8IFSDI	18469	6.61	1.22	1.0	9.0
S9IFSDI	17217	6.66	1.19	1.0	9.0
S10IFSDI	22034	6.65	1.24	1.0	9.0
S11IFSDI	20554	6.65	1.25	1.0	9.0
S12IFSDI	18748	6.69	1.27	1.0	9.0

R1ISSI	12652	131.61	870.07	0.0	16800.0
R2ISSI	19642	139.41	788.00	0.0	14289.0
R3ISSI	17991	149.24	810.57	0.0	18041.3
R4ISSI	21384	146.05	865.29	0.0	27710.1
R5ISSI	19579	108.53	659.19	0.0	16856.3
R6ISSI	18165	128.87	791.64	0.0	10800.0
R7ISSI	20129	134.70	834.35	0.0	14164.2
R8ISSI	18469	161.32	1019.66	0.0	20400.0
R9ISSI	17217	161.86	1034.01	0.0	19200.0
R10ISSI	22034	205.39	1240.22	0.0	19200.0
R11ISSI	20554	215.21	1295.39	0.0	25200.0
R12ISSI	18748	254.77	1480.18	0.0	28800.0
S1ISSI	10279	69.19	663.95	0.0	16800.0
S2ISSI	13672	57.77	524.75	0.0	14289.0
S3ISSI	12333	58.89	490.56	0.0	9780.8
S4ISSI	14515	76.91	688.36	0.0	27710.1
S5ISSI	13041	51.94	476.89	0.0	8640.0
S6ISSI	11859	51.13	496.38	0.0	10800.0
S7ISSI	13352	57.17	541.38	0.0	10080.0
S8ISSI	12052	73.59	747.16	0.0	28312.1
S9ISSI	11012	73.98	748.57	0.0	19200.0
S10ISSI	14235	101.26	902.46	0.0	19200.0
S11ISSI	13080	109.07	946.84	0.0	25200.0
S12ISSI	11625	141.02	1191.75	0.0	28800.0
H2IFSSI	8222	5.68	1.26	1.0	9.0
H3IFSSI	17991	5.78	1.10	1.0	9.0
H4IFSSI	21384	5.80	1.09	1.0	9.0
H5IFSSI	19579	5.83	0.97	1.0	9.0
H6IFSSI	18165	5.81	0.98	1.0	9.0
H7IFSSI	20129	5.82	0.97	1.0	9.0
H8IFSSI	18469	5.80	1.02	1.0	9.0
H9IFSSI	17217	5.82	1.00	1.0	9.0
H10IFSSI	22034	5.85	1.10	1.0	9.0
H11IFSSI	20554	5.80	1.08	1.0	9.0
H12IFSSI	18748	5.79	1.13	1.0	9.0
R1IFSSI	12652	5.89	0.86	1.0	9.0
R2IFSSI	11420	5.91	0.85	1.0	9.0
S1IFSSI	12652	6.34	1.00	1.0	9.0
S2IFSSI	11420	6.39	0.98	1.0	9.0

Categorical Variable Codes

Value	R1IFSSDI	R2IFSSDI	R3IFSSDI	R4IFSSDI	R5IFSSDI	R6IFSSDI	R7IFSSDI
0.No income	11694	17689	16179	19382	17984	16640	18531
1.No imputations	734	1313	1323	1330	956	1060	1121
2.Some imputation	129	506	363	465	502	427	404
9.No Fin Resp	95	134	126	207	137	38	73

Value	R8IFSSDI	R9IFSSDI	R10IFSSDI	R11IFSSDI	R12IFSSDI
0.No income	16933	15857	19608	18417	16689
1.No imputations	1182	1019	1533	1504	1444
2.Some imputation	297	275	566	476	437
9.No Fin Resp	57	66	327	157	178

Value	S1IFSSDI	S2IFSSDI	S3IFSSDI	S4IFSSDI	S5IFSSDI	S6IFSSDI	S7IFSSDI
0.No income	9658	12699	11432	13461	12269	11112	12559
1.No imputations	438	590	647	624	485	503	528
2.Some imputation	88	280	168	245	194	211	196
8.No Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6777
9.No Fin Resp	95	103	86	185	93	33	69

Value	S8IFSSDI	S9IFSSDI	S10IFSSDI	S11IFSSDI	S12IFSSDI
0.No income	11265	10334	12926	11972	10582
1.No imputations	582	490	716	678	631
2.Some imputation	156	130	319	290	260
8.No Sp/Part->no incm	6417	6205	7799	7474	7123
9.No Fin Resp	49	58	274	140	152

Value	R1IFSDI	R2IFSDI	R3IFSDI	R4IFSDI	R5IFSDI	R6IFSDI	R7IFSDI
1.Continuous value	459	580	634	538	331	451	481
2.Complete bracket			31	37	22	30	23
3.Incomplete bracket			8	7	3	1	3
5.No value/bracket	52	59	37	19	23	61	46
6.No income	11994	18630	17099	20511	18998	17501	19468
7.DK if income	52	239	56	65	65	83	35
9.No Fin Resp	95	134	126	207	137	38	73

Value	R8IFSDI	R9IFSDI	R10IFSDI	R11IFSDI	R12IFSDI
1.Continuous value	505	407	796	783	762
2.Complete bracket	33	17	28	36	47
3.Incomplete bracket	3	5	8	7	10
5.No value/bracket	47	32	101	88	71
6.No income	17803	16662	20705	19440	17629
7.DK if income	21	28	69	43	51
9.No Fin Resp	57	66	327	157	178

Value	S1IFSDI	S2IFSDI	S3IFSDI	S4IFSDI	S5IFSDI	S6IFSDI	S7IFSDI
1.Continuous value	321	359	359	323	216	292	274
2.Complete bracket			20	25	16	25	13
3.Incomplete bracket			2	5	3		3
5.No value/bracket	38	38	17	11	18	43	35
6.No income	9784	13008	11818	13928	12656	11420	12927
7.DK if income	41	164	31	38	39	46	31
8.No spouse/partner	2373	5970	5658	6869	6538	6306	6777
9.No Fin Resp	95	103	86	185	93	33	69

Value	S8IFSDI	S9IFSDI	S10IFSDI	S11IFSDI	S12IFSDI
1.Continuous value	319	240	376	366	339
2.Complete bracket	23	15	19	20	30
3.Incomplete bracket	3	2	7	3	6
5.No value/bracket	34	26	69	69	58
6.No income	11607	10650	13439	12432	10990
7.DK if income	17	21	51	50	50
8.No spouse/partner	6417	6205	7799	7474	7123
9.No Fin Resp	49	58	274	140	152

Value	R1IFSSI	R2IFSSI
.Q=Not asked this wv		8222
1.Continuous value	347	282
5.No value/bracket	29	59
6.No income	12133	10858
7.DK if income	48	97
9.No Fin Resp	95	124

Value	S1IFSSI	S2IFSSI
.Q=Not asked this wv		4549
.U=Unmarried		3673
1.Continuous value	147	105
5.No value/bracket	12	17
6.No income	9988	8845
7.DK if income	37	57
8.No spouse/partner	2373	2297
9.No Fin Resp	95	99

Value	H2IFSSI	H3IFSSI	H4IFSSI	H5IFSSI	H6IFSSI	H7IFSSI
.Q=Not asked this wv	11420					
1.Continuous value	548	819	906	663	661	711
2.Complete bracket		43	79	48	55	53
3.Incomplete bracket		2	8	3	8	3
5.No value/bracket	38	166	215	266	112	138
6.No income	7477	16781	19886	18346	17171	19023
7.DK if income	149	54	83	116	113	112
9.No Fin Resp	10	126	207	137	45	89

Value	H8IFSSI	H9IFSSI	H10IFSSI	H11IFSSI	H12IFSSI
1.Continuous value	741	661	906	877	861
2.Complete bracket	45	34	36	64	72
3.Incomplete bracket	5	4	8	10	8
5.No value/bracket	49	55	84	86	40
6.No income	17455	16279	20384	19181	17402
7.DK if income	109	109	198	165	166
9.No Fin Resp	65	75	418	171	199

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

RwISSDI is the sum of the Respondent's income from Social Security disability (SDI) and Supplemental Security income (SSI). Income from SDI and SSI are available separately in RwISDI and RwISSI. RwIFSSDI is a flag that indicates whether any components are imputed in the combined measure. RwIFSDI and RwIFSSI are the flags that idnicate whether any components were imputed in the individual measures.

SwISSDI is the sum of the spouse's income from SDI and SSI. Income from SDI and SSI are available separately in

SwISDI and SwISSI. SwIFSSDI is a flag that indicates whether any components are imputed. SwIFSDI and SwIFSSI are the flags that indicate whether any components were imputed in the individual measures.

RwISDI is the portion of RwISSDI that represents the Respondent's Social Security disability income, and RwISSI is the portion that represents the Respondent's income from SSI. Note that RwISDI and RwISSI are included in RwISSDI, i.e., RwISSDI is equal to the sum of RwISDI and RwISSI. RwIFSDI, R1IFSSI, R2IFSSI (for W2H), H2IFSSI (for W2A), and H3IFSSI forward flag whether these components are imputed, and if so, how much information is available to impute from.

SwISDI is the portion of SwISSDI that represents the spouse's Social Security disability income, and SwISSI is the portion that represents the Respondent's income from SSI. Note that SwISDI and SwISSI are included in SwISSDI, i.e., SwISSDI is equal to the sum of SwISDI and SwISSI. SwIFSDI, S1IFSSI, S2IFSSI (for W2H), H2IFSSI (for W2A), and H3IFSSI forward flag whether these components are imputed, and if so, how much information is available to impute from.

In Waves 1 and 2H, SSI income is reported individually. In Wave 2A and from Wave 3 forward, it is reported for the household. As this is an individual measure, the household SSI is split between the Respondent and spouse if the household is a couple. That is, in couple households in Wave 2A and from Wave 3 forward, RwISSI is the same as SwISSI, and both are equal to household SSI divided by two (RwISSI = SwISSI = SSI / 2).

Beginning in Version F, we have introduced logic that takes into account who reported receiving SSI income. Specifically, the income is split between the Respondent and spouse if the Respondent is married or partnered, and the income is reported jointly. However, income from SSI is not split between the two members of the couple if only one reports receiving it, that is, it is assigned to the appropriate recipient. This logic, as previously stated, does not apply to Waves 1 and 2H, since it is already reported individually, nor does it apply to Waves 2A and 3A, since there is no question about who received income from SSI. [See Appendix A for a description of how many cases were affected by this change.]

In Wave 1, the questions ask the annual amount of Social Security and SSI received in 1991. From Wave 2 forward, a monthly amount is asked. For Social Security, the first month received is also asked. Beginning in Wave 2H, the SSI questions ask which months since last interview SSI was received. The variable derivation checks the month income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

In Waves 1, 2 and 3A, the type of Social Security income received is reported, with one exception. In Wave 1, if both in a couple receive Social Security income in a joint check, the type is not reported; in these cases, the income is treated as retirement (OAS), not disability, income. From Wave 3H forward, the type of Social Security income is not reported. Variables in the disability section indicating whether the Respondent and spouse receive Social Security disability are used to determine whether Social Security reported in the income section is disability income or not.

In Wave 3A, Respondents and spouses who received income from Social Security are asked to indicate what the amount was for (i.e., retirement, disability, survivor benefits, dependent of disabled or retired, or other). People list up to two types of Social Security. However, the questions about how much they received do not make a distinction between amounts received from each type of Social Security but simply lump them together. Therefore, we decided that if a person reports receiving disability income, even if they also report getting another type of income from Social Security, the amount they indicated would be considered disability income.

From Wave 7 forward, an additional response option ("6. SSDI HAS CONVERTED TO SOCIAL SECURITY (VOL)") was added to the question about benefits from the Social Security Disability or Supplemental Security Income program. There were fewer than 50 individuals who selected this category. We added logic to check the ages of these individuals before designating them as receiving social security retirement income. Specifically, we required that a person be greater than 66 years of age at the time of the interview or have an end year for their social security income before last calendar year to make them have retirement instead of disability income.

Beginning in Version F, we incorporated logic in Waves 1 and 2H and from Wave 3H forward that examines the ages of Respondents and spouses. For those who are greater than 66 years of age at the time of the interview and receive Social Security disability income, we override this and instead assign the income to retirement. This is based on the notion that these individuals turned 65 or 66 (i.e., retirement age) during the last calendar year, at which point disability benefits automatically convert to retirement benefits. [See Appendix A for a description of how many cases were affected by this change.]

RwISSDI and SwISSDI only include Social Security income if it is received due to disability. SSI income is always included.

Because of the differences in the way income information was collected for the HRS and AHEAD samples in Wave 2, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For AHEAD entry cohort Respondents, R2IFSSI and S2IFSSI are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort Respondents, H2IFSSI is set to .Q to indicate that the corresponding income components are not available in Wave 2H.

Cross Wave Differences in Original HRS Data

The way the Social Security and Supplemental Security Income questions are asked varies across waves.

In Wave 1, the questions asked the annual amount of Social Security and SSI received in 1991. In Wave 1 and Wave 2A, if the Respondent and spouse received a joint check for Social Security, only one amount is asked; if they received separate checks, amounts were asked for each individual. From Wave 2 forward, a monthly amount is asked. For social security the first month received is also asked. Beginning in Wave 2H, the SSI questions ask which months since the last interview SSI was received. The variable derivation checks that the monthly income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

In Waves 1, 2 and 3A, the type of Social Security income received is reported, with one exception. In Wave 1, if both Respondent and spouse received Social Security income in a joint check, the type is not reported; in these cases, the income is treated as retirement (OAS), not disability, income. From Wave 3H forward, the type of Social Security income is not reported. Variables in the disability section indicating whether the Respondent and spouse received Social Security disability are used to determine whether Social Security reported in the income section is disability income or not.

In Wave 3A, Respondents and spouses who received income from Social Security are asked to indicate what the amount was for (i.e., retirement, disability, survivor benefits, dependent of disabled or retired, or other). People list up to two types of Social Security. However, the questions about how much they received do not make a distinction between amounts received from each type of Social Security, and simply lump them together. Therefore, we decided that if a person reports receiving disability income, even if they also report getting another type of income from Social Security, the amount they indicated would be considered disability income.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly Social Security or Supplemental Security income, a series of unfolding bracket questions are asked. The bracket amounts for Social Security income change in Wave 5 but otherwise are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

In Wave 6, there are two possible sources of information about whether the spouse receives social security: (1) the Financial Respondent's report in the income section (Section Q); and (2) the spouse's self-report in the employment section (Section J). To determine whether the spouse has any social security income, we use the spouse's self-report. However, if the spouse did not respond, or the self-report is missing, we use the Financial Respondent's report. Our rationale for doing this

is that the self-report is probably more accurate. It is also important to note that the self-report in the employment section is the only question about whether the Financial Respondent receives social security income.

In Wave 7, an additional response option ("6. SSDI HAS CONVERTED TO SOCIAL SECURITY (VOL)") was added to the following question, which helped us determine whether the type of social security income being received was for retirement or disability:

According to our records, in (See Blaise specifications for piRVarsZ092_IwMo_V}) ([See Blaise Specifications for piRvarsZ093_IwYr_V assignment]) you were receiving benefits from the Social Security Disability program or the Supplemental Security Income program. Which program was this: the Social Security Disability or the Supplemental Security Income program, or both?

For AHEAD Respondents in Wave 2A, the income components corresponding to imputation flags R2IFSSI and S2IFSSI are not available.

For HRS Respondents in Wave 2H, the income components corresponding to imputation flags H2IFSSI is not available.

HRS Variables Used

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HRS 1992:
    V15801          N28:RECV SSI IN 1991:IND
    V15802          N28A:WHO RECEIVED SS:IND
    V15803          N29 SSI:R1 REC91IND :IND
    V15823          N33 SSI:R2 REC91IND :IND
    V16001          N41:SS:RCV SOC SEC I:IND
    V16003          N41B:SS:  AMT RECD I:IND
    V16012          N42A:SS:R1:  AMT REC:IND
    V16021          N42A:SS:R2  AMT RECV:IND
    V16030          N43A:SS:R1:  AMT REC:IND
    V16107          N44A:SS:R2  AMT RECV:IND
    V5801           N28:RECV SSI IN 1991:IMP
    V5802           N28A:WHO RECEIVED SS:IMP
    V5803           N29:SSI:R1$AMT RECV :IMP
    V5804           N29:SSI:R1RECEIVED P:IMP
    V5823           N33:SSI:R2 AMT RECV :IMP
    V5824           N33:SSI:R2RECEIVED P:IMP
    V6001           N41:SS:RCV SOC SEC I:IMP
    V6002           N41A:SS:1CHK/SEPARATE CK
    V6003           N41B:SS:  AMT RECVD :IMP
    V6007           N42:SS:R1DISABILITY
    V6012           N42A:SS:R1  AMT RECV:IMP
    V6016           N42:SS:R2DISABILITY
    V6021           N42A:SS:R2  AMT RECV:IMP
    V6025           N43:SS:R1DISABILITY
    V6030           N43A:SS:R1  AMT RECV:IMP
    V6102           N44:SS:R2DISABILITY
    V6107           N44A:SS:R2  AMT RECV:IMP
AHEAD 1993:
    B1376           J1. SS: RECEIVE ANY
    B1377           J1a. SS: 1 OR 2 CHECKS
    B1378           J2. SS: R TYPE
    B1379           J2b. SS: R $ LAST MONTH
    B1381           J2d. SS: R START MONTH
    B1382           J2e. SS: R START YEAR
    B1389           J3. SS: SP TYPE
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    B1390           J3a. SS: SP $ LAST MONTH
    B1392           J3c. SS: SP START MONTH
    B1393           J3d. SS: SP START YEAR
    B1413           J6. SSI: RECEIVE ANY LAST MONTH
    B1414           J7. SSI: $ LAST MONTH
    B1415           J8. SSI: START >2YRS AGO
    B1416           J8a. SSI: START MONTH
    B1417           J8b. SSI: START YEAR
    B1418           J9. SSI: RECEIVE ANY 1992/3
    B1419           J10. SSI: LAST MONTH RECD 1992/3
    B1420           J10a. SSI: LAST YEAR RECD 1992/3
    B1421           J11. SSI: $ LAST MONTH 1992/3
HRS 1994:
    W16204          N22d. Imputation flag
    W16253          N23. Imputation flag
    W16254          N23a. Imputation flag
    W16260          N23c. Imputation flag
    W16268          N23g. Imputation flag
    W6157           N22.SUPPLEMENTAL SECURIT
    W6158           N22a.WHO RECEIVED SSI
    W6159           N22b.WHICH MONTHS
    W6160           N22b.START/STOP RECEIVIN
    W6161           N22b.START/STOP RECEIVIN
    W6174           N22c. Jan 1993
    W6175           N22c. Feb 1993
    W6176           N22c. Mar 1993
    W6177           N22c. Apr 1993
    W6178           N22c. May 1993
    W6179           N22c. Jun 1993
    W6180           N22c. Jul 1993
    W6181           N22c. Aug 1993
    W6182           N22c. Sep 1993
    W6183           N22c. Oct 1993
    W6184           N22c. Nov 1993
    W6185           N22c. Dec 1993
    W6199           N22c. All of 1993
    W6201           N22c. Other
    W6202           N22c. DK
    W6203           N22c. RF
    W6204           N22d.AMT SSI LAST MONTH
    W6205           N22e.AMT SSI LAST MONTH
    W6206           N22f.SP-WHICH MONTHS
    W6207           N22f.SP-START/STOP RECEI
    W6208           N22f.SP-START/STOP RECEI
    W6221           N22g. Jan 1993
    W6222           N22g. Feb 1993
    W6223           N22g. Mar 1993
    W6224           N22g. Apr 1993
    W6225           N22g. May 1993
    W6226           N22g. Jun 1993
    W6227           N22g. Jul 1993
    W6228           N22g. Aug 1993
    W6229           N22g. Sep 1993
    W6230           N22g. Oct 1993
    W6231           N22g. Nov 1993
    W6232           N22g. Dec 1993
    W6248           N22g. Other
    W6249           N22g. DK
    W6250           N22g. RF
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    W6251           N22h.SP-AMT SSI LAST MON
    W6252           N22k.SP-AMT SSI LAST MON
    W6253           N23.SOCIAL SECURITY?
    W6254           N23a.WHO RECEIVED SOCIAL
    W6255           N23b.TYPE SOCIAL SECURIT
    W6256           N23b.TYPE SOCIAL SECURIT
    W6260           N23c.AMT SS LAST MONTH
    W6261           N23e.START RECEIVING SS-
    W6262           N23e.START RECEIVING SS-
    W6263           N23f.SP-TYPE SOCIAL SECU
    W6264           N23f.SP-TYPE SOCIAL SECU
    W6268           N23g.SP-AMT SS LAST MONT
    W6269           N23h.SP-START RECEIVING
    W6270           N23h.SP-START RECEIVING
AHEAD 1995:
    D3875           J1.RECEIVE SOC SEC
    D3877M1         J2.R TYPE SOC SEC
    D3877M2         J2.R TYPE SOC SEC
    D3878           J3.AMT SOC SEC LAST MNTH
    D3879           J3A.AMT SS R DK-1
    D3880           J3B.AMT SS R DK-2
    D3881           J3C.AMT SS R DK-3
    D3883           J4A.MONTH START SOC SEC
    D3884           J4A.YEAR START SOC SEC
    D3885           J5.SP REC SS
    D3886M1         J5A.SP TYPE SOC SEC
    D3886M2         J5A.SP TYPE SOC SEC
    D3888           J6.AMT SOC SEC LAST MNTH SP/PT
    D3889           J6A.AMT SS S DK-1
    D3890           J6B.AMT SS S DK-2
    D3891           J6C.AMT SS S DK-3
    D3893           J7A.MONTH START SOC SEC SP/PT
    D3894           J7B.YEAR START SOC SEC SP/PT
    D3911           J10. SSI-MONTH
    D3912           J11. SSI $
    D3913           J11A.AMT SS R DK-1
    D3914           J11B.AMT SS R DK-2
    D3915           J11C.AMT SS R DK-3
    D3917           J11E. SSI-MONTH
    D3918           J11F. SSI
HRS 1996:
    E3580           GD18. RECEIVE SSD/SSI
    E3582           GD18B. SS STOP-YR
    E3606           GD26F1. SS RECEIVE-YR
    E3614           GD26J. SS-STILL RECEIVING
    E3616           GD26K1. SS STOP-YR
    E3983           J45.SOC SEC INCOME
    E3984           J46.WHO RECEIVE SOC SEC INCOME
    E3985           J47.R AMT RECVD SS LAST MO
    E3986           J47A.R $ RECVD SS LAST MO DK-1K
    E3987           J47B.R $ RECVD SS LAST MO DK-1.5K
    E3989           J47D.R $ RECVD SS LAST MO DK-500
    E3990           J48.R RECV SS BENEFITS START YEAR
    E3991           J49.SS BENEFITS START MONTH
    E3996           J50A1.SP HOW MUCH SS BENEFITS
    E3997           J50A2.SP $ SS BENEFITS DK-1K
    E3998           J50A3.SP $ SS BENEFITS DK-1.5K
    E4000           J50A5.SP $ SS BENEFITS DK-500
    E4001           J50B1.SP BENEFITS START - YEAR
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    E4002           J50B2.SP BENEFITS START - MONTH
    E4021           J59.R/S SSI-LAST MONTH
    E4022           J60.WHO RECEIVED SSI
    E4023           J61.R/S SSI $
    E4024           J61A.R/S SSI $ DK-500
    E4025           J61B.R/S SSI $ DK-750
    E4026           J61C.R/S SSI $ DK-250
    E4027           J62.SSI START YEAR
    E4028           J62B.SSI START MONTH
HRS 1998:
    F272            PREV WAVE R REC SS
    F273            PREV WAVE S/P REC SS
    F274            PREV WAVE SSI
    F4088           GD18. RECEIVE SSD/SSI
    F4090           GD18B. SS STOP-YR
    F4135           GD26F1. SS RECEIVE-YR
    F4139           GD26J. SS-STILL RECEIVING
    F4141           GD26K1. SS STOP-YR
    F4498           GJ123F1.SS AWARDED - YEAR
    F4502           GJ123J.STILL RECEIVING BENEFITS
    F4504           GJ123K1.BENEFITS STOPPED - YEAR
    F4743           J45.SOC SEC INCOME
    F4744           J46.WHO RECEIVE SOC SEC INCOME
    F4745           J47.R AMT RECVD SS LAST MO
    F4746           J47A.R DK-1K
    F4747           J47B.R DK-1,500
    F4749           J47D.R DK-500
    F4750           J48.R SS BENEFITS START YEAR
    F4751           J49.R SS BENEFITS START MONTH
    F4756           J50A1.SP HOW MUCH SS BENEFITS
    F4757           J50A2.SP DK-1K
    F4758           J50A3.SP DK-1,500
    F4760           J50A5.SP DK-500
    F4761           J50B1.SP SS BENEFITS START YEAR
    F4762           J50B2.SP SS BENEFITS START MONTH
    F4781           J59.R/S SSI-LAST MONTH
    F4782           J60.WHO RECEIVED SSI
    F4783           J61.R/S SSI $
    F4784           J61A.R/S AMT SS R DK-500
    F4785           J61B.AMT SS R DK-750
    F4786           J61C.AMT SS R DK-250
    F4787           J62.SSI START YEAR
    F4788           J62B.SSI START MONTH
HRS 2000:
    G272            PR272.PREV WAVE R REC SS
    G273            PR273.PREV WAVE S/P REC SS
    G274            PR274.PREV WAVE SSI
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4378           GD18AD. SSDI START-YEAR
    G4382           GD18AF. SSDI STOP-YR
    G4392           GD18CC. SSDI START-YEAR
    G4396           GD18CG.STILL RECEIVING SSDI BENEFITS
    G4399           GD18CK. SSDI STOP-YR
    G4405           GD18DF. SSDI START-YEAR
    G4409           GD18DK.STILL RECEIVING SSDI BENEFITS
    G4412           GD18DP. SSDI STOP-YR
    G4465           GD26F1.SSD LAST APP BENEFITS START-YR
    G4466           GD26G.SSD-STILL RECEIVING
    G4472           GD26M1.SSD BENEFITS STOP-YR
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    G4870           GJ123F1.SSDI AWARDED - YEAR
    G4875           GJ123J.STILL RECEIVING BENEFITS
    G4877           GJ123K.BENEFITS STOPPED - YEAR
    G5182           J45.SOC SEC INCOME
    G5185           J46.WHO RECEIVE SOC SEC INCOME
    G5186           J47.R AMT RECVD SS LAST MO
    G5187           J47A.R DK-700
    G5188           J47B.R DK-1000
    G5190           J47D.R DK-500
    G5193           J48.R SS BENEFITS START YEAR
    G5194           J49.R SS BENEFITS START MONTH
    G5199           J50A1.SP HOW MUCH SS BENEFITS
    G5200           J50A2.SP DK-700
    G5201           J50A3.SP DK-1000
    G5203           J50A5.SP DK-500
    G5204           J50B1.SP SS BENEFITS START YEAR
    G5205           J50B2.SP SS BENEFITS START MONTH
    G5224           J59.R/S SSI-LAST MONTH
    G5225           J60.WHO RECEIVED SSI
    G5226           J61.R/S SSI $
    G5227           J61A.R/S AMT SS R DK-500
    G5228           J61B.AMT SS R DK-750
    G5229           J61C.AMT SS R DK-250
    G5230           J62.SSI START YEAR
    G5231           J62B.SSI START MONTH
HRS 2002:
    HM030F1         HM030F1 STILL RECEIVING SSDI BENEFITS
    HM030L1         HM030L1 SSDI STOP-YR
    HM032B1         HM032B1 SSDI START-YR
    HM032F1         HM032F1 STILL RECEIVING SSDI BENEFITS
    HM032L1         HM032L1 SSDI STOP-YR
    HM040K          HM040K SSDI START-YR
    HM040P          HM040P STILL RECEIVING SSDI BENEFITS
    HM040V          HM040VSSDI STOP-YR
    HM648B1         SSDI START YEAR-1
    HM648B2         SSDI START YEAR-2
    HM648F1         STILL RECEIVING SSDI BENEFITS-1
    HM648F2         STILL RECEIVING SSDI BENEFITS-2
    HM648L1         SSDI STOP YEAR-1
    HQ084           SP SOCIAL SECURITY INCOME
    HQ085           R AMOUNT OF SS INCOME - LAST MONTH
    HQ086           R AMT FROM SS INCOME - MIN
    HQ087           R AMT FROM SS INCOME - MAX
    HQ088           R AMT FROM SS INCOME - RESULT
    HQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    HQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    HQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    HQ092           SP AMT FROM SS INCOME - MIN
    HQ093           SP AMT FROM SS INCOME - MAX
    HQ094           SP AMT FROM SS INCOME - RESULT
    HQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    HQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    HQ105           R OR SP INCOME FROM SSI - LAST MONTH
    HQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    HQ107           AMOUNT RECEIVED FROM SSI LAST MONTH
    HQ108           AMT RECEIVED FROM SSI - MIN
    HQ109           AMT RECEIVED FROM SSI - MAX
    HQ110           AMT RECEIVED FROM SSI - RESULT
    HQ111           YEAR STARTED TO RECEIVE SSI INCOME
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    HQ112           MONTH STARTED TO RECEIVE SSI INCOME
    HZ125           PREV WAVE R RECEIVES SS
    HZ126           PREV WAVE S/P RECEIVES SS
    HZ127           PREV WAVE R RECEIVES SSI
HRS 2004:
    JM030           HM030 REC SSDI/SSI/BOTH
    JMW234C         HM032B2 SSDI START-YR -2
    JMW234I         HM040K SSDI START-YR -3
    JMW234Q         HM648B1 SSDI START YEAR-1
    JMW234R         HM648B2 SSDI START-YR -2
    JMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    JMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    JMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    JMW238Q         HM648F1 STILL REC SSDI BENS-1
    JMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    JMW244A         HM030K1 SSDI STOP-YR
    JMW244C         HM030L1 SSDI STOP-YR -2
    JMW244I         HM032L1 SSDI STOP-YR -3
    JMW244Q         SSDI STOP YEAR-1
    JMW244R         HM648L2 SSDI STOP-YR -2
    JQ084           SP SOCIAL SECURITY INCOME
    JQ085           R AMOUNT OF SS INCOME - LAST MONTH
    JQ086           R AMT FROM SS INCOME - MIN
    JQ087           R AMT FROM SS INCOME - MAX
    JQ088           R AMT FROM SS INCOME - RESULT
    JQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    JQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    JQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    JQ092           SP AMT FROM SS INCOME - MIN
    JQ093           SP AMT FROM SS INCOME - MAX
    JQ094           SP AMT FROM SS INCOME - RESULT
    JQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    JQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    JQ105           R OR SP INCOME FROM SSI - LAST MONTH
    JQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    JQ107           AMOUNT RECEIVED FROM SSI LAST MONTH
    JQ108           AMT RECEIVED FROM SSI - MIN
    JQ109           AMT RECEIVED FROM SSI - MAX
    JQ110           AMT RECEIVED FROM SSI - RESULT
    JQ111           YEAR STARTED TO RECEIVE SSI INCOME
    JQ112           MONTH STARTED TO RECEIVE SSI INCOME
    JZ125           PREV WAVE R RECEIVES SS
    JZ126           PREV WAVE S/P RECEIVES SS
    JZ127           PREV WAVE R RECEIVES SSI
HRS 2006:
    KM030           HM030 REC SSDI/SSI/BOTH
    KMW234C         HM032B2 SSDI START-YR -2
    KMW234I         HM040K SSDI START-YR -3
    KMW234Q         HM648B1 SSDI START YEAR-1
    KMW234R         HM648B2 SSDI START-YR -2
    KMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    KMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    KMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    KMW238Q         HM648F1 STILL REC SSDI BENS-1
    KMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    KMW244A         HM030K1 SSDI STOP-YR
    KMW244C         HM030L1 SSDI STOP-YR -2
    KMW244I         HM032L1 SSDI STOP-YR -3
    KMW244Q         SSDI STOP YEAR-1
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    KMW244R         HM648L2 SSDI STOP-YR -2
    KQ084           SP SOCIAL SECURITY INCOME
    KQ085           R AMOUNT OF SS INCOME - LAST MONTH
    KQ086           R AMT FROM SS INCOME - MIN
    KQ087           R AMT FROM SS INCOME - MAX
    KQ088           R AMT FROM SS INCOME - RESULT
    KQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    KQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    KQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    KQ092           SP AMT FROM SS INCOME - MIN
    KQ093           SP AMT FROM SS INCOME - MAX
    KQ094           SP AMT FROM SS INCOME - RESULT
    KQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    KQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    KQ105           R OR SP INCOME FROM SSI - LAST MONTH
    KQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    KQ107           AMOUNT RECEIVED FROM SSI LAST MONTH
    KQ108           AMT RECEIVED FROM SSI - MIN
    KQ109           AMT RECEIVED FROM SSI - MAX
    KQ110           AMT RECEIVED FROM SSI - RESULT
    KQ111           YEAR STARTED TO RECEIVE SSI INCOME
    KQ112           MONTH STARTED TO RECEIVE SSI INCOME
    KZ125           PREV WAVE R RECEIVES SS
    KZ126           PREV WAVE S/P RECEIVES SS
    KZ127           PREV WAVE R RECEIVES SSI
HRS 2008:
    LM030           HM030 REC SSDI/SSI/BOTH
    LMW234C         HM032B2 SSDI START-YR -2
    LMW234I         HM040K SSDI START-YR -3
    LMW234Q         HM648B1 SSDI START YEAR-1
    LMW234R         HM648B2 SSDI START-YR -2
    LMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    LMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    LMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    LMW238Q         HM648F1 STILL REC SSDI BENS-1
    LMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    LMW244A         HM030K1 SSDI STOP-YR
    LMW244C         HM030L1 SSDI STOP-YR -2
    LMW244I         HM032L1 SSDI STOP-YR -3
    LMW244Q         SSDI STOP YEAR-1
    LMW244R         HM648L2 SSDI STOP-YR -2
    LQ084           SP SOCIAL SECURITY INCOME
    LQ085           R AMOUNT OF SS INCOME - LAST MONTH
    LQ086           R AMT FROM SS INCOME - MIN
    LQ087           R AMT FROM SS INCOME - MAX
    LQ088           R AMT FROM SS INCOME - RESULT
    LQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    LQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    LQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    LQ092           SP AMT FROM SS INCOME - MIN
    LQ093           SP AMT FROM SS INCOME - MAX
    LQ094           SP AMT FROM SS INCOME - RESULT
    LQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    LQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    LQ105           R OR SP INCOME FROM SSI - LAST MONTH
    LQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    LQ107           AMOUNT RECEIVED FROM SSI LAST MONTH
    LQ108           AMT RECEIVED FROM SSI - MIN
    LQ109           AMT RECEIVED FROM SSI - MAX
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    LQ110           AMT RECEIVED FROM SSI - RESULT
    LQ111           YEAR STARTED TO RECEIVE SSI INCOME
    LQ112           MONTH STARTED TO RECEIVE SSI INCOME
    LZ125           PREV WAVE R RECEIVES SS
    LZ126           PREV WAVE S/P RECEIVES SS
    LZ127           PREV WAVE R RECEIVES SSI
HRS 2010:
    MM030           HM030 REC SSDI/SSI/BOTH
    MMW234C         HM032B2 SSDI START-YR -2
    MMW234I         HM040K SSDI START-YR -3
    MMW234Q         HM648B1 SSDI START YEAR-1
    MMW234R         HM648B2 SSDI START-YR -2
    MMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    MMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    MMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    MMW238Q         HM648F1 STILL REC SSDI BENS-1
    MMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    MMW244A         HM030K1 SSDI STOP-YR
    MMW244C         HM030L1 SSDI STOP-YR -2
    MMW244I         HM032L1 SSDI STOP-YR -3
    MMW244Q         SSDI STOP YEAR-1
    MMW244R         HM648L2 SSDI STOP-YR -2
    MQ084           SP SOCIAL SECURITY INCOME
    MQ085           R AMOUNT OF SS INCOME - LAST MONTH
    MQ086           R AMT FROM SS INCOME - MIN
    MQ087           R AMT FROM SS INCOME - MAX
    MQ088           R AMT FROM SS INCOME - RESULT
    MQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    MQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    MQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    MQ092           SP AMT FROM SS INCOME - MIN
    MQ093           SP AMT FROM SS INCOME - MAX
    MQ094           SP AMT FROM SS INCOME - RESULT
    MQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    MQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    MQ105           R OR SP INCOME FROM SSI - LAST MONTH
    MQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    MQ107           AMOUNT RECEIVED FROM SSI LAST MONTH
    MQ108           AMT RECEIVED FROM SSI - MIN
    MQ109           AMT RECEIVED FROM SSI - MAX
    MQ110           AMT RECEIVED FROM SSI - RESULT
    MQ111           YEAR STARTED TO RECEIVE SSI INCOME
    MQ112           MONTH STARTED TO RECEIVE SSI INCOME
    MZ125           PREV WAVE R RECEIVES SS
    MZ126           PREV WAVE S/P RECEIVES SS
    MZ127           PREV WAVE R RECEIVES SSI
HRS 2012:
    NM030           HM030 REC SSDI/SSI/BOTH
    NMW234C         HM032B2 SSDI START-YR -2
    NMW234I         HM040K SSDI START-YR -3
    NMW234Q         HM648B1 SSDI START YEAR-1
    NMW234R         HM648B2 SSDI START-YR -2
    NMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    NMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    NMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    NMW238Q         HM648F1 STILL REC SSDI BENS-1
    NMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    NMW244A         HM030K1 SSDI STOP-YR
    NMW244C         HM030L1 SSDI STOP-YR -2
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    NMW244I         HM032L1 SSDI STOP-YR -3
    NMW244Q         SSDI STOP YEAR-1
    NMW244R         HM648L2 SSDI STOP-YR -2
    NQ084           SP SOCIAL SECURITY INCOME
    NQ085           R AMOUNT OF SS INCOME - LAST MONTH
    NQ086           R AMT FROM SS INCOME - MIN
    NQ087           R AMT FROM SS INCOME - MAX
    NQ088           R AMT FROM SS INCOME - RESULT
    NQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    NQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    NQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    NQ092           SP AMT FROM SS INCOME - MIN
    NQ093           SP AMT FROM SS INCOME - MAX
    NQ094           SP AMT FROM SS INCOME - RESULT
    NQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    NQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    NQ105           R OR SP INCOME FROM SSI - LAST MONTH
    NQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    NQ107           AMOUNT RECEIVED FROM SSI LAST MONTH
    NQ108           AMT RECEIVED FROM SSI - MIN
    NQ109           AMT RECEIVED FROM SSI - MAX
    NQ110           AMT RECEIVED FROM SSI - RESULT
    NQ111           YEAR STARTED TO RECEIVE SSI INCOME
    NQ112           MONTH STARTED TO RECEIVE SSI INCOME
    NZ125           PREV WAVE R RECEIVES SS
    NZ126           PREV WAVE S/P RECEIVES SS
    NZ127           PREV WAVE R RECEIVES SSI
HRS 2014:
    OM030           HM030 REC SSDI/SSI/BOTH
    OMW234C         HM032B2 SSDI START-YR -2
    OMW234I         HM040K SSDI START-YR -3
    OMW234Q         HM648B1 SSDI START YEAR-1
    OMW234R         HM648B2 SSDI START-YR -2
    OMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    OMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    OMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    OMW238Q         HM648F1 STILL REC SSDI BENS-1
    OMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    OMW244A         HM030K1 SSDI STOP-YR
    OMW244C         HM030L1 SSDI STOP-YR -2
    OMW244I         HM032L1 SSDI STOP-YR -3
    OMW244Q         SSDI STOP YEAR-1
    OMW244R         HM648L2 SSDI STOP-YR -2
    OQ084           SP SOCIAL SECURITY INCOME
    OQ085           R AMOUNT OF SS INCOME - LAST MONTH
    OQ086           R AMT FROM SS INCOME - MIN
    OQ087           R AMT FROM SS INCOME - MAX
    OQ088           R AMT FROM SS INCOME - RESULT
    OQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    OQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    OQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    OQ092           SP AMT FROM SS INCOME - MIN
    OQ093           SP AMT FROM SS INCOME - MAX
    OQ094           SP AMT FROM SS INCOME - RESULT
    OQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    OQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    OQ105           R OR SP INCOME FROM SSI - LAST MONTH
    OQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    OQ107           AMOUNT RECEIVED FROM SSI LAST MONTH
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    OQ108           AMT RECEIVED FROM SSI - MIN
    OQ109           AMT RECEIVED FROM SSI - MAX
    OQ110           AMT RECEIVED FROM SSI - RESULT
    OQ111           YEAR STARTED TO RECEIVE SSI INCOME
    OQ112           MONTH STARTED TO RECEIVE SSI INCOME
    OZ125           PREV WAVE R RECEIVES SS
    OZ126           PREV WAVE S/P RECEIVES SS
    OZ127           PREV WAVE R RECEIVES SSI
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    EFINR           1996 WHETHER FINANCIAL RESPONDENT
    FFINR           1998 WHETHER FINANCIAL RESPONDENT
    GFINR           2000 WHETHER FINANCIAL RESPONDENT
    HFINR           2002 WHETHER FINANCIAL RESPONDENT
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
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Individual Income from Social Security Retirement

Wave	Variable	Label	Type
1	R1ISRET	R1ISRET:W1 Income:R SocSec Retirement	Cont
2	R2ISRET	R2ISRET:W2 Income:R SocSec Retirement	Cont
3	R3ISRET	R3ISRET:W3 Income:R SocSec Retirement	Cont
4	R4ISRET	R4ISRET:W4 Income:R SocSec Retirement	Cont
5	R5ISRET	R5ISRET:W5 Income:R SocSec Retirement	Cont
6	R6ISRET	R6ISRET:W6 Income:R SocSec Retirement	Cont
7	R7ISRET	R7ISRET:W7 Income:R SocSec Retirement	Cont
8	R8ISRET	R8ISRET:W8 Income:R SocSec Retirement	Cont
9	R9ISRET	R9ISRET:W9 Income:R SocSec Retirement	Cont
10	R10ISRET	R10ISRET:W10 Income:R SocSec Retirement	Cont
11	R11ISRET	R11ISRET:W11 Income:R SocSec Retirement	Cont
12	R12ISRET	R12ISRET:W12 Income:R SocSec Retirement	Cont
1	S1ISRET	S1ISRET:W1 Income:Sp SocSec Retirement	Cont
2	S2ISRET	S2ISRET:W2 Income:Sp SocSec Retirement	Cont
3	S3ISRET	S3ISRET:W3 Income:Sp SocSec Retirement	Cont
4	S4ISRET	S4ISRET:W4 Income:Sp SocSec Retirement	Cont
5	S5ISRET	S5ISRET:W5 Income:Sp SocSec Retirement	Cont
6	S6ISRET	S6ISRET:W6 Income:Sp SocSec Retirement	Cont
7	S7ISRET	S7ISRET:W7 Income:Sp SocSec Retirement	Cont
8	S8ISRET	S8ISRET:W8 Income:Sp SocSec Retirement	Cont
9	S9ISRET	S9ISRET:W9 Income:Sp SocSec Retirement	Cont
10	S10ISRET	S10ISRET:W10 Income:Sp SocSec Retirement	Cont
11	S11ISRET	S11ISRET:W11 Income:Sp SocSec Retirement	Cont
12	S12ISRET	S12ISRET:W12 Income:Sp SocSec Retirement	Cont
1	R1IFSRET	R1IFSRET:W1 ImpFlag:R SocSec Retirement	Categ
2	R2IFSRET	R2IFSRET:W2 ImpFlag:R SocSec Retirement	Categ
3	R3IFSRET	R3IFSRET:W3 ImpFlag:R SocSec Retirement	Categ
4	R4IFSRET	R4IFSRET:W4 ImpFlag:R SocSec Retirement	Categ
5	R5IFSRET	R5IFSRET:W5 ImpFlag:R SocSec Retirement	Categ
6	R6IFSRET	R6IFSRET:W6 ImpFlag:R SocSec Retirement	Categ
7	R7IFSRET	R7IFSRET:W7 ImpFlag:R SocSec Retirement	Categ
8	R8IFSRET	R8IFSRET:W8 ImpFlag:R SocSec Retirement	Categ
9	R9IFSRET	R9IFSRET:W9 ImpFlag:R SocSec Retirement	Categ
10	R10IFSRET	R10IFSRET:W10 ImpFlag:R SocSec Retirement	Categ
11	R11IFSRET	R11IFSRET:W11 ImpFlag:R SocSec Retirement	Categ
12	R12IFSRET	R12IFSRET:W12 ImpFlag:R SocSec Retirement	Categ
1	S1IFSRET	S1IFSRET:W1 ImpFlag:Sp SocSec Retirement	Categ
2	S2IFSRET	S2IFSRET:W2 ImpFlag:Sp SocSec Retirement	Categ
3	S3IFSRET	S3IFSRET:W3 ImpFlag:Sp SocSec Retirement	Categ
4	S4IFSRET	S4IFSRET:W4 ImpFlag:Sp SocSec Retirement	Categ
5	S5IFSRET	S5IFSRET:W5 ImpFlag:Sp SocSec Retirement	Categ
6	S6IFSRET	S6IFSRET:W6 ImpFlag:Sp SocSec Retirement	Categ
7	S7IFSRET	S7IFSRET:W7 ImpFlag:Sp SocSec Retirement	Categ
8	S8IFSRET	S8IFSRET:W8 ImpFlag:Sp SocSec Retirement	Categ
9	S9IFSRET	S9IFSRET:W9 ImpFlag:Sp SocSec Retirement	Categ
10	S10IFSRET	S10IFSRET:W10 ImpFlag:Sp SocSec Retirement	Categ
11	S11IFSRET	S11IFSRET:W11 ImpFlag:Sp SocSec Retirement	Categ
12	S12IFSRET	S12IFSRET:W12 ImpFlag:Sp SocSec Retirement	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISRET	12652	329.30	1580.89	0.0	26000.0
R2ISRET	19642	3165.87	4166.08	0.0	26592.0
R3ISRET	17991	3694.72	4667.58	0.0	69670.3
R4ISRET	21384	4264.16	4816.78	0.0	40125.7

R5ISRET	19579	4925.31	5166.87	0.0	52025.0
R6ISRET	18165	6022.27	5819.43	0.0	42701.9
R7ISRET	20129	5843.43	6194.43	0.0	44006.4
R8ISRET	18469	6722.27	6679.46	0.0	44241.1
R9ISRET	17217	7640.99	7183.12	0.0	50263.3
R10ISRET	22034	6413.04	7748.78	0.0	50288.5
R11ISRET	20554	6956.54	8072.42	0.0	50522.1
R12ISRET	18748	7800.40	8590.55	0.0	50841.2
S1ISRET	10279	377.99	1684.82	0.0	26000.0
S2ISRET	13672	2571.12	3940.38	0.0	24000.0
S3ISRET	12333	3062.81	4384.90	0.0	41318.7
S4ISRET	14515	3613.83	4676.65	0.0	32270.1
S5ISRET	13041	4222.61	5055.50	0.0	51808.1
S6ISRET	11859	5280.70	5829.95	0.0	41492.8
S7ISRET	13352	5199.83	6248.52	0.0	44006.4
S8ISRET	12052	6014.42	6749.69	0.0	42203.1
S9ISRET	11012	6872.58	7220.48	0.0	48000.0
S10ISRET	14235	5705.64	7582.40	0.0	50288.5
S11ISRET	13080	6269.70	8053.67	0.0	50522.1
S12ISRET	11625	6996.17	8585.40	0.0	50841.2
R1IFSRET	12652	0.14	0.82	0.0	9.0
R2IFSRET	19642	0.59	0.93	0.0	9.0
R3IFSRET	17991	0.68	0.98	0.0	9.0
R4IFSRET	21384	0.71	1.03	0.0	9.0
R5IFSRET	19579	0.74	0.94	0.0	9.0
R6IFSRET	18165	0.79	0.74	0.0	9.0
R7IFSRET	20129	0.72	0.81	0.0	9.0
R8IFSRET	18469	0.77	0.78	0.0	9.0
R9IFSRET	17217	0.81	0.81	0.0	9.0
R10IFSRET	22034	0.75	1.21	0.0	9.0
R11IFSRET	20554	0.72	0.98	0.0	9.0
R12IFSRET	18748	0.77	1.04	0.0	9.0
S1IFSRET	12652	1.63	3.17	0.0	9.0
S2IFSRET	19642	2.78	3.54	0.0	9.0
S3IFSRET	17991	2.93	3.53	0.0	9.0
S4IFSRET	21384	3.01	3.56	0.0	9.0
S5IFSRET	19579	3.11	3.55	0.0	9.0
S6IFSRET	18165	3.25	3.52	0.0	9.0
S7IFSRET	20129	3.14	3.54	0.0	9.0
S8IFSRET	18469	3.24	3.54	0.0	9.0
S9IFSRET	17217	3.37	3.55	0.0	9.0
S10IFSRET	22034	3.30	3.64	0.0	9.0
S11IFSRET	20554	3.35	3.62	0.0	9.0
S12IFSRET	18748	3.50	3.64	0.0	9.0

Categorical Variable Codes

Value	R1IFSRET	R2IFSRET	R3IFSRET	R4IFSRET	R5IFSRET	R6IFSRET	R7IFSRET
0.No income	11807	10416	8802	9703	7939	6239	8067
1.No imputations	634	7853	6985	9657	9712	9828	10042
2.Some imputation	116	1240	2078	1818	1791	2060	1947
9.No Fin Resp	95	133	126	206	137	38	73

Value	R8IFSRET	R9IFSRET	R10IFSRET	R11IFSRET	R12IFSRET
0.No income	6693	5697	10343	9177	7855
1.No imputations	9809	9522	9225	8981	8629
2.Some imputation	1910	1932	2139	2239	2086
9.No Fin Resp	57	66	327	157	178

Value	S1IFSRET	S2IFSRET	S3IFSRET	S4IFSRET	S5IFSRET	S6IFSRET	S7IFSRET
0.No income	9512	8384	6872	7552	6184	4824	6111
1.No imputations	573	4486	4164	5753	5720	5798	5979
2.Some imputation	99	700	1211	1025	1044	1204	1193
8.No Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6777
9.No Fin Resp	95	102	86	185	93	33	69

Value	S8IFSRET	S9IFSRET	S10IFSRET	S11IFSRET	S12IFSRET
0.No income	5068	4253	7306	6441	5476
1.No imputations	5807	5563	5371	5157	4769
2.Some imputation	1128	1138	1284	1342	1228
8.No Sp/Part->no incm	6417	6205	7799	7474	7123
9.No Fin Resp	49	58	274	140	152

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

RwISRET is the Respondent's income from Social Security retirement, spouse or widow benefits. RwIFSRET is a flag that indicates whether any components are imputed.

SwISRET is the spouse's income from Social Security retirement, spouse or widow benefits. SwIFSRET is a flag that indicates whether any components are imputed.

In Waves 1 and 2A, Social Security income could be reported individually or, if the Respondent is married, jointly. If the income is reported jointly, the income is split between the Respondent and spouse.

In Wave 1, the questions ask the annual amount of Social Security received in 1991. From Wave 2 forward, a monthly amount is asked and the first month received is also asked. The variable derivation checks the months income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

In Waves 1, 2, and 3A, the type of Social Security income received is reported. From Wave 3H forward, variables in the disability section indicating whether the Respondent and spouse receive Social Security disability are used to determine whether Social Security reported in the income section is disability income or not.

In Wave 3A, Respondents and spouses who received income from Social Security are asked to indicate what type of benefit (i.e., retirement, disability, survivor benefits, dependent of disabled or retired, or other). People list up to two types of Social Security benefits. However, the questions about how much they received do not make a distinction between amounts received from each type of benefit, but simply lump them together. Therefore, we decided that if a person reports receiving retirement income, even if they also report getting another type of income from Social Security (EXCEPT disability), the amount they indicated would be considered retirement income.

From Wave 7 forward, an additional response option ("6. SSDI HAS CONVERTED TO SOCIAL SECURITY (VOL)") was added to the question about benefits from the Social Security Disability or Supplemental Security Income program. There were fewer than 50 individuals who selected this category. We added logic to check the ages of these individuals before designating them as receiving social security retirement income. Specifically, we required that a person be greater than 66 years of age at the time of the interview, or have an end year for their social security income before last calendar year, to make them have retirement instead of disability income.

Beginning in Version F, we incorporated logic in Waves 1 and 2H and from Wave 3H forward that examines the ages of Respondents and spouses. For those who are greater than 66 years of age at the time of the interview and receive Social Security disability income, we override this and instead assign the income to retirement. This is based on the notion that these individuals turned 65 or 66 (i.e., retirement age) during the last calendar year, at which point disability benefits automatically convert to retirement benefits. [See Appendix A for a description of how many cases were affected by this change.]

RwISRET and SwISRET only include Social Security income if it is NOT received due to disability.

The RwIFSS, SwIFSS, and HwIFSSJ flags indicate whether the components are imputed, and if so, how much information is available to impute from. RwIFSS flags the Respondent's individual income, SwIFSS flags the spouse's individual income, and HwIFSSJ flags Waves 1 and 2A income that is received as a joint check. These variables are available in "RAND Income and Wealth Imputation File."

Because of the differences in the way income information was collected for the HRS and AHEAD samples in wave 2, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For HRS entry cohort Respondents, H2IFSSJ is set to .Q to indicate that the corresponding income components are not available in Wave 2.

Cross Wave Differences in Original HRS Data

The way the Social Security income questions are asked varies across waves.

In Wave 1, the questions ask the annual amount of social security received in 1991. In Wave 1 and Wave 2A, if the Respondent and spouse receive a joint check only, one amount is asked; if they receive separate checks, amounts are asked for each individual. From Wave 2 forward, a monthly amount is asked. The first month Social Security received is also asked.

In Waves 1, 2, and 3A, the type of Social Security income received is asked. The type can be retirement, disability, survivor benefits, dependent of retired, dependent of disabled or other. In Wave 1, if a joint check is received, the type is not asked. From Wave 3H forward, the type of Social Security income is not asked.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly Social Security income, a series of unfolding bracket questions are asked. The bracket amounts for Social Security income change in Wave 5 but otherwise are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

Beginning in Wave 6, there are two possible sources of information about whether the spouse receives social security: (1) the Financial Respondent's report in the income section (Section Q); and (2) the spouse's self-report in the employment section (Section J). To determine whether the spouse has any social security income, we use the spouse's self-report. However, if the spouse did not respond, or the self-report is missing, we use the Financial Respondent's report. Our rationale for doing this is that the self-report is probably more accurate. It is also important to note that the self-report in the employment section is the only question about whether the Financial Respondent receives social security income.

From Wave 7 forward, an additional response option ("6. SSDI HAS CONVERTED TO SOCIAL SECURITY (VOL)") was added to the following question, which helped us determine whether the type of social security income being received was for retirement or disability:

According to our records, in [PREV WAVE FIRST R IW MONTH]/[/Prev Wave Iw Mo] [Previous Wave First R Interview Year]/[Prev Wave Iw Yr] you were receiving benefits from the Social Security Disability program or the Supplemental Security Income program. Which program was this: the Social Security Disability or the Supplemental Security Income program, or both?

For HRS Respondents in Wave 2, the income components corresponding to imputation flag H2IFSSJ are not available.

HRS Variables Used

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HRS 1992:
    V16001          N41:SS:RCV SOC SEC I:IND
    V16003          N41B:SS:  AMT RECD I:IND
    V16012          N42A:SS:R1:  AMT REC:IND
    V16021          N42A:SS:R2  AMT RECV:IND
    V16030          N43A:SS:R1:  AMT REC:IND
    V16107          N44A:SS:R2  AMT RECV:IND
    V6001           N41:SS:RCV SOC SEC I:IMP
    V6002           N41A:SS:1CHK/SEPARATE CK
    V6003           N41B:SS:  AMT RECVD :IMP
    V6006           N42:SS:R1RETIREMENT
    V6008           N42:SS:R1SURVIVORS BEN
    V6009           N42:SS:R1DEPND OF DISAB
    V6010           N42:SS:R1DEPND OR RETIR
    V6011           N42:SS:R1OTHER
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    V6012           N42A:SS:R1  AMT RECV:IMP
    V6015           N42:SS:R2RETIREMENT
    V6017           N42:SS:R2SURVIVORS BEN
    V6018           N42:SS:R2DEPND OF DISAB
    V6019           N42:SS:R2DEPND OR RETIR
    V6020           N42:SS:R2OTHER
    V6021           N42A:SS:R2  AMT RECV:IMP
    V6024           N43:SS:R1RETIREMENT
    V6026           N43:SS:R1SURVIVORS BENFT
    V6027           N43:SS:R1DPEND OF DSABLD
    V6028           N43:SS:R1DPEND OF RTIRED
    V6029           N43:SS:R1OTHER
    V6030           N43A:SS:R1  AMT RECV:IMP
    V6101           N44:SS:R2RETIREMENT
    V6103           N44:SS:R2SURVIVORS BENFT
    V6104           N44:SS:R2DPEND OF DSABLD
    V6105           N44:SS:R2DPEND OF RTIRED
    V6106           N44:SS:R2OTHER
    V6107           N44A:SS:R2  AMT RECV:IMP
AHEAD 1993:
    B1376           J1. SS: RECEIVE ANY
    B1377           J1a. SS: 1 OR 2 CHECKS
    B1378           J2. SS: R TYPE
    B1379           J2b. SS: R $ LAST MONTH
    B1381           J2d. SS: R START MONTH
    B1382           J2e. SS: R START YEAR
    B1389           J3. SS: SP TYPE
    B1390           J3a. SS: SP $ LAST MONTH
    B1392           J3c. SS: SP START MONTH
    B1393           J3d. SS: SP START YEAR
HRS 1994:
    W16253          N23. Imputation flag
    W16254          N23a. Imputation flag
    W16260          N23c. Imputation flag
    W16268          N23g. Imputation flag
    W6253           N23.SOCIAL SECURITY?
    W6254           N23a.WHO RECEIVED SOCIAL
    W6255           N23b.TYPE SOCIAL SECURIT
    W6256           N23b.TYPE SOCIAL SECURIT
    W6260           N23c.AMT SS LAST MONTH
    W6261           N23e.START RECEIVING SS-
    W6262           N23e.START RECEIVING SS-
    W6263           N23f.SP-TYPE SOCIAL SECU
    W6264           N23f.SP-TYPE SOCIAL SECU
    W6268           N23g.SP-AMT SS LAST MONT
    W6269           N23h.SP-START RECEIVING
    W6270           N23h.SP-START RECEIVING
AHEAD 1995:
    D3875           J1.RECEIVE SOC SEC
    D3877M1         J2.R TYPE SOC SEC
    D3877M2         J2.R TYPE SOC SEC
    D3878           J3.AMT SOC SEC LAST MNTH
    D3879           J3A.AMT SS R DK-1
    D3880           J3B.AMT SS R DK-2
    D3881           J3C.AMT SS R DK-3
    D3883           J4A.MONTH START SOC SEC
    D3884           J4A.YEAR START SOC SEC
    D3885           J5.SP REC SS
    D3886M1         J5A.SP TYPE SOC SEC
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    D3886M2         J5A.SP TYPE SOC SEC
    D3888           J6.AMT SOC SEC LAST MNTH SP/PT
    D3889           J6A.AMT SS S DK-1
    D3890           J6B.AMT SS S DK-2
    D3891           J6C.AMT SS S DK-3
    D3893           J7A.MONTH START SOC SEC SP/PT
    D3894           J7B.YEAR START SOC SEC SP/PT
HRS 1996:
    E3580           GD18. RECEIVE SSD/SSI
    E3582           GD18B. SS STOP-YR
    E3606           GD26F1. SS RECEIVE-YR
    E3614           GD26J. SS-STILL RECEIVING
    E3616           GD26K1. SS STOP-YR
    E3983           J45.SOC SEC INCOME
    E3984           J46.WHO RECEIVE SOC SEC INCOME
    E3985           J47.R AMT RECVD SS LAST MO
    E3986           J47A.R $ RECVD SS LAST MO DK-1K
    E3987           J47B.R $ RECVD SS LAST MO DK-1.5K
    E3989           J47D.R $ RECVD SS LAST MO DK-500
    E3990           J48.R RECV SS BENEFITS START YEAR
    E3991           J49.SS BENEFITS START MONTH
    E3996           J50A1.SP HOW MUCH SS BENEFITS
    E3997           J50A2.SP $ SS BENEFITS DK-1K
    E3998           J50A3.SP $ SS BENEFITS DK-1.5K
    E4000           J50A5.SP $ SS BENEFITS DK-500
    E4001           J50B1.SP BENEFITS START - YEAR
    E4002           J50B2.SP BENEFITS START - MONTH
HRS 1998:
    F272            PREV WAVE R REC SS
    F273            PREV WAVE S/P REC SS
    F4088           GD18. RECEIVE SSD/SSI
    F4090           GD18B. SS STOP-YR
    F4135           GD26F1. SS RECEIVE-YR
    F4139           GD26J. SS-STILL RECEIVING
    F4141           GD26K1. SS STOP-YR
    F4498           GJ123F1.SS AWARDED - YEAR
    F4502           GJ123J.STILL RECEIVING BENEFITS
    F4504           GJ123K1.BENEFITS STOPPED - YEAR
    F4743           J45.SOC SEC INCOME
    F4744           J46.WHO RECEIVE SOC SEC INCOME
    F4745           J47.R AMT RECVD SS LAST MO
    F4746           J47A.R DK-1K
    F4747           J47B.R DK-1,500
    F4749           J47D.R DK-500
    F4750           J48.R SS BENEFITS START YEAR
    F4751           J49.R SS BENEFITS START MONTH
    F4756           J50A1.SP HOW MUCH SS BENEFITS
    F4757           J50A2.SP DK-1K
    F4758           J50A3.SP DK-1,500
    F4760           J50A5.SP DK-500
    F4761           J50B1.SP SS BENEFITS START YEAR
    F4762           J50B2.SP SS BENEFITS START MONTH
HRS 2000:
    G272            PR272.PREV WAVE R REC SS
    G273            PR273.PREV WAVE S/P REC SS
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4378           GD18AD. SSDI START-YEAR
    G4382           GD18AF. SSDI STOP-YR
    G4392           GD18CC. SSDI START-YEAR
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    G4396           GD18CG.STILL RECEIVING SSDI BENEFITS
    G4399           GD18CK. SSDI STOP-YR
    G4405           GD18DF. SSDI START-YEAR
    G4409           GD18DK.STILL RECEIVING SSDI BENEFITS
    G4412           GD18DP. SSDI STOP-YR
    G4465           GD26F1.SSD LAST APP BENEFITS START-YR
    G4466           GD26G.SSD-STILL RECEIVING
    G4472           GD26M1.SSD BENEFITS STOP-YR
    G4870           GJ123F1.SSDI AWARDED - YEAR
    G4875           GJ123J.STILL RECEIVING BENEFITS
    G4877           GJ123K.BENEFITS STOPPED - YEAR
    G5182           J45.SOC SEC INCOME
    G5185           J46.WHO RECEIVE SOC SEC INCOME
    G5186           J47.R AMT RECVD SS LAST MO
    G5187           J47A.R DK-700
    G5188           J47B.R DK-1000
    G5190           J47D.R DK-500
    G5193           J48.R SS BENEFITS START YEAR
    G5194           J49.R SS BENEFITS START MONTH
    G5199           J50A1.SP HOW MUCH SS BENEFITS
    G5200           J50A2.SP DK-700
    G5201           J50A3.SP DK-1000
    G5203           J50A5.SP DK-500
    G5204           J50B1.SP SS BENEFITS START YEAR
    G5205           J50B2.SP SS BENEFITS START MONTH
HRS 2002:
    HM030F1         HM030F1 STILL RECEIVING SSDI BENEFITS
    HM030L1         HM030L1 SSDI STOP-YR
    HM032B1         HM032B1 SSDI START-YR
    HM032F1         HM032F1 STILL RECEIVING SSDI BENEFITS
    HM032L1         HM032L1 SSDI STOP-YR
    HM040K          HM040K SSDI START-YR
    HM040P          HM040P STILL RECEIVING SSDI BENEFITS
    HM040V          HM040VSSDI STOP-YR
    HM648B1         SSDI START YEAR-1
    HM648B2         SSDI START YEAR-2
    HM648F1         STILL RECEIVING SSDI BENEFITS-1
    HM648F2         STILL RECEIVING SSDI BENEFITS-2
    HM648L1         SSDI STOP YEAR-1
    HQ084           SP SOCIAL SECURITY INCOME
    HQ085           R AMOUNT OF SS INCOME - LAST MONTH
    HQ086           R AMT FROM SS INCOME - MIN
    HQ087           R AMT FROM SS INCOME - MAX
    HQ088           R AMT FROM SS INCOME - RESULT
    HQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    HQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    HQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    HQ092           SP AMT FROM SS INCOME - MIN
    HQ093           SP AMT FROM SS INCOME - MAX
    HQ094           SP AMT FROM SS INCOME - RESULT
    HQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    HQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    HQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    HZ125           PREV WAVE R RECEIVES SS
    HZ126           PREV WAVE S/P RECEIVES SS
HRS 2004:
    JM030           HM030 REC SSDI/SSI/BOTH
    JMW234C         HM032B2 SSDI START-YR -2
    JMW234I         HM040K SSDI START-YR -3
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    JMW234Q         HM648B1 SSDI START YEAR-1
    JMW234R         HM648B2 SSDI START-YR -2
    JMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    JMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    JMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    JMW238Q         HM648F1 STILL REC SSDI BENS-1
    JMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    JMW244A         HM030K1 SSDI STOP-YR
    JMW244C         HM030L1 SSDI STOP-YR -2
    JMW244I         HM032L1 SSDI STOP-YR -3
    JMW244Q         SSDI STOP YEAR-1
    JMW244R         HM648L2 SSDI STOP-YR -2
    JQ084           SP SOCIAL SECURITY INCOME
    JQ085           R AMOUNT OF SS INCOME - LAST MONTH
    JQ086           R AMT FROM SS INCOME - MIN
    JQ087           R AMT FROM SS INCOME - MAX
    JQ088           R AMT FROM SS INCOME - RESULT
    JQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    JQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    JQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    JQ092           SP AMT FROM SS INCOME - MIN
    JQ093           SP AMT FROM SS INCOME - MAX
    JQ094           SP AMT FROM SS INCOME - RESULT
    JQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    JQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    JQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    JZ125           PREV WAVE R RECEIVES SS
    JZ126           PREV WAVE S/P RECEIVES SS
HRS 2006:
    KM030           HM030 REC SSDI/SSI/BOTH
    KMW234C         HM032B2 SSDI START-YR -2
    KMW234I         HM040K SSDI START-YR -3
    KMW234Q         HM648B1 SSDI START YEAR-1
    KMW234R         HM648B2 SSDI START-YR -2
    KMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    KMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    KMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    KMW238Q         HM648F1 STILL REC SSDI BENS-1
    KMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    KMW244A         HM030K1 SSDI STOP-YR
    KMW244C         HM030L1 SSDI STOP-YR -2
    KMW244I         HM032L1 SSDI STOP-YR -3
    KMW244Q         SSDI STOP YEAR-1
    KMW244R         HM648L2 SSDI STOP-YR -2
    KQ084           SP SOCIAL SECURITY INCOME
    KQ085           R AMOUNT OF SS INCOME - LAST MONTH
    KQ086           R AMT FROM SS INCOME - MIN
    KQ087           R AMT FROM SS INCOME - MAX
    KQ088           R AMT FROM SS INCOME - RESULT
    KQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    KQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    KQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    KQ092           SP AMT FROM SS INCOME - MIN
    KQ093           SP AMT FROM SS INCOME - MAX
    KQ094           SP AMT FROM SS INCOME - RESULT
    KQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    KQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    KQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    KZ125           PREV WAVE R RECEIVES SS
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    KZ126           PREV WAVE S/P RECEIVES SS
HRS 2008:
    LM030           HM030 REC SSDI/SSI/BOTH
    LMW234C         HM032B2 SSDI START-YR -2
    LMW234I         HM040K SSDI START-YR -3
    LMW234Q         HM648B1 SSDI START YEAR-1
    LMW234R         HM648B2 SSDI START-YR -2
    LMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    LMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    LMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    LMW238Q         HM648F1 STILL REC SSDI BENS-1
    LMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    LMW244A         HM030K1 SSDI STOP-YR
    LMW244C         HM030L1 SSDI STOP-YR -2
    LMW244I         HM032L1 SSDI STOP-YR -3
    LMW244Q         SSDI STOP YEAR-1
    LMW244R         HM648L2 SSDI STOP-YR -2
    LQ084           SP SOCIAL SECURITY INCOME
    LQ085           R AMOUNT OF SS INCOME - LAST MONTH
    LQ086           R AMT FROM SS INCOME - MIN
    LQ087           R AMT FROM SS INCOME - MAX
    LQ088           R AMT FROM SS INCOME - RESULT
    LQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    LQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    LQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    LQ092           SP AMT FROM SS INCOME - MIN
    LQ093           SP AMT FROM SS INCOME - MAX
    LQ094           SP AMT FROM SS INCOME - RESULT
    LQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    LQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    LQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    LZ125           PREV WAVE R RECEIVES SS
    LZ126           PREV WAVE S/P RECEIVES SS
HRS 2010:
    MM030           HM030 REC SSDI/SSI/BOTH
    MMW234C         HM032B2 SSDI START-YR -2
    MMW234I         HM040K SSDI START-YR -3
    MMW234Q         HM648B1 SSDI START YEAR-1
    MMW234R         HM648B2 SSDI START-YR -2
    MMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    MMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    MMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    MMW238Q         HM648F1 STILL REC SSDI BENS-1
    MMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    MMW244A         HM030K1 SSDI STOP-YR
    MMW244C         HM030L1 SSDI STOP-YR -2
    MMW244I         HM032L1 SSDI STOP-YR -3
    MMW244Q         SSDI STOP YEAR-1
    MMW244R         HM648L2 SSDI STOP-YR -2
    MQ084           SP SOCIAL SECURITY INCOME
    MQ085           R AMOUNT OF SS INCOME - LAST MONTH
    MQ086           R AMT FROM SS INCOME - MIN
    MQ087           R AMT FROM SS INCOME - MAX
    MQ088           R AMT FROM SS INCOME - RESULT
    MQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    MQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    MQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    MQ092           SP AMT FROM SS INCOME - MIN
    MQ093           SP AMT FROM SS INCOME - MAX
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    MQ094           SP AMT FROM SS INCOME - RESULT
    MQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    MQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    MQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    MZ125           PREV WAVE R RECEIVES SS
    MZ126           PREV WAVE S/P RECEIVES SS
HRS 2012:
    NM030           HM030 REC SSDI/SSI/BOTH
    NMW234C         HM032B2 SSDI START-YR -2
    NMW234I         HM040K SSDI START-YR -3
    NMW234Q         HM648B1 SSDI START YEAR-1
    NMW234R         HM648B2 SSDI START-YR -2
    NMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    NMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    NMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    NMW238Q         HM648F1 STILL REC SSDI BENS-1
    NMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    NMW244A         HM030K1 SSDI STOP-YR
    NMW244C         HM030L1 SSDI STOP-YR -2
    NMW244I         HM032L1 SSDI STOP-YR -3
    NMW244Q         SSDI STOP YEAR-1
    NMW244R         HM648L2 SSDI STOP-YR -2
    NQ084           SP SOCIAL SECURITY INCOME
    NQ085           R AMOUNT OF SS INCOME - LAST MONTH
    NQ086           R AMT FROM SS INCOME - MIN
    NQ087           R AMT FROM SS INCOME - MAX
    NQ088           R AMT FROM SS INCOME - RESULT
    NQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    NQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    NQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    NQ092           SP AMT FROM SS INCOME - MIN
    NQ093           SP AMT FROM SS INCOME - MAX
    NQ094           SP AMT FROM SS INCOME - RESULT
    NQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    NQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    NQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    NZ125           PREV WAVE R RECEIVES SS
    NZ126           PREV WAVE S/P RECEIVES SS
HRS 2014:
    OM030           HM030 REC SSDI/SSI/BOTH
    OMW234C         HM032B2 SSDI START-YR -2
    OMW234I         HM040K SSDI START-YR -3
    OMW234Q         HM648B1 SSDI START YEAR-1
    OMW234R         HM648B2 SSDI START-YR -2
    OMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    OMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    OMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    OMW238Q         HM648F1 STILL REC SSDI BENS-1
    OMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    OMW244A         HM030K1 SSDI STOP-YR
    OMW244C         HM030L1 SSDI STOP-YR -2
    OMW244I         HM032L1 SSDI STOP-YR -3
    OMW244Q         SSDI STOP YEAR-1
    OMW244R         HM648L2 SSDI STOP-YR -2
    OQ084           SP SOCIAL SECURITY INCOME
    OQ085           R AMOUNT OF SS INCOME - LAST MONTH
    OQ086           R AMT FROM SS INCOME - MIN
    OQ087           R AMT FROM SS INCOME - MAX
    OQ088           R AMT FROM SS INCOME - RESULT
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    OQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    OQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    OQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    OQ092           SP AMT FROM SS INCOME - MIN
    OQ093           SP AMT FROM SS INCOME - MAX
    OQ094           SP AMT FROM SS INCOME - RESULT
    OQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    OQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    OQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    OZ125           PREV WAVE R RECEIVES SS
    OZ126           PREV WAVE S/P RECEIVES SS
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    EFINR           1996 WHETHER FINANCIAL RESPONDENT
    FFINR           1998 WHETHER FINANCIAL RESPONDENT
    GFINR           2000 WHETHER FINANCIAL RESPONDENT
    HFINR           2002 WHETHER FINANCIAL RESPONDENT
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
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Individual Unemployment or Workers Compensation

Wave	Variable	Label	Type
1	R1IUNWC	R1IUNWC:W1 Income:R Unemp + Workers Comp	Cont
2	R2IUNWC	R2IUNWC:W2 Income:R Unemp + Workers Comp	Cont
3	R3IUNWC	R3IUNWC:W3 Income:R Unemp + Workers Comp	Cont
4	R4IUNWC	R4IUNWC:W4 Income:R Unemp + Workers Comp	Cont
5	R5IUNWC	R5IUNWC:W5 Income:R Unemp + Workers Comp	Cont
6	R6IUNWC	R6IUNWC:W6 Income:R Unemp + Workers Comp	Cont
7	R7IUNWC	R7IUNWC:W7 Income:R Unemp + Workers Comp	Cont
8	R8IUNWC	R8IUNWC:W8 Income:R Unemp + Workers Comp	Cont
9	R9IUNWC	R9IUNWC:W9 Income:R Unemp + Workers Comp	Cont
10	R10IUNWC	R10IUNWC:W10 Income:R Unemp + Workers Comp	Cont
11	R11IUNWC	R11IUNWC:W11 Income:R Unemp + Workers Comp	Cont
12	R12IUNWC	R12IUNWC:W12 Income:R Unemp + Workers Comp	Cont
1	S1IUNWC	S1IUNWC:W1 Income:Sp Unemp + Workers Comp	Cont
2	S2IUNWC	S2IUNWC:W2 Income:Sp Unemp + Workers Comp	Cont
3	S3IUNWC	S3IUNWC:W3 Income:Sp Unemp + Workers Comp	Cont
4	S4IUNWC	S4IUNWC:W4 Income:Sp Unemp + Workers Comp	Cont
5	S5IUNWC	S5IUNWC:W5 Income:Sp Unemp + Workers Comp	Cont
6	S6IUNWC	S6IUNWC:W6 Income:Sp Unemp + Workers Comp	Cont
7	S7IUNWC	S7IUNWC:W7 Income:Sp Unemp + Workers Comp	Cont
8	S8IUNWC	S8IUNWC:W8 Income:Sp Unemp + Workers Comp	Cont
9	S9IUNWC	S9IUNWC:W9 Income:Sp Unemp + Workers Comp	Cont
10	S10IUNWC	S10IUNWC:W10 Income:Sp Unemp + Workers Comp	Cont
11	S11IUNWC	S11IUNWC:W11 Income:Sp Unemp + Workers Comp	Cont
12	S12IUNWC	S12IUNWC:W12 Income:Sp Unemp + Workers Comp	Cont
1	R1IFUNWC	R1IFUNWC:W1 ImpFlag:R Unemp + Workers Comp	Categ
2	R2IFUNWC	R2IFUNWC:W2 ImpFlag:R Unemp + Workers Comp	Categ
3	R3IFUNWC	R3IFUNWC:W3 ImpFlag:R Unemp + Workers Comp	Categ
4	R4IFUNWC	R4IFUNWC:W4 ImpFlag:R Unemp + Workers Comp	Categ
5	R5IFUNWC	R5IFUNWC:W5 ImpFlag:R Unemp + Workers Comp	Categ
6	R6IFUNWC	R6IFUNWC:W6 ImpFlag:R Unemp + Workers Comp	Categ
7	R7IFUNWC	R7IFUNWC:W7 ImpFlag:R Unemp + Workers Comp	Categ
8	R8IFUNWC	R8IFUNWC:W8 ImpFlag:R Unemp + Workers Comp	Categ
9	R9IFUNWC	R9IFUNWC:W9 ImpFlag:R Unemp + Workers Comp	Categ
10	R10IFUNWC	R10IFUNWC:W10 ImpFlag:R Unemp + Workers Comp	Categ
11	R11IFUNWC	R11IFUNWC:W11 ImpFlag:R Unemp + Workers Comp	Categ
12	R12IFUNWC	R12IFUNWC:W12 ImpFlag:R Unemp + Workers Comp	Categ
1	S1IFUNWC	S1IFUNWC:W1 ImpFlag:Sp Unemp + Workers Comp	Categ
2	S2IFUNWC	S2IFUNWC:W2 ImpFlag:Sp Unemp + WorkerComp	Categ
3	S3IFUNWC	S3IFUNWC:W3 ImpFlag:Sp Unemp + WorkerComp	Categ
4	S4IFUNWC	S4IFUNWC:W4 ImpFlag:Sp Unemp + Workers Comp	Categ
5	S5IFUNWC	S5IFUNWC:W5 ImpFlag:Sp Unemp + Workers Comp	Categ
6	S6IFUNWC	S6IFUNWC:W6 ImpFlag:Sp Unemp + WorkerComp	Categ
7	S7IFUNWC	S7IFUNWC:W7 ImpFlag:Sp Unemp + Workers Comp	Categ
8	S8IFUNWC	S8IFUNWC:W8 ImpFlag:Sp Unemp + Workers Comp	Categ
9	S9IFUNWC	S9IFUNWC:W9 ImpFlag:Sp Unemp + Workers Comp	Categ
10	S10IFUNWC	S10IFUNWC:W10 ImpFlag:Sp Unemp + Workers Comp	Categ
11	S11IFUNWC	S11IFUNWC:W11 ImpFlag:Sp Unemp + Workers Comp	Categ
12	S12IFUNWC	S12IFUNWC:W12 ImpFlag:Sp Unemp + Workers Comp	Categ
1	R1IUNEM	R1IUNEM:W1 Income:R Unemployment	Cont
2	R2IUNEM	R2IUNEM:W2 Income:R Unemployment	Cont
3	R3IUNEM	R3IUNEM:W3 Income:R Unemployment	Cont
4	R4IUNEM	R4IUNEM:W4 Income:R Unemployment	Cont
5	R5IUNEM	R5IUNEM:W5 Income:R Unemployment	Cont
6	R6IUNEM	R6IUNEM:W6 Income:R Unemployment	Cont
7	R7IUNEM	R7IUNEM:W7 Income:R Unemployment	Cont
8	R8IUNEM	R8IUNEM:W8 Income:R Unemployment	Cont
9	R9IUNEM	R9IUNEM:W9 Income:R Unemployment	Cont
10	R10IUNEM	R10IUNEM:W10 Income:R Unemployment	Cont
11	R11IUNEM	R11IUNEM:W11 Income:R Unemployment	Cont
12	R12IUNEM	R12IUNEM:W12 Income:R Unemployment	Cont
1	S1IUNEM	S1IUNEM:W1 Income:Sp unemployment	Cont

2	S2IUNEM	S2IUNEM:W2 Income:Sp unemployment	Cont
3	S3IUNEM	S3IUNEM:W3 Income:Sp unemployment	Cont
4	S4IUNEM	S4IUNEM:W4 Income:Sp unemployment	Cont
5	S5IUNEM	S5IUNEM:W5 Income:Sp unemployment	Cont
6	S6IUNEM	S6IUNEM:W6 Income:Sp unemployment	Cont
7	S7IUNEM	S7IUNEM:W7 Income:Sp unemployment	Cont
8	S8IUNEM	S8IUNEM:W8 Income:Sp unemployment	Cont
9	S9IUNEM	S9IUNEM:W9 Income:Sp unemployment	Cont
10	S10IUNEM	S10IUNEM:W10 Income:Sp unemployment	Cont
11	S11IUNEM	S11IUNEM:W11 Income:Sp unemployment	Cont
12	S12IUNEM	S12IUNEM:W12 Income:Sp unemployment	Cont
1	R1IFUNEM	R1IFUNEM:W1 IncFlag:R Unemployment	Categ
2	R2IFUNEM	R2IFUNEM:W2 IncFlag:R Unemployment	Categ
3	R3IFUNEM	R3IFUNEM:W3 IncFlag:R Unemployment	Categ
4	R4IFUNEM	R4IFUNEM:W4 IncFlag:R Unemployment	Categ
5	R5IFUNEM	R5IFUNEM:W5 IncFlag:R Unemployment	Categ
6	R6IFUNEM	R6IFUNEM:W6 IncFlag:R Unemployment	Categ
7	R7IFUNEM	R7IFUNEM:W7 IncFlag:R Unemployment	Categ
8	R8IFUNEM	R8IFUNEM:W8 IncFlag:R Unemployment	Categ
9	R9IFUNEM	R9IFUNEM:W9 IncFlag:R Unemployment	Categ
10	R10IFUNEM	R10IFUNEM:W10 IncFlag:R Unemployment	Categ
11	R11IFUNEM	R11IFUNEM:W11 IncFlag:R Unemployment	Categ
12	R12IFUNEM	R12IFUNEM:W12 IncFlag:R Unemployment	Categ
1	S1IFUNEM	S1IFUNEM:W1 IncFlag:Sp Unemployment	Categ
2	S2IFUNEM	S2IFUNEM:W2 IncFlag:Sp Unemployment	Categ
3	S3IFUNEM	S3IFUNEM:W3 IncFlag:Sp Unemployment	Categ
4	S4IFUNEM	S4IFUNEM:W4 IncFlag:Sp Unemployment	Categ
5	S5IFUNEM	S5IFUNEM:W5 IncFlag:Sp Unemployment	Categ
6	S6IFUNEM	S6IFUNEM:W6 IncFlag:Sp Unemployment	Categ
7	S7IFUNEM	S7IFUNEM:W7 IncFlag:Sp Unemployment	Categ
8	S8IFUNEM	S8IFUNEM:W8 IncFlag:Sp Unemployment	Categ
9	S9IFUNEM	S9IFUNEM:W9 IncFlag:Sp Unemployment	Categ
10	S10IFUNEM	S10IFUNEM:W10 IncFlag:Sp Unemployment	Categ
11	S11IFUNEM	S11IFUNEM:W11 IncFlag:Sp Unemployment	Categ
12	S12IFUNEM	S12IFUNEM:W12 IncFlag:Sp Unemployment	Categ
1	R1IWCMP	R1IWCMP:W1 Income:R Worker Comp	Cont
2	R2IWCMP	R2IWCMP:W2 Income:R Worker Comp	Cont
3	R3IWCMP	R3IWCMP:W3 Income:R Worker Comp	Cont
4	R4IWCMP	R4IWCMP:W4 Income:R Worker Comp	Cont
5	R5IWCMP	R5IWCMP:W5 Income:R Worker Comp	Cont
6	R6IWCMP	R6IWCMP:W6 Income:R Worker Comp	Cont
7	R7IWCMP	R7IWCMP:W7 Income:R Worker Comp	Cont
8	R8IWCMP	R8IWCMP:W8 Income:R Worker Comp	Cont
9	R9IWCMP	R9IWCMP:W9 Income:R Worker Comp	Cont
10	R10IWCMP	R10IWCMP:W10 Income:R Worker Comp	Cont
11	R11IWCMP	R11IWCMP:W11 Income:R Worker Comp	Cont
12	R12IWCMP	R12IWCMP:W12 Income:R Worker Comp	Cont
1	S1IWCMP	S1IWCMP:W1 Income:Sp Worker Comp	Cont
2	S2IWCMP	S2IWCMP:W2 Income:Sp Worker Comp	Cont
3	S3IWCMP	S3IWCMP:W3 Income:Sp Worker Comp	Cont
4	S4IWCMP	S4IWCMP:W4 Income:Sp Worker Comp	Cont
5	S5IWCMP	S5IWCMP:W5 Income:Sp Worker Comp	Cont
6	S6IWCMP	S6IWCMP:W6 Income:Sp Worker Comp	Cont
7	S7IWCMP	S7IWCMP:W7 Income:Sp Worker Comp	Cont
8	S8IWCMP	S8IWCMP:W8 Income:Sp Worker Comp	Cont
9	S9IWCMP	S9IWCMP:W9 Income:Sp Worker Comp	Cont
10	S10IWCMP	S10IWCMP:W10 Income:Sp Worker Comp	Cont
11	S11IWCMP	S11IWCMP:W11 Income:Sp Worker Comp	Cont
12	S12IWCMP	S12IWCMP:W12 Income:Sp Worker Comp	Cont
1	R1IFWCMP	R1IFWCMP:W1 IncFlag:R Worker Comp	Categ
2	R2IFWCMP	R2IFWCMP:W2 IncFlag:R Worker Comp	Categ
3	R3IFWCMP	R3IFWCMP:W3 IncFlag:R Worker Comp	Categ
4	R4IFWCMP	R4IFWCMP:W4 IncFlag:R Worker Comp	Categ
5	R5IFWCMP	R5IFWCMP:W5 IncFlag:R Worker Comp	Categ
6	R6IFWCMP	R6IFWCMP:W6 IncFlag:R Worker Comp	Categ
7	R7IFWCMP	R7IFWCMP:W7 IncFlag:R Worker Comp	Categ
8	R8IFWCMP	R8IFWCMP:W8 IncFlag:R Worker Comp	Categ

9	R9IFWCMP	R9IFWCMP:W9 IncFlag:R Worker Comp	Categ
10	R10IFWCMP	R10IFWCMP:W10 IncFlag:R Worker Comp	Categ
11	R11IFWCMP	R11IFWCMP:W11 IncFlag:R Worker Comp	Categ
12	R12IFWCMP	R12IFWCMP:W12 IncFlag:R Worker Comp	Categ
1	S1IFWCMP	S1IFWCMP:W1 IncFlag:Sp Worker Comp	Categ
2	S2IFWCMP	S2IFWCMP:W2 IncFlag:Sp Worker Comp	Categ
3	S3IFWCMP	S3IFWCMP:W3 IncFlag:Sp Worker Comp	Categ
4	S4IFWCMP	S4IFWCMP:W4 IncFlag:Sp Worker Comp	Categ
5	S5IFWCMP	S5IFWCMP:W5 IncFlag:Sp Worker Comp	Categ
6	S6IFWCMP	S6IFWCMP:W6 IncFlag:Sp Worker Comp	Categ
7	S7IFWCMP	S7IFWCMP:W7 IncFlag:Sp Worker Comp	Categ
8	S8IFWCMP	S8IFWCMP:W8 IncFlag:Sp Worker Comp	Categ
9	S9IFWCMP	S9IFWCMP:W9 IncFlag:Sp Worker Comp	Categ
10	S10IFWCMP	S10IFWCMP:W10 IncFlag:Sp Worker Comp	Categ
11	S11IFWCMP	S11IFWCMP:W11 IncFlag:Sp Worker Comp	Categ
12	S12IFWCMP	S12IFWCMP:W12 IncFlag:Sp Worker Comp	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IUNWC	12652	204.77	1251.28	0.0	30800.0
R2IUNWC	19642	123.92	1044.24	0.0	31000.0
R3IUNWC	17991	106.62	1285.27	0.0	60000.0
R4IUNWC	21384	110.69	1075.24	0.0	30000.0
R5IUNWC	19579	94.85	1235.11	0.0	100000.0
R6IUNWC	18165	64.03	738.33	0.0	32760.0
R7IUNWC	20129	112.12	1163.63	0.0	80000.0
R8IUNWC	18469	79.74	901.74	0.0	39000.0
R9IUNWC	17217	79.09	1111.42	0.0	100000.0
R10IUNWC	22034	320.04	2134.49	0.0	108321.1
R11IUNWC	20554	226.76	1767.83	0.0	50000.0
R12IUNWC	18748	154.73	1597.41	0.0	117000.0
S1IUNWC	10279	208.55	1314.58	0.0	30800.0
S2IUNWC	17345	106.99	980.68	0.0	31000.0
S3IUNWC	15656	97.24	1297.26	0.0	60000.0
S4IUNWC	14515	123.39	1146.26	0.0	30000.0
S5IUNWC	13041	102.95	1375.84	0.0	100000.0
S6IUNWC	11859	74.41	798.96	0.0	32760.0
S7IUNWC	13352	113.36	1076.11	0.0	50000.0
S8IUNWC	12052	96.81	1091.31	0.0	39000.0
S9IUNWC	11012	92.86	1296.19	0.0	100000.0
S10IUNWC	14235	357.11	2313.51	0.0	108321.1
S11IUNWC	13080	243.28	1861.56	0.0	36200.0
S12IUNWC	11625	170.89	1825.20	0.0	117000.0
R1IFUNWC	12652	0.14	0.83	0.0	9.0
R2IFUNWC	11420	0.17	0.98	0.0	9.0
R3IFUNWC	10964	0.12	0.79	0.0	9.0
R4IFUNWC	21384	0.12	0.90	0.0	9.0
R5IFUNWC	19579	0.09	0.78	0.0	9.0
R6IFUNWC	18165	0.05	0.50	0.0	9.0
R7IFUNWC	20129	0.08	0.64	0.0	9.0
R8IFUNWC	18469	0.06	0.57	0.0	9.0
R9IFUNWC	17217	0.07	0.62	0.0	9.0
R10IFUNWC	22034	0.24	1.26	0.0	9.0
R11IFUNWC	20554	0.13	0.86	0.0	9.0

R12IFUNWC	18748	0.14	0.95	0.0	9.0
S1IFUNWC	12652	1.63	3.17	0.0	9.0
S2IFUNWC	11420	1.74	3.26	0.0	9.0
S3IFUNWC	10964	1.79	3.31	0.0	9.0
S4IFUNWC	21384	2.67	3.76	0.0	9.0
S5IFUNWC	19579	2.74	3.78	0.0	9.0
S6IFUNWC	18165	2.82	3.80	0.0	9.0
S7IFUNWC	20129	2.76	3.78	0.0	9.0
S8IFUNWC	18469	2.83	3.81	0.0	9.0
S9IFUNWC	17217	2.94	3.84	0.0	9.0
S10IFUNWC	22034	3.01	3.85	0.0	9.0
S11IFUNWC	20554	3.01	3.85	0.0	9.0
S12IFUNWC	18748	3.15	3.89	0.0	9.0
R1IUNEM	12652	116.52	784.40	0.0	28000.0
R2IUNEM	19642	77.06	690.60	0.0	19000.0
R3IUNEM	17991	43.95	492.79	0.0	20000.0
R4IUNEM	21384	54.89	570.49	0.0	25000.0
R5IUNEM	19579	38.78	414.74	0.0	12000.0
R6IUNEM	18165	41.21	504.81	0.0	20000.0
R7IUNEM	20129	80.45	938.33	0.0	80000.0
R8IUNEM	18469	58.40	753.24	0.0	39000.0
R9IUNEM	17217	53.00	635.26	0.0	18200.0
R10IUNEM	22034	275.06	1799.37	0.0	32400.0
R11IUNEM	20554	188.63	1521.63	0.0	35000.0
R12IUNEM	18748	111.19	1040.44	0.0	25000.0
S1IUNEM	10279	116.91	805.83	0.0	28000.0
S2IUNEM	17345	65.70	646.35	0.0	19000.0
S3IUNEM	15656	38.10	479.32	0.0	20000.0
S4IUNEM	14515	61.64	611.26	0.0	25000.0
S5IUNEM	13041	40.30	428.38	0.0	12000.0
S6IUNEM	11859	47.21	554.16	0.0	20000.0
S7IUNEM	13352	72.28	704.22	0.0	20000.0
S8IUNEM	12052	65.30	884.85	0.0	39000.0
S9IUNEM	11012	58.54	672.19	0.0	18200.0
S10IUNEM	14235	296.30	1882.96	0.0	32400.0
S11IUNEM	13080	196.05	1568.13	0.0	35000.0
S12IUNEM	11625	111.23	1036.68	0.0	24000.0
R1IFUNEM	12652	5.83	1.01	1.0	9.0
R2IFUNEM	11420	5.85	0.98	1.0	9.0
R3IFUNEM	10964	5.90	0.81	1.0	9.0
R4IFUNEM	21384	5.95	0.70	1.0	9.0
R5IFUNEM	19579	5.96	0.61	1.0	9.0
R6IFUNEM	18165	5.95	0.58	1.0	9.0
R7IFUNEM	20129	5.93	0.68	1.0	9.0
R8IFUNEM	18469	5.95	0.59	1.0	9.0
R9IFUNEM	17217	5.96	0.56	1.0	9.0
R10IFUNEM	22034	5.87	1.05	1.0	9.0
R11IFUNEM	20554	5.89	0.86	1.0	9.0
R12IFUNEM	18748	5.93	0.77	1.0	9.0
S1IFUNEM	12652	6.25	1.23	1.0	9.0
S2IFUNEM	11420	6.30	1.19	1.0	9.0
S3IFUNEM	10964	6.36	1.10	1.0	9.0
S4IFUNEM	21384	6.61	1.14	1.0	9.0
S5IFUNEM	19579	6.64	1.09	1.0	9.0

S6IFUNEM	18165	6.66	1.09	1.0	9.0
S7IFUNEM	20129	6.63	1.12	1.0	9.0
S8IFUNEM	18469	6.66	1.09	1.0	9.0
S9IFUNEM	17217	6.70	1.08	1.0	9.0
S10IFUNEM	22034	6.63	1.33	1.0	9.0
S11IFUNEM	20554	6.66	1.22	1.0	9.0
S12IFUNEM	18748	6.73	1.17	1.0	9.0
R1IWCMP	12652	88.25	978.74	0.0	30800.0
R2IWCMP	19642	46.86	764.39	0.0	31000.0
R3IWCMP	17991	62.66	1164.51	0.0	60000.0
R4IWCMP	21384	55.79	904.75	0.0	30000.0
R5IWCMP	19579	56.07	1155.93	0.0	100000.0
R6IWCMP	18165	22.81	525.65	0.0	32760.0
R7IWCMP	20129	31.68	687.28	0.0	50000.0
R8IWCMP	18469	21.34	495.48	0.0	21900.0
R9IWCMP	17217	26.09	912.81	0.0	100000.0
R10IWCMP	22034	44.98	1114.18	0.0	108321.1
R11IWCMP	20554	38.12	879.37	0.0	50000.0
R12IWCMP	18748	43.55	1202.29	0.0	117000.0
S1IWCMP	10279	91.64	1034.07	0.0	30800.0
S2IWCMP	17345	41.29	732.72	0.0	31000.0
S3IWCMP	15656	59.15	1185.67	0.0	60000.0
S4IWCMP	14515	61.75	961.91	0.0	30000.0
S5IWCMP	13041	62.65	1299.90	0.0	100000.0
S6IWCMP	11859	27.20	573.05	0.0	32760.0
S7IWCMP	13352	41.07	815.59	0.0	50000.0
S8IWCMP	12052	31.51	638.97	0.0	21900.0
S9IWCMP	11012	34.31	1109.20	0.0	100000.0
S10IWCMP	14235	60.81	1299.78	0.0	108321.1
S11IWCMP	13080	47.23	972.03	0.0	36000.0
S12IWCMP	11625	59.66	1491.20	0.0	117000.0
R1IFWCMP	12652	5.95	0.66	1.0	9.0
R2IFWCMP	11420	5.97	0.65	1.0	9.0
R3IFWCMP	10964	5.96	0.60	1.0	9.0
R4IFWCMP	21384	6.00	0.50	1.0	9.0
R5IFWCMP	19579	5.99	0.47	1.0	9.0
R6IFWCMP	18165	5.99	0.33	1.0	9.0
R7IFWCMP	20129	6.00	0.38	1.0	9.0
R8IFWCMP	18469	6.00	0.33	1.0	9.0
R9IFWCMP	17217	6.00	0.35	1.0	9.0
R10IFWCMP	22034	6.04	0.53	1.0	9.0
R11IFWCMP	20554	6.01	0.41	1.0	9.0
R12IFWCMP	18748	6.02	0.44	1.0	9.0
S1IFWCMP	12652	6.34	0.99	1.0	9.0
S2IFWCMP	11420	6.38	0.99	1.0	9.0
S3IFWCMP	10964	6.40	0.98	1.0	9.0
S4IFWCMP	21384	6.65	1.03	1.0	9.0
S5IFWCMP	19579	6.66	1.02	1.0	9.0
S6IFWCMP	18165	6.69	1.00	1.0	9.0
S7IFWCMP	20129	6.67	1.01	1.0	9.0
S8IFWCMP	18469	6.69	1.00	1.0	9.0
S9IFWCMP	17217	6.72	1.01	1.0	9.0
S10IFWCMP	22034	6.74	1.04	1.0	9.0
S11IFWCMP	20554	6.74	1.02	1.0	9.0
S12IFWCMP	18748	6.78	1.03	1.0	9.0

Categorical Variable Codes

Value	R1IFUNWC	R2IFUNWC	R3IFUNWC	R4IFUNWC	R5IFUNWC	R6IFUNWC	R7IFUNWC
.Q=Not asked this wv		8222	7027				
0.No income	11749	10604	10407	20562	18962	17715	19466
1.No imputations	668	531	377	470	351	247	355
2.Some imputation	140	161	103	145	129	158	219
9.No Fin Resp	95	124	77	207	137	45	89

Value	R8IFUNWC	R9IFUNWC	R10IFUNWC	R11IFUNWC	R12IFUNWC
0.No income	18005	16801	20466	19544	17959
1.No imputations	243	217	806	549	382
2.Some imputation	156	124	344	290	208
9.No Fin Resp	65	75	418	171	199

Value	S1IFUNWC	S2IFUNWC	S3IFUNWC	S4IFUNWC	S5IFUNWC	S6IFUNWC	S7IFUNWC
.Q=Not asked this wv		4549	3704				
.U=Unmarried		3673	3323				
0.No income	9558	8519	8225	13877	12607	11536	12873
1.No imputations	512	384	270	346	241	173	237
2.Some imputation	114	121	70	107	100	114	165
8.No Sp/Part->no incm	2373	2297	2335	6869	6538	6306	6777
9.No Fin Resp	95	99	64	185	93	36	77

Value	S8IFUNWC	S9IFUNWC	S10IFUNWC	S11IFUNWC	S12IFUNWC
0.No income	11722	10708	13113	12394	11079
1.No imputations	159	149	537	341	230
2.Some imputation	119	93	258	202	156
8.No Sp/Part->no incm	6417	6205	7799	7474	7123
9.No Fin Resp	52	62	327	143	160

Value	R1IFUNEM	R2IFUNEM	R3IFUNEM	R4IFUNEM	R5IFUNEM	R6IFUNEM	R7IFUNEM
.Q=Not asked this wv		8222	7027				
1.Continuous value	495	400	262	338	242	203	296
2.Complete bracket						37	66
3.Incomplete bracket						4	10
5.No value/bracket	53	78	44	67	50	18	39
6.No income	11960	10771	10543	20719	19102	17793	19568
7.DK if income	49	47	38	53	48	65	61
9.No Fin Resp	95	124	77	207	137	45	89

Value	R8IFUNEM	R9IFUNEM	R10IFUNEM	R11IFUNEM	R12IFUNEM
1.Continuous value	201	172	747	493	332
2.Complete bracket	47	23	122	94	59
3.Incomplete bracket	4	2	14	8	6
5.No value/bracket	17	21	50	44	15
6.No income	18078	16867	20586	19656	18058
7.DK if income	57	57	97	88	79
9.No Fin Resp	65	75	418	171	199

Value	S1IFUNEM	S2IFUNEM	S3IFUNEM	S4IFUNEM	S5IFUNEM	S6IFUNEM	S7IFUNEM
.Q=Not asked this wv		4549	3704				
.U=Unmarried		3673	3323				
1.Continuous value	378	279	185	252	164	139	186
2.Complete bracket						27	48
3.Incomplete bracket						3	9
5.No value/bracket	43	63	37	49	40	12	33
6.No income	9724	8648	8322	13989	12707	11598	12959
7.DK if income	39	34	21	40	37	44	40
8.No spouse/partner	2373	2297	2335	6869	6538	6306	6777
9.No Fin Resp	95	99	64	185	93	36	77

Value	S8IFUNEM	S9IFUNEM	S10IFUNEM	S11IFUNEM	S12IFUNEM
1.Continuous value	128	115	489	297	194
2.Complete bracket	34	16	83	58	36
3.Incomplete bracket	4	1	11	9	6
5.No value/bracket	11	17	38	38	14
6.No income	11781	10758	13212	12472	11160
7.DK if income	42	43	75	63	55
8.No spouse/partner	6417	6205	7799	7474	7123
9.No Fin Resp	52	62	327	143	160

Value	R1IFWCMP	R2IFWCMP	R3IFWCMP	R4IFWCMP	R5IFWCMP	R6IFWCMP	R7IFWCMP
.Q=Not asked this wv		8222	7027				
1.Continuous value	184	144	127	139	117	50	65
2.Complete bracket						12	24
3.Incomplete bracket						3	1
5.No value/bracket	29	31	19	28	30	6	6
6.No income	12287	11081	10705	20967	19245	17976	19871
7.DK if income	57	40	36	43	50	73	73
9.No Fin Resp	95	124	77	207	137	45	89

Value	R8IFWCMP	R9IFWCMP	R10IFWCMP	R11IFWCMP	R12IFWCMP
1.Continuous value	45	46	76	63	61
2.Complete bracket	14	10	23	16	14
3.Incomplete bracket	1	1	1	1	3
5.No value/bracket	5	3	11	5	5
6.No income	18275	17024	21395	20192	18365
7.DK if income	64	58	110	106	101
9.No Fin Resp	65	75	418	171	199

Value	S1IFWCMP	S2IFWCMP	S3IFWCMP	S4IFWCMP	S5IFWCMP	S6IFWCMP	S7IFWCMP
.Q=Not asked this wv		4549	3704				
.U=Unmarried		3673	3323				
1.Continuous value	143	110	91	98	83	38	53
2.Complete bracket						10	17
3.Incomplete bracket						2	1
5.No value/bracket	25	18	11	20	22	3	4
6.No income	9970	8867	8444	14182	12804	11715	13146
7.DK if income	46	29	19	30	39	55	54
8.No spouse/partner	2373	2297	2335	6869	6538	6306	6777
9.No Fin Resp	95	99	64	185	93	36	77

Value	S8IFWCMP	S9IFWCMP	S10IFWCMP	S11IFWCMP	S12IFWCMP
1.Continuous value	33	35	60	50	42
2.Complete bracket	13	7	19	9	9
3.Incomplete bracket	1	1	1	2	3
5.No value/bracket	5	2	12	4	6
6.No income	11900	10862	13733	12803	11324
7.DK if income	48	43	83	69	81
8.No spouse/partner	6417	6205	7799	7474	7123
9.No Fin Resp	52	62	327	143	160

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

RwIUNWC sums the Respondent's income from unemployment and worker's compensation. Income from unemployment and worker's compensation are available separately in RwIUNEM and RwIWCMP. RwIFUNWC is the imputation flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

RwIFUNEM and RwIFWCMP indicate whether the Respondent's component is imputed.

SwIUNWC sums the spouse's income from unemployment and worker's compensation. Income from unemployment and worker's compensation are available separately in SwIUNEM and SwIWCMP. SwIFUNWC is the imputation flag that indicates whether any components are imputed, and if so, how much informationis available for imputation.

SwIFUNEM and SwIFWCMP indicate whether the spouse's component is imputed.

Unemployment and worker's compensation are not available for AHEAD Respondents in Waves 2A and 3A. RwIUNWC and SwIUNWC are set to zero for all AHEAD Respondents in these waves. Same for RwIUNEM, RwIWCMP, SwIUNEM and SwIWCMP. And RwIFUNWC and SwIFUNWC are set to .Q to flag the cases where this is done. Same for RwIFUNEM, SwIFUNEM, RwIFWCMP and SwIFWCMP.

Cross Wave Differences in Original HRS Data

The unemployment and worker's compensation questions are asked in all HRS waves for Respondent and spouse. The question wording varies slightly. In AHEAD (Waves 2A and 3A), there are no questions about unemployment and worker's compensation.

In Wave 1, the questions ask for income received in 1991. In Wave 2H, the questions ask for income received in 1993. Beginning in Wave 3H, the questions ask for income received in the last calendar year. The last calendar year is the year before the year of the interview.

The question about the amount received is:

"How much did you receive in [year]?"

Beginning in Wave 4, the question changes slightly to:

"How much did you receive in [year] (before taxes and other deductions)?"

In Wave 5, Respondents who are 65 years of age or older and report not working for pay in the last calendar year skip the questions about income from unemployment and worker's compensation. Respondents who are < 65 years of age, on the other hand, are asked both sets of questions, even if they are not working. From Wave 6 forward, the same pattern is true for Respondents who are 65 years of age or older. However, those who are < 65 years of age and report not working for pay in the last calendar year are asked the questions about income from unemployment but skip those related to worker's compensation.

Beginning in Wave 6, unfolding bracket questions are asked for unemployment and worker's compensation.

For AHEAD Respondents in Waves 2A and 3A, the income components corresponding to imputation flags R2IFUNEM, R2IFWCMP, S2IFUNEM, S2IFWCMP, R3IFUNEM, R3IFWCMP, S3IFUNEM, and S3IFWCMP are not available.

HRS Variables Used

```
HRS 1992:
    V15501          N8:1991:RECV UNEMP C:IND
    V15502          N8A:WHO RECVD UNEMP :IND
    V15503          N9:UNEMP COMP: AMTRE:IND
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    V15523          N9:UNEMP COMP: AMTRE:IND
    V15601          N13:1991:RECV WRKRS :IND
    V15602          N13A:WHO RECVD WRKRS:IND
    V15603          N16 WORK COMP: AMTRE:IND
    V15623          N16 WORK COMP: AMTRE:IND
    V5501           N8:1991:RECV UNEMP C:IMP
    V5502           N8A:WHO RECVD UNEMP :IMP
    V5503           N9:UNEMP COMP:$AMT R:IMP
    V5523           N11:UNEMP COMP:$AMT :IMP
    V5601           N13:1991:RECV WRKRS :IMP
    V5602           N13A:WHO RECVD WRKRS:IMP
    V5603           N14:WRKRS COMP:$AMT :IMP
    V5623           N16:WRK COMP:$AMT RE:IMP
HRS 1994:
    W15984          N9. Imputation flag
    W15985          N9a. Imputation flag
    W15986          N10. Imputation flag
    W16003          N12. Imputation flag
    W16020          N14. Imputation flag
    W16021          N14a. Imputation flag
    W16022          N15. Imputation flag
    W16039          N17. Imputation flag
    W5984           N9.UNEMPLOYMENT COMPENSA
    W5985           N9a.WHO RECD UNEMPLOYMEN
    W5986           N10.R-AMT UNEMPLOYMENT C
    W6003           N12.SP-AMT UNEMPLOYMENT
    W6020           N14.WORKERS COMPENSATION
    W6021           N14a.WHO RECD WORKERS CO
    W6022           N15.R-AMT WORKERS COMPEN
    W6039           N17.SP-AMT WORKERS COMPE
HRS 1996:
    E3871           J1.R OR SP WORK FOR PAY LCYEAR
    E3942           J21.WHETHER UNEMPL COMP LCY
    E3943           J22.WHO RECD UNEMPL COMP
    E3944           J23.AMT UNEMPL COMP LCY
    E3952           J28.AMT S/P UNEMPL COMP LCY
    E3961           J33.WHETHER WORKERS COMP LCY
    E3962           J34.WHO RECD WORKERS COMP
    E3963           J35.AMT WORKERS COMP LCY
    E3974           J40.AMT S/P WORKERS COMP LCY
HRS 1998:
    F4629           J1.R OR SP WORK FOR PAY LCYEAR
    F4702           J21.WHETHER UNEMPL COMP LCY
    F4703           J22.WHO RECD UNEMPL COMP
    F4704           J23.AMT UNEMPL COMP LCY
    F4712           J28.AMT S/P UNEMPL COMP LCY
    F4721           J33.WHETHER WORKERS COMP LCY
    F4722           J34.WHO RECD WORKERS COMP
    F4723           J35.AMT WORKERS COMP LCY
    F4734           J40.AMT S/P WORKERS COMP LCY
HRS 2000:
    G5068           J1.R OR SP WORK FOR PAY LCYEAR
    G5141           J21.WHETHER UNEMPL COMP LCY
    G5142           J22.WHO RECD UNEMPL COMP
    G5143           J23.AMT UNEMPL COMP LCY
    G5151           J28.AMT S/P UNEMPL COMP LCY
    G5160           J33.WHETHER WORKERS COMP LCY
    G5161           J34.WHO RECD WORKERS COMP
    G5162           J35.AMT WORKERS COMP LCY
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    G5173           J40.AMT S/P WORKERS COMP LCY
HRS 2002:
    HQ010           R OR SP WORK FOR PAY - LCY
    HQ064           R OR SP INCOME FROM UNEMPLOYMENT - LCY
    HQ065           WHO RECEIVED INC FROM UNEMPLOYMENT LCY
    HQ066           R AMOUNT FROM UNEMPLOYMENT - LCY
    HQ067           R AMT FROM UNEMPLOYMENT- MIN
    HQ068           R AMT FROM UNEMPLOYMENT - MAX
    HQ070           SP AMOUNT FROM UNEMPLOYMENT - LCY
    HQ071           SP AMT FROM UNEMPLOYMENT - MIN
    HQ072           SP AMT FROM UNEMPLOYMENT - MAX
    HQ074           R OR SP INCOME FROM WORKERS COMP - LCY
    HQ075           WHO RECEIVED FROM WORKERS COMP LCY
    HQ076           R AMOUNT FROM WORKERS COMP LCY
    HQ077           R AMT FROM WORKERS COMP - MIN
    HQ078           R AMT FROM WORKERS COMP - MAX
    HQ080           SP AMOUNT FROM WORKERS COMP LCY
    HQ081           SP AMT FROM WORKERS COMP - MIN
    HQ082           SP AMT FROM WORKERS COMP - MAX
HRS 2004:
    JQ010           R OR SP WORK FOR PAY - LCY
    JQ064           R OR SP INCOME FROM UNEMPLOYMENT - LCY
    JQ065           WHO RECEIVED INC FROM UNEMPLOYMENT LCY
    JQ066           R AMOUNT FROM UNEMPLOYMENT - LCY
    JQ067           R AMT FROM UNEMPLOYMENT- MIN
    JQ068           R AMT FROM UNEMPLOYMENT - MAX
    JQ070           SP AMOUNT FROM UNEMPLOYMENT - LCY
    JQ071           SP AMT FROM UNEMPLOYMENT - MIN
    JQ072           SP AMT FROM UNEMPLOYMENT - MAX
    JQ074           R OR SP INCOME FROM WORKERS COMP - LCY
    JQ075           WHO RECEIVED FROM WORKERS COMP LCY
    JQ076           R AMOUNT FROM WORKERS COMP LCY
    JQ077           R AMT FROM WORKERS COMP - MIN
    JQ078           R AMT FROM WORKERS COMP - MAX
    JQ080           SP AMOUNT FROM WORKERS COMP LCY
    JQ081           SP AMT FROM WORKERS COMP - MIN
    JQ082           SP AMT FROM WORKERS COMP - MAX
HRS 2006:
    KQ010           R OR SP WORK FOR PAY - LCY
    KQ064           R OR SP INCOME FROM UNEMPLOYMENT - LCY
    KQ065           WHO RECEIVED INC FROM UNEMPLOYMENT LCY
    KQ066           R AMOUNT FROM UNEMPLOYMENT - LCY
    KQ067           R AMT FROM UNEMPLOYMENT- MIN
    KQ068           R AMT FROM UNEMPLOYMENT - MAX
    KQ070           SP AMOUNT FROM UNEMPLOYMENT - LCY
    KQ071           SP AMT FROM UNEMPLOYMENT - MIN
    KQ072           SP AMT FROM UNEMPLOYMENT - MAX
    KQ074           R OR SP INCOME FROM WORKERS COMP - LCY
    KQ075           WHO RECEIVED FROM WORKERS COMP LCY
    KQ076           R AMOUNT FROM WORKERS COMP LCY
    KQ077           R AMT FROM WORKERS COMP - MIN
    KQ078           R AMT FROM WORKERS COMP - MAX
    KQ080           SP AMOUNT FROM WORKERS COMP LCY
    KQ081           SP AMT FROM WORKERS COMP - MIN
    KQ082           SP AMT FROM WORKERS COMP - MAX
HRS 2008:
    LQ010           R OR SP WORK FOR PAY - LCY
    LQ064           R OR SP INCOME FROM UNEMPLOYMENT - LCY
    LQ065           WHO RECEIVED INC FROM UNEMPLOYMENT LCY
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    LQ066           R AMOUNT FROM UNEMPLOYMENT - LCY
    LQ067           R AMT FROM UNEMPLOYMENT- MIN
    LQ068           R AMT FROM UNEMPLOYMENT - MAX
    LQ070           SP AMOUNT FROM UNEMPLOYMENT - LCY
    LQ071           SP AMT FROM UNEMPLOYMENT - MIN
    LQ072           SP AMT FROM UNEMPLOYMENT - MAX
    LQ074           R OR SP INCOME FROM WORKERS COMP - LCY
    LQ075           WHO RECEIVED FROM WORKERS COMP LCY
    LQ076           R AMOUNT FROM WORKERS COMP LCY
    LQ077           R AMT FROM WORKERS COMP - MIN
    LQ078           R AMT FROM WORKERS COMP - MAX
    LQ080           SP AMOUNT FROM WORKERS COMP LCY
    LQ081           SP AMT FROM WORKERS COMP - MIN
    LQ082           SP AMT FROM WORKERS COMP - MAX
HRS 2010:
    MQ010           R OR SP WORK FOR PAY - LCY
    MQ064           R OR SP INCOME FROM UNEMPLOYMENT - LCY
    MQ065           WHO RECEIVED INC FROM UNEMPLOYMENT LCY
    MQ066           R AMOUNT FROM UNEMPLOYMENT - LCY
    MQ067           R AMT FROM UNEMPLOYMENT- MIN
    MQ068           R AMT FROM UNEMPLOYMENT - MAX
    MQ070           SP AMOUNT FROM UNEMPLOYMENT - LCY
    MQ071           SP AMT FROM UNEMPLOYMENT - MIN
    MQ072           SP AMT FROM UNEMPLOYMENT - MAX
    MQ074           R OR SP INCOME FROM WORKERS COMP - LCY
    MQ075           WHO RECEIVED FROM WORKERS COMP LCY
    MQ076           R AMOUNT FROM WORKERS COMP LCY
    MQ077           R AMT FROM WORKERS COMP - MIN
    MQ078           R AMT FROM WORKERS COMP - MAX
    MQ080           SP AMOUNT FROM WORKERS COMP LCY
    MQ081           SP AMT FROM WORKERS COMP - MIN
    MQ082           SP AMT FROM WORKERS COMP - MAX
HRS 2012:
    NQ010           R OR SP WORK FOR PAY - LCY
    NQ064           R OR SP INCOME FROM UNEMPLOYMENT - LCY
    NQ065           WHO RECEIVED INC FROM UNEMPLOYMENT LCY
    NQ066           R AMOUNT FROM UNEMPLOYMENT - LCY
    NQ067           R AMT FROM UNEMPLOYMENT- MIN
    NQ068           R AMT FROM UNEMPLOYMENT - MAX
    NQ070           SP AMOUNT FROM UNEMPLOYMENT - LCY
    NQ071           SP AMT FROM UNEMPLOYMENT - MIN
    NQ072           SP AMT FROM UNEMPLOYMENT - MAX
    NQ074           R OR SP INCOME FROM WORKERS COMP - LCY
    NQ075           WHO RECEIVED FROM WORKERS COMP LCY
    NQ076           R AMOUNT FROM WORKERS COMP LCY
    NQ077           R AMT FROM WORKERS COMP - MIN
    NQ078           R AMT FROM WORKERS COMP - MAX
    NQ080           SP AMOUNT FROM WORKERS COMP LCY
    NQ081           SP AMT FROM WORKERS COMP - MIN
    NQ082           SP AMT FROM WORKERS COMP - MAX
HRS 2014:
    OQ010           R OR SP WORK FOR PAY - LCY
    OQ064           R OR SP INCOME FROM UNEMPLOYMENT - LCY
    OQ065           WHO RECEIVED INC FROM UNEMPLOYMENT LCY
    OQ066           R AMOUNT FROM UNEMPLOYMENT - LCY
    OQ067           R AMT FROM UNEMPLOYMENT- MIN
    OQ068           R AMT FROM UNEMPLOYMENT - MAX
    OQ070           SP AMOUNT FROM UNEMPLOYMENT - LCY
    OQ071           SP AMT FROM UNEMPLOYMENT - MIN
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    OQ072           SP AMT FROM UNEMPLOYMENT - MAX
    OQ074           R OR SP INCOME FROM WORKERS COMP - LCY
    OQ075           WHO RECEIVED FROM WORKERS COMP LCY
    OQ076           R AMOUNT FROM WORKERS COMP LCY
    OQ077           R AMT FROM WORKERS COMP - MIN
    OQ078           R AMT FROM WORKERS COMP - MAX
    OQ080           SP AMOUNT FROM WORKERS COMP LCY
    OQ081           SP AMT FROM WORKERS COMP - MIN
    OQ082           SP AMT FROM WORKERS COMP - MAX
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    EFINR           1996 WHETHER FINANCIAL RESPONDENT
    FFINR           1998 WHETHER FINANCIAL RESPONDENT
    GFINR           2000 WHETHER FINANCIAL RESPONDENT
    HFINR           2002 WHETHER FINANCIAL RESPONDENT
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
```

Individual income from other government transfers

Wave	Variable	Label	Type
1	R1IGXFR	R1IGXFR:W1 Income:R Other Gov Transfer	Cont
2	R2IGXFR	R2IGXFR:W2 Income:R Other Gov Transfer	Cont
3	R3IGXFR	R3IGXFR:W3 Income:R Other Gov Transfer	Cont
4	R4IGXFR	R4IGXFR:W4 Income:R Other Gov Transfer	Cont
5	R5IGXFR	R5IGXFR:W5 Income:R Other Gov Transfer	Cont
6	R6IGXFR	R6IGXFR:W6 Income:R Other Gov Transfer	Cont
7	R7IGXFR	R7IGXFR:W7 Income:R Other Gov Transfer	Cont
8	R8IGXFR	R8IGXFR:W8 Income:R Other Gov Transfer	Cont
9	R9IGXFR	R9IGXFR:W9 Income:R Other Gov Transfer	Cont
10	R10IGXFR	R10IGXFR:W10 Income:R Other Gov Transfer	Cont
11	R11IGXFR	R11IGXFR:W11 Income:R Other Gov Transfer	Cont
12	R12IGXFR	R12IGXFR:W12 Income:R Other Gov Transfer	Cont
1	S1IGXFR	S1IGXFR:W1 Income:Sp Other Gov Transfer	Cont
2	S2IGXFR	S2IGXFR:W2 Income:Sp Other Gov Transfer	Cont
3	S3IGXFR	S3IGXFR:W3 Income:Sp Other Gov Transfer	Cont
4	S4IGXFR	S4IGXFR:W4 Income:Sp Other Gov Transfer	Cont
5	S5IGXFR	S5IGXFR:W5 Income:Sp Other Gov Transfer	Cont
6	S6IGXFR	S6IGXFR:W6 Income:Sp Other Gov Transfer	Cont
7	S7IGXFR	S7IGXFR:W7 Income:Sp Other Gov Transfer	Cont
8	S8IGXFR	S8IGXFR:W8 Income:Sp Other Gov Transfer	Cont
9	S9IGXFR	S9IGXFR:W9 Income:Sp Other Gov Transfer	Cont
10	S10IGXFR	S10IGXFR:W10 Income:Sp Other Gov Transfer	Cont
11	S11IGXFR	S11IGXFR:W11 Income:Sp Other Gov Transfer	Cont
12	S12IGXFR	S12IGXFR:W12 Income:Sp Other Gov Transfer	Cont
1	R1IFGXFR	R1IFGXFR:W1 ImpFlag:R Other Gov Transfer	Categ
2	R2IFGXFR	R2IFGXFR:W2 ImpFlag:R Other Gov Transfer	Categ
3	R3IFGXFR	R3IFGXFR:W3 ImpFlag:R Other Gov Transfer	Categ
4	R4IFGXFR	R4IFGXFR:W4 ImpFlag:R Other Gov Transfer	Categ
5	R5IFGXFR	R5IFGXFR:W5 ImpFlag:R Other Gov Transfer	Categ
6	R6IFGXFR	R6IFGXFR:W6 ImpFlag:R Other Gov Transfer	Categ
7	R7IFGXFR	R7IFGXFR:W7 ImpFlag:R Other Gov Transfer	Categ
8	R8IFGXFR	R8IFGXFR:W8 ImpFlag:R Other Gov Transfer	Categ
9	R9IFGXFR	R9IFGXFR:W9 ImpFlag:R Other Gov Transfer	Categ
10	R10IFGXFR	R10IFGXFR:W10 ImpFlag:R Other Gov Transfer	Categ
11	R11IFGXFR	R11IFGXFR:W11 ImpFlag:R Other Gov Transfer	Categ
12	R12IFGXFR	R12IFGXFR:W12 ImpFlag:R Other Gov Transfer	Categ
1	S1IFGXFR	S1IFGXFR:W1 ImpFlag:Sp Other Gov Transfer	Categ
2	S2IFGXFR	S2IFGXFR:W2 ImpFlag:Sp Other Gov Transfer	Categ
3	S3IFGXFR	S3IFGXFR:W3 ImpFlag:Sp Other Gov Transfer	Categ
4	S4IFGXFR	S4IFGXFR:W4 ImpFlag:Sp Other Gov Transfer	Categ
5	S5IFGXFR	S5IFGXFR:W5 ImpFlag:Sp Other Gov Transfer	Categ
6	S6IFGXFR	S6IFGXFR:W6 ImpFlag:Sp Other Gov Transfer	Categ
7	S7IFGXFR	S7IFGXFR:W7 ImpFlag:Sp Other Gov Transfer	Categ
8	S8IFGXFR	S8IFGXFR:W8 ImpFlag:Sp Other Gov Transfer	Categ
9	S9IFGXFR	S9IFGXFR:W9 ImpFlag:Sp Other Gov Transfer	Categ
10	S10IFGXFR	S10IFGXFR:W10 ImpFlag:Sp Other Gov Transfer	Categ
11	S11IFGXFR	S11IFGXFR:W11 ImpFlag:Sp Other Gov Transfer	Categ
12	S12IFGXFR	S12IFGXFR:W12 ImpFlag:Sp Other Gov Transfer	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IGXFR	12652	490.29	2667.03	0.0	60000.0
R2IGXFR	19642	278.51	1907.15	0.0	57600.0
R3IGXFR	17991	431.31	2707.80	0.0	99533.0
R4IGXFR	21384	494.97	3115.79	0.0	73750.7

R5IGXFR	19579	514.36	3234.70	0.0	63600.0
R6IGXFR	18165	566.85	3596.87	0.0	99600.0
R7IGXFR	20129	581.66	3601.34	0.0	114588.9
R8IGXFR	18469	695.59	4240.75	0.0	113774.6
R9IGXFR	17217	730.41	4308.85	0.0	98400.0
R10IGXFR	22034	824.34	4677.06	0.0	135230.3
R11IGXFR	20554	877.95	4891.65	0.0	129312.8
R12IGXFR	18748	986.87	5338.82	0.0	180575.5
S1IGXFR	10279	420.61	2683.96	0.0	60000.0
S2IGXFR	13672	238.10	1999.12	0.0	57600.0
S3IGXFR	12333	437.42	3022.41	0.0	99533.0
S4IGXFR	14515	484.69	3344.31	0.0	68541.9
S5IGXFR	13041	500.34	3481.87	0.0	63600.0
S6IGXFR	11859	549.11	3846.41	0.0	99600.0
S7IGXFR	13352	559.15	3873.28	0.0	114588.9
S8IGXFR	12052	679.66	4594.62	0.0	113774.6
S9IGXFR	11012	714.36	4580.03	0.0	78000.0
S10IGXFR	14235	773.36	5000.81	0.0	135230.3
S11IGXFR	13080	822.12	5219.76	0.0	129312.8
S12IGXFR	11625	934.95	5746.57	0.0	180575.5
R1IFGXFR	12652	0.18	0.85	0.0	9.0
R2IFGXFR	19642	0.20	0.84	0.0	9.0
R3IFGXFR	17991	0.18	0.83	0.0	9.0
R4IFGXFR	21384	0.20	0.94	0.0	9.0
R5IFGXFR	19579	0.17	0.83	0.0	9.0
R6IFGXFR	18165	0.13	0.58	0.0	9.0
R7IFGXFR	20129	0.15	0.69	0.0	9.0
R8IFGXFR	18469	0.16	0.65	0.0	9.0
R9IFGXFR	17217	0.17	0.70	0.0	9.0
R10IFGXFR	22034	0.35	1.28	0.0	9.0
R11IFGXFR	20554	0.27	0.92	0.0	9.0
R12IFGXFR	18748	0.30	1.02	0.0	9.0
S1IFGXFR	12652	1.64	3.16	0.0	9.0
S2IFGXFR	19642	2.55	3.67	0.0	9.0
S3IFGXFR	17991	2.62	3.71	0.0	9.0
S4IFGXFR	21384	2.70	3.74	0.0	9.0
S5IFGXFR	19579	2.77	3.76	0.0	9.0
S6IFGXFR	18165	2.85	3.79	0.0	9.0
S7IFGXFR	20129	2.78	3.77	0.0	9.0
S8IFGXFR	18469	2.86	3.79	0.0	9.0
S9IFGXFR	17217	2.98	3.82	0.0	9.0
S10IFGXFR	22034	3.06	3.83	0.0	9.0
S11IFGXFR	20554	3.07	3.81	0.0	9.0
S12IFGXFR	18748	3.21	3.85	0.0	9.0

Categorical Variable Codes

Value	R1IFGXFR	R2IFGXFR	R3IFGXFR	R4IFGXFR	R5IFGXFR	R6IFGXFR	R7IFGXFR
0.No income	11251	17392	16027	19112	17634	16449	18052
1.No imputations	1133	1568	1482	1697	1468	1310	1670
2.Some imputation	173	548	356	368	340	361	318
9.No Fin Resp	95	134	126	207	137	45	89

Value	R8IFGXFR	R9IFGXFR	R10IFGXFR	R11IFGXFR	R12IFGXFR
0.No income	16436	15253	18200	17006	15272
1.No imputations	1642	1544	2818	2802	2678
2.Some imputation	326	345	598	575	599
9.No Fin Resp	65	75	418	171	199

Value	S1IFGXFR	S2IFGXFR	S3IFGXFR	S4IFGXFR	S5IFGXFR	S6IFGXFR	S7IFGXFR
0.No income	9365	12485	11333	13331	12076	11032	12344
1.No imputations	693	742	720	794	705	594	754
2.Some imputation	126	342	194	205	167	197	177
8.No Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6777
9.No Fin Resp	95	103	86	185	93	36	77

Value	S8IFGXFR	S9IFGXFR	S10IFGXFR	S11IFGXFR	S12IFGXFR
0.No income	11085	10065	12222	11280	9932
1.No imputations	763	716	1381	1340	1240
2.Some imputation	152	169	305	317	293
8.No Sp/Part->no incm	6417	6205	7799	7474	7123
9.No Fin Resp	52	62	327	143	160

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

RwIGXFR sums the Respondent's income from veterans' benefits, welfare, and food stamps. RwIFGXFR is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

SwIGXFR sums the spouse's income from veterans' benefits, welfare, and food stamps. SwIFGXFR is a flag that indicates whether any components are imputed.

Veterans' benefits and food stamps are given as monthly amounts (RwMVET, SwMVET, HwMFOOD), which are multiplied by the appropriate number of months (RwNVET, SwNVET, HwNFOOD) to derive the amount received in the last calendar year (RwIVET, SwIVET, HwIFOOD). For veterans' benefits, when we know the income was first received last calendar year, but no month information is available, we assume 6 months. Prior to Wave 10, we assumed 12 months. When neither the year of first receipt nor the months are known, we use 12 months, and a flag is set to "1" (RwNFVET, SwNFVET). For food stamps, when we know the income was received last calendar year, but no month information is available, we assume 6 months, accounting for the fact that this benefit is not necessarily received for an entire year and that households may get off food stamps when their economic circumstances change. Prior to Wave 10, we assumed 12 months, and in Wave 10, we inadvertently used 0 months. When the Respondent reports receiving food stamps sometime since the last interview or in the last two years, but we know neither the year nor the month of receipt, we assume 6 months as well, and a flag is set to "1" (HwNFFOOD). Prior to Wave 11, we assumed 12 months. The assumptions that were used prior to Wave 11 will be updated as necessary in a future data release.

In all waves, veterans' benefits are reported individually and food stamps are reported for the household. In Wave 1, and from Wave 3 forward, welfare is reported for the household, but in Wave 2H it is reported individually. In Wave 2A, it is not reported at all.

Beginning in Version F, we have introduced logic that takes into account who reported receiving welfare income. Specifically, the income is split between the Respondent and spouse if the Respondent is married or partnered and the income is reported jointly. However, income from welfare is not split between the two members of the couple if only one reports receiving it, that is - it is assigned to the appropriate recipient. This logic, as previously stated, does not apply for Wave 2H, since income from welfare is already reported individually. Nor does it pertain to Wave 2A, since there is no direct question about income from welfare. Income from food stamps is always divided equally between the Respondent and spouse. [See Appendix A for a description of how many cases were affected by this change.]

In Wave 1, the questions ask the amount of veterans' benefits and food stamps received in 1991. From Wave 2 forward, a monthly amount is asked. For veterans' benefits the first month received is also asked. Beginning in Wave 2H, the questions about food stamps ask which months they were received since the last interview. The variable derivation checks the months income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

The individual components: RwIVET, R2IVETn, HwIFOOD, R2IWELF, and HwIWELF and their imputation flags are available in the "RAND Income and Wealth Imputation File."

Because of the differences in the way income information was collected for the HRS and AHEAD samples in Wave 2, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For AHEAD entry cohort Respondents, R2IFVET, S2IFVET, R2IFWELF, and S2IFWELF are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort Respondents, R2IFVET1, S2IFVET1, R2IFVET2, and S2IFVET2 are set to .Q to indicate that the corresponding income components are not available in Wave 2H.

Cross Wave Differences in Original HRS Data

The way the income component questions are asked varies across waves.

In all waves, veterans' benefits are reported for Respondent and spouse individually, and food stamps are reported for the household. In Wave 1, and from Wave 3 forward, welfare is reported for the household, but in Wave 2H it can be reported individually or, if both the Respondent and spouse receive it, jointly.

In Wave 1, the questions ask for the annual amount of veterans' benefits and food stamps received in 1991. From Wave 2 forward, the amount of veterans' benefits received last month and the amount of food stamps in the latest month received are asked. For veterans' benefits the first month received is also asked. Beginning in Wave 2H, the questions about food stamps ask which months since last interview they were received. For welfare the question asks for the annual amount in all waves. Beginning in Wave 6, bracket amounts are asked for welfare, food stamps, and transfer income.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly veterans' benefits, a series of unfolding bracket questions are asked. The bracket amounts are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year, rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

The income questions in the Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income." After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (eg, Do you receive veterans' benefits?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then

they are asked:

a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 2 different instances of veterans' benefits. Besides pensions and annuities, other waves allow only one reported amount for most income categories, so that a Respondent would give a total of all veterans' benefits income received.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

In Wave 12, there are 64 Respondents who report receiving food stamps (OQ400 = 1), have missing (.) values for the "year received food stamps" questions (OQW776_1, OQW776_2, OQW776_3, OQW776_4), but do answer the "amount received" questions (OQ406 or OQ410). According to HRS, this is due to a programming oversight, resulting in the OQW776 questions being skipped for Respondents who completed the survey in 2015. We assume that these Respondents received food stamps for 6 months in the last calendar year.

For AHEAD Respondents in Wave 2A, the income components corresponding to imputation flags R2IFVET, S2IFVET, R2IFWELF, and S2IFWELF are not available.

For HRS Respondents in Wave 2H, the income components corresponding to imputation flags R2IFVET1, S2IFVET1, R2IFVET2, and S2IFVET2 are not available.

HRS Variables Used

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HRS 1992:
    V15701          N18:RECV VETERANS BE:IND
    V15702          N18A:WHO RECVD VET B:IND
    V15704          N20:VET BN:R1 REC91I:IND
    V15709          N20:VET BN:R2 REC91I:IND
    V15901          N36:RECV WELFARE IN :IND
    V15903          N37A:B:C AMT RECDIND:IND
    V16211          N51:RCV FOOD STAMPS :IND
    V16212          N51A:FOOD ST/M AMT I:IND
    V5701           N18:RECV VETERANS BE:IMP
    V5702           N18A:WHO RECVD VET B:IMP
    V5704           N20:VET BN:R1$AMT RE:IMP
    V5705           N20:VET BN:R1PAY PER:IMP
    V5709           N23:VET BN:R2$AMT RE:IMP
    V5710           N23:VET BN:R2PAY PER:IMP
    V5901           N36:RECV WELFARE IN :IMP
    V5903           N37A:B:C: AMT RECVD :IMP
    V6211           N51:RCV FOOD STAMPS :IMP
    V6212           N51A:FD STMP:  AMT/M:IMP
    V6213           N51A:FD STMP:PER 2 W:IMP
AHEAD 1993:
    B1430           J13. FS: RECEIVE ANY FOOD STAMPS LAST MO
    B1432           J13a. FS: $ LAST MONTH
    B1442           J14a. FS: START MONTH FOOD STAMPS
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B1443	J14b. FS: START YEAR FOOD STAMPS
B1444	J15. FS: RECEIVE ANY 1992/93
B1450	J16. FS: LAST MONTH RECD 1992/3
B1451	J16a. FS: LAST YEAR RECD 1992/3
B1452	J17. FS: $ LAST MONTH 1992/3
B1456	J19. R REG INC: RECEIVE ANY
B1457	J20-1. R REG INC: TYPE-1
B1458	J21-1. R REG INC: PAID PER MONTH-1
B1459	J21b-1. R REG INC: $ PERIOD-1
B1460	J21c-1. R REG INC: $ LAST PERIOD-1
B1462	J21e-1. R REG INC: START >2YRS AGO-1
B1463	J21f-1. R REG INC: START MONTH-1
B1473	J26-1. R REG INC: ANY OTHER-1
B1475	J20-2. R REG INC: TYPE-2
B1476	J21-2. R REG INC: PAID PER MONTH-2
B1477	J21b-2. R REG INC: $ PERIOD-2
B1478	J21c-2. R REG INC: $ LAST PERIOD-2
B1479	J21d-2. R REG INC: FED INC TAXED-2
B1480	J21e-2. R REG INC: START >2YRS AGO-2
B1481	J21f-2. R REG INC: START MONTH-2
B1482	J21g-2. R REG INC: START YEAR-2
B1491	J26-2. R REG INC: ANY OTHER-2
B1492	J20-3. R REG INC: TYPE-3
B1493	J21-3. R REG INC: PAID PER MONTH-3
B1494	J21b-3. R REG INC: $ PERIOD-3
B1495	J21c-3. R REG INC: $ LAST PERIOD-3
B1496	J21d-3. R REG INC: FED INC TAXED-3
B1497	J21e-3. R REG INC: START >2YRS AGO-3
B1498	J21f-3. R REG INC: START MONTH-3
B1499	J21g-3. R REG INC: START YEAR-3
B1508	J27. R REG INC: ANY END 1992/3
B1509	J27a. R REG INC END1992/3: TYPE
B1510	J28. R REG INC END 1992/3: PAID PER MO
B1511	J28a. R REG INC END 1992/3: $ PERIOD
B1512	J28b.R REG INC END1992/3:$ LAST PERIOD
B1513	J28c. R REG INC END92/3: LAST MO RECD
B1514	J28d. R REG INC END92/3: LAST YR RECD
B1515	J29. SP REG INC: RECEIVE ANY
B1517	J30-1. SP REG INC: TYPE-1
B1518	J31-1. SP REG INC: PAID PER MONTH-1
B1519	J31b-1. SP REG INC: $ PERIOD-1
B1520	J31c-1. SP REG INC: $ LAST PERIOD-1
B1521	J31d-1. SP REG INC: FED INC TAXED-1
B1522	J31e-1. SP REG INC: START >2YRS AGO-1
B1523	J31f-1. SP REG INC: START MONTH-1
B1524	J31g-1. SP REG INC: START YEAR-1
B1533	J36-1. SP REG INC: ANY OTHER-1
B1539	J30-2. SP REG INC: TYPE-2
B1540	J31-2. SP REG INC: PAID PER MONTH-2
B1541	J31b-2. SP REG INC: $ PERIOD-2
B1542	J31c-2. SP REG INC: $ LAST PERIOD-2
B1543	J31d-2. SP REG INC: FED INC TAXED-2
B1544	J31e-2. SP REG INC: START >2YRS AGO-2
B1545	J31f-2. SP REG INC: START MONTH-2
B1546	J31g-2. SP REG INC: START YEAR-2
B1555	J36-2. SP REG INC: ANY OTHER-2
B1560	J30-3. SP REG INC: TYPE-3
B1561	J31-3. SP REG INC: PAID PER MONTH-3
B1562	J31b-3. SP REG INC: $ PERIOD-3

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    B1563           J31c-3. SP REG INC: $ LAST PERIOD-3
    B1564           J31d-3. SP REG INC: FED INC TAXED-3
    B1565           J31e-3. SP REG INC: START >2YRS AGO-3
    B1566           J31f-3. SP REG INC: START MONTH-3
    B1567           J31g-3. SP REG INC: START YEAR-3
    B1576           J37. SP REG INC: ANY END 92/93
    B1577           J37a. SP REG INC END 92/93: TYPE
    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
HRS 1994:
    W16056          N19. Imputation flag
    W16063          N19g. Imputation flag
    W16067          N19m. Imputation flag
    W16282          N26. Imputation flag
    W16283          N27. Imputation flag
    W16284          N27a1. Imputation flag
    W16285          N27b1. Imputation flag
    W6056           N19.VETERANS BENEFITS?
    W6057           N19a.WHO RECD VETERANS B
    W6063           N19g.R-AMT VETERANS BENE
    W6064           N19h.R-MONTH START VETER
    W6065           N19h.R-YEAR START VETERA
    W6067           N19m.SP-AMT VETERANS BEN
    W6068           N19n.SP-MONTH START VETE
    W6069           N19n.SP-YEAR START VETER
    W6282           N26.WELFARE?
    W6283           N27.WHO RECEIVED WELFARE
    W6284           N27a1.R-AMT WELFARE 1993
    W6285           N27b1.SP-AMT WELFARE 199
    W6286           N27c1.BOTH-AMT WELFARE 1
    W6311           N32.GOVT FOOD STAMPS SIN
    W6312           N32a.WHICH MONTHS
    W6313           N32a.START/STOP FOOD STA
    W6314           N32a.START/STOP FOOD STA
    W6327           N32b. Jan 1993
    W6328           N32b. Feb 1993
    W6329           N32b. Mar 1993
    W6330           N32b. Apr 1993
    W6331           N32b. May 1993
    W6332           N32b. Jun 1993
    W6333           N32b. Jul 1993
    W6334           N32b. Aug 1993
    W6335           N32b. Sep 1993
    W6336           N32b. Oct 1993
    W6337           N32b. Nov 1993
    W6338           N32b. Dec 1993
    W6352           N32b. All of 1993
    W6354           N32b. Other
    W6355           N32b. DK
    W6356           N32b. RF
    W6357           N32c.AMT FOOD STAMPS LAS
AHEAD 1995:
    D3927           J12.WHETHER WELFARE 1993
    D3929           J12B.AMT WELFARE LCY
    D3935           J13.VET BENEFITS
    D3936           J13A.VET WHO REC
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    D3937           J13A.R VET BENEFIT OPEN
    D3940           J13D.J13C,DK
    D3941           J13E.J13C,DK-2
    D3942           J13F.J13C,DK-3
    D3950           J13N.SP VET BENEFIT OPEN
    D3953           J13Q.DK-1
    D3954           J13R.J13C,DK-2
    D3955           J13S.J13C,DK-3
    D4587           J65.WHETHER FOOD STAMPS 1994
    D4595           J65E.AMT FOOD STAMPS
    D4597           J65G.AMT FOOD STAMPS LAST MONTH
HRS 1996:
    E4036           J64.R/S WHETHER WELFARE LCY
    E4038           J66.AMT WELFARE LCY
    E4041           J67.VET BENEFITS
    E4042           J68.VET WHO REC
    E4043           J69.R VET BENEFIT LAST MONTH
    E4046B          J69.R VET BENEFIT LAST MONTH/Bkt
    E4051           J70.R VET BENEFIT START YEAR
    E4052           J70A.R VET BENEFIT START MONTH
    E4056           J72.AMT SP VET BEN LAST MO
    E4059B          J72.AMT SP VET BEN LAST MO/Bkt
    E4064           J73.SP VET BENEFIT START YEAR
    E4065           J73A.SP VET BENEFIT START MONTH
    E4588           J255.WHETHER FOOD STAMPS 1994
    E4589           J256.WHICH MONTHS
    E4590           J257.MONTH
    E4591           J258.YEAR
    E4593M16        J259.SPECIFIC MONTH  - JAN 95
    E4593M17        J259.SPECIFIC MONTH  - FEB 95
    E4593M18        J259.SPECIFIC MONTH  - MAR 95
    E4593M19        J259.SPECIFIC MONTH  - APR 95
    E4593M20        J259.SPECIFIC MONTH  - MAY 95
    E4593M21        J259.SPECIFIC MONTH  - JUN 95
    E4593M22        J259.SPECIFIC MONTH  - JUL 95
    E4593M23        J259.SPECIFIC MONTH  - AUG 95
    E4593M24        J259.SPECIFIC MONTH  - SEP 95
    E4593M25        J259.SPECIFIC MONTH  - OCT 95
    E4593M26        J259.SPECIFIC MONTH  - NOV 95
    E4593M27        J259.SPECIFIC MONTH  - DEC 95
    E4593M28        J259.SPECIFIC MONTH  - JAN 96
    E4593M29        J259.SPECIFIC MONTH  - FEB 96
    E4593M30        J259.SPECIFIC MONTH  - MAR 96
    E4593M31        J259.SPECIFIC MONTH  - APR 96
    E4593M32        J259.SPECIFIC MONTH  - MAY 96
    E4593M33        J259.SPECIFIC MONTH  - JUN 96
    E4593M34        J259.SPECIFIC MONTH  - JUL 96
    E4596           J260.AMT FOOD STAMPS
    E4598           J262.AMT FOOD STAMPS LAST MONTH
HRS 1998:
    F4796           J64.R/S WHETHER WELFARE LCY
    F4798           J66.AMT WELFARE LCY
    F4801           J67.VET BENEFITS
    F4802           J68.VET WHO REC
    F4803           J69.R VET BENEFIT LAST MONTH
    F4806           J69A.DK-1K
    F4807           J69B.DK-1500
    F4808           J69C.DK-500
    F4811           J70.R VET BENEFIT START YEAR
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    F4812           J70A.R VET BENEFIT START MONTH
    F4816           J72.AMT SP VET BEN LAST MO
    F4819           J72A.DK-1K
    F4820           J72B.DK-1,500
    F4821           J72C.DK-500
    F4824           J73.SP VET BENEFIT START YEAR
    F4825           J73A.SP VET BENEFIT START MONTH
    F5348           J255.WHETHER FOOD STAMPS 1996
    F5349           J256.WHICH MONTHS
    F5350           J257.MONTH
    F5351           J258.YEAR
    F5353M1         J259.SPECIFIC MONTHS
    F5353M10        J259.SPECIFIC MONTHS
    F5353M2         J259.SPECIFIC MONTHS
    F5353M3         J259.SPECIFIC MONTHS
    F5353M4         J259.SPECIFIC MONTHS
    F5353M5         J259.SPECIFIC MONTHS
    F5353M6         J259.SPECIFIC MONTHS
    F5353M7         J259.SPECIFIC MONTHS
    F5353M8         J259.SPECIFIC MONTHS
    F5353M9         J259.SPECIFIC MONTHS
    F5356           J260.AMT FOOD STAMPS
    F5358           J262.AMT FOOD STAMPS LAST MONTH
HRS 2000:
    G5239           J64.R/S WHETHER WELFARE LCY
    G5241           J66.AMT WELFARE LCY
    G5244           J67.VET BENEFITS
    G5247           J68.VET WHO REC
    G5248           J69.R VET BENEFIT LAST MONTH
    G5251           J69A.DK-1K
    G5252           J69B.DK-1500
    G5253           J69C.DK-500
    G5256           J70.R VET BENEFIT START YEAR
    G5257           J70A.R VET BENEFIT START MONTH
    G5261           J72.AMT SP VET BEN LAST MO
    G5264           J72A.DK-1K
    G5265           J72B.DK-1500
    G5266           J72C.DK-500
    G5269           J73.SP VET BENEFIT START YEAR
    G5270           J73A.SP VET BENEFIT START MONTH
    G5735           J255. FOOD STAMPS SINCE LAST IW
    G5736           J256.WHICH MONTHS
    G5737           J257.MONTH
    G5738           J258.YEAR
    G5740M1         J259.SPECIFIC MONTHS
    G5740M10        J259.SPECIFIC MONTHS
    G5740M2         J259.SPECIFIC MONTHS
    G5740M3         J259.SPECIFIC MONTHS
    G5740M4         J259.SPECIFIC MONTHS
    G5740M5         J259.SPECIFIC MONTHS
    G5740M6         J259.SPECIFIC MONTHS
    G5740M7         J259.SPECIFIC MONTHS
    G5740M8         J259.SPECIFIC MONTHS
    G5740M9         J259.SPECIFIC MONTHS
    G5743           J260.AMT FOOD STAMPS
    G5745           J262.AMT FOOD STAMPS LAST MONTH
HRS 2002:
    HQ113           R OR SP INCOME FR WELFARE NOT SSI - LCY
    HQ115           AMOUNT FROM WELFARE LCY
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    HQ119           R OR SP INC FR VETERAN BEN MILITARY PENS
    HQ120           WHO RECEIVES VET BEN MILITARY PENSION
    HQ121           R AMT FR VETERAN BENEFITS - LAST MONTH
    HQ122           R AMT FR VETERAN BENEFITS - MIN
    HQ123           R AMT FR VETERAN BENEFITS - MAX
    HQ124           R AMT FR VETERAN BENEFITS - RESULT
    HQ125           R YEAR STARTED VETERAN BENEFITS
    HQ126           R MONTH STARTED VETERAN BENEFITS
    HQ127           SP AMT FR VETERAN BENEFITS - LAST MONTH
    HQ128           SP AMT FR VETERAN BENEFITS - MIN
    HQ129           SP AMT FR VETERAN BENEFITS - MAX
    HQ130           SP AMT VETERAN BENEFITS - RESULT
    HQ131           SP YEAR STARTED VETERAN BENEFITS
    HQ132           SP MONTH STARTED VETERAN  BENEFITS
    HQ400           HH FOOD STAMPS SINCE LAST IW
    HQ401           WHICH MONTHS HH FOOD STAMPS
    HQ402           MONTH HH STARTED RECEIVING FOOD STAMPS
    HQ403           YEAR HH STARTED RECEIVING FOOD STAMPS
    HQ404M01        SPECIFIC MONTH -1
    HQ404M02        SPECIFIC MONTH -2
    HQ404M03        SPECIFIC MONTH -3
    HQ404M04        SPECIFIC MONTH -4
    HQ404M05        SPECIFIC MONTH -5
    HQ404M06        SPECIFIC MONTH -6
    HQ404M07        SPECIFIC MONTH -7
    HQ404M08        SPECIFIC MONTH -8
    HQ404M09        SPECIFIC MONTH -9
    HQ404M10        SPECIFIC MONTH -10
    HQ404M11        SPECIFIC MONTH -11
    HQ404M12        SPECIFIC MONTH -12
    HQ404M13        SPECIFIC MONTH -13
    HQ404M14        SPECIFIC MONTH -14
    HQ404M15        SPECIFIC MONTH -15
    HQ404M16        SPECIFIC MONTH -16
    HQ404M17        SPECIFIC MONTH -17
    HQ404M18        SPECIFIC MONTH -18
    HQ404M19        SPECIFIC MONTH -19
    HQ404M20        SPECIFIC MONTH -20
    HQ404M21        SPECIFIC MONTH -21
    HQ404M22        SPECIFIC MONTH -22
    HQ404M23        SPECIFIC MONTH -23
    HQ404M24        SPECIFIC MONTH -24
    HQ404M25        SPECIFIC MONTH -25
    HQ404M26        SPECIFIC MONTH -26
    HQ406           AMT FOOD STAMPS HH RECD - LAST MONTH
    HQ410           AMT FOOD STAMPS HH CURR REC - LAST MONTH
HRS 2004:
    JQ113           R OR SP INCOME FR WELFARE NOT SSI - LCY
    JQ115           AMOUNT FROM WELFARE LCY
    JQ119           R OR SP INC FR VETERAN BEN MILITARY PENS
    JQ120           WHO RECEIVES VET BEN MILITARY PENSION
    JQ121           R AMT FR VETERAN BENEFITS - LAST MONTH
    JQ122           R AMT FR VETERAN BENEFITS - MIN
    JQ123           R AMT FR VETERAN BENEFITS - MAX
    JQ124           R AMT FR VETERAN BENEFITS - RESULT
    JQ125           R YEAR STARTED VETERAN BENEFITS
    JQ126           R MONTH STARTED VETERAN BENEFITS
    JQ127           SP AMT FR VETERAN BENEFITS - LAST MONTH
    JQ128           SP AMT FR VETERAN BENEFITS - MIN
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    JQ129           SP AMT FR VETERAN BENEFITS - MAX
    JQ130           SP AMT VETERAN BENEFITS - RESULT
    JQ131           SP YEAR STARTED VETERAN BENEFITS
    JQ132           SP MONTH STARTED VETERAN  BENEFITS
    JQ400           HH FOOD STAMPS SINCE LAST IW
    JQ401           WHICH MONTHS HH FOOD STAMPS
    JQ402           MONTH HH STARTED RECEIVING FOOD STAMPS
    JQ403           YEAR HH STARTED RECEIVING FOOD STAMPS
    JQ404M1         FOOD STAMPS-MONTH -1
    JQ404M10        FOOD STAMPS-MONTH -10
    JQ404M11        FOOD STAMPS-MONTH -11
    JQ404M12        FOOD STAMPS-MONTH -12
    JQ404M13        FOOD STAMPS-MONTH -13
    JQ404M14        FOOD STAMPS-MONTH -14
    JQ404M15        FOOD STAMPS-MONTH -15
    JQ404M16        FOOD STAMPS-MONTH -16
    JQ404M17        FOOD STAMPS-MONTH -17
    JQ404M18        FOOD STAMPS-MONTH -18
    JQ404M19        FOOD STAMPS-MONTH -19
    JQ404M2         FOOD STAMPS-MONTH -2
    JQ404M20        FOOD STAMPS-MONTH -20
    JQ404M21        FOOD STAMPS-MONTH -21
    JQ404M22        FOOD STAMPS-MONTH -22
    JQ404M23        FOOD STAMPS-MONTH -23
    JQ404M24        FOOD STAMPS-MONTH -24
    JQ404M25        FOOD STAMPS-MONTH -25
    JQ404M26        FOOD STAMPS-MONTH -26
    JQ404M27        FOOD STAMPS-MONTH -27
    JQ404M28        FOOD STAMPS-MONTH -28
    JQ404M29        FOOD STAMPS-MONTH -29
    JQ404M3         FOOD STAMPS-MONTH -3
    JQ404M30        FOOD STAMPS-MONTH -30
    JQ404M31        FOOD STAMPS-MONTH -31
    JQ404M32        FOOD STAMPS-MONTH -32
    JQ404M4         FOOD STAMPS-MONTH -4
    JQ404M5         FOOD STAMPS-MONTH -5
    JQ404M6         FOOD STAMPS-MONTH -6
    JQ404M7         FOOD STAMPS-MONTH -7
    JQ404M8         FOOD STAMPS-MONTH -8
    JQ404M9         FOOD STAMPS-MONTH -9
    JQ406           AMT FOOD STAMPS HH RECD - LAST MONTH
    JQ410           AMT FOOD STAMPS HH CURR REC - LAST MONTH
HRS 2006:
    KQ113           R OR SP INCOME FR WELFARE NOT SSI - LCY
    KQ115           AMOUNT FROM WELFARE LCY
    KQ119           R OR SP INC FR VETERAN BEN MILITARY PENS
    KQ120           WHO RECEIVES VET BEN MILITARY PENSION
    KQ121           R AMT FR VETERAN BENEFITS - LAST MONTH
    KQ122           R AMT FR VETERAN BENEFITS - MIN
    KQ123           R AMT FR VETERAN BENEFITS - MAX
    KQ124           R AMT FR VETERAN BENEFITS - RESULT
    KQ125           R YEAR STARTED VETERAN BENEFITS
    KQ126           R MONTH STARTED VETERAN BENEFITS
    KQ127           SP AMT FR VETERAN BENEFITS - LAST MONTH
    KQ128           SP AMT FR VETERAN BENEFITS - MIN
    KQ129           SP AMT FR VETERAN BENEFITS - MAX
    KQ130           SP AMT VETERAN BENEFITS - RESULT
    KQ131           SP YEAR STARTED VETERAN BENEFITS
    KQ132           SP MONTH STARTED VETERAN  BENEFITS
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    KQ400           HH FOOD STAMPS SINCE LAST IW
    KQ401           WHICH MONTHS HH FOOD STAMPS
    KQ402           MONTH HH STARTED RECEIVING FOOD STAMPS
    KQ403           YEAR HH STARTED RECEIVING FOOD STAMPS
    KQ404M1         FOOD STAMPS-MONTH -1
    KQ404M10        FOOD STAMPS-MONTH -10
    KQ404M11        FOOD STAMPS-MONTH -11
    KQ404M12        FOOD STAMPS-MONTH -12
    KQ404M13        FOOD STAMPS-MONTH -13
    KQ404M14        FOOD STAMPS-MONTH -14
    KQ404M15        FOOD STAMPS-MONTH -15
    KQ404M16        FOOD STAMPS-MONTH -16
    KQ404M17        FOOD STAMPS-MONTH -17
    KQ404M18        FOOD STAMPS-MONTH -18
    KQ404M19        FOOD STAMPS-MONTH -19
    KQ404M2         FOOD STAMPS-MONTH -2
    KQ404M20        FOOD STAMPS-MONTH -20
    KQ404M21        FOOD STAMPS-MONTH -21
    KQ404M22        FOOD STAMPS-MONTH -22
    KQ404M3         FOOD STAMPS-MONTH -3
    KQ404M4         FOOD STAMPS-MONTH -4
    KQ404M5         FOOD STAMPS-MONTH -5
    KQ404M6         FOOD STAMPS-MONTH -6
    KQ404M7         FOOD STAMPS-MONTH -7
    KQ404M8         FOOD STAMPS-MONTH -8
    KQ404M9         FOOD STAMPS-MONTH -9
    KQ406           AMT FOOD STAMPS HH RECD - LAST MONTH
    KQ410           AMT FOOD STAMPS HH CURR REC - LAST MONTH
HRS 2008:
    LQ113           R OR SP INCOME FR WELFARE NOT SSI - LCY
    LQ115           AMOUNT FROM WELFARE LCY
    LQ119           R OR SP INC FR VETERAN BEN MILITARY PENS
    LQ120           WHO RECEIVES VET BEN MILITARY PENSION
    LQ121           R AMT FR VETERAN BENEFITS - LAST MONTH
    LQ122           R AMT FR VETERAN BENEFITS - MIN
    LQ123           R AMT FR VETERAN BENEFITS - MAX
    LQ124           R AMT FR VETERAN BENEFITS - RESULT
    LQ125           R YEAR STARTED VETERAN BENEFITS
    LQ126           R MONTH STARTED VETERAN BENEFITS
    LQ127           SP AMT FR VETERAN BENEFITS - LAST MONTH
    LQ128           SP AMT FR VETERAN BENEFITS - MIN
    LQ129           SP AMT FR VETERAN BENEFITS - MAX
    LQ130           SP AMT VETERAN BENEFITS - RESULT
    LQ131           SP YEAR STARTED VETERAN BENEFITS
    LQ132           SP MONTH STARTED VETERAN  BENEFITS
    LQ400           HH FOOD STAMPS SINCE LAST IW
    LQ401           WHICH MONTHS HH FOOD STAMPS
    LQ402           MONTH HH STARTED RECEIVING FOOD STAMPS
    LQ403           YEAR HH STARTED RECEIVING FOOD STAMPS
    LQ404M1         FOOD STAMPS-MONTH -1
    LQ404M10        FOOD STAMPS-MONTH -10
    LQ404M11        FOOD STAMPS-MONTH -11
    LQ404M12        FOOD STAMPS-MONTH -12
    LQ404M13        FOOD STAMPS-MONTH -13
    LQ404M14        FOOD STAMPS-MONTH -14
    LQ404M15        FOOD STAMPS-MONTH -15
    LQ404M16        FOOD STAMPS-MONTH -16
    LQ404M17        FOOD STAMPS-MONTH -17
    LQ404M18        FOOD STAMPS-MONTH -18
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    LQ404M19        FOOD STAMPS-MONTH -19
    LQ404M2         FOOD STAMPS-MONTH -2
    LQ404M20        FOOD STAMPS-MONTH -20
    LQ404M21        FOOD STAMPS-MONTH -21
    LQ404M3         FOOD STAMPS-MONTH -3
    LQ404M4         FOOD STAMPS-MONTH -4
    LQ404M5         FOOD STAMPS-MONTH -5
    LQ404M6         FOOD STAMPS-MONTH -6
    LQ404M7         FOOD STAMPS-MONTH -7
    LQ404M8         FOOD STAMPS-MONTH -8
    LQ406           AMT FOOD STAMPS HH RECD - LAST MONTH
    LQ410           AMT FOOD STAMPS HH CURR REC - LAST MONTH
HRS 2010:
    MQ113           R OR SP INCOME FR WELFARE NOT SSI - LCY
    MQ115           AMOUNT FROM WELFARE LCY
    MQ119           R OR SP INC FR VETERAN BEN MILITARY PENS
    MQ120           WHO RECEIVES VET BEN MILITARY PENSION
    MQ121           R AMT FR VETERAN BENEFITS - LAST MONTH
    MQ122           R AMT FR VETERAN BENEFITS - MIN
    MQ123           R AMT FR VETERAN BENEFITS - MAX
    MQ124           R AMT FR VETERAN BENEFITS - RESULT
    MQ125           R YEAR STARTED VETERAN BENEFITS
    MQ126           R MONTH STARTED VETERAN BENEFITS
    MQ127           SP AMT FR VETERAN BENEFITS - LAST MONTH
    MQ128           SP AMT FR VETERAN BENEFITS - MIN
    MQ129           SP AMT FR VETERAN BENEFITS - MAX
    MQ130           SP AMT VETERAN BENEFITS - RESULT
    MQ131           SP YEAR STARTED VETERAN BENEFITS
    MQ132           SP MONTH STARTED VETERAN  BENEFITS
    MQ400           HH FOOD STAMPS SINCE LAST IW
    MQ406           AMT FOOD STAMPS HH RECD - LAST MONTH
    MQ410           AMT FOOD STAMPS HH CURR REC - LAST MONTH
    MQW776_1        YEAR RECIEVED FOOD STAMPS - 1
    MQW776_2        YEAR RECIEVED FOOD STAMPS - 2
    MQW776_3        YEAR RECIEVED FOOD STAMPS - 3
    MQW776_4        YEAR RECIEVED FOOD STAMPS - 4
    MQW777_1        ANY MONTHS RECIEVED FOOD STAMPS - 1
    MQW777_2        ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW777_3        ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW777_4        ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_1M1      ANY MONTHS RECIEVED FOOD STAMPS - 1
    MQW778_1M2      ANY MONTHS RECIEVED FOOD STAMPS - 1
    MQW778_1M3      ANY MONTHS RECIEVED FOOD STAMPS - 1
    MQW778_1M4      ANY MONTHS RECIEVED FOOD STAMPS - 1
    MQW778_1M5      ANY MONTHS RECIEVED FOOD STAMPS - 1
    MQW778_1M6      ANY MONTHS RECIEVED FOOD STAMPS - 1
    MQW778_2M1      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M10     ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M11     ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M12     ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M2      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M3      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M4      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M5      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M6      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M7      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M8      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_2M9      ANY MONTHS RECIEVED FOOD STAMPS - 2
    MQW778_3M1      ANY MONTHS RECIEVED FOOD STAMPS - 3
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    MQW778_3M10     ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M11     ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M12     ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M2      ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M3      ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M4      ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M5      ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M6      ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M7      ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M8      ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_3M9      ANY MONTHS RECIEVED FOOD STAMPS - 3
    MQW778_4M1      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M10     ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M11     ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M12     ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M2      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M3      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M4      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M5      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M6      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M7      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M8      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW778_4M9      ANY MONTHS RECIEVED FOOD STAMPS - 4
    MQW786          PRIOR MONTHS
HRS 2012:
    NQ113           R OR SP INCOME FR WELFARE NOT SSI - LCY
    NQ115           AMOUNT FROM WELFARE LCY
    NQ119           R OR SP INC FR VETERAN BEN MILITARY PENS
    NQ120           WHO RECEIVES VET BEN MILITARY PENSION
    NQ121           R AMT FR VETERAN BENEFITS - LAST MONTH
    NQ122           R AMT FR VETERAN BENEFITS - MIN
    NQ123           R AMT FR VETERAN BENEFITS - MAX
    NQ124           R AMT FR VETERAN BENEFITS - RESULT
    NQ125           R YEAR STARTED VETERAN BENEFITS
    NQ126           R MONTH STARTED VETERAN BENEFITS
    NQ127           SP AMT FR VETERAN BENEFITS - LAST MONTH
    NQ128           SP AMT FR VETERAN BENEFITS - MIN
    NQ129           SP AMT FR VETERAN BENEFITS - MAX
    NQ130           SP AMT VETERAN BENEFITS - RESULT
    NQ131           SP YEAR STARTED VETERAN BENEFITS
    NQ132           SP MONTH STARTED VETERAN  BENEFITS
    NQ400           HH FOOD STAMPS SINCE LAST IW
    NQ406           AMT FOOD STAMPS HH RECD - LAST MONTH
    NQ410           AMT FOOD STAMPS HH CURR REC - LAST MONTH
    NQW776_1        YEAR RECIEVED FOOD STAMPS - 1
    NQW776_2        YEAR RECIEVED FOOD STAMPS - 2
    NQW776_3        YEAR RECIEVED FOOD STAMPS - 3
    NQW776_4        YEAR RECIEVED FOOD STAMPS - 4
    NQW777_1        ANY MONTHS RECIEVED FOOD STAMPS - 1
    NQW777_2        ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW777_3        ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW777_4        ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_1M1      ANY MONTHS RECIEVED FOOD STAMPS - 1
    NQW778_1M2      ANY MONTHS RECIEVED FOOD STAMPS - 1
    NQW778_1M3      ANY MONTHS RECIEVED FOOD STAMPS - 1
    NQW778_1M4      ANY MONTHS RECIEVED FOOD STAMPS - 1
    NQW778_1M5      ANY MONTHS RECIEVED FOOD STAMPS - 1
    NQW778_2M1      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M10     ANY MONTHS RECIEVED FOOD STAMPS - 2
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    NQW778_2M11     ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M12     ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M2      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M3      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M4      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M5      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M6      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M7      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M8      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_2M9      ANY MONTHS RECIEVED FOOD STAMPS - 2
    NQW778_3M1      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M10     ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M11     ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M12     ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M2      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M3      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M4      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M5      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M6      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M7      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M8      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_3M9      ANY MONTHS RECIEVED FOOD STAMPS - 3
    NQW778_4M1      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M10     ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M11     ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M12     ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M2      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M3      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M4      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M5      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M6      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M7      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M8      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW778_4M9      ANY MONTHS RECIEVED FOOD STAMPS - 4
    NQW786          PRIOR MONTHS
HRS 2014:
    OQ113           R OR SP INCOME FR WELFARE NOT SSI - LCY
    OQ115           AMOUNT FROM WELFARE LCY
    OQ119           R OR SP INC FR VETERAN BEN MILITARY PENS
    OQ120           WHO RECEIVES VET BEN MILITARY PENSION
    OQ121           R AMT FR VETERAN BENEFITS - LAST MONTH
    OQ122           R AMT FR VETERAN BENEFITS - MIN
    OQ123           R AMT FR VETERAN BENEFITS - MAX
    OQ124           R AMT FR VETERAN BENEFITS - RESULT
    OQ125           R YEAR STARTED VETERAN BENEFITS
    OQ126           R MONTH STARTED VETERAN BENEFITS
    OQ127           SP AMT FR VETERAN BENEFITS - LAST MONTH
    OQ128           SP AMT FR VETERAN BENEFITS - MIN
    OQ129           SP AMT FR VETERAN BENEFITS - MAX
    OQ130           SP AMT VETERAN BENEFITS - RESULT
    OQ131           SP YEAR STARTED VETERAN BENEFITS
    OQ132           SP MONTH STARTED VETERAN  BENEFITS
    OQ400           HH FOOD STAMPS SINCE LAST IW
    OQ406           AMT FOOD STAMPS HH RECD - LAST MONTH
    OQ410           AMT FOOD STAMPS HH CURR REC - LAST MONTH
    OQW776_1        YEAR RECIEVED FOOD STAMPS - 1
    OQW776_2        YEAR RECIEVED FOOD STAMPS - 2
    OQW776_3        YEAR RECIEVED FOOD STAMPS - 3
    OQW776_4        YEAR RECIEVED FOOD STAMPS - 4
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    OQW777_1        ANY MONTHS RECIEVED FOOD STAMPS - 1
    OQW777_2        ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW777_3        ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW777_4        ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_1M1      ANY MONTHS RECIEVED FOOD STAMPS - 1
    OQW778_1M2      ANY MONTHS RECIEVED FOOD STAMPS - 1
    OQW778_1M3      ANY MONTHS RECIEVED FOOD STAMPS - 1
    OQW778_1M4      ANY MONTHS RECIEVED FOOD STAMPS - 1
    OQW778_1M5      ANY MONTHS RECIEVED FOOD STAMPS - 1
    OQW778_2M1      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M10     ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M11     ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M12     ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M2      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M3      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M4      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M5      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M6      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M7      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M8      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_2M9      ANY MONTHS RECIEVED FOOD STAMPS - 2
    OQW778_3M1      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M10     ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M11     ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M12     ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M2      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M3      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M4      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M5      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M6      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M7      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M8      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_3M9      ANY MONTHS RECIEVED FOOD STAMPS - 3
    OQW778_4M1      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M10     ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M11     ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M12     ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M2      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M3      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M4      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M5      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M6      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M7      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M8      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW778_4M9      ANY MONTHS RECIEVED FOOD STAMPS - 4
    OQW786          PRIOR MONTHS
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    EFINR           1996 WHETHER FINANCIAL RESPONDENT
    FFINR           1998 WHETHER FINANCIAL RESPONDENT
    GFINR           2000 WHETHER FINANCIAL RESPONDENT
    HFINR           2002 WHETHER FINANCIAL RESPONDENT
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
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NFINR           2012 WHETHER FINANCIAL RESPONDENT
OFINR           2014 WHETHER FINANCIAL RESPONDENT
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All other household income

Wave	Variable	Label	Type
1	H1IOTHR	H1IOTHR:W1 Income:Other Household	Cont
2	H2IOTHR	H2IOTHR:W2 Income:Other Household	Cont
3	H3IOTHR	H3IOTHR:W3 Income:Other Household	Cont
4	H4IOTHR	H4IOTHR:W4 Income:Other Household	Cont
5	H5IOTHR	H5IOTHR:W5 Income:Other Household	Cont
6	H6IOTHR	H6IOTHR:W6 Income:Other Household	Cont
7	H7IOTHR	H7IOTHR:W7 Income:Other Household	Cont
8	H8IOTHR	H8IOTHR:W8 Income:Other Household	Cont
9	H9IOTHR	H9IOTHR:W9 Income:Other Household	Cont
10	H10IOTHR	H10IOTHR:W10 Income:Other Household	Cont
11	H11IOTHR	H11IOTHR:W11 Income:Other Household	Cont
12	H12IOTHR	H12IOTHR:W12 Income:Other Household	Cont
1	H1IFOTHR	H1IFOTHR:W1 ImpFlag:Other Household Inc	Categ
2	H2IFOTHR	H2IFOTHR:W2 ImpFlag:Other Household Inc	Categ
3	H3IFOTHR	H3IFOTHR:W3 ImpFlag:Other Household Inc	Categ
4	H4IFOTHR	H4IFOTHR:W4 ImpFlag:Other Household Inc	Categ
5	H5IFOTHR	H5IFOTHR:W5 ImpFlag:Other Household Inc	Categ
6	H6IFOTHR	H6IFOTHR:W6 ImpFlag:Other Household Inc	Categ
7	H7IFOTHR	H7IFOTHR:W7 ImpFlag:Other Household Inc	Categ
8	H8IFOTHR	H8IFOTHR:W8 ImpFlag:Other Household Inc	Categ
9	H9IFOTHR	H9IFOTHR:W9 ImpFlag:Other Household Inc	Categ
10	H10IFOTHR	H10IFOTHR:W10 ImpFlag:Other Household Inc	Categ
11	H11IFOTHR	H11IFOTHR:W11 ImpFlag:Other Household Inc	Categ
12	H12IFOTHR	H12IFOTHR:W12 ImpFlag:Other Household Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1IOTHR	12652	2029.28	17313.98	0.0	950000.0
H2IOTHR	19642	1917.56	17636.55	0.0	1035000.0
H3IOTHR	17991	1294.16	11487.86	0.0	386134.3
H4IOTHR	21384	2059.52	21109.05	0.0	1000000.0
H5IOTHR	19579	3157.84	56483.96	0.0	5000000.0
H6IOTHR	18165	2101.41	24749.68	0.0	1200000.0
H7IOTHR	20129	2808.54	28507.47	0.0	1000000.0
H8IOTHR	18469	3316.71	59034.26	0.0	5024500.0
H9IOTHR	17217	2498.38	44277.60	0.0	5150000.0
H10IOTHR	22034	2559.08	31678.30	0.0	2000000.0
H11IOTHR	20554	2227.05	23959.99	0.0	1300000.0
H12IOTHR	18748	2651.23	28071.11	0.0	1130000.0
H1IFOTHR	12652	0.19	0.86	0.0	9.0
H2IFOTHR	19642	0.21	0.85	0.0	9.0
H3IFOTHR	17991	0.16	0.82	0.0	9.0
H4IFOTHR	21384	0.21	0.96	0.0	9.0
H5IFOTHR	19579	0.17	0.83	0.0	9.0
H6IFOTHR	18165	0.12	0.57	0.0	9.0
H7IFOTHR	20129	0.15	0.71	0.0	9.0
H8IFOTHR	18469	0.13	0.64	0.0	9.0
H9IFOTHR	17217	0.14	0.69	0.0	9.0
H10IFOTHR	22034	0.28	1.27	0.0	9.0
H11IFOTHR	20554	0.17	0.88	0.0	9.0
H12IFOTHR	18748	0.20	0.99	0.0	9.0

Categorical Variable Codes

Value	H1IFOTHR	H2IFOTHR	H3IFOTHR	H4IFOTHR	H5IFOTHR	H6IFOTHR	H7IFOTHR
0.No income	11232	17254	16378	19207	17710	16718	18313
1.No imputations	1093	1593	1203	1409	1369	1023	1208
2.Some imputation	232	661	284	561	363	379	519
9.No Fin Resp	95	134	126	207	137	45	89

Value	H8IFOTHR	H9IFOTHR	H10IFOTHR	H11IFOTHR	H12IFOTHR
0.No income	16918	15811	19783	18913	17052
1.No imputations	1106	963	1225	1063	1044
2.Some imputation	380	368	608	407	453
9.No Fin Resp	65	75	418	171	199

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

HwIOTHR sums alimony, other income, and lump sums from insurance, pension, and inheritance. HwIFOTHR is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

In Wave 1, lump sum income from pensions, insurance, and inheritance are available. Beginning in Wave 2, the questions about lump sum income are generic, but the type and the year in which the lump sum was received are also asked. Only amounts reported as being received from insurance, pension, and inheritance in the last calendar year are included here.

In Waves 1 and 2A, income from friends and family are reported. In later waves, income from friends and family is

specifically excluded in question wording about other income. For consistency, income from friends and family are NOT included in this income measure.

From Wave 7 forward, income from alimony (or child support payments) was not asked about. Therefore, this type of income is not included amongst the components that are used to derive other household income.

The individual components: HwIALMNY, HwILUYRn, HwIOTHIn and their imputation flags are available in "RAND Income and Wealth Imputation File."

Because of the differences in the way income information was collected for the HRS and AHEAD samples in wave 2, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For AHEAD entry cohort Respondents, H2IFOTHI1 and H2IFOTHI2 are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort Respondents, R2IFOTH1, R2IFOTH2, R2IFOTH3, S2IFOTH1, S2IFOTH2, and, S2IFOTH3 are set to .Q to indicate that the corresponding income components are not available in Wave 2H.

Cross Wave Differences in Original HRS Data

The way that some of the income component questions are asked may vary across waves. The questions about lump sum income and other household income change across waves, while the questions on alimony remain the same across waves through Wave 6. Beginning in Wave 7 forward, the question about alimony is not asked.

In Wave 1, questions in the income section ask three separate questions, one for each type of lump sum:

"Did you [or your (husband/wife/partner)] receive a lump sum of money in 1991 from [pensions, insurance, inheritance]?"

In Wave 2, the lump sum income questions are asked in the assets section of the questionnaire:

"People sometimes receive property or lump sum payments of money from such things as pension settlements, insurance settlements, cashing in annuities, or inheritances. In the past two years did you [or your (husband/wife/partner)] receive a lump sum of money or property worth $500 or more that you have not already told me about? Do not include loans or gifts."

The Wave 3 question wording is similar to that in Wave 2H. Instead of "the past two years," the wording is "since [previous interview month]" if the Respondent has a previous interview. Also the words "worth $500" are dropped.

Beginning in Wave 4, the question wording is:

"People sometimes receive large amounts of property or money in the form of an inheritance, a trust fund, an insurance settlement, and so on. Have you [or your spouse/partner] [ever/since last interview] received money or property in the form of an inheritance, a trust fund, or an insurance settlement?"

Note that the word "large" is included and the reference period is "ever" if this is the Respondent's first interview. A note to the interviewer indicates that "large" means $10,000 or more.

From Wave 2 forward, the type of payment and month received are asked and questions about any other lump sum, one or two more times. The amount question asks about the largest or next largest lump sum. Thus the amounts of the three largest lump sums are available.

Other household income is derived from questions about any other income not asked about specifically. In Waves 1 and 2A, there is also a question about income from friends and family. In later waves, income from friends and family is

specifically excluded in question wording about other income.

The question wording for other income varies across waves. In Wave 1, the question asks:

"Any other income from sources other than Social Security, which I'll ask about next?"

In Wave 2H, two questions ask about other income:

(Other than income you have already told me about, did you [and your (husband/wife/partner)] receive any other income in 1993, for example, from private disability insurance payments, consulting fees, odd jobs, and so forth? [DO NOT INCLUDE FINANCIAL SUPPORT FROM RELATIVES OR FRIENDS.]

"Are there any others?"

In Wave 3H forward, only one question about other income is asked and the wording is similar to that in the first question in Wave 2H, except that "rent from your home or second home" is added to the list of examples. In Wave 3A, the question wording is also similar to that in the first question in Wave 2H, except that "consulting fees" is removed from the list of examples. Beginning in Wave 4, the question that actually asks for the amount received adds the words "before taxes and other deductions."

No unfolding bracket questions are asked for alimony and other income in any wave, except for Wave 6. From Wave 2 forward, if the Respondent refuses or does not know the value of a lump sum, a follow-up question asks if the amount is more than $50,000 ($30,000 in Wave 2A). In Wave 1, no follow-up question is asked.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income". After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive any other income?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of "other" income.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

From Wave 7 forward, income from alimony (or child support payments) was not asked about. Therefore, any components related to this type of income are not available.

For AHEAD Respondents in Wave 2A, the income components corresponding to imputation flags H2IFOTHI1 and H2IFOTHI2 are not available.

For HRS Respondents in Wave 2H, the income components corresponding to imputation flags R2IFOTH1, R2IFOTH2, R2IFOTH3, S2IFOTH1, S2IFOTH2, and, S2IFOTH3 are not available.

HRS Variables Used

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HRS 1992:
    V15914          N38E:OTHR INCME:ALIM:IND
    V15915          N39E:OTHR INCME AMT :IND
    V15923          N38G:OTHR INCME:NOT :IND
    V15924          N39G:OTHR INCM1 AMT :IND
    V16201          N48a:RCV   91:INSUR :IND
    V16202          N48A:REC   91:  AMT :IND
    V16203          N48b:RCV   91:PENS S:IND
    V16204          N48AB:REC   91:  AMT:IND
    V16205          N48c:RCV   91:INHERI:IND
    V16206          N48AC:REC   91:  AMT:IND
    V5914           N38E:OTHR INCME:ALIM:IMP
    V5915           N39E:OTHR INCME:  AM:IMP
    V5923           N38G:OTHR INCME:NOT :IMP
    V5924           N39G:OTHR INCME:1:  :IMP
    V5926           N39G:OTHR INCME:2:  :IMP
    V6201           N48a:RCV   91:INSUR :IMP
    V6202           N48Aa:RCV   91:  AMT:IMP
    V6203           N48b:RCV   91:PENS S:IMP
    V6204           N48Ab:RCV   91:  AMT:IMP
    V6205           N48c:RCV   91:INHERI:IMP
    V6206           N48Ac:RCV   91:  AMT:IMP
AHEAD 1993:
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B1456	J19. R REG INC: RECEIVE ANY
B1457	J20-1. R REG INC: TYPE-1
B1458	J21-1. R REG INC: PAID PER MONTH-1
B1459	J21b-1. R REG INC: $ PERIOD-1
B1460	J21c-1. R REG INC: $ LAST PERIOD-1
B1462	J21e-1. R REG INC: START >2YRS AGO-1
B1463	J21f-1. R REG INC: START MONTH-1
B1473	J26-1. R REG INC: ANY OTHER-1
B1475	J20-2. R REG INC: TYPE-2
B1476	J21-2. R REG INC: PAID PER MONTH-2
B1477	J21b-2. R REG INC: $ PERIOD-2
B1478	J21c-2. R REG INC: $ LAST PERIOD-2
B1479	J21d-2. R REG INC: FED INC TAXED-2
B1480	J21e-2. R REG INC: START >2YRS AGO-2
B1481	J21f-2. R REG INC: START MONTH-2
B1482	J21g-2. R REG INC: START YEAR-2
B1491	J26-2. R REG INC: ANY OTHER-2
B1492	J20-3. R REG INC: TYPE-3
B1493	J21-3. R REG INC: PAID PER MONTH-3
B1494	J21b-3. R REG INC: $ PERIOD-3
B1495	J21c-3. R REG INC: $ LAST PERIOD-3
B1496	J21d-3. R REG INC: FED INC TAXED-3
B1497	J21e-3. R REG INC: START >2YRS AGO-3
B1498	J21f-3. R REG INC: START MONTH-3
B1499	J21g-3. R REG INC: START YEAR-3
B1508	J27. R REG INC: ANY END 1992/3
B1509	J27a. R REG INC END1992/3: TYPE
B1510	J28. R REG INC END 1992/3: PAID PER MO
B1511	J28a. R REG INC END 1992/3: $ PERIOD
B1512	J28b.R REG INC END1992/3:$ LAST PERIOD
B1513	J28c. R REG INC END92/3: LAST MO RECD
B1514	J28d. R REG INC END92/3: LAST YR RECD
B1515	J29. SP REG INC: RECEIVE ANY
B1517	J30-1. SP REG INC: TYPE-1
B1518	J31-1. SP REG INC: PAID PER MONTH-1
B1519	J31b-1. SP REG INC: $ PERIOD-1
B1520	J31c-1. SP REG INC: $ LAST PERIOD-1
B1521	J31d-1. SP REG INC: FED INC TAXED-1
B1522	J31e-1. SP REG INC: START >2YRS AGO-1
B1523	J31f-1. SP REG INC: START MONTH-1
B1524	J31g-1. SP REG INC: START YEAR-1
B1533	J36-1. SP REG INC: ANY OTHER-1
B1539	J30-2. SP REG INC: TYPE-2
B1540	J31-2. SP REG INC: PAID PER MONTH-2
B1541	J31b-2. SP REG INC: $ PERIOD-2
B1542	J31c-2. SP REG INC: $ LAST PERIOD-2
B1543	J31d-2. SP REG INC: FED INC TAXED-2
B1544	J31e-2. SP REG INC: START >2YRS AGO-2
B1545	J31f-2. SP REG INC: START MONTH-2
B1546	J31g-2. SP REG INC: START YEAR-2
B1555	J36-2. SP REG INC: ANY OTHER-2
B1560	J30-3. SP REG INC: TYPE-3
B1561	J31-3. SP REG INC: PAID PER MONTH-3
B1562	J31b-3. SP REG INC: $ PERIOD-3
B1563	J31c-3. SP REG INC: $ LAST PERIOD-3
B1564	J31d-3. SP REG INC: FED INC TAXED-3
B1565	J31e-3. SP REG INC: START >2YRS AGO-3
B1566	J31f-3. SP REG INC: START MONTH-3
B1567	J31g-3. SP REG INC: START YEAR-3

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    B1576           J37. SP REG INC: ANY END 92/93
    B1577           J37a. SP REG INC END 92/93: TYPE
    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
    B1792           K36. LUMP SUM $500\+: ANY, PAST 2YRS
    B1793           K37. LUMP SUM: TYPE-1
    B1794           K38. LUMP SUM: PAYMENT MONTH-1
    B1795           K38a. LUMP SUM: PAYMENT YEAR-1
    B1796           K39. LUMP SUM: $ RECEIVED-1
    B1798           K41. LUMP SUM: OTHER IN LAST 2YRS-1
    B1799           K37. LUMP SUM: TYPE-2
    B1800           K38. LUMP SUM: PAYMENT MONTH-2
    B1801           K38a. LUMP SUM: PAYMENT YEAR-2
    B1802           K39. LUMP SUM: $ RECEIVED-2
    B1804           K41. LUMP SUM: OTHER IN LAST 2YRS-2
    B1805           K37. LUMP SUM: TYPE-3
    B1806           K38. LUMP SUM: PAYMENT MONTH-3
    B1807           K38a. LUMP SUM: PAYMENT YEAR-3
    B1808           K39. LUMP SUM: $ RECEIVED-3
HRS 1994:
    W16303          N28d. Imputation flag
    W16304          N29d1. Imputation flag
    W16305          N28f. Imputation flag
    W16306          N29f1. Imputation flag
    W5565           K36.RECEIVE LUMP SUM PAY
    W5568           K38a-1.RECEIVE LUMP SUM-
    W5569           K39-1.AMOUNT OF LUMP SUM
    W5570           K40-1.>50K
    W5572           K42-1.RECEIVE OTHER LUMP
    W5575           K38a-2.RECEIVE LUMP SUM-
    W5576           K39-2.AMOUNT OF LUMP SUM
    W5577           K40-2.>50K
    W5579           K42-3.RECEIVE LUMP SUM-3
    W5582           K38a-3.RECEIVE LUMP SUM-
    W5583           K39-3.AMOUNT OF LUMP SUM
    W5584           K40-3.>50K
    W6303           N28d.ALIMONY/CHILD SUPPO
    W6304           N29d1.AMT ALIMONY/CHILD
    W6305           N28f.OTHER INCOME IN 199
    W6306           N29f1.AMT OTHER INCOME-1
    W6307           N29f3.ANY OTHERS?
    W6308           N29f4.AMT OTHER INCOME-2
AHEAD 1995:
    D4566           J61.ALIMONY INCOME
    D4567           J61A.AMT ALIMONY $ LCY
    D4573           J62.OTHER SOURCES INCOME
    D4574           J62A. OTHER SOURCES $ 1994
    D4747           J83. LUMP SUM
    D4750           J85A.DATE LUMP-1
    D4751           J86-1. LUMP $-1
    D4752           J87-1.>50K
    D4754           J89.ANY OTHER LUMP SUM-2
    D4757           J85A-2.LUMP SUM YEAR-2
    D4758           J86-2. LUMP $-2
    D4759           J87-2.>50K
    D4761           J43.ANY OTHER LUMP SUM-3
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    D4764           J85A-3.LUMP SUM YEAR-3
    D4765           J86-3. LUMP $-3
    D4766           J87-3.>50K
HRS 1996:
    E4567           J247.ALIMONY INCOME
    E4568           J248.AMT ALIMONY $ LCY
    E4574           J249.OTHER SOURCES INCOME
    E4575           J250.OTHER SOURCES $ 1994
    E4748           J305.LUMP SUM
    E4751           J308.YEAR LUMP-1
    E4752           J309.LUMP $-1
    E4753           J309A.>50K
    E4755           J311. ANY SECOND LUMP SUM
    E4758           J314. SECOND LUMP SUM: YEAR RECEIVED
    E4759           J315.LUMP $-2
    E4760           J315A.>50K
    E4763           J318.LUMP SUM-3
    E4765           J320. THIRD LUMP SUM: YEAR RECEIVED
    E4766           J321.LUMP $-3
    E4767           J321A.>50K
HRS 1998:
    F5327           J247.ALIMONY INCOME
    F5328           J248.AMT ALIMONY $ LCY
    F5334           J249.OTHER SOURCES INCOME
    F5335           J250.OTHER SOURCES $ 1996
    F5508           J305.LUMP SUM
    F5511           J308.DATE LUMP-1
    F5512           J309.LUMP $-1
    F5513           J309A.>50K
    F5515           J311.
    F5518           J314.
    F5519           J315.LUMP $-2
    F5520           J315A.>50K
    F5522           J317.
    F5525           J320.
    F5526           J321.LUMP $-3
    F5527           J321A.>50K
HRS 2000:
    G5721           J247.ALIMONY INCOME
    G5722           J248.AMT ALIMONY $ LCY
    G5728           J249.OTHER SOURCES INCOME
    G5729           J250.OTHER SOURCES IN LCY
    G5861           J305.ANY LUMP SUM
    G5864           J308.DATE LUMP-1
    G5865           J309. LUMP SUM RCV-1
    G5866           J309A.>50K
    G5868           J311.ANY 2ND LUMP SUM
    G5871           J314.2ND LUMP SUM-YR RECIEVED
    G5872           J315. LUMP SUM RCV-2
    G5873           J315A.>50K
    G5875           J317.ANY 3RD LUMP SUM
    G5878           J320.3RD LUMP SUM-YR RECIEVED
    G5879           J321. LUMP SUM RCV-3
    G5880           J321A.>50K
HRS 2002:
    HQ390           ALIMONY CHILD SUPP INCOME
    HQ391           ALIMONY CHILD SUPP INCOME AMOUNT - LCY
    HQ395           OTHER SOURCES OF INCOME
    HQ396           OTHER SOURCES OF INCOME AMOUNT - LCY
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    HQ483_1         R OR SP IF LUMP SUM RECEIVED -1
    HQ483_2         R OR SP IF LUMP SUM RECEIVED -2
    HQ483_3         R OR SP IF LUMP SUM RECEIVED -3
    HQ486_1         MONTH LUMP SUM RECEIVED -1
    HQ486_2         MONTH LUMP SUM RECEIVED -2
    HQ486_3         MONTH LUMP SUM RECEIVED -3
    HQ487_1         YEAR LUMP SUM RECEIVED -1
    HQ487_2         YEAR LUMP SUM RECEIVED -2
    HQ487_3         YEAR LUMP SUM RECEIVED -3
    HQ488_1         LUMP SUM AMOUNT RECEIVED -1
    HQ488_2         LUMP SUM AMOUNT RECEIVED -2
    HQ488_3         LUMP SUM AMOUNT RECEIVED -3
    HQ489_1         LUMP SUM AMT - $50K -1
    HQ489_2         LUMP SUM AMT - $50K -2
    HQ489_3         LUMP SUM AMT - $50K -3
HRS 2004:
    JQ395           OTHER SOURCES OF INCOME
    JQ396           OTHER SOURCES OF INCOME AMOUNT - LCY
    JQ483_1         R OR SP IF LUMP SUM RECEIVED -1
    JQ483_2         R OR SP IF LUMP SUM RECEIVED -2
    JQ483_3         R OR SP IF LUMP SUM RECEIVED -3
    JQ486_1         MONTH LUMP SUM RECEIVED -1
    JQ486_2         MONTH LUMP SUM RECEIVED -2
    JQ486_3         MONTH LUMP SUM RECEIVED -3
    JQ487_1         YEAR LUMP SUM RECEIVED -1
    JQ487_2         YEAR LUMP SUM RECEIVED -2
    JQ487_3         YEAR LUMP SUM RECEIVED -3
    JQ488_1         LUMP SUM AMOUNT RECEIVED -1
    JQ488_2         LUMP SUM AMOUNT RECEIVED -2
    JQ488_3         LUMP SUM AMOUNT RECEIVED -3
    JQ489_1         LUMP SUM AMT - $50K -1
    JQ489_2         LUMP SUM AMT - $50K -2
    JQ489_3         LUMP SUM AMT - $50K -3
HRS 2006:
    KQ395           OTHER SOURCES OF INCOME
    KQ396           OTHER SOURCES OF INCOME AMOUNT - LCY
    KQ483_1         R OR SP IF LUMP SUM RECEIVED -1
    KQ483_2         R OR SP IF LUMP SUM RECEIVED -2
    KQ483_3         R OR SP IF LUMP SUM RECEIVED -3
    KQ486_1         MONTH LUMP SUM RECEIVED -1
    KQ486_2         MONTH LUMP SUM RECEIVED -2
    KQ486_3         MONTH LUMP SUM RECEIVED -3
    KQ487_1         YEAR LUMP SUM RECEIVED -1
    KQ487_2         YEAR LUMP SUM RECEIVED -2
    KQ487_3         YEAR LUMP SUM RECEIVED -3
    KQ488_1         LUMP SUM AMOUNT RECEIVED -1
    KQ488_2         LUMP SUM AMOUNT RECEIVED -2
    KQ488_3         LUMP SUM AMOUNT RECEIVED -3
    KQ489_1         LUMP SUM AMT - $50K -1
    KQ489_2         LUMP SUM AMT - $50K -2
    KQ489_3         LUMP SUM AMT - $50K -3
HRS 2008:
    LQ395           OTHER SOURCES OF INCOME
    LQ396           OTHER SOURCES OF INCOME AMOUNT - LCY
    LQ483_1         R OR SP IF LUMP SUM RECEIVED -1
    LQ483_2         R OR SP IF LUMP SUM RECEIVED -2
    LQ483_3         R OR SP IF LUMP SUM RECEIVED -3
    LQ486_1         MONTH LUMP SUM RECEIVED -1
    LQ486_2         MONTH LUMP SUM RECEIVED -2
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    LQ486_3         MONTH LUMP SUM RECEIVED -3
    LQ487_1         YEAR LUMP SUM RECEIVED -1
    LQ487_2         YEAR LUMP SUM RECEIVED -2
    LQ487_3         YEAR LUMP SUM RECEIVED -3
    LQ488_1         LUMP SUM AMOUNT RECEIVED -1
    LQ488_2         LUMP SUM AMOUNT RECEIVED -2
    LQ488_3         LUMP SUM AMOUNT RECEIVED -3
    LQ489_1         LUMP SUM AMT - $50K -1
    LQ489_2         LUMP SUM AMT - $50K -2
    LQ489_3         LUMP SUM AMT - $50K -3
HRS 2010:
    MQ395           OTHER SOURCES OF INCOME
    MQ396           OTHER SOURCES OF INCOME AMOUNT - LCY
    MQ483_1         R OR SP IF LUMP SUM RECEIVED -1
    MQ483_2         R OR SP IF LUMP SUM RECEIVED -2
    MQ483_3         R OR SP IF LUMP SUM RECEIVED -3
    MQ486_1         MONTH LUMP SUM RECEIVED -1
    MQ486_2         MONTH LUMP SUM RECEIVED -2
    MQ486_3         MONTH LUMP SUM RECEIVED -3
    MQ487_1         YEAR LUMP SUM RECEIVED -1
    MQ487_2         YEAR LUMP SUM RECEIVED -2
    MQ487_3         YEAR LUMP SUM RECEIVED -3
    MQ488_1         LUMP SUM AMOUNT RECEIVED -1
    MQ488_2         LUMP SUM AMOUNT RECEIVED -2
    MQ488_3         LUMP SUM AMOUNT RECEIVED -3
    MQ489_1         LUMP SUM AMT - $50K -1
    MQ489_2         LUMP SUM AMT - $50K -2
    MQ489_3         LUMP SUM AMT - $50K -3
HRS 2012:
    NQ395           OTHER SOURCES OF INCOME
    NQ396           OTHER SOURCES OF INCOME AMOUNT - LCY
    NQ483_1         R OR SP IF LUMP SUM RECEIVED -1
    NQ483_2         R OR SP IF LUMP SUM RECEIVED -2
    NQ483_3         R OR SP IF LUMP SUM RECEIVED -3
    NQ486_1         MONTH LUMP SUM RECEIVED -1
    NQ486_2         MONTH LUMP SUM RECEIVED -2
    NQ486_3         MONTH LUMP SUM RECEIVED -3
    NQ487_1         YEAR LUMP SUM RECEIVED -1
    NQ487_2         YEAR LUMP SUM RECEIVED -2
    NQ487_3         YEAR LUMP SUM RECEIVED -3
    NQ488_1         LUMP SUM AMOUNT RECEIVED -1
    NQ488_2         LUMP SUM AMOUNT RECEIVED -2
    NQ488_3         LUMP SUM AMOUNT RECEIVED -3
    NQ489_1         LUMP SUM AMT - $50K -1
    NQ489_2         LUMP SUM AMT - $50K -2
    NQ489_3         LUMP SUM AMT - $50K -3
HRS 2014:
    OQ395           OTHER SOURCES OF INCOME
    OQ396           OTHER SOURCES OF INCOME AMOUNT - LCY
    OQ483_1         R OR SP IF LUMP SUM RECEIVED -1
    OQ483_2         R OR SP IF LUMP SUM RECEIVED -2
    OQ483_3         R OR SP IF LUMP SUM RECEIVED -3
    OQ486_1         MONTH LUMP SUM RECEIVED -1
    OQ486_2         MONTH LUMP SUM RECEIVED -2
    OQ486_3         MONTH LUMP SUM RECEIVED -3
    OQ487_1         YEAR LUMP SUM RECEIVED -1
    OQ487_2         YEAR LUMP SUM RECEIVED -2
    OQ487_3         YEAR LUMP SUM RECEIVED -3
    OQ488_1         LUMP SUM AMOUNT RECEIVED -1
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OQ488_2         LUMP SUM AMOUNT RECEIVED -2
OQ488_3         LUMP SUM AMOUNT RECEIVED -3
OQ489_1         LUMP SUM AMT - $50K -1
OQ489_2         LUMP SUM AMT - $50K -2
OQ489_3         LUMP SUM AMT - $50K -3
```

Total household income (Respondent & spouse)

Wave	Variable	Label	Type
1	H1ITOT	H1ITOT:W1 Incm: Total HHold / R+Sp only	Cont
2	H2ITOT	H2ITOT:W2 Incm: Total HHold / R+Sp only	Cont
3	H3ITOT	H3ITOT:W3 Incm: Total HHold / R+Sp only	Cont
4	H4ITOT	H4ITOT:W4 Incm: Total HHold / R+Sp only	Cont
5	H5ITOT	H5ITOT:W5 Incm: Total HHold / R+Sp only	Cont
6	H6ITOT	H6ITOT:W6 Incm: Total HHold / R+Sp only	Cont
7	H7ITOT	H7ITOT:W7 Incm: Total HHold / R+Sp only	Cont
8	H8ITOT	H8ITOT:W8 Incm: Total HHold / R+Sp only	Cont
9	H9ITOT	H9ITOT:W9 Incm: Total HHold / R+Sp only	Cont
10	H10ITOT	H10ITOT:W10 Incm: Total HHold / R+Sp only	Cont
11	H11ITOT	H11ITOT:W11 Incm: Total HHold / R+Sp only	Cont
12	H12ITOT	H12ITOT:W12 Incm: Total HHold / R+Sp only	Cont
2	H2ITOT2	H2ITOT2:W2 Income: Imputed Total Household	Cont
1	H1IFTOT	H1IFTOT:W1 ImpFlag: Total Household Inc	Categ
2	H2IFTOT	H2IFTOT:W2 ImpFlag: Total Household Inc	Categ
3	H3IFTOT	H3IFTOT:W3 ImpFlag: Total Household Inc	Categ
4	H4IFTOT	H4IFTOT:W4 ImpFlag: Total Household Inc	Categ
5	H5IFTOT	H5IFTOT:W5 ImpFlag: Total Household Inc	Categ
6	H6IFTOT	H6IFTOT:W6 ImpFlag: Total Household Inc	Categ
7	H7IFTOT	H7IFTOT:W7 ImpFlag: Total Household Inc	Categ
8	H8IFTOT	H8IFTOT:W8 ImpFlag: Total Household Inc	Categ
9	H9IFTOT	H9IFTOT:W9 ImpFlag: Total Household Inc	Categ
10	H10IFTOT	H10IFTOT:W10 ImpFlag: Total Household Inc	Categ
11	H11IFTOT	H11IFTOT:W11 ImpFlag: Total Household Inc	Categ
12	H12IFTOT	H12IFTOT:W12 ImpFlag: Total Household Inc	Categ
2	H2IFTOT2	H2IFTOT2:W2 ImpFlag: Imputed Total Household	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ITOT	12652	47402.80	50379.95	0.0	1300000.0
H2ITOT	19642	42244.03	76352.14	0.0	3215064.3
H3ITOT	17991	45721.06	66733.49	0.0	3074234.2
H4ITOT	21384	49569.64	109510.56	0.0	7903681.0
H5ITOT	19579	52361.01	100677.81	0.0	5539024.0
H6ITOT	18165	52375.79	92050.88	0.0	7398754.0
H7ITOT	20129	60545.96	103565.95	0.0	3536642.0
H8ITOT	18469	64984.00	317207.30	0.0	25360250.0
H9ITOT	17217	67463.82	471616.39	0.0	60014376.0
H10ITOT	22034	63450.58	99098.03	0.0	5442424.0
H11ITOT	20554	65109.35	100533.88	0.0	3666240.0
H12ITOT	18748	68994.27	121765.01	0.0	4514000.0
H2ITOT2	8222	22572.81	28308.79	0.0	700000.0
H1IFTOT	12652	1.32	0.81	0.0	9.0
H2IFTOT	19642	1.67	0.78	0.0	9.0
H3IFTOT	17991	1.74	0.77	0.0	9.0
H4IFTOT	21384	1.61	0.89	0.0	9.0
H5IFTOT	19579	1.60	0.80	0.0	9.0
H6IFTOT	18165	1.59	0.60	0.0	9.0
H7IFTOT	20129	1.54	0.68	0.0	9.0

H8IFTOT	18469	1.53	0.65	0.0	9.0
H9IFTOT	17217	1.52	0.69	0.0	9.0
H10IFTOT	22034	1.51	1.01	0.0	9.0
H11IFTOT	20554	1.45	0.83	0.0	9.0
H12IFTOT	18748	1.45	0.89	0.0	9.0
H2IFTOT2	8222	1.45	0.57	0.0	9.0

Categorical Variable Codes

Value	H1IFTOT	H2IFTOT	H3IFTOT	H4IFTOT	H5IFTOT	H6IFTOT	H7IFTOT
0.No income	118	138	96	89	105	90	125
1.No imputations	9049	7057	5423	9595	8594	7442	9443
2.Some imputation	3390	12314	12346	11494	10743	10596	10490
9.No Fin Resp	95	133	126	206	137	37	71

Value	H8IFTOT	H9IFTOT	H10IFTOT	H11IFTOT	H12IFTOT
0.No income	88	101	283	261	245
1.No imputations	8816	8551	12355	11835	11046
2.Some imputation	9509	8501	9100	8304	7285
9.No Fin Resp	56	64	296	154	172

Value	H2IFTOT2
.Q=Not asked this wv	11420
0.No income	50
1.No imputations	4481
2.Some imputation	3681
9.No Fin Resp	10

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's

spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

HwITOT is the sum of all income in a household, that is, the sum of RwIEARN, SwIEARN, HwICAP, RwIPENA, SwIPENA, RwISSDI, SwISSDI, RwISRET, SwISRET, RwIUNWC, SwIUNWC, RwIGXFR, SwIGXFR, and HwIOTHR.

HwIFTOT is a flag that indicates whether any components are imputed.

H2ITOT2 is derived from the Wave 2A question which asks how much total income a household received last calendar year. Missing values were imputed from unfolding bracket questions, and H2IFTOT2 flags imputed values.

See also the explanations of the individual variables used to calculate HwITOT for possible differences between the HRS and AHEAD samples.

For HRS entry cohort Respondents, H2ITOT2 and H2IFTOT2 are set to .Q to indicate that the corresponding income information is not available in Wave 2H.

It is important to note that total household income does not include income from other household members, only the Respondent and spouse.

Cross Wave Differences in Original HRS Data

For HRS Respondents in Wave 2H, there is no question asking for total household income. Thus, the information for H2ITOT2 and H2IFTOT2 are not available for these cases in Wave 2.

Poverty Threshold

Wave	Variable	Label	Type
6	H6INPOV	H6INPOV:W6 Whether in Poverty-no inst	Categ
7	H7INPOV	H7INPOV:W7 Whether in Poverty-no inst	Categ
8	H8INPOV	H8INPOV:W8 Whether in Poverty-no inst	Categ
9	H9INPOV	H9INPOV:W9 Whether in Poverty-no inst	Categ
10	H10INPOV	H10INPOV:W10 Whether in Poverty-no inst	Categ
11	H11INPOV	H11INPOV:W11 Whether in Poverty-no inst	Categ
12	H12INPOV	H12INPOV:W12 Whether in Poverty-no inst	Categ
6	H6INPOVR	H6INPOVR:W6 Ratio HH Inc:PovThr-no inst	Cont
7	H7INPOVR	H7INPOVR:W7 Ratio HH Inc:PovThr-no inst	Cont
8	H8INPOVR	H8INPOVR:W8 Ratio HH Inc:PovThr-no inst	Cont
9	H9INPOVR	H9INPOVR:W9 Ratio HH Inc:PovThr-no inst	Cont
10	H10INPOVR	H10INPOVR:W10 Ratio HH Inc:PovThr-no inst	Cont
11	H11INPOVR	H11INPOVR:W11 Ratio HH Inc:PovThr-no inst	Cont
12	H12INPOVR	H12INPOVR:W12 Ratio HH Inc:PovThr-no inst	Cont
6	H6POVFAM	H6POVFAM:W6 FamType for PovThresh-no inst	Categ
7	H7POVFAM	H7POVFAM:W7 FamType for PovThresh-no inst	Categ
8	H8POVFAM	H8POVFAM:W8 FamType for PovThresh-no inst	Categ
9	H9POVFAM	H9POVFAM:W9 FamType for PovThresh-no inst	Categ
10	H10POVFAM	H10POVFAM:W10 FamType for PovThresh-no inst	Categ
11	H11POVFAM	H11POVFAM:W11 FamType for PovThresh-no inst	Categ
12	H12POVFAM	H12POVFAM:W12 FamType for PovThresh-no inst	Categ
6	H6POVHHI	H6POVHHI:W6 HH Inc to chk Poverty-no inst	Cont
7	H7POVHHI	H7POVHHI:W7 HH Inc to chk Poverty-no inst	Cont
8	H8POVHHI	H8POVHHI:W8 HH Inc to chk Poverty-no inst	Cont
9	H9POVHHI	H9POVHHI:W9 HH Inc to chk Poverty-no inst	Cont
10	H10POVHHI	H10POVHHI:W10 HH Inc to chk Poverty-no inst	Cont
11	H11POVHHI	H11POVHHI:W11 HH Inc to chk Poverty-no inst	Cont
12	H12POVHHI	H12POVHHI:W12 HH Inc to chk Poverty-no inst	Cont
6	H6POVTHR	H6POVTHR:W6 Poverty Threshold-no inst	Cont
7	H7POVTHR	H7POVTHR:W7 Poverty Threshold-no inst	Cont
8	H8POVTHR	H8POVTHR:W8 Poverty Threshold-no inst	Cont
9	H9POVTHR	H9POVTHR:W9 Poverty Threshold-no inst	Cont
10	H10POVTHR	H10POVTHR:W10 Poverty Threshold-no inst	Cont
11	H11POVTHR	H11POVTHR:W11 Poverty Threshold-no inst	Cont
12	H12POVTHR	H12POVTHR:W12 Poverty Threshold-no inst	Cont
6	H6INPOVA	H6INPOVA:W6 Whether in Poverty-w/inst	Categ
7	H7INPOVA	H7INPOVA:W7 Whether in Poverty-w/inst	Categ
8	H8INPOVA	H8INPOVA:W8 Whether in Poverty-w/inst	Categ
9	H9INPOVA	H9INPOVA:W9 Whether in Poverty-w/inst	Categ
10	H10INPOVA	H10INPOVA:W10 Whether in Poverty-w/inst	Categ
11	H11INPOVA	H11INPOVA:W11 Whether in Poverty-w/inst	Categ
12	H12INPOVA	H12INPOVA:W12 Whether in Poverty-w/inst	Categ
6	H6INPVRA	H6INPVRA:W6 Ratio HH Inc:PovThr-w/inst	Cont
7	H7INPVRA	H7INPVRA:W7 Ratio HH Inc:PovThr-w/inst	Cont
8	H8INPVRA	H8INPVRA:W8 Ratio HH Inc:PovThr-w/inst	Cont
9	H9INPVRA	H9INPVRA:W9 Ratio HH Inc:PovThr-w/inst	Cont
10	H10INPVRA	H10INPVRA:W10 Ratio HH Inc:PovThr-w/inst	Cont
11	H11INPVRA	H11INPVRA:W11 Ratio HH Inc:PovThr-w/inst	Cont
12	H12INPVRA	H12INPVRA:W12 Ratio HH Inc:PovThr-w/inst	Cont
6	H6PVFAMA	H6PVFAMA:W6 FamType for PovThresh-w/inst	Categ
7	H7PVFAMA	H7PVFAMA:W7 FamType for PovThresh-w/inst	Categ
8	H8PVFAMA	H8PVFAMA:W8 FamType for PovThresh-w/inst	Categ
9	H9PVFAMA	H9PVFAMA:W9 FamType for PovThresh-w/inst	Categ
10	H10PVFAMA	H10PVFAMA:W10 FamType for PovThresh-w/inst	Categ
11	H11PVFAMA	H11PVFAMA:W11 FamType for PovThresh-w/inst	Categ
12	H12PVFAMA	H12PVFAMA:W12 FamType for PovThresh-w/inst	Categ
6	H6PVHHIA	H6PVHHIA:W6 HH inc to chk Poverty-w/inst	Cont
7	H7PVHHIA	H7PVHHIA:W7 HH inc to chk Poverty-w/inst	Cont

8	H8PVHHIA	H8PVHHIA:W8 HH inc to chk Poverty-w/inst	Cont
9	H9PVHHIA	H9PVHHIA:W9 HH inc to chk Poverty-w/inst	Cont
10	H10PVHHIA	H10PVHHIA:W10 HH inc to chk Poverty-w/inst	Cont
11	H11PVHHIA	H11PVHHIA:W11 HH inc to chk Poverty-w/inst	Cont
12	H12PVHHIA	H12PVHHIA:W12 HH inc to chk Poverty-w/inst	Cont
6	H6PVTHRA	H6PVTHRA:W6 Poverty Threshold-w/inst	Cont
7	H7PVTHRA	H7PVTHRA:W7 Poverty Threshold-w/inst	Cont
8	H8PVTHRA	H8PVTHRA:W8 Poverty Threshold-w/inst	Cont
9	H9PVTHRA	H9PVTHRA:W9 Poverty Threshold-w/inst	Cont
10	H10PVTHRA	H10PVTHRA:W10 Poverty Threshold-w/inst	Cont
11	H11PVTHRA	H11PVTHRA:W11 Poverty Threshold-w/inst	Cont
12	H12PVTHRA	H12PVTHRA:W12 Poverty Threshold-w/inst	Cont
6	H6NHMLIV	H6NHMLIV:W6 HHold nursing hm status	Categ
7	H7NHMLIV	H7NHMLIV:W7 HHold nursing hm status	Categ
8	H8NHMLIV	H8NHMLIV:W8 HHold nursing hm status	Categ
9	H9NHMLIV	H9NHMLIV:W9 HHold nursing hm status	Categ
10	H10NHMLIV	H10NHMLIV:W10 HHold nursing hm status	Categ
11	H11NHMLIV	H11NHMLIV:W11 HHold nursing hm status	Categ
12	H12NHMLIV	H12NHMLIV:W12 HHold nursing hm status	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H6INPOV	17705	0.09	0.29	0.0	1.0
H7INPOV	19669	0.09	0.29	0.0	1.0
H8INPOV	18031	0.09	0.28	0.0	1.0
H9INPOV	16776	0.09	0.29	0.0	1.0
H10INPOV	21565	0.13	0.33	0.0	1.0
H11INPOV	20076	0.14	0.34	0.0	1.0
H12INPOV	18305	0.14	0.34	0.0	1.0
H6INPOVR	17705	4.93	8.94	0.0	803.0
H7INPOVR	19669	5.31	8.50	0.0	369.4
H8INPOVR	18031	5.44	23.29	0.0	1939.2
H9INPOVR	16776	5.54	47.47	0.0	6035.2
H10INPOVR	21565	4.61	6.31	0.0	289.2
H11INPOVR	20076	4.63	7.03	0.0	339.8
H12INPOVR	18305	4.78	7.94	0.0	320.4
H6POVFAM	17705	219.61	104.65	100.0	908.0
H7POVFAM	19669	228.80	113.97	100.0	908.0
H8POVFAM	18031	224.92	110.69	100.0	908.0
H9POVFAM	16776	220.83	108.11	100.0	908.0
H10POVFAM	21565	240.34	128.07	100.0	908.0
H11POVFAM	20076	237.91	127.41	100.0	908.0
H12POVFAM	18305	234.85	124.88	100.0	908.0
H6POVHHI	17705	58746.60	94576.99	0.0	7398754.0
H7POVHHI	19669	67671.10	106841.45	0.0	3536642.0
H8POVHHI	18031	72669.61	321963.24	0.0	25360250.0
H9POVHHI	16776	75292.12	478068.26	0.0	60014376.0
H10POVHHI	21565	69431.60	94005.74	0.0	2975344.2
H11POVHHI	20076	72316.35	103758.91	0.0	3666240.0
H12POVHHI	18305	76886.93	125144.17	0.0	4519000.0
H6POVTHR	17705	11877.91	3466.38	8494.0	39223.0
H7POVTHR	19669	12685.76	3965.40	8825.0	40948.0

H8POVTHR	18031	13260.72	4066.75	9367.0	43254.0
H9POVTHR	16776	13875.94	4224.84	9944.0	45921.0
H10POVTHR	21565	15324.44	5204.08	10289.0	47744.0
H11POVTHR	20076	15942.03	5401.89	10788.0	50059.0
H12POVTHR	18305	16365.24	5466.94	11173.0	51844.0
H6INPOVA	18165	0.10	0.29	0.0	1.0
H7INPOVA	20129	0.10	0.29	0.0	1.0
H8INPOVA	18469	0.09	0.29	0.0	1.0
H9INPOVA	17217	0.10	0.30	0.0	1.0
H10INPOVA	22034	0.13	0.34	0.0	1.0
H11INPOVA	20554	0.14	0.35	0.0	1.0
H12INPOVA	18748	0.14	0.34	0.0	1.0
H6INPVRA	18165	4.86	8.84	0.0	803.0
H7INPVRA	20129	5.22	8.39	0.0	369.4
H8INPVRA	18469	5.36	23.02	0.0	1939.2
H9INPVRA	17217	5.44	46.86	0.0	6035.2
H10INPVRA	22034	4.56	7.14	0.0	529.0
H11INPVRA	20554	4.55	6.90	0.0	339.8
H12INPVRA	18748	4.71	7.82	0.0	320.4
H6PVFAMA	18165	218.65	104.79	100.0	908.0
H7PVFAMA	20129	228.71	115.04	100.0	908.0
H8PVFAMA	18469	225.17	111.84	100.0	908.0
H9PVFAMA	17217	220.37	109.50	100.0	908.0
H10PVFAMA	22034	240.79	129.47	100.0	908.0
H11PVFAMA	20554	238.04	128.83	100.0	908.0
H12PVFAMA	18748	234.68	126.30	100.0	908.0
H6PVHHIA	18165	57948.05	93763.17	0.0	7398754.0
H7PVHHIA	20129	66826.65	106046.18	0.0	3536642.0
H8PVHHIA	18469	71836.73	318363.33	0.0	25360250.0
H9PVHHIA	17217	74118.60	472005.88	0.0	60014376.0
H10PVHHIA	22034	68965.96	100185.46	0.0	5442424.0
H11PVHHIA	20554	71477.93	103019.16	0.0	3666240.0
H12PVHHIA	18748	76013.99	124258.52	0.0	4519000.0
H6PVTHRA	18165	11843.70	3469.75	8494.0	39223.0
H7PVTHRA	20129	12681.67	4006.53	8825.0	40948.0
H8PVTHRA	18469	13268.08	4110.11	9367.0	43254.0
H9PVTHRA	17217	13857.51	4277.94	9944.0	45921.0
H10PVTHRA	22034	15338.37	5267.03	10289.0	47744.0
H11PVTHRA	20554	15941.89	5464.07	10788.0	50059.0
H12PVTHRA	18748	16354.01	5526.81	11173.0	51844.0
H6NHMLIV	18165	0.07	0.44	0.0	3.0
H7NHMLIV	20129	0.06	0.42	0.0	3.0
H8NHMLIV	18469	0.07	0.42	0.0	3.0
H9NHMLIV	17217	0.07	0.44	0.0	3.0
H10NHMLIV	22034	0.06	0.39	0.0	3.0
H11NHMLIV	20554	0.06	0.42	0.0	3.0
H12NHMLIV	18748	0.07	0.42	0.0	3.0

Categorical Variable Codes

Value	H6INPOV	H7INPOV
.I=R in nursing home	460	460
0.HH inc above pov thresh	16081	17871
1.HH inc below pov thresh	1624	1798

Value	H8INPOV	H9INPOV	H10INPOV	H11INPOV	H12INPOV
.I=R in nursing home	438	441	469	478	443
0.HH inc above pov thresh	16442	15214	18789	17322	15827
1.HH inc below pov thresh	1589	1562	2776	2754	2478

Value	H6POVFAM	H7POVFAM
.I: All core HH mem in inst	460	460
100: 1 in HH lt 65	1107	1335
110: 1 in HH gt 65	2995	2943
200: 2 in HH lt 65/0 kids	3383	3774
201: 2 in HH lt 65/1 kid	288	361
210: 2 in HH gt 65/0 kids	5471	5653
211: 2 in HH gt 65/1 kid	633	635
300: 3 in HH/0 kids	510	789
301: 3 in HH/1 kids	1423	1574
302: 3 in HH/2 kids	307	356
400: 4 in HH/0 kids	160	289
401: 4 in HH/1 kids	309	385
402: 4 in HH/2 kids	394	544
403: 4 in HH/3 kids	53	81
500: 5 in HH/0 kids	30	79
501: 5 in HH/1 kids	101	151
502: 5 in HH/2 kids	147	181
503: 5 in HH/3 kids	68	113
504: 5 in HH/4 kids	19	22
600: 6 in HH/0 kids	10	22
601: 6 in HH/1 kids	36	33
602: 6 in HH/2 kids	61	68
603: 6 in HH/3 kids	60	39
604: 6 in HH/4 kids	17	22
605: 6 in HH/5 kids	1	3
700: 7 in HH/0 kids	6	4
701: 7 in HH/1 kids	7	22
702: 7 in HH/2 kids	28	40
703: 7 in HH/3 kids	14	22
704: 7 in HH/4 kids	5	13
705: 7 in HH/5 kids	3	
706: 7 in HH/6 kids		1
801: 8 in HH/1 kids	1	6
802: 8 in HH/2 kids	5	23
803: 8 in HH/3 kids	6	16
804: 8 in HH/4 kids	4	12
805: 8 in HH/5 kids	4	7
806: 8 in HH/6 kids	7	4
900: 9 in HH/0 kids	2	4
901: 9 in HH/1 kids		4
902: 9 in HH/2 kids		9
903: 9 in HH/3 kids	8	10
904: 9 in HH/4 kids	6	8
905: 9 in HH/5 kids	10	1
906: 9 in HH/6 kids	4	4
907: 9 in HH/7 kids	1	6
908: 9 in HH/8 kids	1	1

Value	H8POVFAM	H9POVFAM	H10POVFAM	H11POVFAM	H12POVFAM
.I: All core HH mem in inst	438	441	469	478	443
100: 1 in HH lt 65	1087	964	1847	1685	1488
110: 1 in HH gt 65	3057	3079	2895	2827	2795
200: 2 in HH lt 65/0 kids	2975	2436	3869	3471	3031

201: 2 in HH lt 65/1 kid	247	179	465	475	417
210: 2 in HH gt 65/0 kids	5753	5822	5378	5225	4824
211: 2 in HH gt 65/1 kid	649	628	634	628	646
300: 3 in HH/0 kids	597	470	1042	839	615
301: 3 in HH/1 kids	1444	1284	1802	1668	1581
302: 3 in HH/2 kids	328	321	410	399	413
400: 4 in HH/0 kids	216	174	478	275	212
401: 4 in HH/1 kids	312	278	570	521	427
402: 4 in HH/2 kids	442	355	597	586	578
403: 4 in HH/3 kids	90	79	89	107	108
500: 5 in HH/0 kids	40	33	132	77	58
501: 5 in HH/1 kids	115	85	218	168	130
502: 5 in HH/2 kids	166	136	250	289	264
503: 5 in HH/3 kids	106	95	151	166	114
504: 5 in HH/4 kids	29	23	24	25	27
600: 6 in HH/0 kids	19	16	58	42	32
601: 6 in HH/1 kids	40	36	83	49	42
602: 6 in HH/2 kids	76	84	109	118	132
603: 6 in HH/3 kids	55	39	83	72	82
604: 6 in HH/4 kids	21	20	43	48	34
605: 6 in HH/5 kids	3	5	8	9	16
700: 7 in HH/0 kids	5	1	11	1	4
701: 7 in HH/1 kids	8	8	28	23	15
702: 7 in HH/2 kids	36	32	46	45	49
703: 7 in HH/3 kids	26	13	48	39	31
704: 7 in HH/4 kids	17	12	23	27	18
705: 7 in HH/5 kids	4	5	14	18	9
706: 7 in HH/6 kids		2	1	2	1
800: 8 in HH/0 kids			11	5	2
801: 8 in HH/1 kids	6	2	9	3	4
802: 8 in HH/2 kids	11	8	28	21	5
803: 8 in HH/3 kids	14	13	16	24	21
804: 8 in HH/4 kids	8	4	14	16	16
805: 8 in HH/5 kids		6	7	10	5
806: 8 in HH/6 kids	2		2	3	1
900: 9 in HH/0 kids	2	2	2		
901: 9 in HH/1 kids			2	4	2
902: 9 in HH/2 kids	3	10	15	11	5
903: 9 in HH/3 kids	11	10	14	10	11
904: 9 in HH/4 kids	3	3	17	21	15
905: 9 in HH/5 kids	1	2	13	13	12
906: 9 in HH/6 kids			5	4	2
907: 9 in HH/7 kids	5	1		3	6
908: 9 in HH/8 kids	2	1	4	4	5

Value	H6INPOVA	H7INPOVA
0.HH inc above pov thresh	16421	18213
1.HH inc below pov thresh	1744	1916

Value	H8INPOVA	H9INPOVA	H10INPOVA	H11INPOVA	H12INPOVA
0.HH inc above pov thresh	16779	15542	19164	17689	16168
1.HH inc below pov thresh	1690	1675	2870	2865	2580

Value	H6PVFAMA	H7PVFAMA
100: 1 in HH lt 65	1104	1333
110: 1 in HH gt 65	3283	3203
200: 2 in HH lt 65/0 kids	3339	3701
201: 2 in HH lt 65/1 kid	287	362
210: 2 in HH gt 65/0 kids	5570	5744
211: 2 in HH gt 65/1 kid	645	661
300: 3 in HH/0 kids	497	765
301: 3 in HH/1 kids	1487	1620
302: 3 in HH/2 kids	324	376
400: 4 in HH/0 kids	158	288
401: 4 in HH/1 kids	324	418
402: 4 in HH/2 kids	414	587
403: 4 in HH/3 kids	53	87
500: 5 in HH/0 kids	30	79
501: 5 in HH/1 kids	105	151
502: 5 in HH/2 kids	151	186
503: 5 in HH/3 kids	68	127
504: 5 in HH/4 kids	19	22
600: 6 in HH/0 kids	10	21
601: 6 in HH/1 kids	36	37
602: 6 in HH/2 kids	61	75
603: 6 in HH/3 kids	60	39
604: 6 in HH/4 kids	17	22
605: 6 in HH/5 kids	1	3
700: 7 in HH/0 kids	6	4
701: 7 in HH/1 kids	7	23
702: 7 in HH/2 kids	28	40
703: 7 in HH/3 kids	14	22
704: 7 in HH/4 kids	5	13
705: 7 in HH/5 kids	3	2
706: 7 in HH/6 kids		1
801: 8 in HH/1 kids	1	4
802: 8 in HH/2 kids	5	23
803: 8 in HH/3 kids	6	16
804: 8 in HH/4 kids	4	12
805: 8 in HH/5 kids	4	7
806: 8 in HH/6 kids	7	4
900: 9 in HH/0 kids	2	4
901: 9 in HH/1 kids		4
902: 9 in HH/2 kids		13
903: 9 in HH/3 kids	8	10
904: 9 in HH/4 kids	6	8
905: 9 in HH/5 kids	10	1
906: 9 in HH/6 kids	4	4
907: 9 in HH/7 kids	1	6
908: 9 in HH/8 kids	1	1

Value	H8PVFAMA	H9PVFAMA	H10PVFAMA	H11PVFAMA	H12PVFAMA
100: 1 in HH lt 65	1077	955	1822	1674	1491
110: 1 in HH gt 65	3293	3382	3177	3135	3080
200: 2 in HH lt 65/0 kids	2896	2374	3764	3358	2947
201: 2 in HH lt 65/1 kid	255	185	477	481	420
210: 2 in HH gt 65/0 kids	5829	5901	5491	5330	4903
211: 2 in HH gt 65/1 kid	675	621	630	620	646
300: 3 in HH/0 kids	581	461	994	795	590
301: 3 in HH/1 kids	1518	1346	1858	1741	1641
302: 3 in HH/2 kids	350	323	410	403	425

400: 4 in HH/0 kids	209	163	475	282	201
401: 4 in HH/1 kids	337	295	616	550	453
402: 4 in HH/2 kids	482	393	663	638	619
403: 4 in HH/3 kids	98	82	94	108	102
500: 5 in HH/0 kids	42	35	142	78	56
501: 5 in HH/1 kids	115	88	231	164	144
502: 5 in HH/2 kids	170	137	263	315	275
503: 5 in HH/3 kids	111	99	160	182	119
504: 5 in HH/4 kids	30	25	27	29	32
600: 6 in HH/0 kids	21	14	56	41	32
601: 6 in HH/1 kids	44	36	85	53	42
602: 6 in HH/2 kids	80	90	121	129	135
603: 6 in HH/3 kids	61	44	90	73	90
604: 6 in HH/4 kids	26	23	45	49	39
605: 6 in HH/5 kids	3	5	8	10	15
700: 7 in HH/0 kids	5	1	11	1	4
701: 7 in HH/1 kids	8	8	31	23	11
702: 7 in HH/2 kids	37	30	46	44	50
703: 7 in HH/3 kids	26	14	40	39	31
704: 7 in HH/4 kids	17	11	24	32	25
705: 7 in HH/5 kids	5	5	14	18	12
706: 7 in HH/6 kids		2	1	2	1
800: 8 in HH/0 kids			11	5	2
801: 8 in HH/1 kids	6	2	10	3	6
802: 8 in HH/2 kids	11	10	28	21	7
803: 8 in HH/3 kids	12	14	16	25	22
804: 8 in HH/4 kids	8	4	19	18	16
805: 8 in HH/5 kids		8	7	10	5
806: 8 in HH/6 kids	2		2	3	1
900: 9 in HH/0 kids	2	2	2		
901: 9 in HH/1 kids			2	4	2
902: 9 in HH/2 kids	3	10	15	11	4
903: 9 in HH/3 kids	11	12	14	12	12
904: 9 in HH/4 kids	5	3	18	19	15
905: 9 in HH/5 kids	1	2	15	15	12
906: 9 in HH/6 kids			5	4	2
907: 9 in HH/7 kids	5	1		3	6
908: 9 in HH/8 kids	2	1	4	4	5

Value	H6NHMLIV	H7NHMLIV
0.No one in NHM	17641	19607
1.One of cpl in NHM	128	125
2.Both of cpl in NHM	18	20
3.Single R, in NHM	378	377

Value	H8NHMLIV	H9NHMLIV	H10NHMLIV	H11NHMLIV	H12NHMLIV
0.No one in NHM	17972	16716	21487	20009	18257
1.One of cpl in NHM	118	121	158	133	96
2.Both of cpl in NHM	26	18	35	33	41
3.Single R, in NHM	353	362	354	379	354

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Wealth and Income Imputations" earlier in this document. There are differences across waves in whether unfolding brackets are used to determine a range of income when a continuous amount is not given. In addition, the bracket amounts, entry points, and possible responses to the unfolding bracket questions differ across waves. The order in which income questions are asked also changes across waves. These differences are also discussed in more detail in the "Wealth and Income Imputations" section.

Generally, Wave 1 questions ask about 1991 income, and Wave 2H asks about 1993 income. Wave 2A and from

Wave 3 forward ask about income last calendar year. All questions are based on the Financial Respondent's interview year. Not all interviews are completely conducted in the same year for waves 2A, 3H, 4, and from 5 forward.

The HRS and AHEAD income components are summed to create the income measures requested for these files. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the "RAND Income and Wealth Imputation File."

HRS and AHEAD income measures are reported at the household level. The Financial Respondent reports income for both him/herself and his/her spouse or partner. The Respondent income measures on this file are those of the Financial Respondent, if they are the same individual, and the spouse income measures are those of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse then the Financial Respondent-reported spouse income is assigned as the Respondent income and the Financial Respondent-reported Respondent income is assigned as the spouse income.

How Constructed

The Census definitions for determining poverty status and the methods used to apply them to HRS measures are described in "Determination of Poverty Status for Wave 6+" in the introduction.

The poverty status variables are included from Wave 6 forward. The household income from the last calendar year is compared to the U.S. Census poverty thresholds for the year prior to the interview wave. For example, for Wave 6 (HRS 2002), it is compared to poverty thresholds from 2001 and for Wave 7 (HRS 2004), it is compared to poverty thresholds from 2003. The family composition is derived using household members reported at the time of the interview.

HwINPOV indicates whether household income for the last calendar year is below the poverty threshold, using the U.S. Census definition and poverty thresholds. There are separate income levels for 48 categories of family composition. The number of resident family members, the number under 18 years old, and the age of the household head define family composition. HwPOVFAM provides the family composition used to determine the appropriate income level. HwPOVTHR stores the corresponding Census-given poverty threshold for the appropriate year. HwPOVHHI provides the household income compared to the poverty threshold, and HwINPOVR is the ratio of household income to the poverty threshold. HRS total household income (HwITOT) is adjusted to conform to the Census definition, that is, food stamps are subtracted and the income of other resident family members is added.

The Census (CPS-compatible) definition of resident family includes those away with no other residence who are not institutionalized. For compatibility, non-core resident family members who are away in institutions are not counted, and core HRS Respondents who reside in nursing homes are excluded. If the HRS Respondent lives in a nursing home at the time of the interview then HwINPOV, HwPOVFAM, HwPOVTHR, HwPOVHHI, and HwINPOVR are all set to a special missing value (.I) to indicate that the Census definition of poverty does not apply. If one person in a couple lives in a nursing home, s/he is not counted in determining the family composition, and his/her income is subtracted from the total household income. So HwPOVHHI is equal to the total household income less food stamps plus income of non-core resident family members less earnings, pensions, social security, SSI, and government transfer income of any core HRS nursing home resident. HwNHMLIV summarizes the nursing home residence status of the core HRS household. It is based on RwNHMLIV and SwNHMLIV, documented in the Health section.

We provide another set of these variables that uses the same methods but includes institutionalized family members who are part of the household. HRS Respondents living in a nursing home and non-core family members away in an institution are counted, and their income is included. Using these counts and income, HwINPOVA indicates whether in poverty, HwPVFAMA gives the family composition, HwPVTHRA is the poverty threshold for the family, HwPVHHIA is the total household income, and HwINPVRA is the ratio of household income to the poverty threshold.

HRS Variables Used

```
HRS 2002:
    HQ431_1         HHMEM PERSON NUMBER  -1
    HQ431_10        HHMEM PERSON NUMBER  -10
    HQ431_11        HHMEM PERSON NUMBER  -11
    HQ431_12        HHMEM PERSON NUMBER  -12
    HQ431_13        HHMEM PERSON NUMBER  -12
    HQ431_2         HHMEM PERSON NUMBER  -2
    HQ431_3         HHMEM PERSON NUMBER  -3
    HQ431_4         HHMEM PERSON NUMBER  -4
    HQ431_5         HHMEM PERSON NUMBER  -5
    HQ431_6         HHMEM PERSON NUMBER  -6
    HQ431_7         HHMEM PERSON NUMBER  -7
    HQ431_8         HHMEM PERSON NUMBER  -8
    HQ431_9         HHMEM PERSON NUMBER  -9
    HQ432_1         HHMEM WRKG LCY -1
    HQ432_10        HHMEM WRKG LCY -10
    HQ432_11        HHMEM WRKG LCY -11
    HQ432_12        HHMEM WRKG LCY -12
    HQ432_13        HHMEM WRKG LCY -12
    HQ432_2         HHMEM WRKG LCY -2
    HQ432_3         HHMEM WRKG LCY -3
    HQ432_4         HHMEM WRKG LCY -4
    HQ432_5         HHMEM WRKG LCY -5
    HQ432_6         HHMEM WRKG LCY -6
    HQ432_7         HHMEM WRKG LCY -7
    HQ432_8         HHMEM WRKG LCY -8
    HQ432_9         HHMEM WRKG LCY -9
    HQ433_1         HHMEM EARNED AMOUNT - LCY -1
    HQ433_10        HHMEM EARNED AMOUNT - LCY -10
    HQ433_11        HHMEM EARNED AMOUNT - LCY -11
    HQ433_12        HHMEM EARNED AMOUNT - LCY -12
    HQ433_13        HHMEM EARNED AMOUNT - LCY -12
    HQ433_2         HHMEM EARNED AMOUNT - LCY -2
    HQ433_3         HHMEM EARNED AMOUNT - LCY -3
    HQ433_4         HHMEM EARNED AMOUNT - LCY -4
    HQ433_5         HHMEM EARNED AMOUNT - LCY -5
    HQ433_6         HHMEM EARNED AMOUNT - LCY -6
    HQ433_7         HHMEM EARNED AMOUNT - LCY -7
    HQ433_8         HHMEM EARNED AMOUNT - LCY -8
    HQ433_9         HHMEM EARNED AMOUNT - LCY -9
    HQ434_1         HHMEM EARNED AMT - MIN -1
    HQ434_10        HHMEM EARNED AMT - MIN -10
    HQ434_11        HHMEM EARNED AMT - MIN -11
    HQ434_12        HHMEM EARNED AMT - MIN -12
    HQ434_13        HHMEM EARNED AMT - MIN -12
    HQ434_2         HHMEM EARNED AMT - MIN -2
    HQ434_3         HHMEM EARNED AMT - MIN -3
    HQ434_4         HHMEM EARNED AMT - MIN -4
    HQ434_5         HHMEM EARNED AMT - MIN -5
    HQ434_6         HHMEM EARNED AMT - MIN -6
    HQ434_7         HHMEM EARNED AMT - MIN -7
    HQ434_8         HHMEM EARNED AMT - MIN -8
    HQ434_9         HHMEM EARNED AMT - MIN -9
    HQ435_1         HHMEM EARNED AMT - MAX -1
    HQ435_10        HHMEM EARNED AMT - MAX -10
    HQ435_11        HHMEM EARNED AMT - MAX -11
    HQ435_12        HHMEM EARNED AMT - MAX -12
    HQ435_13        HHMEM EARNED AMT - MAX -12
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    HQ435_2         HHMEM EARNED AMT - MAX -2
    HQ435_3         HHMEM EARNED AMT - MAX -3
    HQ435_4         HHMEM EARNED AMT - MAX -4
    HQ435_5         HHMEM EARNED AMT - MAX -5
    HQ435_6         HHMEM EARNED AMT - MAX -6
    HQ435_7         HHMEM EARNED AMT - MAX -7
    HQ435_8         HHMEM EARNED AMT - MAX -8
    HQ435_9         HHMEM EARNED AMT - MAX -9
    HQ436_1         HHMEM EARNED AMT - RESULT -1
    HQ436_10        HHMEM EARNED AMT - RESULT -10
    HQ436_11        HHMEM EARNED AMT - RESULT -11
    HQ436_12        HHMEM EARNED AMT - RESULT 12
    HQ436_13        HHMEM EARNED AMT - RESULT 12
    HQ436_2         HHMEM EARNED AMT - RESULT -2
    HQ436_3         HHMEM EARNED AMT - RESULT -3
    HQ436_4         HHMEM EARNED AMT - RESULT -4
    HQ436_5         HHMEM EARNED AMT - RESULT -5
    HQ436_6         HHMEM EARNED AMT - RESULT -6
    HQ436_7         HHMEM EARNED AMT - RESULT -7
    HQ436_8         HHMEM EARNED AMT - RESULT -8
    HQ436_9         HHMEM EARNED AMT - RESULT -9
    HQ437           HHMEM NON JOB INCOME RECD AMOUNT
    HQ438           HHMEM NON JOB INC AMT - MIN
    HQ439           HHMEM NON JOB INC AMT - MAX
    HQ440           HHMEM NON JOB INC AMT - RESULT
    HX056_MC        RESIDENCY STATUS-UPDATED
    HX060_MC        SEX OF INDIVIDUAL-UPDATED
    HX061_MC        RELATIONSHIP TO R-UPDATED
    HX063_MC        RELATIONSHIP HHM TO SP - UPDATED
    HX065_MC        COUPLENESS STATUS HHM - UPDATED
    HX067_MC        YEAR BORN-UPDATED
    HX069_MC        RELATION HHM TO HHM - UPDATED
    HX073_MC        YEAR HHM MOVED IN/OUT/DIED-UPDATED
    HZ057_MC        PREV WAVE RESIDENCY STATUS
    OPN             PN OF KID/HHM/SIB AND THEIR SPOUSES
HRS 2004:
    JQ431_1         HHMEM PERSON NUMBER  -1
    JQ431_10        HHMEM PERSON NUMBER  -10
    JQ431_11        HHMEM PERSON NUMBER  -11
    JQ431_12        HHMEM PERSON NUMBER  -12
    JQ431_2         HHMEM PERSON NUMBER  -2
    JQ431_3         HHMEM PERSON NUMBER  -3
    JQ431_4         HHMEM PERSON NUMBER  -4
    JQ431_5         HHMEM PERSON NUMBER  -5
    JQ431_6         HHMEM PERSON NUMBER  -6
    JQ431_7         HHMEM PERSON NUMBER  -7
    JQ431_8         HHMEM PERSON NUMBER  -8
    JQ431_9         HHMEM PERSON NUMBER  -9
    JQ432_1         HHMEM WRKG LCY -1
    JQ432_10        HHMEM WRKG LCY -10
    JQ432_11        HHMEM WRKG LCY -11
    JQ432_12        HHMEM WRKG LCY -12
    JQ432_2         HHMEM WRKG LCY -2
    JQ432_3         HHMEM WRKG LCY -3
    JQ432_4         HHMEM WRKG LCY -4
    JQ432_5         HHMEM WRKG LCY -5
    JQ432_6         HHMEM WRKG LCY -6
    JQ432_7         HHMEM WRKG LCY -7
    JQ432_8         HHMEM WRKG LCY -8
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JQ432_9	HHMEM WRKG LCY -9
JQ433_1	HHMEM EARNED AMOUNT - LCY -1
JQ433_10	HHMEM EARNED AMOUNT - LCY -10
JQ433_11	HHMEM EARNED AMOUNT - LCY -11
JQ433_12	HHMEM EARNED AMOUNT - LCY -12
JQ433_2	HHMEM EARNED AMOUNT - LCY -2
JQ433_3	HHMEM EARNED AMOUNT - LCY -3
JQ433_4	HHMEM EARNED AMOUNT - LCY -4
JQ433_5	HHMEM EARNED AMOUNT - LCY -5
JQ433_6	HHMEM EARNED AMOUNT - LCY -6
JQ433_7	HHMEM EARNED AMOUNT - LCY -7
JQ433_8	HHMEM EARNED AMOUNT - LCY -8
JQ433_9	HHMEM EARNED AMOUNT - LCY -9
JQ434_1	HHMEM EARNED AMT - MIN -1
JQ434_10	HHMEM EARNED AMT - MIN -10
JQ434_11	HHMEM EARNED AMT - MIN -11
JQ434_12	HHMEM EARNED AMT - MIN -12
JQ434_2	HHMEM EARNED AMT - MIN -2
JQ434_3	HHMEM EARNED AMT - MIN -3
JQ434_4	HHMEM EARNED AMT - MIN -4
JQ434_5	HHMEM EARNED AMT - MIN -5
JQ434_6	HHMEM EARNED AMT - MIN -6
JQ434_7	HHMEM EARNED AMT - MIN -7
JQ434_8	HHMEM EARNED AMT - MIN -8
JQ434_9	HHMEM EARNED AMT - MIN -9
JQ435_1	HHMEM EARNED AMT - MAX -1
JQ435_10	HHMEM EARNED AMT - MAX -10
JQ435_11	HHMEM EARNED AMT - MAX -11
JQ435_12	HHMEM EARNED AMT - MAX -12
JQ435_2	HHMEM EARNED AMT - MAX -2
JQ435_3	HHMEM EARNED AMT - MAX -3
JQ435_4	HHMEM EARNED AMT - MAX -4
JQ435_5	HHMEM EARNED AMT - MAX -5
JQ435_6	HHMEM EARNED AMT - MAX -6
JQ435_7	HHMEM EARNED AMT - MAX -7
JQ435_8	HHMEM EARNED AMT - MAX -8
JQ435_9	HHMEM EARNED AMT - MAX -9
JQ436_1	HHMEM EARNED AMT - RESULT -1
JQ436_10	HHMEM EARNED AMT - RESULT -10
JQ436_11	HHMEM EARNED AMT - RESULT -11
JQ436_12	HHMEM EARNED AMT - RESULT 12
JQ436_2	HHMEM EARNED AMT - RESULT -2
JQ436_3	HHMEM EARNED AMT - RESULT -3
JQ436_4	HHMEM EARNED AMT - RESULT -4
JQ436_5	HHMEM EARNED AMT - RESULT -5
JQ436_6	HHMEM EARNED AMT - RESULT -6
JQ436_7	HHMEM EARNED AMT - RESULT -7
JQ436_8	HHMEM EARNED AMT - RESULT -8
JQ436_9	HHMEM EARNED AMT - RESULT -9
JQ437	HHMEM NON JOB INCOME RECD AMOUNT
JQ438	HHMEM NON JOB INC AMT - MIN
JQ439	HHMEM NON JOB INC AMT - MAX
JQ440	HHMEM NON JOB INC AMT - RESULT
JX056_MC	RESIDENCY STATUS-UPDATED
JX060_MC	SEX OF INDIVIDUAL-UPDATED - MC
JX061_MC	RELATIONSHIP TO R-UPDATED
JX063_MC	RELATIONSHIP HHM TO SP - UPDATED
JX065_MC	COUPLENESS STATUS HHM - UPDATED
JX067_MC	YEAR BORN-UPDATED - MC

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    JX069_MC        RELATION HHM TO HHM - UPDATED
    JX073_MC        YEAR HHM MOVED IN/OUT/DIED-UPDATED
    JZ057_MC        PREV WAVE RESIDENCY STATUS
    OPN             PN OF KID/HHM/SIB AND THEIR SPOUSES
HRS 2006:
    KQ431_1         HHMEM PERSON NUMBER  -1
    KQ431_10        HHMEM PERSON NUMBER  -10
    KQ431_11        HHMEM PERSON NUMBER  -11
    KQ431_12        HHMEM PERSON NUMBER  -12
    KQ431_2         HHMEM PERSON NUMBER  -2
    KQ431_3         HHMEM PERSON NUMBER  -3
    KQ431_4         HHMEM PERSON NUMBER  -4
    KQ431_5         HHMEM PERSON NUMBER  -5
    KQ431_6         HHMEM PERSON NUMBER  -6
    KQ431_7         HHMEM PERSON NUMBER  -7
    KQ431_8         HHMEM PERSON NUMBER  -8
    KQ431_9         HHMEM PERSON NUMBER  -9
    KQ432_1         HHMEM WRKG LCY -1
    KQ432_10        HHMEM WRKG LCY -10
    KQ432_11        HHMEM WRKG LCY -11
    KQ432_12        HHMEM WRKG LCY -12
    KQ432_2         HHMEM WRKG LCY -2
    KQ432_3         HHMEM WRKG LCY -3
    KQ432_4         HHMEM WRKG LCY -4
    KQ432_5         HHMEM WRKG LCY -5
    KQ432_6         HHMEM WRKG LCY -6
    KQ432_7         HHMEM WRKG LCY -7
    KQ432_8         HHMEM WRKG LCY -8
    KQ432_9         HHMEM WRKG LCY -9
    KQ433_1         HHMEM EARNED AMOUNT - LCY -1
    KQ433_10        HHMEM EARNED AMOUNT - LCY -10
    KQ433_11        HHMEM EARNED AMOUNT - LCY -11
    KQ433_12        HHMEM EARNED AMOUNT - LCY -12
    KQ433_2         HHMEM EARNED AMOUNT - LCY -2
    KQ433_3         HHMEM EARNED AMOUNT - LCY -3
    KQ433_4         HHMEM EARNED AMOUNT - LCY -4
    KQ433_5         HHMEM EARNED AMOUNT - LCY -5
    KQ433_6         HHMEM EARNED AMOUNT - LCY -6
    KQ433_7         HHMEM EARNED AMOUNT - LCY -7
    KQ433_8         HHMEM EARNED AMOUNT - LCY -8
    KQ433_9         HHMEM EARNED AMOUNT - LCY -9
    KQ434_1         HHMEM EARNED AMT - MIN -1
    KQ434_10        HHMEM EARNED AMT - MIN -10
    KQ434_11        HHMEM EARNED AMT - MIN -11
    KQ434_12        HHMEM EARNED AMT - MIN -12
    KQ434_2         HHMEM EARNED AMT - MIN -2
    KQ434_3         HHMEM EARNED AMT - MIN -3
    KQ434_4         HHMEM EARNED AMT - MIN -4
    KQ434_5         HHMEM EARNED AMT - MIN -5
    KQ434_6         HHMEM EARNED AMT - MIN -6
    KQ434_7         HHMEM EARNED AMT - MIN -7
    KQ434_8         HHMEM EARNED AMT - MIN -8
    KQ434_9         HHMEM EARNED AMT - MIN -9
    KQ435_1         HHMEM EARNED AMT - MAX -1
    KQ435_10        HHMEM EARNED AMT - MAX -10
    KQ435_11        HHMEM EARNED AMT - MAX -11
    KQ435_12        HHMEM EARNED AMT - MAX -12
    KQ435_2         HHMEM EARNED AMT - MAX -2
    KQ435_3         HHMEM EARNED AMT - MAX -3
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    KQ435_4         HHMEM EARNED AMT - MAX -4
    KQ435_5         HHMEM EARNED AMT - MAX -5
    KQ435_6         HHMEM EARNED AMT - MAX -6
    KQ435_7         HHMEM EARNED AMT - MAX -7
    KQ435_8         HHMEM EARNED AMT - MAX -8
    KQ435_9         HHMEM EARNED AMT - MAX -9
    KQ436_1         HHMEM EARNED AMT - RESULT -1
    KQ436_10        HHMEM EARNED AMT - RESULT -10
    KQ436_11        HHMEM EARNED AMT - RESULT -11
    KQ436_12        HHMEM EARNED AMT - RESULT 12
    KQ436_2         HHMEM EARNED AMT - RESULT -2
    KQ436_3         HHMEM EARNED AMT - RESULT -3
    KQ436_4         HHMEM EARNED AMT - RESULT -4
    KQ436_5         HHMEM EARNED AMT - RESULT -5
    KQ436_6         HHMEM EARNED AMT - RESULT -6
    KQ436_7         HHMEM EARNED AMT - RESULT -7
    KQ436_8         HHMEM EARNED AMT - RESULT -8
    KQ436_9         HHMEM EARNED AMT - RESULT -9
    KQ437           HHMEM NON JOB INCOME RECD AMOUNT
    KQ438           HHMEM NON JOB INC AMT - MIN
    KQ439           HHMEM NON JOB INC AMT - MAX
    KQ440           HHMEM NON JOB INC AMT - RESULT
    KX056_MC        RESIDENCY STATUS-UPDATED
    KX060_MC        SEX OF INDIVIDUAL-UPDATED - MC
    KX061_MC        RELATIONSHIP TO R-UPDATED
    KX063_MC        RELATIONSHIP HHM TO SP - UPDATED
    KX065_MC        COUPLENESS STATUS HHM - UPDATED
    KX067_MC        YEAR BORN-UPDATED - MC
    KX069_MC        RELATION HHM TO HHM - UPDATED
    KX073_MC        YEAR HHM MOVED IN/OUT/DIED-UPDATED
    KZ057_MC        PREV WAVE RESIDENCY STATUS
    OPN             PN OF KID/HHM/SIB AND THEIR SPOUSES
HRS 2008:
    LQ431_1         HHMEM PERSON NUMBER  -1
    LQ431_10        HHMEM PERSON NUMBER  -10
    LQ431_11        HHMEM PERSON NUMBER  -11
    LQ431_12        HHMEM PERSON NUMBER  -12
    LQ431_2         HHMEM PERSON NUMBER  -2
    LQ431_3         HHMEM PERSON NUMBER  -3
    LQ431_4         HHMEM PERSON NUMBER  -4
    LQ431_5         HHMEM PERSON NUMBER  -5
    LQ431_6         HHMEM PERSON NUMBER  -6
    LQ431_7         HHMEM PERSON NUMBER  -7
    LQ431_8         HHMEM PERSON NUMBER  -8
    LQ431_9         HHMEM PERSON NUMBER  -9
    LQ432_1         HHMEM WRKG LCY -1
    LQ432_10        HHMEM WRKG LCY -10
    LQ432_11        HHMEM WRKG LCY -11
    LQ432_12        HHMEM WRKG LCY -12
    LQ432_2         HHMEM WRKG LCY -2
    LQ432_3         HHMEM WRKG LCY -3
    LQ432_4         HHMEM WRKG LCY -4
    LQ432_5         HHMEM WRKG LCY -5
    LQ432_6         HHMEM WRKG LCY -6
    LQ432_7         HHMEM WRKG LCY -7
    LQ432_8         HHMEM WRKG LCY -8
    LQ432_9         HHMEM WRKG LCY -9
    LQ433_1         HHMEM EARNED AMOUNT - LCY -1
    LQ433_10        HHMEM EARNED AMOUNT - LCY -10
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LQ433_11	HHMEM EARNED AMOUNT - LCY -11
LQ433_12	HHMEM EARNED AMOUNT - LCY -12
LQ433_2	HHMEM EARNED AMOUNT - LCY -2
LQ433_3	HHMEM EARNED AMOUNT - LCY -3
LQ433_4	HHMEM EARNED AMOUNT - LCY -4
LQ433_5	HHMEM EARNED AMOUNT - LCY -5
LQ433_6	HHMEM EARNED AMOUNT - LCY -6
LQ433_7	HHMEM EARNED AMOUNT - LCY -7
LQ433_8	HHMEM EARNED AMOUNT - LCY -8
LQ433_9	HHMEM EARNED AMOUNT - LCY -9
LQ434_1	HHMEM EARNED AMT - MIN -1
LQ434_10	HHMEM EARNED AMT - MIN -10
LQ434_11	HHMEM EARNED AMT - MIN -11
LQ434_12	HHMEM EARNED AMT - MIN -12
LQ434_2	HHMEM EARNED AMT - MIN -2
LQ434_3	HHMEM EARNED AMT - MIN -3
LQ434_4	HHMEM EARNED AMT - MIN -4
LQ434_5	HHMEM EARNED AMT - MIN -5
LQ434_6	HHMEM EARNED AMT - MIN -6
LQ434_7	HHMEM EARNED AMT - MIN -7
LQ434_8	HHMEM EARNED AMT - MIN -8
LQ434_9	HHMEM EARNED AMT - MIN -9
LQ435_1	HHMEM EARNED AMT - MAX -1
LQ435_10	HHMEM EARNED AMT - MAX -10
LQ435_11	HHMEM EARNED AMT - MAX -11
LQ435_12	HHMEM EARNED AMT - MAX -12
LQ435_2	HHMEM EARNED AMT - MAX -2
LQ435_3	HHMEM EARNED AMT - MAX -3
LQ435_4	HHMEM EARNED AMT - MAX -4
LQ435_5	HHMEM EARNED AMT - MAX -5
LQ435_6	HHMEM EARNED AMT - MAX -6
LQ435_7	HHMEM EARNED AMT - MAX -7
LQ435_8	HHMEM EARNED AMT - MAX -8
LQ435_9	HHMEM EARNED AMT - MAX -9
LQ436_1	HHMEM EARNED AMT - RESULT -1
LQ436_10	HHMEM EARNED AMT - RESULT -10
LQ436_11	HHMEM EARNED AMT - RESULT -11
LQ436_12	HHMEM EARNED AMT - RESULT 12
LQ436_2	HHMEM EARNED AMT - RESULT -2
LQ436_3	HHMEM EARNED AMT - RESULT -3
LQ436_4	HHMEM EARNED AMT - RESULT -4
LQ436_5	HHMEM EARNED AMT - RESULT -5
LQ436_6	HHMEM EARNED AMT - RESULT -6
LQ436_7	HHMEM EARNED AMT - RESULT -7
LQ436_8	HHMEM EARNED AMT - RESULT -8
LQ436_9	HHMEM EARNED AMT - RESULT -9
LQ437	HHMEM NON JOB INCOME RECD AMOUNT
LQ438	HHMEM NON JOB INC AMT - MIN
LQ439	HHMEM NON JOB INC AMT - MAX
LQ440	HHMEM NON JOB INC AMT - RESULT
LX056_MC	RESIDENCY STATUS-UPDATED
LX060_MC	SEX OF INDIVIDUAL-UPDATED - MC
LX061_MC	RELATIONSHIP TO R-UPDATED
LX063_MC	RELATIONSHIP HHM TO SP - UPDATED
LX065_MC	COUPLENESS STATUS HHM - UPDATED
LX067_MC	YEAR BORN-UPDATED - MC
LX069_MC	RELATION HHM TO HHM - UPDATED
LX073_MC	YEAR HHM MOVED IN/OUT/DIED-UPDATED
LZ057_MC	PREV WAVE RESIDENCY STATUS

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    OPN             PN OF KID/HHM/SIB AND THEIR SPOUSES
HRS 2010:
    MQ431_1         HHMEM PERSON NUMBER  -1
    MQ431_10        HHMEM PERSON NUMBER  -10
    MQ431_11        HHMEM PERSON NUMBER  -11
    MQ431_12        HHMEM PERSON NUMBER  -12
    MQ431_2         HHMEM PERSON NUMBER  -2
    MQ431_3         HHMEM PERSON NUMBER  -3
    MQ431_4         HHMEM PERSON NUMBER  -4
    MQ431_5         HHMEM PERSON NUMBER  -5
    MQ431_6         HHMEM PERSON NUMBER  -6
    MQ431_7         HHMEM PERSON NUMBER  -7
    MQ431_8         HHMEM PERSON NUMBER  -8
    MQ431_9         HHMEM PERSON NUMBER  -9
    MQ432_1         HHMEM WRKG LCY -1
    MQ432_10        HHMEM WRKG LCY -10
    MQ432_11        HHMEM WRKG LCY -11
    MQ432_12        HHMEM WRKG LCY -12
    MQ432_2         HHMEM WRKG LCY -2
    MQ432_3         HHMEM WRKG LCY -3
    MQ432_4         HHMEM WRKG LCY -4
    MQ432_5         HHMEM WRKG LCY -5
    MQ432_6         HHMEM WRKG LCY -6
    MQ432_7         HHMEM WRKG LCY -7
    MQ432_8         HHMEM WRKG LCY -8
    MQ432_9         HHMEM WRKG LCY -9
    MQ433_1         HHMEM EARNED AMOUNT - LCY -1
    MQ433_10        HHMEM EARNED AMOUNT - LCY -10
    MQ433_11        HHMEM EARNED AMOUNT - LCY -11
    MQ433_12        HHMEM EARNED AMOUNT - LCY -12
    MQ433_2         HHMEM EARNED AMOUNT - LCY -2
    MQ433_3         HHMEM EARNED AMOUNT - LCY -3
    MQ433_4         HHMEM EARNED AMOUNT - LCY -4
    MQ433_5         HHMEM EARNED AMOUNT - LCY -5
    MQ433_6         HHMEM EARNED AMOUNT - LCY -6
    MQ433_7         HHMEM EARNED AMOUNT - LCY -7
    MQ433_8         HHMEM EARNED AMOUNT - LCY -8
    MQ433_9         HHMEM EARNED AMOUNT - LCY -9
    MQ434_1         HHMEM EARNED AMT - MIN -1
    MQ434_10        HHMEM EARNED AMT - MIN -10
    MQ434_11        HHMEM EARNED AMT - MIN -11
    MQ434_12        HHMEM EARNED AMT - MIN -12
    MQ434_2         HHMEM EARNED AMT - MIN -2
    MQ434_3         HHMEM EARNED AMT - MIN -3
    MQ434_4         HHMEM EARNED AMT - MIN -4
    MQ434_5         HHMEM EARNED AMT - MIN -5
    MQ434_6         HHMEM EARNED AMT - MIN -6
    MQ434_7         HHMEM EARNED AMT - MIN -7
    MQ434_8         HHMEM EARNED AMT - MIN -8
    MQ434_9         HHMEM EARNED AMT - MIN -9
    MQ435_1         HHMEM EARNED AMT - MAX -1
    MQ435_10        HHMEM EARNED AMT - MAX -10
    MQ435_11        HHMEM EARNED AMT - MAX -11
    MQ435_12        HHMEM EARNED AMT - MAX -12
    MQ435_2         HHMEM EARNED AMT - MAX -2
    MQ435_3         HHMEM EARNED AMT - MAX -3
    MQ435_4         HHMEM EARNED AMT - MAX -4
    MQ435_5         HHMEM EARNED AMT - MAX -5
    MQ435_6         HHMEM EARNED AMT - MAX -6
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    MQ435_7         HHMEM EARNED AMT - MAX -7
    MQ435_8         HHMEM EARNED AMT - MAX -8
    MQ435_9         HHMEM EARNED AMT - MAX -9
    MQ436_1         HHMEM EARNED AMT - RESULT -1
    MQ436_10        HHMEM EARNED AMT - RESULT -10
    MQ436_11        HHMEM EARNED AMT - RESULT -11
    MQ436_12        HHMEM EARNED AMT - RESULT 12
    MQ436_2         HHMEM EARNED AMT - RESULT -2
    MQ436_3         HHMEM EARNED AMT - RESULT -3
    MQ436_4         HHMEM EARNED AMT - RESULT -4
    MQ436_5         HHMEM EARNED AMT - RESULT -5
    MQ436_6         HHMEM EARNED AMT - RESULT -6
    MQ436_7         HHMEM EARNED AMT - RESULT -7
    MQ436_8         HHMEM EARNED AMT - RESULT -8
    MQ436_9         HHMEM EARNED AMT - RESULT -9
    MQ437           HHMEM NON JOB INCOME RECD AMOUNT
    MQ438           HHMEM NON JOB INC AMT - MIN
    MQ439           HHMEM NON JOB INC AMT - MAX
    MQ440           HHMEM NON JOB INC AMT - RESULT
    MX056_MC        RESIDENCY STATUS-UPDATED
    MX057_MC        PREV WAVE RESIDENCY STATUS
    MX060_MC        SEX OF INDIVIDUAL-UPDATED - MC
    MX061_MC        RELATIONSHIP TO R-UPDATED
    MX063_MC        RELATIONSHIP HHM TO SP - UPDATED
    MX065_MC        COUPLENESS STATUS HHM - UPDATED
    MX067_MC        YEAR BORN-UPDATED - MC
    MX069_MC        RELATION HHM TO HHM - UPDATED
    MX073_MC        YEAR HHM MOVED IN/OUT/DIED-UPDATED
    OPN             PN OF KID/HHM/SIB AND THEIR SPOUSES
HRS 2012:
    NQ431_1         HHMEM PERSON NUMBER  -1
    NQ431_10        HHMEM PERSON NUMBER  -10
    NQ431_11        HHMEM PERSON NUMBER  -11
    NQ431_12        HHMEM PERSON NUMBER  -12
    NQ431_2         HHMEM PERSON NUMBER  -2
    NQ431_3         HHMEM PERSON NUMBER  -3
    NQ431_4         HHMEM PERSON NUMBER  -4
    NQ431_5         HHMEM PERSON NUMBER  -5
    NQ431_6         HHMEM PERSON NUMBER  -6
    NQ431_7         HHMEM PERSON NUMBER  -7
    NQ431_8         HHMEM PERSON NUMBER  -8
    NQ431_9         HHMEM PERSON NUMBER  -9
    NQ432_1         HHMEM WRKG LCY -1
    NQ432_10        HHMEM WRKG LCY -10
    NQ432_11        HHMEM WRKG LCY -11
    NQ432_12        HHMEM WRKG LCY -12
    NQ432_2         HHMEM WRKG LCY -2
    NQ432_3         HHMEM WRKG LCY -3
    NQ432_4         HHMEM WRKG LCY -4
    NQ432_5         HHMEM WRKG LCY -5
    NQ432_6         HHMEM WRKG LCY -6
    NQ432_7         HHMEM WRKG LCY -7
    NQ432_8         HHMEM WRKG LCY -8
    NQ432_9         HHMEM WRKG LCY -9
    NQ433_1         HHMEM EARNED AMOUNT - LCY -1
    NQ433_10        HHMEM EARNED AMOUNT - LCY -10
    NQ433_11        HHMEM EARNED AMOUNT - LCY -11
    NQ433_12        HHMEM EARNED AMOUNT - LCY -12
    NQ433_2         HHMEM EARNED AMOUNT - LCY -2
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    NQ433_3         HHMEM EARNED AMOUNT - LCY -3
    NQ433_4         HHMEM EARNED AMOUNT - LCY -4
    NQ433_5         HHMEM EARNED AMOUNT - LCY -5
    NQ433_6         HHMEM EARNED AMOUNT - LCY -6
    NQ433_7         HHMEM EARNED AMOUNT - LCY -7
    NQ433_8         HHMEM EARNED AMOUNT - LCY -8
    NQ433_9         HHMEM EARNED AMOUNT - LCY -9
    NQ434_1         HHMEM EARNED AMT - MIN -1
    NQ434_10        HHMEM EARNED AMT - MIN -10
    NQ434_11        HHMEM EARNED AMT - MIN -11
    NQ434_12        HHMEM EARNED AMT - MIN -12
    NQ434_2         HHMEM EARNED AMT - MIN -2
    NQ434_3         HHMEM EARNED AMT - MIN -3
    NQ434_4         HHMEM EARNED AMT - MIN -4
    NQ434_5         HHMEM EARNED AMT - MIN -5
    NQ434_6         HHMEM EARNED AMT - MIN -6
    NQ434_7         HHMEM EARNED AMT - MIN -7
    NQ434_8         HHMEM EARNED AMT - MIN -8
    NQ434_9         HHMEM EARNED AMT - MIN -9
    NQ435_1         HHMEM EARNED AMT - MAX -1
    NQ435_10        HHMEM EARNED AMT - MAX -10
    NQ435_11        HHMEM EARNED AMT - MAX -11
    NQ435_12        HHMEM EARNED AMT - MAX -12
    NQ435_2         HHMEM EARNED AMT - MAX -2
    NQ435_3         HHMEM EARNED AMT - MAX -3
    NQ435_4         HHMEM EARNED AMT - MAX -4
    NQ435_5         HHMEM EARNED AMT - MAX -5
    NQ435_6         HHMEM EARNED AMT - MAX -6
    NQ435_7         HHMEM EARNED AMT - MAX -7
    NQ435_8         HHMEM EARNED AMT - MAX -8
    NQ435_9         HHMEM EARNED AMT - MAX -9
    NQ436_1         HHMEM EARNED AMT - RESULT -1
    NQ436_10        HHMEM EARNED AMT - RESULT -10
    NQ436_11        HHMEM EARNED AMT - RESULT -11
    NQ436_12        HHMEM EARNED AMT - RESULT 12
    NQ436_2         HHMEM EARNED AMT - RESULT -2
    NQ436_3         HHMEM EARNED AMT - RESULT -3
    NQ436_4         HHMEM EARNED AMT - RESULT -4
    NQ436_5         HHMEM EARNED AMT - RESULT -5
    NQ436_6         HHMEM EARNED AMT - RESULT -6
    NQ436_7         HHMEM EARNED AMT - RESULT -7
    NQ436_8         HHMEM EARNED AMT - RESULT -8
    NQ436_9         HHMEM EARNED AMT - RESULT -9
    NQ437           HHMEM NON JOB INCOME RECD AMOUNT
    NQ438           HHMEM NON JOB INC AMT - MIN
    NQ439           HHMEM NON JOB INC AMT - MAX
    NQ440           HHMEM NON JOB INC AMT - RESULT
    NX056_MC        RESIDENCY STATUS-UPDATED
    NX057_MC        PREV WAVE RESIDENCY STATUS
    NX060_MC        SEX OF INDIVIDUAL-UPDATED - MC
    NX061_MC        RELATIONSHIP TO R-UPDATED
    NX063_MC        RELATIONSHIP HHM TO SP - UPDATED
    NX065_MC        COUPLENESS STATUS HHM - UPDATED
    NX067_MC        YEAR BORN-UPDATED - MC
    NX069_MC        RELATION HHM TO HHM - UPDATED
    NX073_MC        YEAR HHM MOVED IN/OUT/DIED-UPDATED
    OPN             PN OF KID/HHM/SIB AND THEIR SPOUSES
HRS 2014:
    OPN             PN OF KID/HHM/SIB AND THEIR SPOUSES
```

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OQ431_1         HHMEM PERSON NUMBER  -1
OQ431_10        HHMEM PERSON NUMBER  -10
OQ431_2         HHMEM PERSON NUMBER  -2
OQ431_3         HHMEM PERSON NUMBER  -3
OQ431_4         HHMEM PERSON NUMBER  -4
OQ431_5         HHMEM PERSON NUMBER  -5
OQ431_6         HHMEM PERSON NUMBER  -6
OQ431_7         HHMEM PERSON NUMBER  -7
OQ431_8         HHMEM PERSON NUMBER  -8
OQ431_9         HHMEM PERSON NUMBER  -9
OQ432_1         HHMEM WRKG LCY -1
OQ432_10        HHMEM WRKG LCY -10
OQ432_2         HHMEM WRKG LCY -2
OQ432_3         HHMEM WRKG LCY -3
OQ432_4         HHMEM WRKG LCY -4
OQ432_5         HHMEM WRKG LCY -5
OQ432_6         HHMEM WRKG LCY -6
OQ432_7         HHMEM WRKG LCY -7
OQ432_8         HHMEM WRKG LCY -8
OQ432_9         HHMEM WRKG LCY -9
OQ433_1         HHMEM EARNED AMOUNT - LCY -1
OQ433_10        HHMEM EARNED AMOUNT - LCY -10
OQ433_2         HHMEM EARNED AMOUNT - LCY -2
OQ433_3         HHMEM EARNED AMOUNT - LCY -3
OQ433_4         HHMEM EARNED AMOUNT - LCY -4
OQ433_5         HHMEM EARNED AMOUNT - LCY -5
OQ433_6         HHMEM EARNED AMOUNT - LCY -6
OQ433_7         HHMEM EARNED AMOUNT - LCY -7
OQ433_8         HHMEM EARNED AMOUNT - LCY -8
OQ433_9         HHMEM EARNED AMOUNT - LCY -9
OQ434_1         HHMEM EARNED AMT - MIN -1
OQ434_10        HHMEM EARNED AMT - MIN -10
OQ434_2         HHMEM EARNED AMT - MIN -2
OQ434_3         HHMEM EARNED AMT - MIN -3
OQ434_4         HHMEM EARNED AMT - MIN -4
OQ434_5         HHMEM EARNED AMT - MIN -5
OQ434_6         HHMEM EARNED AMT - MIN -6
OQ434_7         HHMEM EARNED AMT - MIN -7
OQ434_8         HHMEM EARNED AMT - MIN -8
OQ434_9         HHMEM EARNED AMT - MIN -9
OQ435_1         HHMEM EARNED AMT - MAX -1
OQ435_10        HHMEM EARNED AMT - MAX -10
OQ435_2         HHMEM EARNED AMT - MAX -2
OQ435_3         HHMEM EARNED AMT - MAX -3
OQ435_4         HHMEM EARNED AMT - MAX -4
OQ435_5         HHMEM EARNED AMT - MAX -5
OQ435_6         HHMEM EARNED AMT - MAX -6
OQ435_7         HHMEM EARNED AMT - MAX -7
OQ435_8         HHMEM EARNED AMT - MAX -8
OQ435_9         HHMEM EARNED AMT - MAX -9
OQ436_1         HHMEM EARNED AMT - RESULT -1
OQ436_10        HHMEM EARNED AMT - RESULT -10
OQ436_2         HHMEM EARNED AMT - RESULT -2
OQ436_3         HHMEM EARNED AMT - RESULT -3
OQ436_4         HHMEM EARNED AMT - RESULT -4
OQ436_5         HHMEM EARNED AMT - RESULT -5
OQ436_6         HHMEM EARNED AMT - RESULT -6
OQ436_7         HHMEM EARNED AMT - RESULT -7
OQ436_8         HHMEM EARNED AMT - RESULT -8
```

OQ436_9	HHMEM EARNED AMT - RESULT -9
OQ437	HHMEM NON JOB INCOME RECD AMOUNT
OQ438	HHMEM NON JOB INC AMT - MIN
OQ439	HHMEM NON JOB INC AMT - MAX
OQ440	HHMEM NON JOB INC AMT - RESULT
OX056_MC	RESIDENCY STATUS-UPDATED
OX057_MC	PREV WAVE RESIDENCY STATUS
OX060_MC	SEX OF INDIVIDUAL-UPDATED - MC
OX061_MC	RELATIONSHIP TO R-UPDATED
OX063_MC	RELATIONSHIP HHM TO SP - UPDATED
OX065_MC	COUPLENESS STATUS HHM - UPDATED
OX067_MC	YEAR BORN-UPDATED - MC
OX069_MC	RELATION HHM TO HHM - UPDATED
OX073_MC	YEAR HHM MOVED IN/OUT/DIED-UPDATED

Section E: Social Security

Receives Social Security in any wave

Wave	Variable	Label	Type
1	RASSRECV	RASSRECV: R Receives SocSec	Categ
1	SASSRECV	SASSRECV: Any Spouse Receives SocSec	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RASSRECV	37495	0.71	0.45	0.0	1.0
SASSRECV	28056	0.64	0.48	0.0	1.0

Categorical Variable Codes

Value	RASSRECV
0.No	10820
1.Yes	26675

Value	SASSRECV
.U=Unmarried	9439
0.No	10077
1.Yes	17979

How Constructed

RASSRECV is derived by looking at all waves of data. If the Respondent receives Social Security (OASDI) at any wave, RASSRECV is set to "yes" (=1).

SASSRECV is derived by looking at all waves of data. If any of the Respondent's spouses receives Social Security at any wave, SASSRECV is set to "yes" (=1). If the Respondent is not in a couple household in any wave, and never reports a spouse receiving Social Security, SASSRECV is set to SAS special missing value .U for unmarried.

Social Security income measures are reported at the household level at all waves. The Financial Respondent reports income for both him/herself and his/her spouse or partner. Through Wave 5, Social Security income is taken from a variable with codes for Financial Respondent only, Financial Respondent's spouse only, or both. If both the Financial Respondent and the Financial Respondent's spouse receive it, then both RASSRECV and SASSRECV are set to yes. If the Respondent is the Financial Respondent, then the code for Financial Respondent only sets RASSRECV to yes and the code for Financial Respondent's spouse only sets SASSRECV to yes. If the Respondent is the Financial Respondent's spouse, then the code for Financial Respondent only sets SASSRECV to yes, and the code for Financial Respondent's spouse only sets RASSRECV to yes.

From Wave 6 onward, all Respondents are asked whether they receive Social Security in the employment section. In addition, the Financial Respondent is asked if his/her spouse receives Social Security in the income section. For the Financial Respondent there is only one source for this information, from the employment section. The self-report of the Financial Respondent's spouse is used first in deriving this variable, but if it is missing, or if the spouse did not respond, the Financial Respondent's report from the income section is used.

Cross Wave Differences in Original HRS Data

The Financial Respondent (FinR) answers all income questions for the household. Up through Wave 5, the Financial Respondent is asked if either he/she or his/her spouse or partner receives Social Security income, and if so, who.

In Wave 1 and 2A, the raw data provide one variable that combines the answers to these 2 questions. In Wave 3A, the question is asked separately for the Financial Respondent and spouse. In Waves 2H, 3H, 4, and 5, the raw data contain the answers to both questions as two separate variables.

From Wave 6 onward, a question in the employment section is asked of all Respondents as to whether they receive Social Security or not. In the income section, the Financial Respondent's response is carried from the employment section, and the Financial Respondent is then asked if the spouse receives any Social Security income. So there are two possible sources for whether the spouse of the Financial Respondent receives Social Security income: the Financial Respondent's report in the income section and the spouse's own response in the employment section.

HRS Variables Used

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HRS 1992:
    VR6000          VR6000: Who receives SocSec/ Self
AHEAD 1993:
    BR1376          J1.SS:RECEIVE ANY/Self
HRS 1994:
    W6253           N23.SOCIAL SECURITY?
    W6254           N23a.WHO RECEIVED SOCIAL
AHEAD 1995:
    DP3875          J1/5.RECEIVE SOC SEC / SP-P
    DR3875          J1/5.RECEIVE SOC SEC / R
HRS 1996:
    E3983           J45.SOC SEC INCOME
    ER3984          J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 1998:
    F4743           J45.SOC SEC INCOME
    FR4744          J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 2000:
    G5182           J45.SOC SEC INCOME
    GR5185          J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 2002:
    HJ478           CURRENTLY RECV SOC SEC INCOME
    HQR106          WHO RECEIVED INC FROM SSI LAST MONTH/Sel
HRS 2004:
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    JJ478           CURRENTLY RECV SOC SEC INCOME
    JQ106           WHO RECEIVED INC FROM SSI LAST MONTH
HRS 2006:
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    KJ478           CURRENTLY RECV SOC SEC INCOME
    KQ106           WHO RECEIVED INC FROM SSI LAST MONTH
HRS 2008:
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
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    LJ478           CURRENTLY RECV SOC SEC INCOME
    LQ106           WHO RECEIVED INC FROM SSI LAST MONTH
HRS 2010:
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    MJ478           CURRENTLY RECV SOC SEC INCOME
    MQ106           WHO RECEIVED INC FROM SSI LAST MONTH
HRS 2012:
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    NJ478           CURRENTLY RECV SOC SEC INCOME
    NQ106           WHO RECEIVED INC FROM SSI LAST MONTH
HRS 2014:
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
    OJ478           CURRENTLY RECV SOC SEC INCOME
    OQ106           WHO RECEIVED INC FROM SSI LAST MONTH
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    EFINR           1996 WHETHER FINANCIAL RESPONDENT
    FFINR           1998 WHETHER FINANCIAL RESPONDENT
    GFINR           2000 WHETHER FINANCIAL RESPONDENT
    HFINR           2002 WHETHER FINANCIAL RESPONDENT
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
```

Age when started to receive Social Security

Wave	Variable	Label	Type
1	RASSAGEM	RASSAGEM: Age/months R Start Rec. SocSec	Cont
1	SASSAGEM	SASSAGEM: Age/mnths Sp Start Rec. SocSec	Cont
1	RASSAGEB	RASSAGEB: Age R Start Rec. SocSec	Cont
1	SASSAGEB	SASSAGEB: Age Sp Start Rec. SocSec	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RASSAGEM	17208	728.38	79.88	1.0	1112.0
SASSAGEM	11750	736.25	70.67	1.0	1081.0
RASSAGEB	17208	60.71	6.66	0.1	92.7
SASSAGEB	11750	61.37	5.89	0.1	90.1

How Constructed

RASSAGEB is the age in years and RASSAGEM is the age in months when the Respondent starts to receive Social Security income.

SASSAGEB is the age in years and SASSAGEM is the age in months when the Respondent's spouse or partner starts to receive Social Security income. If the Respondent has more than one spouse, then we look at the first time any spouse is reported to receive Social Security income. SASSAGEB is derived as the age of this spouse at the starting month given at that interview.

If the Respondent is not in a couple household in any wave, and never reports a spouse receiving Social Security, SASSAGEB and SASSAGEM are both set to SAS special missing value .U for unmarried.

The month the Respondent or spouse starts to receive Social Security is taken from the first interview at which he/she is reported to receive it. The Respondent or spouse's age is derived from this month and the appropriate birth date. The age in months is first calculated, and the age in years is calculated as the age in months divided by 12 and rounded to 1 decimal place.

If the year when Social Security is first received is given but the month is missing, then the month used to calculate age is the month after the individual's birthday, except for those born in December, in which case December is used.

In Waves 2A and 3A, there is no specific month or year if the Respondent or his/her spouse first received Social Security more than two years prior. Further, there are cases where the two-year question was also skipped. For these cases, if a start month was given at a later wave and provides a date that precedes the W2A interview, or the two years prior if the Respondent started receiving more than two years previously, then the given start month was used in deriving this variable. Otherwise, the start month and year for cases where receipt began more than two years before are set to .T. For cases where

the two-year question is missing, the start month and year are set to .M.

Social Security income measures are reported at the household level at all waves. The Financial Respondent reports the month Social Security started for both him/herself and his/her spouse or partner. The month when the Respondent started receiving Social Security is that of the Financial Respondent, if they are the same individual, and the month when the spouse started is that of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse, then the Financial Respondent-reported spouse start month is assigned as the Respondent's start month.

Cross Wave Differences in Original HRS Data

The Financial Respondent (FinR) answers all income questions for the household. If the Financial Respondent or the Financial Respondent's spouse or partner receives Social Security income, then a question asks when it began for each individual.

In Waves 1 and 2H, the month when Social Security income was first received is asked for everyone who receives it. In Waves 2A and 3A, if the Respondent or their spouse started to receive Social Security more than 2 years ago, the questions pertaining to month and year started are skipped. Note that, since most people in the AHEAD cohort are age 70 or older at Wave 2A, the majority began receiving Social Security more than 2 years prior to the interview, and thus are not asked the month when it began. Furthermore, for unknown reasons in Wave 2A, the majority of cases skip the question about whether the Financial Respondent's Social Security started more than 2 years ago and hence also skipped the question on the specific starting date. The 2-year question for Financial Respondent's spouse did not seem to experience the same skip problem.

In Wave 3H, the month it was first received is not asked if a preloaded variable indicates that the individual reported receiving Social Security at a previous wave. If the preload indicates no report of receiving Social Security at a previous wave, then the year when it started is asked. If the year is 1994 or later, then the month is asked. If the year is before 1994, then the month is not asked. From Wave 4 forward, the questions are structured the same as in Wave 3H, except the year cut-offs for asking month are two years prior, e.g., 1996 in Wave 4, 1998 in Wave 5, and 2000 in Wave 6.

HRS Variables Used

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HRS 1992:
    VR6004          N41C:SS:MO BENEFTS BGAN / Joint
    VR6013          N42B:SS:MO BENFT BGAN/ Self
    VR6014          N42B:SS:YR BENFT BGAN/ Self
AHEAD 1993:
    BP1380          J2c|3b.SS:START >2YRS AGO/Sp-P
    BP1381          J2d|3c.SS:START MONTH/Sp-P
    BP1382          J2e|3d.SS:START YEAR/Sp-P
    BR1380          J2c|3b.SS:START >2YRS AGO/Self
    BR1381          J2d|3c.SS:START MONTH/Self
    BR1382          J2e|3d.SS:START YEAR/Self
HRS 1994:
    W6261           N23e.START RECEIVING SS-
    W6262           N23e.START RECEIVING SS-
    W6269           N23h.SP-START RECEIVING
    W6270           N23h.SP-START RECEIVING
AHEAD 1995:
    DP3882          J4/7. START SS IN LAST TWO YEARS / SP-P
    DP3883          J4a/7a.MONTH START SOC SEC / SP-P
    DP3884          J4a/7a.YEAR START SOC SEC / SP-P
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    DR3882          J4/7. START SS IN LAST TWO YEARS / R
    DR3883          J4a/7a.MONTH START SOC SEC / R
    DR3884          J4a/7a.YEAR START SOC SEC / R
HRS 1996:
    EP3990          J48.R RECV SS BENEFITS START YEAR/Sp-P
    EP3991          J49.SS BENEFITS START MONTH/Sp-P
    ER3990          J48.R RECV SS BENEFITS START YEAR/Self
    ER3991          J49.SS BENEFITS START MONTH/Self
HRS 1998:
    FP4750          J48. SS BENEFITS START YEAR/Sp-P
    FP4751          J49. SS BENEFITS START MONTH/Sp-P
    FR4750          J48. SS BENEFITS START YEAR/Self
    FR4751          J49. SS BENEFITS START MONTH/Self
HRS 2000:
    GP5193          J48. SS BENEFITS START YEAR/Sp-P
    GP5194          J49. SS BENEFITS START MONTH/Sp-P
    GR5193          J48. SS BENEFITS START YEAR/Self
    GR5194          J49. SS BENEFITS START MONTH/Self
HRS 2002:
    HQP089          R YEAR STARTED TO RECEIVE SS BENEFITS/Sp
    HQP090          R MONTH STARTED TO RECEIVE SS BENEFITS/S
    HQR089          R YEAR STARTED TO RECEIVE SS BENEFITS/Se
    HQR090          R MONTH STARTED TO RECEIVE SS BENEFITS/S
HRS 2004:
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    JQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    JQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    JQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    JQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
HRS 2006:
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    KQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    KQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    KQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    KQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
HRS 2008:
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    LQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    LQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    LQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    LQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
HRS 2010:
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    MQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    MQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    MQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    MQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
HRS 2012:
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    NQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    NQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    NQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    NQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
HRS 2014:
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
    OQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    OQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    OQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    OQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
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Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
    CFINR           1994 WHETHER FINANCIAL RESPONDENT
    DFINR           1995 WHETHER FINANCIAL RESPONDENT
    EFINR           1996 WHETHER FINANCIAL RESPONDENT
    FFINR           1998 WHETHER FINANCIAL RESPONDENT
    GFINR           2000 WHETHER FINANCIAL RESPONDENT
    HFINR           2002 WHETHER FINANCIAL RESPONDENT
    JFINR           2004 WHETHER FINANCIAL RESPONDENT
    KFINR           2006 WHETHER FINANCIAL RESPONDENT
    LFINR           2008 WHETHER FINANCIAL RESPONDENT
    MFINR           2010 WHETHER FINANCIAL RESPONDENT
    NFINR           2012 WHETHER FINANCIAL RESPONDENT
    OFINR           2014 WHETHER FINANCIAL RESPONDENT
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SSDI, SSI Disability Episodes

Wave	Variable	Label	Type
1	RADNEPI	TOTAL NUMBER OF DISABLILITY EPISODES	Categ
1	RADTYPE1	RADTYPE1:E1 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE2	RADTYPE2:E2 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE3	RADTYPE3:E3 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE4	RADTYPE4:E4 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE5	RADTYPE5:E5 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE6	RADTYPE6:E6 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE7	RADTYPE7:E7 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE8	RADTYPE8:E8 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE9	RADTYPE9:E9 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE10	RADTYPE10:E10 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE11	RADTYPE11:E11 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADSTAT1	RADSTAT1:E1 EPISODE STATUS	Categ
1	RADSTAT2	RADSTAT2:E2 EPISODE STATUS	Categ
1	RADSTAT3	RADSTAT3:E3 EPISODE STATUS	Categ
1	RADSTAT4	RADSTAT4:E4 EPISODE STATUS	Categ
1	RADSTAT5	RADSTAT5:E5 EPISODE STATUS	Categ
1	RADSTAT6	RADSTAT6:E6 EPISODE STATUS	Categ
1	RADSTAT7	RADSTAT7:E7 EPISODE STATUS	Categ
1	RADSTAT8	RADSTAT8:E8 EPISODE STATUS	Categ
1	RADSTAT9	RADSTAT9:E9 EPISODE STATUS	Categ
1	RADSTAT10	RADSTAT10:E10 EPISODE STATUS	Categ
1	RADSTAT11	RADSTAT11:E11 EPISODE STATUS	Categ
1	RADAPPM1	RADAPPM1:E1 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM2	RADAPPM2:E2 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM3	RADAPPM3:E3 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM4	RADAPPM4:E4 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM5	RADAPPM5:E5 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM6	RADAPPM6:E6 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM7	RADAPPM7:E7 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM8	RADAPPM8:E8 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM9	RADAPPM9:E9 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM10	RADAPPM10:E10 MONTH APPLIED SSI/SSDI	Cont

1	RADAPPM11	RADAPPM11:E11 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPY1	RADAPPY1:E1 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY2	RADAPPY2:E2 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY3	RADAPPY3:E3 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY4	RADAPPY4:E4 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY5	RADAPPY5:E5 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY6	RADAPPY6:E6 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY7	RADAPPY7:E7 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY8	RADAPPY8:E8 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY9	RADAPPY9:E9 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY10	RADAPPY10:E10 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY11	RADAPPY11:E11 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPD1	RADAPPD1:E1 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD2	RADAPPD2:E2 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD3	RADAPPD3:E3 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD4	RADAPPD4:E4 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD5	RADAPPD5:E5 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD6	RADAPPD6:E6 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD7	RADAPPD7:E7 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD8	RADAPPD8:E8 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD9	RADAPPD9:E9 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD10	RADAPPD10:E10 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD11	RADAPPD11:E11 DATE APPLIED SSI/SSDI	Cont
1	RADREAM1	RADREAM1:E1 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM2	RADREAM2:E2 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM3	RADREAM3:E3 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM4	RADREAM4:E4 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM5	RADREAM5:E5 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM6	RADREAM6:E6 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM7	RADREAM7:E7 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM8	RADREAM8:E8 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM9	RADREAM9:E9 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM10	RADREAM10:E10 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM11	RADREAM11:E11 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY1	RADREAY1:E1 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY2	RADREAY2:E2 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont

1	RADREAY3	RADREAY3:E3 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY4	RADREAY4:E4 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY5	RADREAY5:E5 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY6	RADREAY6:E6 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY7	RADREAY7:E7 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY8	RADREAY8:E8 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY9	RADREAY9:E9 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY10	RADREAY10:E10 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY11	RADREAY11:E11 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD1	RADREAD1:E1 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD2	RADREAD2:E2 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD3	RADREAD3:E3 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD4	RADREAD4:E4 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD5	RADREAD5:E5 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD6	RADREAD6:E6 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD7	RADREAD7:E7 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD8	RADREAD8:E8 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD9	RADREAD9:E9 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD10	RADREAD10:E10 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD11	RADREAD11:E11 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADRECM1	RADRECM1:E1 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM2	RADRECM2:E2 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM3	RADRECM3:E3 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM4	RADRECM4:E4 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM5	RADRECM5:E5 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM6	RADRECM6:E6 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM7	RADRECM7:E7 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM8	RADRECM8:E8 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM9	RADRECM9:E9 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM10	RADRECM10:E10 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM11	RADRECM11:E11 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECY1	RADRECY1:E1 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY2	RADRECY2:E2 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY3	RADRECY3:E3 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY4	RADRECY4:E4 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY5	RADRECY5:E5 YEAR RECEIVED SSI/SSDI	Cont

1	RADRECY6	RADRECY6:E6 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY7	RADRECY7:E7 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY8	RADRECY8:E8 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY9	RADRECY9:E9 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY10	RADRECY10:E10 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY11	RADRECY11:E11 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECD1	RADRECD1:E1 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD2	RADRECD2:E2 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD3	RADRECD3:E3 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD4	RADRECD4:E4 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD5	RADRECD5:E5 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD6	RADRECD6:E6 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD7	RADRECD7:E7 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD8	RADRECD8:E8 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD9	RADRECD9:E9 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD10	RADRECD10:E10 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD11	RADRECD11:E11 DATE RECEIVED SSI/SSDI	Cont
1	RADENDM1	RADENDM1:E1 MONTH ENDED SSI/SSDI	Cont
1	RADENDM2	RADENDM2:E2 MONTH ENDED SSI/SSDI	Cont
1	RADENDM3	RADENDM3:E3 MONTH ENDED SSI/SSDI	Cont
1	RADENDM4	RADENDM4:E4 MONTH ENDED SSI/SSDI	Cont
1	RADENDM5	RADENDM5:E5 MONTH ENDED SSI/SSDI	Cont
1	RADENDM6	RADENDM6:E6 MONTH ENDED SSI/SSDI	Cont
1	RADENDM7	RADENDM7:E7 MONTH ENDED SSI/SSDI	Cont
1	RADENDM8	RADENDM8:E8 MONTH ENDED SSI/SSDI	Cont
1	RADENDM9	RADENDM9:E9 MONTH ENDED SSI/SSDI	Cont
1	RADENDM10	RADENDM10:E10 MONTH ENDED SSI/SSDI	Cont
1	RADENDM11	RADENDM11:E11 MONTH ENDED SSI/SSDI	Cont
1	RADENDY1	RADENDY1:E1 YEAR ENDED SSI/SSDI	Cont
1	RADENDY2	RADENDY2:E2 YEAR ENDED SSI/SSDI	Cont
1	RADENDY3	RADENDY3:E3 YEAR ENDED SSI/SSDI	Cont
1	RADENDY4	RADENDY4:E4 YEAR ENDED SSI/SSDI	Cont
1	RADENDY5	RADENDY5:E5 YEAR ENDED SSI/SSDI	Cont
1	RADENDY6	RADENDY6:E6 YEAR ENDED SSI/SSDI	Cont
1	RADENDY7	RADENDY7:E7 YEAR ENDED SSI/SSDI	Cont
1	RADENDY8	RADENDY8:E8 YEAR ENDED SSI/SSDI	Cont

1	RADENDY9	RADENDY9:E9 YEAR ENDED SSI/SSDI	Cont
1	RADENDY10	RADENDY10:E10 YEAR ENDED SSI/SSDI	Cont
1	RADENDY11	RADENDY11:E11 YEAR ENDED SSI/SSDI	Cont
1	RADENDD1	RADENDD1:E1 DATE ENDED SSI/SSDI	Cont
1	RADENDD2	RADENDD2:E2 DATE ENDED SSI/SSDI	Cont
1	RADENDD3	RADENDD3:E3 DATE ENDED SSI/SSDI	Cont
1	RADENDD4	RADENDD4:E4 DATE ENDED SSI/SSDI	Cont
1	RADENDD5	RADENDD5:E5 DATE ENDED SSI/SSDI	Cont
1	RADENDD6	RADENDD6:E6 DATE ENDED SSI/SSDI	Cont
1	RADENDD7	RADENDD7:E7 DATE ENDED SSI/SSDI	Cont
1	RADENDD8	RADENDD8:E8 DATE ENDED SSI/SSDI	Cont
1	RADENDD9	RADENDD9:E9 DATE ENDED SSI/SSDI	Cont
1	RADENDD10	RADENDD10:E10 DATE ENDED SSI/SSDI	Cont
1	RADENDD11	RADENDD11:E11 DATE ENDED SSI/SSDI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADNEPI	37495	0.23	0.62	0.0	11.0
RADTYPE1	5974	2.53	3.43	1.0	21.0
RADTYPE2	2041	3.79	5.05	1.0	23.0
RADTYPE3	477	5.19	6.97	1.0	23.0
RADTYPE4	152	3.06	4.57	1.0	23.0
RADTYPE5	42	2.33	3.75	1.0	23.0
RADTYPE6	17	1.71	0.47	1.0	2.0
RADTYPE7	7	4.57	8.14	1.0	23.0
RADTYPE8	3	1.67	0.58	1.0	2.0
RADTYPE9	2	1.50	0.71	1.0	2.0
RADTYPE10	2	7.00	7.07	2.0	12.0
RADTYPE11	1	2.00	.	2.0	2.0
RADSTAT1	5974	11.38	22.90	1.0	94.0
RADSTAT2	2041	18.70	32.29	1.0	94.0
RADSTAT3	477	17.45	32.12	1.0	94.0

RADSTAT4	152	13.76	28.51	1.0	94.0
RADSTAT5	42	14.24	28.86	1.0	94.0
RADSTAT6	17	14.88	29.85	1.0	94.0
RADSTAT7	7	3.43	2.37	1.0	6.0
RADSTAT8	3	4.33	2.89	1.0	6.0
RADSTAT9	2	3.50	3.54	1.0	6.0
RADSTAT10	2	2.50	2.12	1.0	4.0
RADSTAT11	1	91.00	.	91.0	91.0
RADAPPM1	3553	5.86	3.49	1.0	12.0
RADAPPM2	1082	5.83	3.44	1.0	12.0
RADAPPM3	265	6.06	3.52	1.0	12.0
RADAPPM4	70	6.00	3.35	1.0	12.0
RADAPPM5	21	6.38	3.53	1.0	12.0
RADAPPM6	10	7.40	3.44	1.0	12.0
RADAPPM7	3	3.00	2.00	1.0	5.0
RADAPPM8	1	4.00	.	4.0	4.0
RADAPPM9	1	4.00	.	4.0	4.0
RADAPPM10	2	8.00	0.00	8.0	8.0
RADAPPM11	1	8.00	.	8.0	8.0
RADAPPY1	5597	1995.17	11.05	1940.0	2014.0
RADAPPY2	1852	1999.23	9.04	1957.0	2014.0
RADAPPY3	427	2000.56	8.47	1968.0	2014.0
RADAPPY4	132	2002.98	7.65	1978.0	2014.0
RADAPPY5	37	2003.57	8.03	1982.0	2014.0
RADAPPY6	15	2003.07	8.35	1989.0	2014.0
RADAPPY7	7	2000.86	4.78	1995.0	2008.0
RADAPPY8	2	2006.00	1.41	2005.0	2007.0
RADAPPY9	2	2002.00	7.07	1997.0	2007.0
RADAPPY10	2	2009.50	0.71	2009.0	2010.0

RADAPPY11	1	2009.00	.	2009.0	2009.0
RADAPPD1	5974	12859.78	4180.73	-7415.0	20073.0
RADAPPD2	2041	14394.61	3441.27	-3357.0	20036.0
RADAPPD3	477	14968.43	3120.37	220.0	19920.0
RADAPPD4	152	15883.58	2834.74	6741.0	19859.0
RADAPPD5	42	16102.76	2778.88	8225.0	19859.0
RADAPPD6	17	15926.59	2883.79	10782.0	19829.0
RADAPPD7	7	15063.71	1712.08	12973.0	17607.0
RADAPPD8	3	16679.00	568.36	16139.0	17272.0
RADAPPD9	2	15488.00	2522.96	13704.0	17272.0
RADAPPD10	2	18304.00	263.04	18118.0	18490.0
RADAPPD11	1	18125.00	.	18125.0	18125.0
RADREAM1	890	5.80	3.28	1.0	12.0
RADREAM2	223	5.48	3.34	1.0	12.0
RADREAM3	51	5.24	3.35	1.0	12.0
RADREAM4	16	5.19	3.76	1.0	12.0
RADREAM5	3	7.33	4.04	5.0	12.0
RADREAM6	4	3.00	0.82	2.0	4.0
RADREAM7	1	2.00	.	2.0	2.0
RADREAM8	1	7.00	.	7.0	7.0
RADREAM9	1	7.00	.	7.0	7.0
RADREAY1	1432	1996.40	9.65	1958.0	2014.0
RADREAY2	368	2001.20	8.28	1968.0	2014.0
RADREAY3	78	2002.95	8.10	1977.0	2014.0
RADREAY4	23	2006.87	6.32	1990.0	2014.0
RADREAY5	5	2010.20	2.77	2007.0	2013.0
RADREAY6	5	2006.00	8.80	1992.0	2014.0
RADREAY7	2	2001.00	4.24	1998.0	2004.0
RADREAY8	1	2007.00	.	2007.0	2007.0
RADREAY9	1	2007.00	.	2007.0	2007.0

RADREAD1	1434	13154.79	3464.63	-715.0	20012.0
RADREAD2	354	14940.10	3031.28	3068.0	20043.0
RADREAD3	68	15349.75	2991.46	6399.0	19859.0
RADREAD4	21	17132.48	2385.64	11147.0	19769.0
RADREAD5	6	18529.33	939.53	17302.0	19708.0
RADREAD6	4	16894.50	3671.50	11834.0	19769.0
RADREAD7	2	15092.50	1447.45	14069.0	16116.0
RADREAD8	1	17363.00	.	17363.0	17363.0
RADREAD9	1	17363.00	.	17363.0	17363.0
RADRECM1	2254	6.11	3.50	1.0	12.0
RADRECM2	517	5.93	3.70	1.0	12.0
RADRECM3	130	6.10	3.67	1.0	12.0
RADRECM4	27	6.30	3.78	1.0	12.0
RADRECM5	6	7.67	3.14	3.0	12.0
RADRECM6	3	8.00	2.00	6.0	10.0
RADRECM7	2	8.00	2.83	6.0	10.0
RADRECM10	1	8.00	.	8.0	8.0
RADRECY1	3217	1994.52	11.33	1940.0	2014.0
RADRECY2	860	1998.45	9.35	1958.0	2014.0
RADRECY3	174	1999.89	8.31	1971.0	2014.0
RADRECY4	41	2003.41	8.17	1975.0	2014.0
RADRECY5	8	2002.50	13.27	1975.0	2014.0
RADRECY6	4	2001.25	9.29	1992.0	2013.0
RADRECY7	2	2002.00	8.49	1996.0	2008.0
RADRECY10	1	2009.00	.	2009.0	2009.0
RADRECD1	3917	13127.23	4074.24	-7028.0	20050.0
RADRECD2	1064	14345.53	3282.03	-656.0	20050.0
RADRECD3	218	14827.76	2884.22	4033.0	19920.0
RADRECD4	47	16062.79	2855.26	5668.0	19874.0

RADRECD5	12	16620.17	4135.59	5668.0	19828.0
RADRECD6	5	16198.20	3558.33	11878.0	19843.0
RADRECD7	2	15568.50	3012.98	13438.0	17699.0
RADRECD10	1	18133.00	.	18133.0	18133.0
RADENDM1	555	6.11	3.56	1.0	12.0
RADENDM2	147	6.33	3.56	1.0	12.0
RADENDM3	31	6.97	3.62	1.0	12.0
RADENDM4	6	5.50	4.76	1.0	12.0
RADENDY1	655	1997.24	10.74	1918.0	2014.0
RADENDY2	209	2002.78	7.36	1973.0	2014.0
RADENDY3	37	2005.05	5.83	1992.0	2014.0
RADENDY4	7	2007.14	4.67	2000.0	2012.0
RADENDY5	1	2004.00	.	2004.0	2004.0
RADENDD1	926	14036.58	3774.83	-15113.0	19951.0
RADENDD2	271	15848.59	2519.67	5026.0	19904.0
RADENDD3	52	16449.00	2060.68	11878.0	19859.0
RADENDD4	10	16712.60	1914.56	13597.0	19313.0
RADENDD5	3	16764.33	2201.58	14800.0	19144.0
RADENDD7	1	15013.00	.	15013.0	15013.0

Categorical Variable Codes

Value	RADNEPI
0	31521
1	3933
2	1564
3	325
4	110
5	25
6	10
7	4
8	1
10	1
11	1

Value	RADTYPE1
1.SSDI	3161
2.SSI	392
3.SSDI and/or SSI-DK which	2129
12.Applied SSDI => SSI	148
21.Applied SSI => SSDI	144

Value	RADTYPE2
1.SSDI	447
2.SSI	986
3.SSDI and/or SSI-DK which	338
12.Applied SSDI => SSI	35
13.Applied SSDI => Both	144
21.Applied SSI => SSDI	42
23.Applied SSI => Both	49

Value	RADTYPE3
1.SSDI	186
2.SSI	139
3.SSDI and/or SSI-DK which	41
12.Applied SSDI => SSI	6
13.Applied SSDI => Both	59
21.Applied SSI => SSDI	3
23.Applied SSI => Both	43

Value	RADTYPE4
1.SSDI	48
2.SSI	84
3.SSDI and/or SSI-DK which	6
12.Applied SSDI => SSI	1
13.Applied SSDI => Both	8
23.Applied SSI => Both	5

Value	RADTYPE5
1.SSDI	18
2.SSI	22
13.Applied SSDI => Both	1
23.Applied SSI => Both	1

Value	RADTYPE6
1.SSDI	5
2.SSI	12

Value	RADTYPE7
1.SSDI	3
2.SSI	3
23.Applied SSI => Both	1

Value	RADTYPE8
1.SSDI	1
2.SSI	2

Value	RADTYPE9
1.SSDI	1
2.SSI	1

Value	RADTYPE10
2.SSI	1
12.Applied SSDI => SSI	1

Value	RADTYPE11
2.SSI	1

Value	RADSTAT1
1.Applied	421
2.Reapplied/Appealed	50
4.Receiving Benefits	2670
5.Stopped receiving benefit	908
6.Not Awarded Benefits	1236
7.Rejected	182
61.Stop recv from apply	7
62.Stop recv from appeal	1
66.Stop recv from not award	18
74.Receives then denies	146
91.Beg new/no end prv apply	125
92.Beg new/no end prv appea	30
94.Beg new/no end prv recv	180

Value	RADSTAT2
1.Applied	325
2.Reapplied/Appealed	20
4.Receiving Benefits	617
5.Stopped receiving benefit	255
6.Not Awarded Benefits	311
7.Rejected	167
61.Stop recv from apply	9
62.Stop recv from appeal	2
66.Stop recv from not award	12
74.Receives then denies	19
91.Beg new/no end prv apply	134
92.Beg new/no end prv appea	11
94.Beg new/no end prv recv	159

Value	RADSTAT3
1.Applied	128
2.Reapplied/Appealed	3
4.Receiving Benefits	127
5.Stopped receiving benefit	52
6.Not Awarded Benefits	86
7.Rejected	6
74.Receives then denies	4
91.Beg new/no end prv apply	35
92.Beg new/no end prv appea	1
94.Beg new/no end prv recv	35

Value	RADSTAT4
1.Applied	52
2.Reapplied/Appealed	5
4.Receiving Benefits	31
5.Stopped receiving benefit	10
6.Not Awarded Benefits	35
7.Rejected	1
74.Receives then denies	1
91.Beg new/no end prv apply	10
92.Beg new/no end prv appea	2
94.Beg new/no end prv recv	5

Value	RADSTAT5
1.Applied	12
2.Reapplied/Appealed	1
4.Receiving Benefits	8
5.Stopped receiving benefit	3
6.Not Awarded Benefits	12
7.Rejected	1
91.Beg new/no end prv apply	4
94.Beg new/no end prv recv	1

Value	RADSTAT6
1.Applied	4
4.Receiving Benefits	3
6.Not Awarded Benefits	7
7.Rejected	1
94.Beg new/no end prv recv	2

Value	RADSTAT7
1.Applied	3
4.Receiving Benefits	1
5.Stopped receiving benefit	1
6.Not Awarded Benefits	2

Value	RADSTAT8
1.Applied	1
6.Not Awarded Benefits	2

Value	RADSTAT9
1.Applied	1
6.Not Awarded Benefits	1

Value	RADSTAT10
1.Applied	1
4.Receiving Benefits	1

Value	RADSTAT11
91.Beg new/no end prv apply	1

How Constructed

These variables present information about multiple Social Security Disability Insurance(SSDI) and Supplemental Security Income (SSI) disability applications and receipt from all waves of data. A person may apply for SSDI or SSI (or both) multiple times. Each application process is considered a new episode. RADNEPI gives the total number of disability episodes. The other episode variables have suffixes indicating to which episode the information applies. For example, RADSTAT2 gives the status of episode 2 or the second application seen in the data, and RADAPPY2 gives the year that application was made. RADNEPI counts the number of episodes observed.

RADTYPEn indicates whether episode "n" involves SSDI or SSI. If the program type is ambiguous, RADTYPEn is given a value of 3, "SSDI and/or SSI-DK which." In these cases, it may be that the episode involves either or both programs. Before Wave 5, Social Security Disability Insurance and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If an episode is active at Wave 5 or beyond, the type of application may be determined. However, after Wave 5, a Respondent may inconsistently report the program from which he/she receives benefits. For instance, he/she may report receiving benefits from SSDI in Wave 5, then report that he/she continues to receive benefits, but from SSI, in Wave 6. In these cases, RADTYPEn is set to indicate the ambiguity.

RADSTATn indicates the status of episode "n," and expected statuses are: applied, re-applied or appealed, not awarded, receiving, and stopped receiving. Normally the status of an episode will be receiving, stopped receiving, or not awarded. If the status is applied or re-applied/appealed, the Respondent has not yet reported whether the benefits will be awarded. An episode is considered active if the status is any status except "stopped receiving."

Because of the ambiguity of the question in early waves, "not awarded" does not necessarily mean rejected. Information in subsequent waves may inform this status. If a Respondent denies receiving benefits and the status at the previous interview

indicates the Respondent had not reported receiving benefits, we assume the application was rejected (RADSTATn=7). Similarly if the Respondent states he/she does not receive benefits but had not previously reported being awarded them, it is assumed that the application was rejected, but with a different status, as there is the possibility benefits were received for a short time (RADSTATn=61, 62, 66). If a Respondent denies receiving benefits, and had previously reported that benefits had stopped, the denial confirms the prior situation and the status remains as is. However, if the stop is reported without having ever reported receiving, it is assumed that the application was rejected, i.e., that benefits were never received.

In some cases an episode is unresolved, e.g., there is an active episode, but the thread is dropped. That is, either no information about whether the Respondent is still receiving benefits is given and a new application is begun, or a Respondent indicates having active episodes for both programs, but at the next wave indicates only one. These episodes are given an illogical ending status that indicates what the status was when the thread was dropped (RADSTATn=91, 92, 94).

In some cases it is possible that the appropriate follow-up questions at the next interview are not asked and the episode is thus left somewhat in limbo. These episodes may appear as still active since no further activity is observed. In particular, it is likely that most episodes with a "not awarded" status are rejected applications.

Dates of application, appeal or re-application, receipt, and end of benefits are provided as month and year, and as SAS dates. The month and year variables are set to the values as reported in the raw data, with missing codes recoded to SAS special missings (.D, .R, .M). The SAS date reflects the given month, if not missing, but is logically imputed if the month or year is missing. As the data are processed, lower and upper bounds for the period when an event may have occurred are kept. For example, if the receive month is missing, but an application month is not, the lower bound would be the application month and the upper bound the interview date. The SAS date is the midpoint between the lower and upper bounds.

In some cases the specific months given indicate an illogical order of events, e.g., application after the benefits begin. We do not attempt to "correct" these illogical sequences. There are about 150 of these among all episodes.

RADAPPMn and RADAPPYn are the month and year of application for episode "n." RADAPPDn is the imputed SAS date for the application. RADREAMn and RADREAYn are the month and year of appeal or re-application for episode "n." RADREADn is the imputed SAS date for the appeal or re-application. RADRECMn and RADRECYn are the month and year when benefits begin for episode "n." RADRECDn is the imputed SAS date for first receipt of benefits. RADENDMn and RADENDYn are the month and year when benefits stop for episode "n." RADENDDn is the imputed SAS date for when benefits stop.

Spouse variables are not included. There are many variables and relatively few couples both have any data. We also do not include the lower and upper bound variables. If you have a need for spouse versions of these variables, or for the lower and upper bound dates, please contact us.

See the introduction section "Social Security and SSI Disability Episodes" for further descriptions of how these variables are derived.

Cross Wave Differences in Original HRS Data

The disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security disability (SSDI) or Supplemental Security Income in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

The general sequence of questions asks whether the Respondent has applied for SSDI/SSI, and if so, when he/she first applied and whether the application was approved. If the application was not approved, questions ask if the Respondent appealed or re-applied, and if so, when and whether this was approved. If either the initial or re-application was approved,

questions ask when the Respondent started receiving benefits, whether they are still receiving benefits, and if not, when the benefits stopped. Dates are collected as month and year. There are variations on this sequence over time, and the sequence can occur across interviews. For example, a Respondent could apply between Waves 2 and 3, be approved and begin receiving benefits between Waves 3 and 4, and stop receiving benefits between Waves 5 and 6.

In Waves 2A and 3A, questions about disability benefits were not asked due to the older ages of the AHEAD entry cohort. In other waves, there are variations on the general sequence of questions.

In Wave 1, the question asks if the Respondent has ever applied for Social Security disability or SSI. In Waves 2H, 3H and 4, it asks if the Respondent has applied for disability benefits from any government program since the last interview (or ever if it is the first interview) and if yes, asks which programs with SSDI and SSI presented as one choice. In Wave 5, the wording is the same but applications to SSDI and SSI are separate choices. Beginning in Wave 6, SSDI and SSI are presented as one choice but if indicated, a follow-up question asks which program. From Wave 5 forward, a Respondent may report applying to one or the other or both.

If the Respondent applied, the first month of application is asked. From Wave 2 forward, if that month is before the prior interview, the Respondent is asked for the first month of application since the last interview. If no application was made since the last interview, the rest of the sequence of questions is skipped.

If the Respondent has applied or re-applied for SSDI/SSI, a question asks about the status of the application. In Waves 1, 2, and 3H, the wording of this question is: "Were you awarded benefits then?" From Wave 4 forward, the wording is more specific for new applications: "Was your application accepted, rejected, or is it still being considered?" For those who had applied in a prior wave but hadn't heard, the question first states that according to the records, the Respondent had applied. It then asks, "Was your [SSDI/SSI] application approved?"

Those who apply for SSDI/SSI at one wave and haven't stopped receiving benefits can be asked questions at the subsequent interview. In Waves 2H and 3H, it appears that everyone who applied for SSDI/SSI at the previous interview is asked if they are still receiving them, whether or not benefits were awarded at that earlier time. From Wave 4 forward, questions on whether the Respondent is still receiving benefits are asked only of those who have a preload value indicating that they were receiving benefits at the previous interview. From Wave 3H forward, the Respondent may deny receiving benefits at the previous interview.

From Wave 5 forward, if preload values indicate that the Respondent was receiving benefits at the prior interview, the type of program is collected, and then questions ask if the Respondent is still receiving. In Wave 5 only, the month first received is also collected regardless of whether the Respondent is still receiving benefits or not. Beginning in Wave 7, the type of program also includes SSDI benefits that have converted to Social Security and the survey asks the month and year the SSDI benefits stopped.

Beginning in Wave 3H, someone who applies for SSDI/SSI may indicate that they haven't yet heard whether benefits will be awarded. Beginning in Wave 4 for those with a preload indicating this situation, questions are included which ask whether the pending application was approved. However, in Wave 4, these questions were inadvertently skipped for all cases. From Wave 5 forward, the Respondent is first asked which program, SSDI or SSI, and then is asked about each program separately. The question sequence asks if the application was approved and then continues in the usual way.

Note that someone continuing to receive benefits may also report a new application.

HRS Variables Used

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HRS 1992:
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
    V4127           J23:NONE:1ST BOTHERED-MO
    V4128           J23:NONE:1ST BOTHERED-YR
    V4129           J24:NONE:1ST INTERFER-MO
    V4130           J24:NONE:1ST INTERFER-YR
    V4131           J25:NONE:PREVENTD WRK-MO
    V4132           J25:NONE:PREVENTD WRK-YR
    V4706           J123:EVR APPLD DISAB BEN
    V4707           J123A:MO 1ST APPLIED
    V4708           J123A:YR 1ST APPLIED
    V4709           J123B:AWARDED BENEFITS
    V4710           J123C:APPEAL/APPLY AGAIN
    V4711           J123D:MO LST APPLIED
    V4712           J123D:YR LAST APPLIED
    V4713           J123E:AWARDED BENEFITS
    V4714           J123F:MO STRTD RECV BEN
    V4715           J123F:YR STRTD RECV BEN
    V4719           J123J:STLL RECVNG BENFTS
    V4720           J123K:MO BENFST STOPED
    V4721           J123K:YR BENEFITS STOPED
HRS 1994:
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W5220           J3.IMPAIRMENT FIRST BEGI
    W5221           J3a.IMPAIRMENT FIRST BEG
    W5222           J4.INTERFERE W/ WORK-MON
    W5223           J4a.INTERFERE W/ WORK-YE
    W5224           J6.PREVENT WORK-MONTH
    W5225           J6a.PREVENT WORK-YEAR
    W5259           J18.STILL RECEIVING SSD/
    W5260           J18a.SSD/SSI STOP-MONTH
    W5261           J18b.SSD/SSI STOP-YEAR
    W5268           J23.APPLY FOR OTHER DISA
    W5269           J24.DISABILITY PROGRAM
    W5270           J24.DISABILITY PROGRAM
    W5271           J24.DISABILITY PROGRAM
    W5274           J26a.SSD/SSI APPLY-MONTH
    W5275           J26a1.SSD/SSI APPLY-YEAR
    W5276           J26a2.FIRST APPLY-MONTH
    W5277           J26a3.FIRST APPLY-YEAR
    W5278           J26b.AWARDED SSD/SSI THE
    W5279           J26c.APPEAL/APPLY LATER
    W5280           J26d.SSD/SSI LAST APPLY-
    W5281           J26d1.SSD/SSI LAST APPLY
    W5282           J26e.AWARED SSD/SSI THEN
    W5283           J26f.SSD/SSI START RECEI
    W5284           J26f1.SSD/SSI START RECE
    W5288           J26j.SSD/SSI STILL RECEI
    W5289           J26k.SSD/SSI STOP-MONTH
    W5290           J26k1.SSD/SSI STOP-YEAR
HRS 1996:
    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E3523           GD3. FIRST BEGIN-YR
    E3524           GD3A. FIRST BEGIN-MONTH
    E3526           GD4.INTERFERE-YR
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    E3527           GD4A. INTERFERE-MONTH
    E3528           GD6. PREVENT WORK-YR
    E3529           GD6A. PREVENT WORK-MONTH
    E3580           GD18. RECEIVE SSD/SSI
    E3581           GD18A. SS STOP-MONTH
    E3582           GD18B. SS STOP-YR
    E3589           GD23. APPLY OTHER DISABILITY
    E3595M1         GD24. DISABILITY PROGRAMS
    E3595M2         GD24. DISABILITY PROGRAMS
    E3595M3         GD24. DISABILITY PROGRAMS
    E3596           GD26A. SS APPLY-MONTH
    E3597           GD26A1. SS APPLY-YR
    E3598           GD26A2. CHECK MONTH
    E3599           GD26A3. CHECK YR
    E3600           GD26B. SS-AWARD THEN
    E3601           GD26C. SS-APPLY AGAIN
    E3602           GD26D. SS-LAST APPLY MONTH
    E3603           GD26D1. SS-LAST APPLY YR
    E3604           GD26E. SS-AWARD THEN
    E3605           GD26F. SS RECEIVE-MONTH
    E3606           GD26F1. SS RECEIVE-YR
    E3614           GD26J. SS-STILL RECEIVING
    E3615           GD26K. SS STOP-MONTH
    E3616           GD26K1. SS STOP-YR
HRS 1998:
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F4033           GD3. FIRST BEGIN-YR
    F4034           GD3A. FIRST BEGIN-MONTH
    F4036           GD4.INTERFERE-YR
    F4037           GD4A. INTERFERE-MONTH
    F4038           GD6. PREVENT WORK-YR
    F4039           GD6A. PREVENT WORK-MONTH
    F4088           GD18. RECEIVE SSD/SSI
    F4089           GD18A. SS STOP-MONTH
    F4090           GD18B. SS STOP-YR
    F4091           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
    F4092           GD18D. MONTH START RECEIVING BENEFITS
    F4093           GD18D.1.YEAR START RECEIVING BENEFITS
    F4097           GD18G.STILL RECEIVING BENEFITS
    F4098           GD18H. MONTH STOPPED RECEIVING BENEFITS
    F4099           GD18H.1.YEAR STOPPED RECEIVING BENEFITS
    F4123           GD23. APPLY OTHER DISABILITY
    F4124M1         GD24. DISABILITY PROGRAMS
    F4124M2         GD24. DISABILITY PROGRAMS
    F4124M3         GD24. DISABILITY PROGRAMS
    F4125           GD26A. SS APPLY-MONTH
    F4126           GD26A1. SS APPLY-YR
    F4127           GD26A2. CHECK MONTH
    F4128           GD26A3. CHECK YR
    F4129           GD26B. SS-AWARD THEN
    F4130           GD26C. SS-APPLY AGAIN
    F4131           GD26D. SS-LAST APPLY MONTH
    F4132           GD26D1. SS-LAST APPLY YR
    F4133           GD26E. SSI-AWARD THEN
    F4134           GD26F. SS RECEIVE-MONTH
    F4135           GD26F1. SS RECEIVE-YR
    F4139           GD26J. SS-STILL RECEIVING
    F4140           GD26K. SS STOP-MONTH
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    F4141           GD26K1. SS STOP-YR
    F4489           GJ123.EVER APPLY FOR SSD OR SSI
    F4490           GJ123A.FIRST APPLIED SS - MONTH
    F4491           GJ123A1.FIRST APPLIED SS - YEAR
    F4492           GJ123B.SS AWARDED BENEFITS
    F4493           GJ123C.SS APPEALED OR APPLY AGAIN
    F4494           GJ123D.SS APPEALED - MONTH
    F4495           GJ123D1.SS APPEALED - YEAR
    F4496           GJ123E.SS AWARDED THEN
    F4497           GJ123F.SS AWARDED - MONTH
    F4498           GJ123F1.SS AWARDED - YEAR
    F4502           GJ123J.STILL RECEIVING BENEFITS
    F4503           GJ123K.BENEFITS STOPPED - MONTH
    F4504           GJ123K1.BENEFITS STOPPED - YEAR
HRS 2000:
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G4321           GD3. FIRST BEGIN-YR
    G4322           GD3A. FIRST BEGIN-MONTH
    G4324           GD4.INTERFERE-YR
    G4325           GD4A. INTERFERE-MONTH
    G4326           GD6. PREVENT WORK-YR
    G4327           GD6A. PREVENT WORK-MONTH
    G4373           GD18. RECEIVE SSD/SSI
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4377           GD18AC. SSDI START-MONTH
    G4378           GD18AD. SSDI START-YEAR
    G4381           GD18AE. SSDI STOP-MONTH
    G4382           GD18AF. SSDI STOP-YR
    G4383           GD18BA. REC`D SSI BENEFITS
    G4385           GD18BC. SSI START-MONTH
    G4386           GD18BD. SSI START-YEAR
    G4387           GD18BE. SSI STOP-MONTH
    G4388           GD18BF. SSI STOP-YR
    G4389           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
    G4390           GD18CA. SSDI APPLICATION APPROVED
    G4391           GD18CB. SSDI START-MONTH
    G4392           GD18CC. SSDI START-YEAR
    G4396           GD18CG.STILL RECEIVING SSDI BENEFITS
    G4398           GD18CJ. SSDI STOP-MONTH
    G4399           GD18CK. SSDI STOP-YR
    G4400           GD18DA. SSDI-APPLY AGAIN
    G4401           GD18DB. SSDI-LAST APPLY MONTH
    G4402           GD18DC. SSDI-LAST APPLY YR
    G4403           GD18DD. SSDI-AWARD THEN
    G4404           GD18DE. SSDI START-MONTH
    G4405           GD18DF. SSDI START-YEAR
    G4409           GD18DK.STILL RECEIVING SSDI BENEFITS
    G4411           GD18DN. SSDI STOP-MONTH
    G4412           GD18DP. SSDI STOP-YR
    G4413           GD18EA. SSI APPLICATION APPROVED
    G4414           GD18EB. SSI START-MONTH
    G4415           GD18EC. SSI START-YEAR
    G4416           GD18ED.STILL RECEIVING SSI BENEFITS
    G4418           GD18EF. SSI STOP-MONTH
    G4419           GD18EG. SSI STOP-YR
    G4420           GD18EH. SSI-APPLY AGAIN
    G4421           GD18EJ. SSI-LAST APPLY MONTH
    G4422           GD18EK. SSI-LAST APPLY YR
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G4423	GD18EM. SSI-AWARD THEN
G4424	GD18EN. SSI START-MONTH
G4425	GD18EP. SSI START-YEAR
G4426	GD18EQ.STILL RECEIVING SSI BENEFITS
G4428	GD18ES. SSI STOP-MONTH
G4429	GD18ET. SSI STOP-YR
G4453	GD23. APPLY OTHER DISABILITY
G4454M1	GD24. DISABILITY PROGRAMS
G4454M2	GD24. DISABILITY PROGRAMS
G4454M3	GD24. DISABILITY PROGRAMS
G4455	GD26A.SSD APPLY-MO
G4456	GD26A1. SSD APPLY-YR
G4457	GD26A2.SSD APPLY SINCE PREV WAVE-MO
G4458	GD26A3.SSD APPL SINCE PREV WAVE-YR
G4459	GD26B.SSD 1ST APPL STATUS
G4460	GD26C.SSD WHETHER APPLIED AGAIN
G4461	GD26D.SSD LAST APPLICATION-MO
G4462	GD26D1.SSD LAST APPLICATION-YR
G4463	GD26E.SSD LAST APPLICATION STATUS
G4464	GD26F.SSD LAST APP BENEFITS START-MO
G4465	GD26F1.SSD LAST APP BENEFITS START-YR
G4466	GD26G.SSD-STILL RECEIVING
G4471	GD26M.SSD BENEFITS STOP-MO
G4472	GD26M1.SSD BENEFITS STOP-YR
G4473	GD27A. SSI APPLY-MONTH
G4474	GD27A1. SSI APPLY-YR
G4475	GD27A2. SSI APPLY SINCE PREV WAVE-MO
G4476	GD27A3. SSI APPLY SINCE PREV WAVE-YR
G4477	GD27B. SSI-AWARD THEN
G4478	GD27C. SSI-APPLY AGAIN
G4479	GD27D. SSI-LAST APPLY MONTH
G4480	GD27D1. SSI-LAST APPLY YR
G4481	GD27E. SSI-AWARD THEN
G4482	GD27F. SSI RECEIVE-MONTH
G4483	GD27F1. SSI RECEIVE-YR
G4484	GD27G. SSI-STILL RECEIVING
G4489	GD27J. SSI STOP-MONTH
G4490	GD27J1. SSI STOP-YR
G4862	GJ123.EVER APPLY FOR SSDI
G4863	GJ123A.FIRST APPLIED SSDI - YEAR
G4864	GJ123A2.FIRST APPLIED SSDI - MONTH
G4865	GJ123B.SSDI AWARDED BENEFITS
G4866	GJ123C.SSDI APPEALED OR APPLY AGAIN
G4867	GJ123D.SSDI APPEALED - YR
G4868	GJ123D2.SSDI APPEALED - MO
G4869	GJ123E.SSDI AWARDED THEN
G4870	GJ123F1.SSDI AWARDED - YEAR
G4871	GJ123F2.SSDI AWARDED - MONTH
G4875	GJ123J.STILL RECEIVING BENEFITS
G4877	GJ123K.BENEFITS STOPPED - YEAR
G4878	GJ123K2.BENEFITS STOPPED - MONTH
G4881	GJ125.EVER APPLY FOR SSI
G4882	GJ125A1.FIRST APPLIED SSI - YEAR
G4883	GJ125A2.FIRST APPLIED SSI - MONTH
G4884	GJ125B.SSI AWARDED BENEFITS
G4885	GJ125C.SSI APPEALED OR APPLY AGAIN
G4886	GJ125D1.SSI APPEALED - YR
G4887	GJ125D2.SSI APPEALED - MO
G4888	GJ125E.SSI AWARDED THEN

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    G4889           GJ125F1.SSI AWARDED - YEAR
    G4890           GJ125F2.SSI AWARDED - MONTH
    G4894           GJ125G.STILL RECEIVING BENEFITS
    G4896           GJ125J.BENEFITS STOPPED - YEAR
    G4897           GJ125K.BENEFITS STOPPED - MONTH
HRS 2002:
    HJ014           DISABLED-MO
    HJ015           DISABLED- YR
    HM009           HM009 KEEP FROM WRK 1ST BEGIN-YR
    HM010           HM010 HEALTH PROBLEM FIRST BOTHER-MO
    HM014           HM014 HEALTH PROB INTERFERE-YR
    HM015           HM015 HEALTH PROB INTERFERE-MO
    HM016           HM016 HEALTH PROB PREVENT WRK-YR
    HM017           HM017 HEALTH PROB PREVENT WRK-MO
    HM030           HM030 REC SSDI/SSI/BOTH
    HM030F1         HM030F1 STILL RECEIVING SSDI BENEFITS
    HM030F2         HM030F2 STILL RECEIVING SSI BENEFITS
    HM030K1         HM030K1 SSDI STOP-MO
    HM030K2         HM030K2 SSI STOP-MO
    HM030L1         HM030L1 SSDI STOP-YR
    HM030L2         HM030L2 SSI STOP-YR
    HM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
    HM032           HM032 SSDI APPLICATION APPROVED
    HM032A1         HM032A1 SSDI START-MO
    HM032A2         HM032A2 SSDI START-MO
    HM032B1         HM032B1 SSDI START-YR
    HM032B2         HM032B2 SSDI START-YR
    HM032F1         HM032F1 STILL RECEIVING SSDI BENEFITS
    HM032F2         HM032F2 STILL RECEIVING SSDI BENEFITS
    HM032K1         HM032K1 SSDI STOP-MO
    HM032K2         HM032K2 SSDI STOP-MO
    HM032L1         HM032L1 SSDI STOP-YR
    HM032L2         HM032L2 SSDI STOP-YR
    HM032N          HM032N SSDI-APPLY AGAIN
    HM032O          HM032O SSDI-LAST APPLY MO
    HM032P          HM032P SSDI-LAST APPLY YR
    HM032Q          HM032Q SSDI-AWARD THEN
    HM033           HM033 SSI APPLICATION APPROVED
    HM033A2         HM033A2 SSI START-MO
    HM033B2         HM033B2 SSI START-YR
    HM033C1         HM033C1 STILL RECEIVING SSI BENEFITS
    HM033C2         HM033C2 STILL RECEIVING SSI BENEFITS
    HM033H1         HM033H1 SSI STOP-MO
    HM033H2         HM033H2 SSI STOP-MO
    HM033I1         HM033I1 SSI STOP-YR
    HM033I2         HM033I2 SSI STOP-YR
    HM033L          HM033L SSI-APPLY AGAIN
    HM033N          HM033N SSI-LAST APPLY MO
    HM033O          HM033O SSI-LAST APPLY YR
    HM033P          HM033P SSI-AWARD THEN
    HM036           HM036 APPLY OTR DISABILITY
    HM037M1         HM037M1 DISABILITY PROGRAMS-1
    HM037M2         HM037M2 DISABILITY PROGRAMS-2
    HM037M3         HM037M3 DISABILITY PROGRAMS-3
    HM040A          HM040A SSD APPLY-MO
    HM040B          HM040B SSD APPLY-YR
    HM040C          HM040C SSD APPLY SINCE PREV WAVE-MO
    HM040D          HM040D SSD APPLY SINCE PREV WAVE-YR
    HM040E          HM040E SSD 1ST APPL STATUS
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    HM040F          HM040F SSDI-APPLY AGAIN
    HM040G          HM040G SSDI-LAST APPLY MO
    HM040H          HM040H SSDI-LAST APPLY YR
    HM040I          HM040I SSDI-AWARD THEN
    HM040J          HM040J SSDI START-MO
    HM040K          HM040K SSDI START-YR
    HM040P          HM040P STILL RECEIVING SSDI BENEFITS
    HM040U          HM040U SSDI STOP-MO
    HM040V          HM040VSSDI STOP-YR
    HM041           HM041 SSI-AWARD THEN
    HM041A          HM041A SSD APPLY-MO
    HM041B          HM041B SSD APPLY-YR
    HM041C          HM041C SSD APPLY SINCE PREV WAVE-MO
    HM041D          HM041D SSD APPLY SINCE PREV WAVE-YR
    HM041F          HM041F SSI-APPLY AGAIN
    HM041G          HM041G SSI-LAST APPLY MO
    HM041H          HM041H SSI-LAST APPLY YR
    HM041I          HM041I SSI-AWARD THEN
    HM041J          HM041J SSI START-MO
    HM041K          HM041K SSI START-YR
    HM041L          HM041L STILL RECEIVING SSI BENEFITS
    HM041R          HM041R SSI STOP-MO
    HM041S          HM041S SSI STOP-YR
    HM042H          HM042H VA-LAST APPLY YR
    HM050G          HM050G OTH PROG-LAST APPLY MO
    HM058           HM058 WHICH DISABILITY PROGRAM
    HM645           EVER APPLY FOR SSDI
    HM646           1ST APPLIED SSDI - YR
    HM647           1ST APPLIED SSDI - MO
    HM648           SSDI AWARDED BENEFITS
    HM648A1         SSDI START MONTH-1
    HM648B1         SSDI START YEAR-1
    HM648F1         STILL RECEIVING SSDI BENEFITS-1
    HM648K1         SSDI STOP MONTH-1
    HM648L1         SSDI STOP YEAR-1
    HM648N          SSDI-APPLY AGAIN
    HM648O          SSDI-LAST APPLY MO
    HM648P          SSDI-LAST APPLY YR
    HM648Q          SSDI-AWARD THEN
    HM651           EVER APPLY FOR SSI
    HM652           1ST APPLIED SSI - YR
    HM653           1ST APPLIED SSI - MO
    HM654           SSI AWARDED BENEFITS
    HM654A1         SSI START MONTH-1
    HM654B1         SSI START YEAR-1
    HM654C1         STILL RECEIVING SSI BENEFITS-1
    HM654H1         SSI STOP MONTH-1
    HM654I1         SSI STOP YEAR-1
    HM654J          SSI-APPLY AGAIN
    HM654K          SSI-LAST APPLY MO
    HM654L          SSI-LAST APPLY YR
    HM654N          SSI-AWARD THEN
HRS 2004:
    JJ014           DISABLED-MO
    JJ015           DISABLED- YR
    JM009           HM009 KEEP FROM WRK 1ST BEGIN-YR
    JM010           HM010 HEALTH PROBLEM FIRST BOTHER-MO
    JM014           HM014 HEALTH PROB INTERFERE-YR
    JM015           HM015 HEALTH PROB INTERFERE-MO
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JM016           HM016 HEALTH PROB PREVENT WRK-YR
JM017           HM017 HEALTH PROB PREVENT WRK-MO
JM030           HM030 REC SSDI/SSI/BOTH
JM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
JM032           HM032 SSDI APPLICATION APPROVED
JM033           HM033 SSI APPLICATION APPROVED
JM036           HM036 APPLY OTR DISABILITY
JM037M1         HM037M1 DISABILITY PROGRAMS-1
JM037M2         HM037M2 DISABILITY PROGRAMS-2
JM037M3         HM037M3 DISABILITY PROGRAMS-3
JM040           HM040E SSD 1ST APPL STATUS
JM041           HM041 SSI-AWARD THEN
JM058           HM058 WHICH DISABILITY PROGRAM
JM645           HM645 EVER APPLY FOR SSDI
JM646           HM646 1ST APPLIED SSDI - YR
JM647           HM647 1ST APPLIED SSDI - MO
JM648           HM648 SSDI AWARDED BENEFITS
JM651           HM651 EVER APPLY FOR SSI
JM652           HM652 1ST APPLIED SSI - YR
JM653           HM653 1ST APPLIED SSI - MO
JM654           HM654 SSI AWARDED BENEFITS
JMW233C         HM032A2 SSDI START-MO -2
JMW233D         HM033A2 SSI START-MO -2
JMW233I         HM040J SSDI START-MO -3
JMW233J         SSI START-MO -3
JMW233Q         HM648A1 SSDI START MONTH-1
JMW233S         HM654A1 SSI START MONTH-1
JMW234C         HM032B2 SSDI START-YR -2
JMW234D         HM041K SSI START-YR -2
JMW234I         HM040K SSDI START-YR -3
JMW234J         SSI START-YR -3
JMW234Q         HM648B1 SSDI START YEAR-1
JMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
JMW238B         HM030F2 STILL RECEIVING SSI BENEFITS-1
JMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
JMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
JMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
JMW238J         HM041L STILL RECEIVING SSI BENEFITS -3
JMW238Q         HM648F1 STILL REC SSDI BENS-1
JMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
JMW243A         HM040U SSDI STOP-MO -1
JMW243B         HM030K2 SSI STOP-MO -1
JMW243C         HM032K1 SSDI STOP-MO -2
JMW243D         HM033H1 SSI STOP-MO -2
JMW243I         HM032K2 SSDI STOP-MO -3
JMW243J         HM041R SSI STOP-MO -3
JMW243Q         SSDI STOP MONTH-1
JMW243S         HM654H1 SSI STOP MONTH-1
JMW244A         HM030K1 SSDI STOP-YR
JMW244B         HM030L2 SSI STOP-YR -1
JMW244C         HM030L1 SSDI STOP-YR -2
JMW244D         HM033I1 SSI STOP-YR -2
JMW244I         HM032L1 SSDI STOP-YR -3
JMW244J         HM041S SSI STOP-YR -3
JMW244Q         SSDI STOP YEAR-1
JMW244S         HM654I2 SSI STOP YEAR-1
JMW245A         HM040F SSDI-APPLY AGAIN -1
JMW245B         HM041F SSI-APPLY AGAIN -1
JMW245C         HM032N SSDI-APPLY AGAIN -2
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    JMW245D         HM033L SSI-APPLY AGAIN -2
    JMW245H         HM648N SSDI-APPLY AGAIN-1
    JMW245I         HM654J SSI-APPLY AGAIN-1
    JMW246A         HM040G SSDI-LAST APPLY MO -1
    JMW246B         HM041G SSI-LAST APPLY MO -1
    JMW246C         HM032O SSDI-LAST APPLY MO -2
    JMW246D         HM033N SSI-LAST APPLY MO -2
    JMW246G         HM050G OTH PROG-LAST APPLY MO -1
    JMW246H         HM648O SSDI-LAST APPLY MO-1
    JMW246I         HM654K SSI-LAST APPLY MO
    JMW247A         HM040H SSDI-LAST APPLY YR -1
    JMW247B         HM041H SSI-LAST APPLY YR -1
    JMW247C         HM032P SSDI-LAST APPLY YR -2
    JMW247D         HM033O SSI-LAST APPLY YR -2
    JMW247E         HM042H VA-LAST APPLY YR -1
    JMW247H         HM648P SSDI-LAST APPLY YR-1
    JMW247I         HM654L SSI-LAST APPLY YR-1
    JMW248A         HM040I SSDI-AWARD THEN -1
    JMW248B         HM041I SSI-AWARD THEN -1
    JMW248C         HM032Q SSDI-AWARD THEN -2
    JMW248D         HM033P SSI-AWARD THEN -2
    JMW248H         HM648Q SSDI-AWARD THEN-1
    JMW248I         HM654N SSI-AWARD THEN
    JMW249A         HM040A SSD APPLY-MO
    JMW249B         HM041A SSI APPLY-MO
    JMW250A         HM040B SSD APPLY-YR
    JMW250B         HM041B SSI APPLY-YR
    JMW251A         HM040C SSD APPLY SINCE PREV WAVE-MO
    JMW251B         HM041C SSI APPLY SINCE PREV WAVE-MO
    JMW252A         HM040D SSD APPLY SINCE PREV WAVE-YR
    JMW252B         HM041D SSI APPLY SINCE PREV WAVE-YR
HRS 2006:
    KJ014           DISABLED-MO
    KJ015           DISABLED- YR
    KM009           HM009 KEEP FROM WRK 1ST BEGIN-YR
    KM010           HM010 HEALTH PROBLEM FIRST BOTHER-MO
    KM014           HM014 HEALTH PROB INTERFERE-YR
    KM015           HM015 HEALTH PROB INTERFERE-MO
    KM016           HM016 HEALTH PROB PREVENT WRK-YR
    KM017           HM017 HEALTH PROB PREVENT WRK-MO
    KM030           HM030 REC SSDI/SSI/BOTH
    KM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
    KM032           HM032 SSDI APPLICATION APPROVED
    KM033           HM033 SSI APPLICATION APPROVED
    KM036           HM036 APPLY OTR DISABILITY
    KM037M1         HM037M1 DISABILITY PROGRAMS-1
    KM037M2         HM037M2 DISABILITY PROGRAMS-2
    KM037M3         HM037M3 DISABILITY PROGRAMS-3
    KM040           HM040E SSD 1ST APPL STATUS
    KM041           HM041 SSI-AWARD THEN
    KM058           HM058 WHICH DISABILITY PROGRAM
    KM645           HM645 EVER APPLY FOR SSDI
    KM646           HM646 1ST APPLIED SSDI - YR
    KM647           HM647 1ST APPLIED SSDI - MO
    KM648           HM648 SSDI AWARDED BENEFITS
    KM651           HM651 EVER APPLY FOR SSI
    KM652           HM652 1ST APPLIED SSI - YR
    KM653           HM653 1ST APPLIED SSI - MO
    KM654           HM654 SSI AWARDED BENEFITS
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KMW233C         HM032A2 SSDI START-MO -2
KMW233D         HM033A2 SSI START-MO -2
KMW233I         HM040J SSDI START-MO -3
KMW233J         SSI START-MO -3
KMW233Q         HM648A1 SSDI START MONTH-1
KMW233S         HM654A1 SSI START MONTH-1
KMW234C         HM032B2 SSDI START-YR -2
KMW234D         HM041K SSI START-YR -2
KMW234I         HM040K SSDI START-YR -3
KMW234J         SSI START-YR -3
KMW234Q         HM648B1 SSDI START YEAR-1
KMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
KMW238B         HM030F2 STILL RECEIVING SSI BENEFITS-1
KMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
KMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
KMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
KMW238J         HM041L STILL RECEIVING SSI BENEFITS -3
KMW238Q         HM648F1 STILL REC SSDI BENS-1
KMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
KMW243A         HM040U SSDI STOP-MO -1
KMW243B         HM030K2 SSI STOP-MO -1
KMW243C         HM032K1 SSDI STOP-MO -2
KMW243D         HM033H1 SSI STOP-MO -2
KMW243I         HM032K2 SSDI STOP-MO -3
KMW243J         HM041R SSI STOP-MO -3
KMW243Q         SSDI STOP MONTH-1
KMW243S         HM654H1 SSI STOP MONTH-1
KMW244A         HM030K1 SSDI STOP-YR
KMW244B         HM030L2 SSI STOP-YR -1
KMW244C         HM030L1 SSDI STOP-YR -2
KMW244D         HM033I1 SSI STOP-YR -2
KMW244I         HM032L1 SSDI STOP-YR -3
KMW244J         HM041S SSI STOP-YR -3
KMW244Q         SSDI STOP YEAR-1
KMW244S         HM654I2 SSI STOP YEAR-1
KMW245A         HM040F SSDI-APPLY AGAIN -1
KMW245B         HM041F SSI-APPLY AGAIN -1
KMW245C         HM032N SSDI-APPLY AGAIN -2
KMW245D         HM033L SSI-APPLY AGAIN -2
KMW245H         HM648N SSDI-APPLY AGAIN-1
KMW245I         HM654J SSI-APPLY AGAIN-1
KMW246A         HM040G SSDI-LAST APPLY MO -1
KMW246B         HM041G SSI-LAST APPLY MO -1
KMW246C         HM032O SSDI-LAST APPLY MO -2
KMW246D         HM033N SSI-LAST APPLY MO -2
KMW246G         HM050G OTH PROG-LAST APPLY MO -1
KMW246H         HM648O SSDI-LAST APPLY MO-1
KMW246I         HM654K SSI-LAST APPLY MO
KMW247A         HM040H SSDI-LAST APPLY YR -1
KMW247B         HM041H SSI-LAST APPLY YR -1
KMW247C         HM032P SSDI-LAST APPLY YR -2
KMW247D         HM033O SSI-LAST APPLY YR -2
KMW247E         HM042H VA-LAST APPLY YR -1
KMW247H         HM648P SSDI-LAST APPLY YR-1
KMW247I         HM654L SSI-LAST APPLY YR-1
KMW248A         HM040I SSDI-AWARD THEN -1
KMW248B         HM041I SSI-AWARD THEN -1
KMW248C         HM032Q SSDI-AWARD THEN -2
KMW248D         HM033P SSI-AWARD THEN -2
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    KMW248H         HM648Q SSDI-AWARD THEN-1
    KMW248I         HM654N SSI-AWARD THEN
    KMW249A         HM040A SSD APPLY-MO
    KMW249B         HM041A SSI APPLY-MO
    KMW250A         HM040B SSD APPLY-YR
    KMW250B         HM041B SSI APPLY-YR
    KMW251A         HM040C SSD APPLY SINCE PREV WAVE-MO
    KMW251B         HM041C SSI APPLY SINCE PREV WAVE-MO
    KMW252A         HM040D SSD APPLY SINCE PREV WAVE-YR
    KMW252B         HM041D SSI APPLY SINCE PREV WAVE-YR
HRS 2008:
    LJ014           DISABLED-MO
    LJ015           DISABLED- YR
    LM009           HM009 KEEP FROM WRK 1ST BEGIN-YR
    LM010           HM010 HEALTH PROBLEM FIRST BOTHER-MO
    LM014           HM014 HEALTH PROB INTERFERE-YR
    LM015           HM015 HEALTH PROB INTERFERE-MO
    LM016           HM016 HEALTH PROB PREVENT WRK-YR
    LM017           HM017 HEALTH PROB PREVENT WRK-MO
    LM030           HM030 REC SSDI/SSI/BOTH
    LM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
    LM032           HM032 SSDI APPLICATION APPROVED
    LM033           HM033 SSI APPLICATION APPROVED
    LM036           HM036 APPLY OTR DISABILITY
    LM037M1         HM037M1 DISABILITY PROGRAMS-1
    LM037M2         HM037M2 DISABILITY PROGRAMS-2
    LM037M3         HM037M3 DISABILITY PROGRAMS-3
    LM040           HM040E SSD 1ST APPL STATUS
    LM041           HM041 SSI-AWARD THEN
    LM058           HM058 WHICH DISABILITY PROGRAM
    LM645           HM645 EVER APPLY FOR SSDI
    LM646           HM646 1ST APPLIED SSDI - YR
    LM647           HM647 1ST APPLIED SSDI - MO
    LM648           HM648 SSDI AWARDED BENEFITS
    LM651           HM651 EVER APPLY FOR SSI
    LM652           HM652 1ST APPLIED SSI - YR
    LM653           HM653 1ST APPLIED SSI - MO
    LM654           HM654 SSI AWARDED BENEFITS
    LMW233C         HM032A2 SSDI START-MO -2
    LMW233D         HM033A2 SSI START-MO -2
    LMW233I         HM040J SSDI START-MO -3
    LMW233J         SSI START-MO -3
    LMW233Q         HM648A1 SSDI START MONTH-1
    LMW233S         HM654A1 SSI START MONTH-1
    LMW234C         HM032B2 SSDI START-YR -2
    LMW234D         HM041K SSI START-YR -2
    LMW234I         HM040K SSDI START-YR -3
    LMW234J         SSI START-YR -3
    LMW234Q         HM648B1 SSDI START YEAR-1
    LMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    LMW238B         HM030F2 STILL RECEIVING SSI BENEFITS-1
    LMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    LMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    LMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    LMW238J         HM041L STILL RECEIVING SSI BENEFITS -3
    LMW238Q         HM648F1 STILL REC SSDI BENS-1
    LMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
    LMW243A         HM040U SSDI STOP-MO -1
    LMW243B         HM030K2 SSI STOP-MO -1
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    LMW243C         HM032K1 SSDI STOP-MO -2
    LMW243D         HM033H1 SSI STOP-MO -2
    LMW243I         HM032K2 SSDI STOP-MO -3
    LMW243J         HM041R SSI STOP-MO -3
    LMW243Q         SSDI STOP MONTH-1
    LMW243S         HM654H1 SSI STOP MONTH-1
    LMW244A         HM030K1 SSDI STOP-YR
    LMW244B         HM030L2 SSI STOP-YR -1
    LMW244C         HM030L1 SSDI STOP-YR -2
    LMW244D         HM033I1 SSI STOP-YR -2
    LMW244I         HM032L1 SSDI STOP-YR -3
    LMW244J         HM041S SSI STOP-YR -3
    LMW244Q         SSDI STOP YEAR-1
    LMW244S         HM654I2 SSI STOP YEAR-1
    LMW245A         HM040F SSDI-APPLY AGAIN -1
    LMW245B         HM041F SSI-APPLY AGAIN -1
    LMW245C         HM032N SSDI-APPLY AGAIN -2
    LMW245D         HM033L SSI-APPLY AGAIN -2
    LMW245H         HM648N SSDI-APPLY AGAIN-1
    LMW245I         HM654J SSI-APPLY AGAIN-1
    LMW246A         HM040G SSDI-LAST APPLY MO -1
    LMW246B         HM041G SSI-LAST APPLY MO -1
    LMW246C         HM032O SSDI-LAST APPLY MO -2
    LMW246D         HM033N SSI-LAST APPLY MO -2
    LMW246G         HM050G OTH PROG-LAST APPLY MO -1
    LMW246H         HM648O SSDI-LAST APPLY MO-1
    LMW246I         HM654K SSI-LAST APPLY MO
    LMW247A         HM040H SSDI-LAST APPLY YR -1
    LMW247B         HM041H SSI-LAST APPLY YR -1
    LMW247C         HM032P SSDI-LAST APPLY YR -2
    LMW247D         HM033O SSI-LAST APPLY YR -2
    LMW247E         HM042H VA-LAST APPLY YR -1
    LMW247H         HM648P SSDI-LAST APPLY YR-1
    LMW247I         HM654L SSI-LAST APPLY YR-1
    LMW248A         HM040I SSDI-AWARD THEN -1
    LMW248B         HM041I SSI-AWARD THEN -1
    LMW248C         HM032Q SSDI-AWARD THEN -2
    LMW248D         HM033P SSI-AWARD THEN -2
    LMW248H         HM648Q SSDI-AWARD THEN-1
    LMW248I         HM654N SSI-AWARD THEN
    LMW249A         HM040A SSD APPLY-MO
    LMW249B         HM041A SSI APPLY-MO
    LMW250A         HM040B SSD APPLY-YR
    LMW250B         HM041B SSI APPLY-YR
    LMW251A         HM040C SSD APPLY SINCE PREV WAVE-MO
    LMW251B         HM041C SSI APPLY SINCE PREV WAVE-MO
    LMW252A         HM040D SSD APPLY SINCE PREV WAVE-YR
    LMW252B         HM041D SSI APPLY SINCE PREV WAVE-YR
HRS 2010:
    MJ014           DISABLED-MO
    MJ015           DISABLED- YR
    MM009           HM009 KEEP FROM WRK 1ST BEGIN-YR
    MM010           HM010 HEALTH PROBLEM FIRST BOTHER-MO
    MM014           HM014 HEALTH PROB INTERFERE-YR
    MM015           HM015 HEALTH PROB INTERFERE-MO
    MM016           HM016 HEALTH PROB PREVENT WRK-YR
    MM017           HM017 HEALTH PROB PREVENT WRK-MO
    MM030           HM030 REC SSDI/SSI/BOTH
    MM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
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MM032           HM032 SSDI APPLICATION APPROVED
MM033           HM033 SSI APPLICATION APPROVED
MM036           HM036 APPLY OTR DISABILITY
MM037M1         HM037M1 DISABILITY PROGRAMS-1
MM037M2         HM037M2 DISABILITY PROGRAMS-2
MM037M3         HM037M3 DISABILITY PROGRAMS-3
MM040           HM040E SSD 1ST APPL STATUS
MM041           HM041 SSI-AWARD THEN
MM058           HM058 WHICH DISABILITY PROGRAM
MM645           HM645 EVER APPLY FOR SSDI
MM646           HM646 1ST APPLIED SSDI - YR
MM647           HM647 1ST APPLIED SSDI - MO
MM648           HM648 SSDI AWARDED BENEFITS
MM651           HM651 EVER APPLY FOR SSI
MM652           HM652 1ST APPLIED SSI - YR
MM653           HM653 1ST APPLIED SSI - MO
MM654           HM654 SSI AWARDED BENEFITS
MMW233C         HM032A2 SSDI START-MO -2
MMW233D         HM033A2 SSI START-MO -2
MMW233I         HM040J SSDI START-MO -3
MMW233J         SSI START-MO -3
MMW233Q         HM648A1 SSDI START MONTH-1
MMW233S         HM654A1 SSI START MONTH-1
MMW234C         HM032B2 SSDI START-YR -2
MMW234D         HM041K SSI START-YR -2
MMW234I         HM040K SSDI START-YR -3
MMW234J         SSI START-YR -3
MMW234Q         HM648B1 SSDI START YEAR-1
MMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
MMW238B         HM030F2 STILL RECEIVING SSI BENEFITS-1
MMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
MMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
MMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
MMW238J         HM041L STILL RECEIVING SSI BENEFITS -3
MMW238Q         HM648F1 STILL REC SSDI BENS-1
MMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
MMW243A         HM040U SSDI STOP-MO -1
MMW243B         HM030K2 SSI STOP-MO -1
MMW243C         HM032K1 SSDI STOP-MO -2
MMW243D         HM033H1 SSI STOP-MO -2
MMW243I         HM032K2 SSDI STOP-MO -3
MMW243J         HM041R SSI STOP-MO -3
MMW243Q         SSDI STOP MONTH-1
MMW243S         HM654H1 SSI STOP MONTH-1
MMW244A         HM030K1 SSDI STOP-YR
MMW244B         HM030L2 SSI STOP-YR -1
MMW244C         HM030L1 SSDI STOP-YR -2
MMW244D         HM033I1 SSI STOP-YR -2
MMW244I         HM032L1 SSDI STOP-YR -3
MMW244J         HM041S SSI STOP-YR -3
MMW244Q         SSDI STOP YEAR-1
MMW244S         HM654I2 SSI STOP YEAR-1
MMW245A         HM040F SSDI-APPLY AGAIN -1
MMW245B         HM041F SSI-APPLY AGAIN -1
MMW245C         HM032N SSDI-APPLY AGAIN -2
MMW245D         HM033L SSI-APPLY AGAIN -2
MMW245H         HM648N SSDI-APPLY AGAIN-1
MMW245I         HM654J SSI-APPLY AGAIN-1
MMW246A         HM040G SSDI-LAST APPLY MO -1
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    MMW246B         HM041G SSI-LAST APPLY MO -1
    MMW246C         HM032O SSDI-LAST APPLY MO -2
    MMW246D         HM033N SSI-LAST APPLY MO -2
    MMW246G         HM050G OTH PROG-LAST APPLY MO -1
    MMW246H         HM648O SSDI-LAST APPLY MO-1
    MMW246I         HM654K SSI-LAST APPLY MO
    MMW247A         HM040H SSDI-LAST APPLY YR -1
    MMW247B         HM041H SSI-LAST APPLY YR -1
    MMW247C         HM032P SSDI-LAST APPLY YR -2
    MMW247D         HM033O SSI-LAST APPLY YR -2
    MMW247E         HM042H VA-LAST APPLY YR -1
    MMW247H         HM648P SSDI-LAST APPLY YR-1
    MMW247I         HM654L SSI-LAST APPLY YR-1
    MMW248A         HM040I SSDI-AWARD THEN -1
    MMW248B         HM041I SSI-AWARD THEN -1
    MMW248C         HM032Q SSDI-AWARD THEN -2
    MMW248D         HM033P SSI-AWARD THEN -2
    MMW248H         HM648Q SSDI-AWARD THEN-1
    MMW248I         HM654N SSI-AWARD THEN
    MMW249A         HM040A SSD APPLY-MO
    MMW249B         HM041A SSI APPLY-MO
    MMW250A         HM040B SSD APPLY-YR
    MMW250B         HM041B SSI APPLY-YR
    MMW251A         HM040C SSD APPLY SINCE PREV WAVE-MO
    MMW251B         HM041C SSI APPLY SINCE PREV WAVE-MO
    MMW252A         HM040D SSD APPLY SINCE PREV WAVE-YR
    MMW252B         HM041D SSI APPLY SINCE PREV WAVE-YR
HRS 2012:
    NJ014           DISABLED-MO
    NJ015           DISABLED- YR
    NM009           HM009 KEEP FROM WRK 1ST BEGIN-YR
    NM010           HM010 HEALTH PROBLEM FIRST BOTHER-MO
    NM014           HM014 HEALTH PROB INTERFERE-YR
    NM015           HM015 HEALTH PROB INTERFERE-MO
    NM016           HM016 HEALTH PROB PREVENT WRK-YR
    NM017           HM017 HEALTH PROB PREVENT WRK-MO
    NM030           HM030 REC SSDI/SSI/BOTH
    NM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
    NM032           HM032 SSDI APPLICATION APPROVED
    NM033           HM033 SSI APPLICATION APPROVED
    NM036           HM036 APPLY OTR DISABILITY
    NM037M1         HM037M1 DISABILITY PROGRAMS-1
    NM037M2         HM037M2 DISABILITY PROGRAMS-2
    NM037M3         HM037M3 DISABILITY PROGRAMS-3
    NM040           HM040E SSD 1ST APPL STATUS
    NM041           HM041 SSI-AWARD THEN
    NM058           HM058 WHICH DISABILITY PROGRAM
    NM645           HM645 EVER APPLY FOR SSDI
    NM646           HM646 1ST APPLIED SSDI - YR
    NM647           HM647 1ST APPLIED SSDI - MO
    NM648           HM648 SSDI AWARDED BENEFITS
    NM651           HM651 EVER APPLY FOR SSI
    NM652           HM652 1ST APPLIED SSI - YR
    NM653           HM653 1ST APPLIED SSI - MO
    NM654           HM654 SSI AWARDED BENEFITS
    NMW233C         HM032A2 SSDI START-MO -2
    NMW233D         HM033A2 SSI START-MO -2
    NMW233I         HM040J SSDI START-MO -3
    NMW233J         SSI START-MO -3
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NMW233Q         HM648A1 SSDI START MONTH-1
NMW233S         HM654A1 SSI START MONTH-1
NMW234C         HM032B2 SSDI START-YR -2
NMW234D         HM041K SSI START-YR -2
NMW234I         HM040K SSDI START-YR -3
NMW234J         SSI START-YR -3
NMW234Q         HM648B1 SSDI START YEAR-1
NMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
NMW238B         HM030F2 STILL RECEIVING SSI BENEFITS-1
NMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
NMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
NMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
NMW238J         HM041L STILL RECEIVING SSI BENEFITS -3
NMW238Q         HM648F1 STILL REC SSDI BENS-1
NMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
NMW243A         HM040U SSDI STOP-MO -1
NMW243B         HM030K2 SSI STOP-MO -1
NMW243C         HM032K1 SSDI STOP-MO -2
NMW243D         HM033H1 SSI STOP-MO -2
NMW243I         HM032K2 SSDI STOP-MO -3
NMW243J         HM041R SSI STOP-MO -3
NMW243Q         SSDI STOP MONTH-1
NMW243S         HM654H1 SSI STOP MONTH-1
NMW244A         HM030K1 SSDI STOP-YR
NMW244B         HM030L2 SSI STOP-YR -1
NMW244C         HM030L1 SSDI STOP-YR -2
NMW244D         HM033I1 SSI STOP-YR -2
NMW244I         HM032L1 SSDI STOP-YR -3
NMW244J         HM041S SSI STOP-YR -3
NMW244Q         SSDI STOP YEAR-1
NMW244S         HM654I2 SSI STOP YEAR-1
NMW245A         HM040F SSDI-APPLY AGAIN -1
NMW245B         HM041F SSI-APPLY AGAIN -1
NMW245C         HM032N SSDI-APPLY AGAIN -2
NMW245D         HM033L SSI-APPLY AGAIN -2
NMW245H         HM648N SSDI-APPLY AGAIN-1
NMW245I         HM654J SSI-APPLY AGAIN-1
NMW246A         HM040G SSDI-LAST APPLY MO -1
NMW246B         HM041G SSI-LAST APPLY MO -1
NMW246C         HM032O SSDI-LAST APPLY MO -2
NMW246D         HM033N SSI-LAST APPLY MO -2
NMW246G         HM050G OTH PROG-LAST APPLY MO -1
NMW246H         HM648O SSDI-LAST APPLY MO-1
NMW246I         HM654K SSI-LAST APPLY MO
NMW247A         HM040H SSDI-LAST APPLY YR -1
NMW247B         HM041H SSI-LAST APPLY YR -1
NMW247C         HM032P SSDI-LAST APPLY YR -2
NMW247D         HM033O SSI-LAST APPLY YR -2
NMW247E         HM042H VA-LAST APPLY YR -1
NMW247H         HM648P SSDI-LAST APPLY YR-1
NMW247I         HM654L SSI-LAST APPLY YR-1
NMW248A         HM040I SSDI-AWARD THEN -1
NMW248B         HM041I SSI-AWARD THEN -1
NMW248C         HM032Q SSDI-AWARD THEN -2
NMW248D         HM033P SSI-AWARD THEN -2
NMW248H         HM648Q SSDI-AWARD THEN-1
NMW248I         HM654N SSI-AWARD THEN
NMW249A         HM040A SSD APPLY-MO
NMW249B         HM041A SSI APPLY-MO
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    NMW250A         HM040B SSD APPLY-YR
    NMW250B         HM041B SSI APPLY-YR
    NMW251A         HM040C SSD APPLY SINCE PREV WAVE-MO
    NMW251B         HM041C SSI APPLY SINCE PREV WAVE-MO
    NMW252A         HM040D SSD APPLY SINCE PREV WAVE-YR
    NMW252B         HM041D SSI APPLY SINCE PREV WAVE-YR
HRS 2014:
    OJ014           DISABLED-MO
    OJ015           DISABLED- YR
    OM009           HM009 KEEP FROM WRK 1ST BEGIN-YR
    OM010           HM010 HEALTH PROBLEM FIRST BOTHER-MO
    OM014           HM014 HEALTH PROB INTERFERE-YR
    OM015           HM015 HEALTH PROB INTERFERE-MO
    OM016           HM016 HEALTH PROB PREVENT WRK-YR
    OM017           HM017 HEALTH PROB PREVENT WRK-MO
    OM030           HM030 REC SSDI/SSI/BOTH
    OM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
    OM032           HM032 SSDI APPLICATION APPROVED
    OM033           HM033 SSI APPLICATION APPROVED
    OM036           HM036 APPLY OTR DISABILITY
    OM037M1         HM037M1 DISABILITY PROGRAMS-1
    OM037M2         HM037M2 DISABILITY PROGRAMS-2
    OM037M3         HM037M3 DISABILITY PROGRAMS-3
    OM040           HM040E SSD 1ST APPL STATUS
    OM041           HM041 SSI-AWARD THEN
    OM058           HM058 WHICH DISABILITY PROGRAM
    OM645           HM645 EVER APPLY FOR SSDI
    OM646           HM646 1ST APPLIED SSDI - YR
    OM647           HM647 1ST APPLIED SSDI - MO
    OM648           HM648 SSDI AWARDED BENEFITS
    OM651           HM651 EVER APPLY FOR SSI
    OM652           HM652 1ST APPLIED SSI - YR
    OM653           HM653 1ST APPLIED SSI - MO
    OM654           HM654 SSI AWARDED BENEFITS
    OMW233C         HM032A2 SSDI START-MO -2
    OMW233D         HM033A2 SSI START-MO -2
    OMW233I         HM040J SSDI START-MO -3
    OMW233J         SSI START-MO -3
    OMW233Q         HM648A1 SSDI START MONTH-1
    OMW233S         HM654A1 SSI START MONTH-1
    OMW234C         HM032B2 SSDI START-YR -2
    OMW234D         HM041K SSI START-YR -2
    OMW234I         HM040K SSDI START-YR -3
    OMW234J         SSI START-YR -3
    OMW234Q         HM648B1 SSDI START YEAR-1
    OMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    OMW238B         HM030F2 STILL RECEIVING SSI BENEFITS-1
    OMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    OMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    OMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    OMW238J         HM041L STILL RECEIVING SSI BENEFITS -3
    OMW238Q         HM648F1 STILL REC SSDI BENS-1
    OMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
    OMW243A         HM040U SSDI STOP-MO -1
    OMW243B         HM030K2 SSI STOP-MO -1
    OMW243C         HM032K1 SSDI STOP-MO -2
    OMW243D         HM033H1 SSI STOP-MO -2
    OMW243I         HM032K2 SSDI STOP-MO -3
    OMW243J         HM041R SSI STOP-MO -3
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OMW243Q	SSDI STOP MONTH-1
OMW243S	HM654H1 SSI STOP MONTH-1
OMW244A	HM030K1 SSDI STOP-YR
OMW244B	HM030L2 SSI STOP-YR -1
OMW244C	HM030L1 SSDI STOP-YR -2
OMW244D	HM033I1 SSI STOP-YR -2
OMW244I	HM032L1 SSDI STOP-YR -3
OMW244J	HM041S SSI STOP-YR -3
OMW244Q	SSDI STOP YEAR-1
OMW244S	HM654I2 SSI STOP YEAR-1
OMW245A	HM040F SSDI-APPLY AGAIN -1
OMW245B	HM041F SSI-APPLY AGAIN -1
OMW245C	HM032N SSDI-APPLY AGAIN -2
OMW245D	HM033L SSI-APPLY AGAIN -2
OMW245H	HM648N SSDI-APPLY AGAIN-1
OMW245I	HM654J SSI-APPLY AGAIN-1
OMW246A	HM040G SSDI-LAST APPLY MO -1
OMW246B	HM041G SSI-LAST APPLY MO -1
OMW246C	HM032O SSDI-LAST APPLY MO -2
OMW246D	HM033N SSI-LAST APPLY MO -2
OMW246G	HM050G OTH PROG-LAST APPLY MO -1
OMW246H	HM648O SSDI-LAST APPLY MO-1
OMW246I	HM654K SSI-LAST APPLY MO
OMW247A	HM040H SSDI-LAST APPLY YR -1
OMW247B	HM041H SSI-LAST APPLY YR -1
OMW247C	HM032P SSDI-LAST APPLY YR -2
OMW247D	HM033O SSI-LAST APPLY YR -2
OMW247E	HM042H VA-LAST APPLY YR -1
OMW247H	HM648P SSDI-LAST APPLY YR-1
OMW247I	HM654L SSI-LAST APPLY YR-1
OMW248A	HM040I SSDI-AWARD THEN -1
OMW248B	HM041I SSI-AWARD THEN -1
OMW248C	HM032Q SSDI-AWARD THEN -2
OMW248D	HM033P SSI-AWARD THEN -2
OMW248H	HM648Q SSDI-AWARD THEN-1
OMW248I	HM654N SSI-AWARD THEN
OMW249A	HM040A SSD APPLY-MO
OMW249B	HM041A SSI APPLY-MO
OMW250A	HM040B SSD APPLY-YR
OMW250B	HM041B SSI APPLY-YR
OMW251A	HM040C SSD APPLY SINCE PREV WAVE-MO
OMW251B	HM041C SSI APPLY SINCE PREV WAVE-MO
OMW252A	HM040D SSD APPLY SINCE PREV WAVE-YR
OMW252B	HM041D SSI APPLY SINCE PREV WAVE-YR

SSDI, SSI Status (Each Wave)

Wave	Variable	Label	Type
1	R1DSTAT	R1DSTAT:W1 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
2	R2DSTAT	R2DSTAT:W2 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
3	R3DSTAT	R3DSTAT:W3 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
4	R4DSTAT	R4DSTAT:W4 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
5	R5DSTAT	R5DSTAT:W5 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
6	R6DSTAT	R6DSTAT:W6 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
7	R7DSTAT	R7DSTAT:W7 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
8	R8DSTAT	R8DSTAT:W8 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
9	R9DSTAT	R9DSTAT:W9 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
10	R10DSTAT	R10DSTAT:W10 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
11	R11DSTAT	R11DSTAT:W11 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
12	R12DSTAT	R12DSTAT:W12 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
1	S1DSTAT	S1DSTAT:W1 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
2	S2DSTAT	S2DSTAT:W2 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
3	S3DSTAT	S3DSTAT:W3 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
4	S4DSTAT	S4DSTAT:W4 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
5	S5DSTAT	S5DSTAT:W5 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
6	S6DSTAT	S6DSTAT:W6 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
7	S7DSTAT	S7DSTAT:W7 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
8	S8DSTAT	S8DSTAT:W8 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
9	S9DSTAT	S9DSTAT:W9 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
10	S10DSTAT	S10DSTAT:W10 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
11	S11DSTAT	S11DSTAT:W11 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
12	S12DSTAT	S12DSTAT:W12 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DSTAT	12652	9.75	42.29	0.0	200.0
R2DSTAT	11420	11.07	43.62	0.0	200.0
R3DSTAT	10964	13.06	46.91	0.0	200.0
R4DSTAT	21384	8.24	36.73	0.0	200.0
R5DSTAT	19579	4.39	24.62	0.0	200.0
R6DSTAT	18165	2.96	18.29	0.0	200.0
R7DSTAT	20129	2.73	17.03	0.0	200.0
R8DSTAT	18469	2.53	15.90	0.0	200.0
R9DSTAT	17217	2.51	15.92	0.0	200.0
R10DSTAT	22034	2.43	13.65	0.0	200.0
R11DSTAT	20554	2.47	13.44	0.0	200.0
R12DSTAT	18748	2.54	13.27	0.0	200.0
S1DSTAT	9900	7.48	37.25	0.0	200.0
S2DSTAT	8739	8.28	37.79	0.0	200.0
S3DSTAT	8306	10.03	41.38	0.0	200.0
S4DSTAT	13978	6.65	32.68	0.0	200.0
S5DSTAT	12730	3.88	23.18	0.0	200.0
S6DSTAT	11639	2.58	16.73	0.0	200.0
S7DSTAT	12972	2.28	15.13	0.0	200.0
S8DSTAT	11735	2.10	13.99	0.0	200.0
S9DSTAT	10646	2.00	13.67	0.0	200.0
S10DSTAT	13513	1.83	11.56	0.0	200.0
S11DSTAT	12488	1.86	11.17	0.0	200.0
S12DSTAT	11031	1.90	11.20	0.0	200.0

Categorical Variable Codes

Value	R1DSTAT	R2DSTAT	R3DSTAT	R4DSTAT	R5DSTAT	R6DSTAT	R7DSTAT
.Q=Not asked this wv		8222	7027				
0.No activity	11827	10453	9869	19713	18040	16829	18574
1.Applying SSI		3		7	21	24	34
2.Receiving SSI	48	57	64	162	240	202	227
10.Applying SSDI		14		46	111	82	129
11.Applying SSDI + SSI					7	22	52
12.Apply SSDI/Recv SSI					9	9	3
20.Receiving SSDI	165	218	257	471	622	643	753
21.Recv SSDI/Apply SSI					2	1	3
22.Recv SSDI + SSI					74	88	108
100.Applying DK which	24	132	169	310	206	156	141
200.Receiving DK which	588	543	605	675	247	109	105

Value	R8DSTAT	R9DSTAT	R10DSTAT	R11DSTAT	R12DSTAT
0.No activity	17011	15852	19908	18393	16664
1.Applying SSI	39	44	43	52	59
2.Receiving SSI	238	222	280	343	278
10.Applying SSDI	117	128	208	228	244
11.Applying SSDI + SSI	51	53	97	111	130
12.Apply SSDI/Recv SSI	8	5	11	7	9
20.Receiving SSDI	715	644	1104	1073	1037
21.Recv SSDI/Apply SSI	5	3	11	5	10
22.Recv SSDI + SSI	84	82	214	198	192
100.Applying DK which	120	107	89	83	71
200.Receiving DK which	81	77	69	61	54

Value	S1DSTAT	S2DSTAT	S3DSTAT	S4DSTAT	S5DSTAT	S6DSTAT	S7DSTAT
.Q=Not asked this wv		4549	3704				
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	323	537	311	220	380
0.No activity	9414	8185	7679	13060	11886	10908	12156
1.Applying SSI		1		2	12	12	15
2.Receiving SSI	14	14	17	41	69	63	67
10.Applying SSDI		5		34	72	55	92
11.Applying SSDI + SSI					4	10	24
12.Apply SSDI/Recv SSI					7	5	2
20.Receiving SSDI	106	144	158	320	404	416	451
21.Recv SSDI/Apply SSI							2
22.Recv SSDI + SSI					20	23	27
100.Applying DK which	13	86	103	181	113	91	87
200.Receiving DK which	353	304	349	340	143	56	49

Value	S8DSTAT	S9DSTAT	S10DSTAT	S11DSTAT	S12DSTAT
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No activity	10974	9969	12532	11485	10102
1.Applying SSI	16	18	19	24	31
2.Receiving SSI	74	71	88	118	93
10.Applying SSDI	76	72	113	123	133
11.Applying SSDI + SSI	26	26	44	57	46
12.Apply SSDI/Recv SSI	4	3	4	3	4
20.Receiving SSDI	428	377	560	542	501
21.Recv SSDI/Apply SSI	4	2	6	4	7
22.Recv SSDI + SSI	29	21	77	68	63
100.Applying DK which	67	54	41	41	29
200.Receiving DK which	37	33	29	23	22

How Constructed

RwDSTAT indicates whether a Respondent is receiving or applying for Social Security (SSDI) and Supplemental Security Income (SSI) disability at Wave "w." It distinguishes between SSI and SSDI when possible. One variable gives the status for both SSDI and SSI at each wave. If we cannot determine which program is involved, a third category is used to indicate that we don't know.

RwDSTAT is a three-digit variable, where the ones-digit indicates the status of SSI, the tens-digit indicates the status of SSDI, and the hundreds-digit indicates the status of SSDI/SSI but we don't know which program. A one in the appropriate digit indicates that the Respondent has applied, but not been awarded or rejected. A two indicates that the Respondent is receiving benefits, and a zero indicates neither applying nor receiving. The Respondent may have applied in the past and been rejected, or received in the past and benefits ended, or may never have applied. For example, 12 means that the Respondent is applying for SSDI and receiving SSI benefits, and 100 indicates the Respondent is applying for SSDI or SSI or both, but we don't know which program.

Before Wave 5, SSDI and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the Respondent first reports an application, reapplication, or receipt for SSDI or SSI before Wave 5, we do not know which program is involved. But if the receipt or application remains active until Wave 5 or beyond, the Respondent is asked which program, and the statuses for SSDI and SSI can be reported distinctly. In some cases a Respondent reports receiving (or applying for) benefits from SSDI in Wave 5 and reports still receiving benefits at Wave 6, but then reports that the benefits are from SSI or vice versa. In these cases, status is reported for the program type reported in the wave. For example, if the Wave 5 program is SSDI and the Wave 6 program is SSI, then the Wave 5 status is reported for SSDI, and then in Wave 6, for SSI.

SwDSTAT indicates whether the Respondent's spouse is receiving or applying for SSDI or SSI at Wave "w." It is taken from the spouse's self-reported RwDSTAT for Wave "w."

In Wave 2A and 3A, there are no comparable questions, and so for AHEAD, R2DSTAT and R3DSTAT are set to the .Q SAS special missing value to indicate that no information is available.

For more detailed information on disability applications and benefit receipt, please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security disability (SSDI) or Supplemental Security Income in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

In Wave 1, a question asks if the Respondent has ever applied for Social Security disability or SSI, and if yes, whether he/she is receiving benefits. If not, another question asks whether he/she has appealed or re-applied and if so, whether the re-application was approved.

In Waves 2H, 3H and 4, it asks if the Respondent has applied for disability benefits from any government program since the last interview (or ever if it is the first interview) and if yes, asks which programs. In the answers, SSDI and SSI are treated together. If the Respondent reports applying for SSDI/SSI, then the questions follow the same pattern as in Wave 1.

From Wave 5 forward, the question wording is the same but separate questions are asked for the two programs. If the Respondent reports applying for but not receiving SSDI benefits then a question asks whether he/she has appealed or re-applied for SSDI, and if so, when the last re-application was made. If an SSI application without approval is reported,

then another question asks if he/she has appealed or re-applied for SSI and if so, when the last re-application was made.

After Wave 1, re-interviewed Respondents are asked questions about the status of previously reported SSDI/SSI benefit receipt. From Wave 4 forward, re-interviewed Respondents are asked about the status of applications made but unresolved at the prior wave. If a Respondent had applied for SSDI/SSI in a previous wave and the application was still pending, he/she is asked if it was approved. From Wave 5 forward, he/she is first asked what type of benefit was applied for or received, SSDI or SSI. From Wave 5 forward, if the prior wave application was not approved, the Respondent is asked if he/she has appealed or reapplied. These questions are asked before the questions about applying since last interview described above.

In Wave 2A and 3A, there are no comparable questions.

HRS Variables Used

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HRS 1992:
    V4706           J123:EVR APPLD DISAB BEN
    V4709           J123B:AWARDED BENEFITS
    V4710           J123C:APPEAL/APPLY AGAIN
    V4713           J123E:AWARDED BENEFITS
    V4719           J123J:STLL RECVNG BENFTS
HRS 1994:
    W5259           J18.STILL RECEIVING SSD/
    W5268           J23.APPLY FOR OTHER DISA
    W5269           J24.DISABILITY PROGRAM
    W5270           J24.DISABILITY PROGRAM
    W5271           J24.DISABILITY PROGRAM
    W5278           J26b.AWARDED SSD/SSI THE
    W5279           J26c.APPEAL/APPLY LATER
    W5282           J26e.AWARED SSD/SSI THEN
    W5288           J26j.SSD/SSI STILL RECEI
HRS 1996:
    E3580           GD18. RECEIVE SSD/SSI
    E3589           GD23. APPLY OTHER DISABILITY
    E3595M1         GD24. DISABILITY PROGRAMS
    E3595M2         GD24. DISABILITY PROGRAMS
    E3595M3         GD24. DISABILITY PROGRAMS
    E3600           GD26B. SS-AWARD THEN
    E3601           GD26C. SS-APPLY AGAIN
    E3604           GD26E. SS-AWARD THEN
    E3614           GD26J. SS-STILL RECEIVING
HRS 1998:
    F4088           GD18. RECEIVE SSD/SSI
    F4091           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
    F4097           GD18G.STILL RECEIVING BENEFITS
    F4123           GD23. APPLY OTHER DISABILITY
    F4124M1         GD24. DISABILITY PROGRAMS
    F4124M2         GD24. DISABILITY PROGRAMS
    F4124M3         GD24. DISABILITY PROGRAMS
    F4129           GD26B. SS-AWARD THEN
    F4130           GD26C. SS-APPLY AGAIN
    F4133           GD26E. SSI-AWARD THEN
    F4139           GD26J. SS-STILL RECEIVING
    F4489           GJ123.EVER APPLY FOR SSD OR SSI
    F4492           GJ123B.SS AWARDED BENEFITS
    F4493           GJ123C.SS APPEALED OR APPLY AGAIN
    F4496           GJ123E.SS AWARDED THEN
    F4502           GJ123J.STILL RECEIVING BENEFITS
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HRS 2000:
    G4373           GD18. RECEIVE SSD/SSI
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4383           GD18BA. REC`D SSI BENEFITS
    G4389           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
    G4390           GD18CA. SSDI APPLICATION APPROVED
    G4396           GD18CG.STILL RECEIVING SSDI BENEFITS
    G4400           GD18DA. SSDI-APPLY AGAIN
    G4403           GD18DD. SSDI-AWARD THEN
    G4409           GD18DK.STILL RECEIVING SSDI BENEFITS
    G4413           GD18EA. SSI APPLICATION APPROVED
    G4416           GD18ED.STILL RECEIVING SSI BENEFITS
    G4420           GD18EH. SSI-APPLY AGAIN
    G4423           GD18EM. SSI-AWARD THEN
    G4426           GD18EQ.STILL RECEIVING SSI BENEFITS
    G4453           GD23. APPLY OTHER DISABILITY
    G4454M1         GD24. DISABILITY PROGRAMS
    G4454M2         GD24. DISABILITY PROGRAMS
    G4454M3         GD24. DISABILITY PROGRAMS
    G4459           GD26B.SSD 1ST APPL STATUS
    G4460           GD26C.SSD WHETHER APPLIED AGAIN
    G4463           GD26E.SSD LAST APPLICATION STATUS
    G4466           GD26G.SSD-STILL RECEIVING
    G4477           GD27B. SSI-AWARD THEN
    G4478           GD27C. SSI-APPLY AGAIN
    G4481           GD27E. SSI-AWARD THEN
    G4484           GD27G. SSI-STILL RECEIVING
    G4862           GJ123.EVER APPLY FOR SSDI
    G4865           GJ123B.SSDI AWARDED BENEFITS
    G4866           GJ123C.SSDI APPEALED OR APPLY AGAIN
    G4869           GJ123E.SSDI AWARDED THEN
    G4875           GJ123J.STILL RECEIVING BENEFITS
    G4881           GJ125.EVER APPLY FOR SSI
    G4884           GJ125B.SSI AWARDED BENEFITS
    G4885           GJ125C.SSI APPEALED OR APPLY AGAIN
    G4888           GJ125E.SSI AWARDED THEN
    G4894           GJ125G.STILL RECEIVING BENEFITS
HRS 2002:
    HM032           HM032 SSDI APPLICATION APPROVED
    HM032F1         HM032F1 STILL RECEIVING SSDI BENEFITS
    HM032F2         HM032F2 STILL RECEIVING SSDI BENEFITS
    HM032N          HM032N SSDI-APPLY AGAIN
    HM032Q          HM032Q SSDI-AWARD THEN
    HM033           HM033 SSI APPLICATION APPROVED
    HM033C1         HM033C1 STILL RECEIVING SSI BENEFITS
    HM033C2         HM033C2 STILL RECEIVING SSI BENEFITS
    HM033L          HM033L SSI-APPLY AGAIN
    HM033P          HM033P SSI-AWARD THEN
    HM037M1         HM037M1 DISABILITY PROGRAMS-1
    HM037M2         HM037M2 DISABILITY PROGRAMS-2
    HM037M3         HM037M3 DISABILITY PROGRAMS-3
    HM040E          HM040E SSD 1ST APPL STATUS
    HM040I          HM040I SSDI-AWARD THEN
    HM041           HM041 SSI-AWARD THEN
    HM041I          HM041I SSI-AWARD THEN
    HM058           HM058 WHICH DISABILITY PROGRAM
    HM645           EVER APPLY FOR SSDI
    HM648           SSDI AWARDED BENEFITS
    HM648F1         STILL RECEIVING SSDI BENEFITS-1
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    HM648N          SSDI-APPLY AGAIN
    HM648Q          SSDI-AWARD THEN
    HM651           EVER APPLY FOR SSI
    HM654           SSI AWARDED BENEFITS
    HM654A1         SSI START MONTH-1
    HM654B1         SSI START YEAR-1
    HM654C1         STILL RECEIVING SSI BENEFITS-1
    HM654J          SSI-APPLY AGAIN
    HM654N          SSI-AWARD THEN
HRS 2004:
    JM032           HM032 SSDI APPLICATION APPROVED
    JM033           HM033 SSI APPLICATION APPROVED
    JM037M1         HM037M1 DISABILITY PROGRAMS-1
    JM037M2         HM037M2 DISABILITY PROGRAMS-2
    JM037M3         HM037M3 DISABILITY PROGRAMS-3
    JM040           HM040E SSD 1ST APPL STATUS
    JM041           HM041 SSI-AWARD THEN
    JM058           HM058 WHICH DISABILITY PROGRAM
    JM645           HM645 EVER APPLY FOR SSDI
    JM648           HM648 SSDI AWARDED BENEFITS
    JM651           HM651 EVER APPLY FOR SSI
    JM654           HM654 SSI AWARDED BENEFITS
    JMW233S         HM654A1 SSI START MONTH-1
    JMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    JMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    JMW238Q         HM648F1 STILL REC SSDI BENS-1
    JMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
    JMW244S         HM654I2 SSI STOP YEAR-1
    JMW245B         HM041F SSI-APPLY AGAIN -1
    JMW245C         HM032N SSDI-APPLY AGAIN -2
    JMW245D         HM033L SSI-APPLY AGAIN -2
    JMW245H         HM648N SSDI-APPLY AGAIN-1
    JMW245I         HM654J SSI-APPLY AGAIN-1
    JMW248A         HM040I SSDI-AWARD THEN -1
    JMW248B         HM041I SSI-AWARD THEN -1
    JMW248C         HM032Q SSDI-AWARD THEN -2
    JMW248D         HM033P SSI-AWARD THEN -2
    JMW248H         HM648Q SSDI-AWARD THEN-1
    JMW248I         HM654N SSI-AWARD THEN
HRS 2006:
    KM032           HM032 SSDI APPLICATION APPROVED
    KM033           HM033 SSI APPLICATION APPROVED
    KM037M1         HM037M1 DISABILITY PROGRAMS-1
    KM037M2         HM037M2 DISABILITY PROGRAMS-2
    KM037M3         HM037M3 DISABILITY PROGRAMS-3
    KM040           HM040E SSD 1ST APPL STATUS
    KM041           HM041 SSI-AWARD THEN
    KM058           HM058 WHICH DISABILITY PROGRAM
    KM645           HM645 EVER APPLY FOR SSDI
    KM648           HM648 SSDI AWARDED BENEFITS
    KM651           HM651 EVER APPLY FOR SSI
    KM654           HM654 SSI AWARDED BENEFITS
    KMW233S         HM654A1 SSI START MONTH-1
    KMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    KMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    KMW238Q         HM648F1 STILL REC SSDI BENS-1
    KMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
    KMW244S         HM654I2 SSI STOP YEAR-1
    KMW245B         HM041F SSI-APPLY AGAIN -1
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    KMW245C         HM032N SSDI-APPLY AGAIN -2
    KMW245D         HM033L SSI-APPLY AGAIN -2
    KMW245H         HM648N SSDI-APPLY AGAIN-1
    KMW245I         HM654J SSI-APPLY AGAIN-1
    KMW248A         HM040I SSDI-AWARD THEN -1
    KMW248B         HM041I SSI-AWARD THEN -1
    KMW248C         HM032Q SSDI-AWARD THEN -2
    KMW248D         HM033P SSI-AWARD THEN -2
    KMW248H         HM648Q SSDI-AWARD THEN-1
    KMW248I         HM654N SSI-AWARD THEN
HRS 2008:
    LM032           HM032 SSDI APPLICATION APPROVED
    LM033           HM033 SSI APPLICATION APPROVED
    LM037M1         HM037M1 DISABILITY PROGRAMS-1
    LM037M2         HM037M2 DISABILITY PROGRAMS-2
    LM037M3         HM037M3 DISABILITY PROGRAMS-3
    LM040           HM040E SSD 1ST APPL STATUS
    LM041           HM041 SSI-AWARD THEN
    LM058           HM058 WHICH DISABILITY PROGRAM
    LM645           HM645 EVER APPLY FOR SSDI
    LM648           HM648 SSDI AWARDED BENEFITS
    LM651           HM651 EVER APPLY FOR SSI
    LM654           HM654 SSI AWARDED BENEFITS
    LMW233S         HM654A1 SSI START MONTH-1
    LMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    LMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    LMW238Q         HM648F1 STILL REC SSDI BENS-1
    LMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
    LMW244S         HM654I2 SSI STOP YEAR-1
    LMW245B         HM041F SSI-APPLY AGAIN -1
    LMW245C         HM032N SSDI-APPLY AGAIN -2
    LMW245D         HM033L SSI-APPLY AGAIN -2
    LMW245H         HM648N SSDI-APPLY AGAIN-1
    LMW245I         HM654J SSI-APPLY AGAIN-1
    LMW248A         HM040I SSDI-AWARD THEN -1
    LMW248B         HM041I SSI-AWARD THEN -1
    LMW248C         HM032Q SSDI-AWARD THEN -2
    LMW248D         HM033P SSI-AWARD THEN -2
    LMW248H         HM648Q SSDI-AWARD THEN-1
    LMW248I         HM654N SSI-AWARD THEN
HRS 2010:
    MM032           HM032 SSDI APPLICATION APPROVED
    MM033           HM033 SSI APPLICATION APPROVED
    MM037M1         HM037M1 DISABILITY PROGRAMS-1
    MM037M2         HM037M2 DISABILITY PROGRAMS-2
    MM037M3         HM037M3 DISABILITY PROGRAMS-3
    MM040           HM040E SSD 1ST APPL STATUS
    MM041           HM041 SSI-AWARD THEN
    MM058           HM058 WHICH DISABILITY PROGRAM
    MM645           HM645 EVER APPLY FOR SSDI
    MM648           HM648 SSDI AWARDED BENEFITS
    MM651           HM651 EVER APPLY FOR SSI
    MM654           HM654 SSI AWARDED BENEFITS
    MMW233S         HM654A1 SSI START MONTH-1
    MMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    MMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    MMW238Q         HM648F1 STILL REC SSDI BENS-1
    MMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
    MMW244S         HM654I2 SSI STOP YEAR-1
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    MMW245B         HM041F SSI-APPLY AGAIN -1
    MMW245C         HM032N SSDI-APPLY AGAIN -2
    MMW245D         HM033L SSI-APPLY AGAIN -2
    MMW245H         HM648N SSDI-APPLY AGAIN-1
    MMW245I         HM654J SSI-APPLY AGAIN-1
    MMW248A         HM040I SSDI-AWARD THEN -1
    MMW248B         HM041I SSI-AWARD THEN -1
    MMW248C         HM032Q SSDI-AWARD THEN -2
    MMW248D         HM033P SSI-AWARD THEN -2
    MMW248H         HM648Q SSDI-AWARD THEN-1
    MMW248I         HM654N SSI-AWARD THEN
HRS 2012:
    NM032           HM032 SSDI APPLICATION APPROVED
    NM033           HM033 SSI APPLICATION APPROVED
    NM037M1         HM037M1 DISABILITY PROGRAMS-1
    NM037M2         HM037M2 DISABILITY PROGRAMS-2
    NM037M3         HM037M3 DISABILITY PROGRAMS-3
    NM040           HM040E SSD 1ST APPL STATUS
    NM041           HM041 SSI-AWARD THEN
    NM058           HM058 WHICH DISABILITY PROGRAM
    NM645           HM645 EVER APPLY FOR SSDI
    NM648           HM648 SSDI AWARDED BENEFITS
    NM651           HM651 EVER APPLY FOR SSI
    NM654           HM654 SSI AWARDED BENEFITS
    NMW233S         HM654A1 SSI START MONTH-1
    NMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    NMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    NMW238Q         HM648F1 STILL REC SSDI BENS-1
    NMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
    NMW244S         HM654I2 SSI STOP YEAR-1
    NMW245B         HM041F SSI-APPLY AGAIN -1
    NMW245C         HM032N SSDI-APPLY AGAIN -2
    NMW245D         HM033L SSI-APPLY AGAIN -2
    NMW245H         HM648N SSDI-APPLY AGAIN-1
    NMW245I         HM654J SSI-APPLY AGAIN-1
    NMW248A         HM040I SSDI-AWARD THEN -1
    NMW248B         HM041I SSI-AWARD THEN -1
    NMW248C         HM032Q SSDI-AWARD THEN -2
    NMW248D         HM033P SSI-AWARD THEN -2
    NMW248H         HM648Q SSDI-AWARD THEN-1
    NMW248I         HM654N SSI-AWARD THEN
HRS 2014:
    OM032           HM032 SSDI APPLICATION APPROVED
    OM033           HM033 SSI APPLICATION APPROVED
    OM037M1         HM037M1 DISABILITY PROGRAMS-1
    OM037M2         HM037M2 DISABILITY PROGRAMS-2
    OM037M3         HM037M3 DISABILITY PROGRAMS-3
    OM040           HM040E SSD 1ST APPL STATUS
    OM041           HM041 SSI-AWARD THEN
    OM058           HM058 WHICH DISABILITY PROGRAM
    OM645           HM645 EVER APPLY FOR SSDI
    OM648           HM648 SSDI AWARDED BENEFITS
    OM651           HM651 EVER APPLY FOR SSI
    OM654           HM654 SSI AWARDED BENEFITS
    OMW233S         HM654A1 SSI START MONTH-1
    OMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    OMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    OMW238Q         HM648F1 STILL REC SSDI BENS-1
    OMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
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OMW244S         HM654I2 SSI STOP YEAR-1
OMW245B         HM041F SSI-APPLY AGAIN -1
OMW245C         HM032N SSDI-APPLY AGAIN -2
OMW245D         HM033L SSI-APPLY AGAIN -2
OMW245H         HM648N SSDI-APPLY AGAIN-1
OMW245I         HM654J SSI-APPLY AGAIN-1
OMW248A         HM040I SSDI-AWARD THEN -1
OMW248B         HM041I SSI-AWARD THEN -1
OMW248C         HM032Q SSDI-AWARD THEN -2
OMW248D         HM033P SSI-AWARD THEN -2
OMW248H         HM648Q SSDI-AWARD THEN-1
OMW248I         HM654N SSI-AWARD THEN
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Respondent is Receiving SSDI (Each Wave)

Wave	Variable	Label	Type
1	R1SSDI	R1SSDI:W1 R IS RECEIVING SSDI	Categ
2	R2SSDI	R2SSDI:W2 R IS RECEIVING SSDI	Categ
3	R3SSDI	R3SSDI:W3 R IS RECEIVING SSDI	Categ
4	R4SSDI	R4SSDI:W4 R IS RECEIVING SSDI	Categ
5	R5SSDI	R5SSDI:W5 R IS RECEIVING SSDI	Categ
6	R6SSDI	R6SSDI:W6 R IS RECEIVING SSDI	Categ
7	R7SSDI	R7SSDI:W7 R IS RECEIVING SSDI	Categ
8	R8SSDI	R8SSDI:W8 R IS RECEIVING SSDI	Categ
9	R9SSDI	R9SSDI:W9 R IS RECEIVING SSDI	Categ
10	R10SSDI	R10SSDI:W10 R IS RECEIVING SSDI	Categ
11	R11SSDI	R11SSDI:W11 R IS RECEIVING SSDI	Categ
12	R12SSDI	R12SSDI:W12 R IS RECEIVING SSDI	Categ
1	S1SSDI	S1SSDI:W1 S IS RECEIVING SSDI	Categ
2	S2SSDI	S2SSDI:W2 S IS RECEIVING SSDI	Categ
3	S3SSDI	S3SSDI:W3 S IS RECEIVING SSDI	Categ
4	S4SSDI	S4SSDI:W4 S IS RECEIVING SSDI	Categ
5	S5SSDI	S5SSDI:W5 S IS RECEIVING SSDI	Categ
6	S6SSDI	S6SSDI:W6 S IS RECEIVING SSDI	Categ
7	S7SSDI	S7SSDI:W7 S IS RECEIVING SSDI	Categ
8	S8SSDI	S8SSDI:W8 S IS RECEIVING SSDI	Categ
9	S9SSDI	S9SSDI:W9 S IS RECEIVING SSDI	Categ
10	S10SSDI	S10SSDI:W10 S IS RECEIVING SSDI	Categ
11	S11SSDI	S11SSDI:W11 S IS RECEIVING SSDI	Categ
12	S12SSDI	S12SSDI:W12 S IS RECEIVING SSDI	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SSDI	12652	0.04	0.21	0.0	1.0
R2SSDI	19642	0.04	0.19	0.0	1.0
R3SSDI	17991	0.04	0.20	0.0	1.0
R4SSDI	21384	0.04	0.19	0.0	1.0
R5SSDI	19579	0.04	0.19	0.0	1.0
R6SSDI	18165	0.04	0.21	0.0	1.0
R7SSDI	20129	0.05	0.21	0.0	1.0
R8SSDI	18469	0.05	0.21	0.0	1.0
R9SSDI	17217	0.05	0.21	0.0	1.0
R10SSDI	22034	0.06	0.24	0.0	1.0
R11SSDI	20554	0.06	0.25	0.0	1.0
R12SSDI	18748	0.07	0.25	0.0	1.0
S1SSDI	9900	0.04	0.19	0.0	1.0
S2SSDI	13088	0.03	0.18	0.0	1.0
S3SSDI	11915	0.04	0.19	0.0	1.0
S4SSDI	13978	0.03	0.18	0.0	1.0
S5SSDI	12730	0.03	0.18	0.0	1.0
S6SSDI	11639	0.04	0.20	0.0	1.0
S7SSDI	12972	0.04	0.19	0.0	1.0
S8SSDI	11735	0.04	0.20	0.0	1.0
S9SSDI	10646	0.04	0.20	0.0	1.0
S10SSDI	13513	0.05	0.22	0.0	1.0
S11SSDI	12488	0.05	0.22	0.0	1.0
S12SSDI	11031	0.05	0.23	0.0	1.0

Categorical Variable Codes

Value	R1SSDI	R2SSDI	R3SSDI	R4SSDI	R5SSDI	R6SSDI	R7SSDI
0.No	12086	18911	17235	20622	18853	17352	19219
1.Yes	566	731	756	762	726	813	910

Value	R8SSDI	R9SSDI	R10SSDI	R11SSDI	R12SSDI
0.No	17590	16442	20646	19223	17462
1.Yes	879	775	1388	1331	1286

Value	S1SSDI	S2SSDI	S3SSDI	S4SSDI	S5SSDI	S6SSDI	S7SSDI
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	9521	12645	11489	13511	12287	11139	12462
1.Yes	379	443	426	467	443	500	510

Value	S8SSDI	S9SSDI	S10SSDI	S11SSDI	S12SSDI
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11220	10218	12831	11846	10430
1.Yes	515	428	682	642	601

How Constructed

RwSSDI indicates whether a Respondent is receiving Social Security disability income (SSDI) at Wave "w." It is derived from RwDSTAT (SSDI, SSI Status, from Disability section) and RwIOSDI (Receives SSDI, See the "RAND Income and Wealth Imputation File Codebook," available on the HRS website http://hrsonline.isr.umich.edu)

RwSSDI equals 1 if RwDSTAT equals 20."Receiving SSDI", 21."Receiving SSDI/Applying SSI" or 22."Receiving SSDI and SSI". We do not assign RwSSDI to be one if we we cannot determine which program is involved. For more information please refer to the documentation for RwDSTAT.

RwSSDI is also one if RwIOSDI is 1."Receives Income from SSDI". This variable does include imputed values. The imputation flag RwIFSDI indicates whether the component is imputed, and if so, how much information is available for imputation. For more information about RwIOSDI and RwIFSDI, please refer to the "RAND Income and Wealth Imputation File Codebook", available on the HRS website http://hrsonline.isr.umich.edu

SwSSDI indicates whether the Respondent's spouse is receiving SSDI at Wave "w." It is taken from the spouse's self-reported RwSSDI for Wave "w."

For more detailed information on disability applications and benefit receipt, please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security disability (SSDI) or Supplemental Security Income in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately. If we we cannot determine which disability program is involved, RwSSDI is not set to one.

The income section of the HRS also asks questions about whether the Respondent has applied for disability benefits from Social Security disability (SSDI) in every wave. Receipt of benefits in the income section are based on the last calendar year, unlike the disability section, where benefits are reported from the Respondents last interview.

SSDI, SSI Amount Receiving (Each Wave)

Wave	Variable	Label	Type
5	R5DSSAMT	R5DSSAMT:W5 AMT RECEIVED LAST MONTH SSDI	Cont
6	R6DSSAMT	R6DSSAMT:W6 AMT RECEIVED LAST MONTH SSDI	Cont
7	R7DSSAMT	R7DSSAMT:W7 AMT RECEIVED LAST MONTH SSDI	Cont
8	R8DSSAMT	R8DSSAMT:W8 AMT RECEIVED LAST MONTH SSDI	Cont
9	R9DSSAMT	R9DSSAMT:W9 AMT RECEIVED LAST MONTH SSDI	Cont
10	R10DSSAMT	R10DSSAMT:W10 AMT RECEIVED LAST MONTH SSDI	Cont
11	R11DSSAMT	R11DSSAMT:W11 AMT RECEIVED LAST MONTH SSDI	Cont
12	R12DSSAMT	R12DSSAMT:W12 AMT RECEIVED LAST MONTH SSDI	Cont
5	S5DSSAMT	S5DSSAMT:W5 AMT RECEIVED LAST MONTH SSDI	Cont
6	S6DSSAMT	S6DSSAMT:W6 AMT RECEIVED LAST MONTH SSDI	Cont
7	S7DSSAMT	S7DSSAMT:W7 AMT RECEIVED LAST MONTH SSDI	Cont
8	S8DSSAMT	S8DSSAMT:W8 AMT RECEIVED LAST MONTH SSDI	Cont
9	S9DSSAMT	S9DSSAMT:W9 AMT RECEIVED LAST MONTH SSDI	Cont
10	S10DSSAMT	S10DSSAMT:W10 AMT RECEIVED LAST MONTH SSDI	Cont
11	S11DSSAMT	S11DSSAMT:W11 AMT RECEIVED LAST MONTH SSDI	Cont
12	S12DSSAMT	S12DSSAMT:W12 AMT RECEIVED LAST MONTH SSDI	Cont
5	R5DSIAMT	R5DSIAMT:W5 AMT RECEIVED LAST MONTH SSI	Cont
6	R6DSIAMT	R6DSIAMT:W6 AMT RECEIVED LAST MONTH SSI	Cont
7	R7DSIAMT	R7DSIAMT:W7 AMT RECEIVED LAST MONTH SSI	Cont
8	R8DSIAMT	R8DSIAMT:W8 AMT RECEIVED LAST MONTH SSI	Cont
9	R9DSIAMT	R9DSIAMT:W9 AMT RECEIVED LAST MONTH SSI	Cont
10	R10DSIAMT	R10DSIAMT:W10 AMT RECEIVED LAST MONTH SSI	Cont
11	R11DSIAMT	R11DSIAMT:W11 AMT RECEIVED LAST MONTH SSI	Cont
12	R12DSIAMT	R12DSIAMT:W12 AMT RECEIVED LAST MONTH SSI	Cont
5	S5DSIAMT	S5DSIAMT:W5 AMT RECEIVED LAST MONTH SSI	Cont
6	S6DSIAMT	S6DSIAMT:W6 AMT RECEIVED LAST MONTH SSI	Cont
7	S7DSIAMT	S7DSIAMT:W7 AMT RECEIVED LAST MONTH SSI	Cont
8	S8DSIAMT	S8DSIAMT:W8 AMT RECEIVED LAST MONTH SSI	Cont
9	S9DSIAMT	S9DSIAMT:W9 AMT RECEIVED LAST MONTH SSI	Cont
10	S10DSIAMT	S10DSIAMT:W10 AMT RECEIVED LAST MONTH SSI	Cont
11	S11DSIAMT	S11DSIAMT:W11 AMT RECEIVED LAST MONTH SSI	Cont
12	S12DSIAMT	S12DSIAMT:W12 AMT RECEIVED LAST MONTH SSI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5DSSAMT	686	684.92	328.92	0.0	1744.0
R6DSSAMT	770	755.57	352.62	0.0	3000.0
R7DSSAMT	685	817.51	439.43	0.0	7000.0
R8DSSAMT	746	860.40	396.43	0.0	2800.0
R9DSSAMT	636	913.06	429.57	0.0	3200.0
R10DSSAMT	1189	946.20	436.50	0.0	3500.0
R11DSSAMT	1091	1025.79	533.95	0.0	6000.0
R12DSSAMT	1061	1057.34	527.51	0.0	8250.0
S5DSSAMT	415	725.75	340.68	0.0	1744.0
S6DSSAMT	490	795.79	375.22	0.0	3000.0
S7DSSAMT	387	880.72	496.79	0.0	7000.0
S8DSSAMT	452	913.54	415.46	0.0	2800.0
S9DSSAMT	366	962.83	444.35	0.0	3200.0
S10DSSAMT	591	980.23	479.06	0.0	3500.0
S11DSSAMT	543	1078.45	550.85	0.0	4187.0
S12DSSAMT	501	1130.35	625.38	0.0	8250.0
R5DSIAMT	298	376.20	244.77	0.0	1384.0

R6DSIAMT	292	374.00	275.88	0.0	1900.0
R7DSIAMT	252	415.96	266.54	0.0	1667.0
R8DSIAMT	272	454.18	313.53	0.0	2000.0
R9DSIAMT	247	507.31	339.40	0.0	1800.0
R10DSIAMT	453	558.81	579.02	0.0	9996.0
R11DSIAMT	464	582.35	484.10	0.0	5000.0
R12DSIAMT	405	549.55	449.43	0.0	6000.0
S5DSIAMT	86	387.78	268.60	0.0	1384.0
S6DSIAMT	94	396.49	335.26	0.0	1900.0
S7DSIAMT	77	398.66	281.19	8.0	1667.0
S8DSIAMT	90	433.29	371.35	0.0	2000.0
S9DSIAMT	87	523.84	392.47	4.0	1800.0
S10DSIAMT	160	593.26	863.04	0.0	9996.0
S11DSIAMT	167	610.34	617.81	0.0	5000.0
S12DSIAMT	142	586.26	563.07	0.0	6000.0

How Constructed

RwDSSAMT is the amount a Respondent reports receiving from Social Security Disability (SSDI) at Wave "w." RwDSIAMT is the amount a Respondent reports receiving from Supplemental Security Income (SSI) disability at Wave "w." These variables are available beginning in Wave 5. They are simply taken from the amounts reported in the raw data, recoded for missing values. Please note a respondent reports a value for R10DSIAMT of 9996. While this is close in proximity to raw variable special missing values of 9998 and 9999, 9996 is a possible valid value and has been verified by HRS.

A Respondent may be receiving benefits from either program or both. A separate variable RwDSTAT indicates whether a Respondent is receiving benefits at Wave "w." Please see "SSDI/SSI Status" for information on the RwDSTAT variables. If benefits ended between the current and prior interview, the amount reported is for the last month when benefits were received.

SwDSSAMT and SwDSIAMT indicate whether the Respondent's spouse is receiving or applying for SSDI or SSI at Wave "w." It is taken from the spouse's self-reported RwDSSAMT and RwDSIAMT for Wave "w."

For more detailed information on disability applications and benefit receipt please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

Beginning in Wave 5, Respondents who are receiving SSDI or SSI benefits are asked how much they receive each month. If they report benefits have stopped, they are asked how much they received in the last month that they received benefits. Beginning in Wave 7, it is also recorded whether an SSDI benefit has converted to Social Security. Those who converted to Social Security have SSDI as their disability type, and the amount they received for disability is for their last month with SSDI.

HRS Variables Used

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HRS 2000:
    G4375           GD18AB. SSDI AMOUNT REC`D
    G4384           GD18BB. SSI AMOUNT REC`D
    G4397           GD18CH. SSDI AMOUNT REC`D
    G4410           GD18DM. SSDI AMOUNT REC`D
    G4417           GD18EE. SSI AMOUNT REC`D
    G4427           GD18ER. SSI AMOUNT REC`D
    G4467           GD26H.SSD AMOUNT REC`D
    G4485           GD27H.SSI AMOUNT REC`D
    G4876           GJ123JA. SSDI BENEFITS AMOUNT REC`D
    G4895           GJ125H. SSI BENEFITS AMOUNT REC`D
HRS 2002:
    HM030G1         HM030G1 SSDI AMOUNT REC_D
    HM030G2         HM030G2 SSI AMOUNT REC_D
    HM032G1         HM032G1 SSDI AMOUNT REC_D
    HM032G2         HM032G2 SSDI AMOUNT REC_D
    HM033D1         HM033D1 SSI AMOUNT REC_D
    HM033D2         HM033D2 SSI AMOUNT REC_D
    HM040Q          HM040Q SSDI AMOUNT REC_D
    HM041N          HM041N SSI AMOUNT REC_D
    HM648G1         SSDI AMOUNT RECEIVED-1
    HM654D1         SSI AMOUNT RECEIVED-1
HRS 2004:
    JMW239A         HM040Q SSDI AMOUNT REC_D -1
    JMW239B         HM030G2 SSI AMOUNT REC_D -1
    JMW239C         HM032G1 SSDI AMOUNT REC_D -2
    JMW239D         HM033D1 SSI AMOUNT REC_D -2
    JMW239I         HM030G1 SSDI AMOUNT REC_D -3
    JMW239J         HM041N SSI AMOUNT REC_D -3
    JMW239Q         HM648G1 SSDI AMOUNT RECEIVED-1
    JMW239S         HM654D1 SSI AMOUNT RECEIVED-1
HRS 2006:
    KMW239A         HM040Q SSDI AMOUNT REC_D -1
    KMW239B         HM030G2 SSI AMOUNT REC_D -1
    KMW239C         HM032G1 SSDI AMOUNT REC_D -2
    KMW239D         HM033D1 SSI AMOUNT REC_D -2
    KMW239I         HM030G1 SSDI AMOUNT REC_D -3
    KMW239J         HM041N SSI AMOUNT REC_D -3
    KMW239Q         HM648G1 SSDI AMOUNT RECEIVED-1
    KMW239S         HM654D1 SSI AMOUNT RECEIVED-1
HRS 2008:
    LMW239A         HM040Q SSDI AMOUNT REC_D -1
    LMW239B         HM030G2 SSI AMOUNT REC_D -1
    LMW239C         HM032G1 SSDI AMOUNT REC_D -2
    LMW239D         HM033D1 SSI AMOUNT REC_D -2
    LMW239I         HM030G1 SSDI AMOUNT REC_D -3
    LMW239J         HM041N SSI AMOUNT REC_D -3
    LMW239Q         HM648G1 SSDI AMOUNT RECEIVED-1
    LMW239S         HM654D1 SSI AMOUNT RECEIVED-1
HRS 2010:
    MMW239A         HM040Q SSDI AMOUNT REC_D -1
    MMW239B         HM030G2 SSI AMOUNT REC_D -1
    MMW239C         HM032G1 SSDI AMOUNT REC_D -2
    MMW239D         HM033D1 SSI AMOUNT REC_D -2
    MMW239I         HM030G1 SSDI AMOUNT REC_D -3
    MMW239J         HM041N SSI AMOUNT REC_D -3
    MMW239Q         HM648G1 SSDI AMOUNT RECEIVED-1
    MMW239S         HM654D1 SSI AMOUNT RECEIVED-1
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HRS 2012:
    NMW239A         HM040Q SSDI AMOUNT REC_D -1
    NMW239B         HM030G2 SSI AMOUNT REC_D -1
    NMW239C         HM032G1 SSDI AMOUNT REC_D -2
    NMW239D         HM033D1 SSI AMOUNT REC_D -2
    NMW239I         HM030G1 SSDI AMOUNT REC_D -3
    NMW239J         HM041N SSI AMOUNT REC_D -3
    NMW239Q         HM648G1 SSDI AMOUNT RECEIVED-1
    NMW239S         HM654D1 SSI AMOUNT RECEIVED-1
HRS 2014:
    OMW239A         HM040Q SSDI AMOUNT REC_D -1
    OMW239B         HM030G2 SSI AMOUNT REC_D -1
    OMW239C         HM032G1 SSDI AMOUNT REC_D -2
    OMW239D         HM033D1 SSI AMOUNT REC_D -2
    OMW239I         HM030G1 SSDI AMOUNT REC_D -3
    OMW239J         HM041N SSI AMOUNT REC_D -3
    OMW239Q         HM648G1 SSDI AMOUNT RECEIVED-1
    OMW239S         HM654D1 SSI AMOUNT RECEIVED-1
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Predicted SS wealth of Pre-retirees

Wave	Variable	Label	Type
1	R1SSWRER	R1SSWRER:W1 R SS wealth based on own earnings, claiming at 62	Cont
4	R4SSWRER	R4SSWRER:W4 R SS wealth based on own earnings, claiming at 62	Cont
7	R7SSWRER	R7SSWRER:W7 R SS wealth based on own earnings, claiming at 62	Cont
1	S1SSWRER	S1SSWRER:W1 S SS wealth based on own earnings, claiming at 62	Cont
4	S4SSWRER	S4SSWRER:W4 S SS wealth based on own earnings, claiming at 62	Cont
7	S7SSWRER	S7SSWRER:W7 S SS wealth based on own earnings, claiming at 62	Cont
1	R1SSWRNR	R1SSWRNR:W1 R SS wealth based on own earnings, claiming at NRA	Cont
4	R4SSWRNR	R4SSWRNR:W4 R SS wealth based on own earnings, claiming at NRA	Cont
7	R7SSWRNR	R7SSWRNR:W7 R SS wealth based on own earnings, claiming at NRA	Cont
1	S1SSWRNR	S1SSWRNR:W1 S SS wealth based on own earnings, claiming at NRA	Cont
4	S4SSWRNR	S4SSWRNR:W4 S SS wealth based on own earnings, claiming at NRA	Cont
7	S7SSWRNR	S7SSWRNR:W7 S SS wealth based on own earnings, claiming at NRA	Cont
1	R1SSWRXA	R1SSWRXA:W1 R SS wealth based on own earnings, claiming at 70	Cont
4	R4SSWRXA	R4SSWRXA:W4 R SS wealth based on own earnings, claiming at 70	Cont
7	R7SSWRXA	R7SSWRXA:W7 R SS wealth based on own earnings, claiming at 70	Cont
1	S1SSWRXA	S1SSWRXA:W1 S SS wealth based on own earnings, claiming at 70	Cont
4	S4SSWRXA	S4SSWRXA:W4 S SS wealth based on own earnings, claiming at 70	Cont
7	S7SSWRXA	S7SSWRXA:W7 S SS wealth based on own earnings, claiming at 70	Cont
1	H1SSWER	H1SSWER:W1 Total household SS wealth, all claiming at 62	Cont
4	H4SSWER	H4SSWER:W4 Total household SS wealth, all claiming at 62	Cont
7	H7SSWER	H7SSWER:W7 Total household SS wealth, all claiming at 62	Cont
1	H1SSWNR	H1SSWNR:W1 Total household SS wealth, all claiming at NRA	Cont
4	H4SSWNR	H4SSWNR:W4 Total household SS wealth, all claiming at NRA	Cont
7	H7SSWNR	H7SSWNR:W7 Total household SS wealth, all claiming at NRA	Cont
1	H1SSWXA	H1SSWXA:W1 Total household SS wealth, all claiming at 70	Cont
4	H4SSWXA	H4SSWXA:W4 Total household SS wealth, all claiming at 70	Cont
7	H7SSWXA	H7SSWXA:W7 Total household SS wealth, all claiming at 70	Cont
1	R1CLAIMED	R1CLAIMED:W1 R already claiming SS benefits	Categ
4	R4CLAIMED	R4CLAIMED:W4 R already claiming SS benefits	Categ
7	R7CLAIMED	R7CLAIMED:W7 R already claiming SS benefits	Categ
1	S1CLAIMED	S1CLAIMED:W1 S already claiming SS benefits	Categ
4	S4CLAIMED	S4CLAIMED:W4 S already claiming SS benefits	Categ
7	S7CLAIMED	S7CLAIMED:W7 S already claiming SS benefits	Categ
1	R1IMPUTE	R1IMPUTE:W1 R SS wealth imputation flag	Categ
4	R4IMPUTE	R4IMPUTE:W4 R SS wealth imputation flag	Categ
7	R7IMPUTE	R7IMPUTE:W7 R SS wealth imputation flag	Categ
1	S1IMPUTE	S1IMPUTE:W1 S SS wealth imputation flag	Categ
4	S4IMPUTE	S4IMPUTE:W4 S SS wealth imputation flag	Categ
7	S7IMPUTE	S7IMPUTE:W7 S SS wealth imputation flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SSWRER	10689	77037.63	37867.15	0.0	181700.0
R4SSWRER	8157	84558.34	43525.46	0.0	200400.0
R7SSWRER	6831	112040.27	60095.97	0.0	329000.0
S1SSWRER	8216	78285.94	37854.74	0.0	181700.0

S4SSWRER	4670	88831.24	43790.48	0.0	200400.0
S7SSWRER	5045	114668.50	59640.66	0.0	329000.0
R1SSWRNR	11088	80153.21	40438.75	0.0	215700.0
R4SSWRNR	9584	95013.17	47408.85	0.0	251000.0
R7SSWRNR	8402	122763.04	64446.90	0.0	347700.0
S1SSWRNR	8600	81554.49	40363.56	0.0	215700.0
S4SSWRNR	5462	99106.77	47380.87	0.0	232000.0
S7SSWRNR	6061	124665.42	63647.81	0.0	347700.0
R1SSWRXA	11336	77840.26	36609.72	0.0	200100.0
R4SSWRXA	11477	92332.26	45878.87	0.0	236900.0
R7SSWRXA	9982	123940.73	64096.28	0.0	351900.0
S1SSWRXA	8831	78799.30	36138.50	0.0	198000.0
S4SSWRXA	6324	94947.87	44557.06	0.0	235500.0
S7SSWRXA	6983	125609.67	62804.69	0.0	351900.0
H1SSWER	12651	132684.89	74056.78	0.0	306000.0
H4SSWER	22860	53703.94	81403.47	0.0	361600.0
H7SSWER	21815	66817.09	109032.81	0.0	487400.0
H1SSWNR	12651	150827.73	80658.84	0.0	385900.0
H4SSWNR	22860	70537.88	95157.64	0.0	413800.0
H7SSWNR	21815	93107.57	131082.80	0.0	612900.0
H1SSWXA	12651	153945.25	78306.39	0.0	400200.0
H4SSWXA	22860	86470.80	99923.44	0.0	469400.0
H7SSWXA	21815	113671.84	140697.68	0.0	605300.0
R1CLAIMED	12651	0.02	0.14	0.0	1.0
R4CLAIMED	22860	0.08	0.28	0.0	1.0
R7CLAIMED	21815	0.17	0.38	0.0	1.0
S1CLAIMED	12651	0.02	0.14	0.0	1.0
S4CLAIMED	22860	0.05	0.21	0.0	1.0
S7CLAIMED	21815	0.13	0.33	0.0	1.0
R1IMPUTE	12651	1.23	0.51	1.0	3.0
R4IMPUTE	22860	1.46	0.80	1.0	3.0
R7IMPUTE	21815	1.45	0.78	1.0	3.0
S1IMPUTE	9892	1.25	0.51	1.0	3.0
S4IMPUTE	13964	1.28	0.52	1.0	3.0
S7IMPUTE	12702	1.29	0.51	1.0	3.0

Categorical Variable Codes

Value	R1CLAIMED	R4CLAIMED	R7CLAIMED
.M=Oth missing	1		
0.No	12399	20933	18056
1.Yes	252	1927	3759

Value	S1CLAIMED	S4CLAIMED	S7CLAIMED
.M=Oth missing	1		
0.No	12400	21769	19077
1.Yes	251	1091	2738

Value	R1IMPUTE	R4IMPUTE	R7IMPUTE
.M=Oth missing	1		
1.R is matched to SS	10212	16845	15945
2.R is unmatched and expect	1933	1577	1989
3.R is unmatched and does n	506	4438	3881

Value	S1IMPUTE	S4IMPUTE	S7IMPUTE
.M=Oth missing	387	551	650
.U=Unmarried	2373	6869	6777
1.R is matched to SS	7808	10493	9290
2.R is unmatched and expect	1724	3020	3078
3.R is unmatched and does n	360	451	334

How Constructed

The Prospective Social Security Wealth Measures of Pre-Retirees are taken directly from the HRS cross-waves SS Wealth File (v.4.0).

These measures are constructed from the employment sections of the HRS 1992 (Wave 1), HRS 1998 (Wave 4), and HRS 2004 (Wave 7), and are only calculated for individuals who have not yet retired (as evidenced by claiming SS benefits). Analysts interested in SS wealth for current retirees should apply for access to the restricted version of the SS wealth file.

Please refer to the document of Prospective Social Security Wealth Measures of Pre-Retirees (Kapinos et.al., 2010) for more details. http ://hrsonline.isr.umich.edu/modules/meta/xyear/sswealth/desc/SSwealthP.pdf.

RwSSWRER is the Respondent's predicted SS wealth based on the retirement insurance benefit and calculated based on Respondent's own earnings records, assuming a claim age of 62. SwSSWRER is the spouse's predicted SS wealth, assuming a claim age of 62.

RwSSWRNR is the Respondent's predicted SS wealth based on the retirement insurance benefit and is calculated based on Respondent's own earnings records, assuming a full retirement claim age. SwSSWRNR is the spouse's predicted SS wealth, assuming a full retirement claim age.

RwSSWRXA is the Respondent's predicted SS wealth based on the retirement insurance benefit and calculated based on own earnings records, assuming a claim age of 70. SwSSWRXA is the spouse's predicted SS wealth, assuming a claim age of 70.

HwSSWER is the sum of the Respondent's retirement insurance wealth, Respondent's incremental auxiliary spouse benefit wealth, Respondent's incremental survivor benefit wealth, spouse's incremental retirement insurance benefit wealth, spouse's incremental auxiliary spouse benefit wealth, and spouse's incremental survivor benefit wealth, all assuming both Respondent and spouse claim at age 62.

HwSSWNR use the same summation as above, but assuming both Respondent and spouse claim at their respective full retirement ages.

HwSSWXA use the same summation as above, but assuming both Respondent and spouse claim at age 70.

RwCLAIMED is an indicator variable equal to one if the Respondent has already claimed SS benefits as of the wave date. If RwCLAIMED=1, then all Respondent retirement insurance benefit wealth variables will be missing.

RwIMPUTE/SwIMPUTE are the imputation flags. See the Prospective Social Security Wealth Measures of Pre-Retirees document for more details.

Section F: Pension

Currently receiving any pension income

Wave	Variable	Label	Type
2	R2PENINC	R2PENINC:W2 R current receiving pension income	Categ
3	R3PENINC	R3PENINC:W3 R current receiving pension income	Categ
4	R4PENINC	R4PENINC:W4 R current receiving pension income	Categ
5	R5PENINC	R5PENINC:W5 R current receiving pension income	Categ
6	R6PENINC	R6PENINC:W6 R current receiving pension income	Categ
7	R7PENINC	R7PENINC:W7 R current receiving pension income	Categ
8	R8PENINC	R8PENINC:W8 R current receiving pension income	Categ
9	R9PENINC	R9PENINC:W9 R current receiving pension income	Categ
10	R10PENINC	R10PENINC:W10 R current receiving pension income	Categ
11	R11PENINC	R11PENINC:W11 R current receiving pension income	Categ
12	R12PENINC	R12PENINC:W12 R current receiving pension income	Categ
2	S2PENINC	S2PENINC:W2 S current receiving pension income	Categ
3	S3PENINC	S3PENINC:W3 S current receiving pension income	Categ
4	S4PENINC	S4PENINC:W4 S current receiving pension income	Categ
5	S5PENINC	S5PENINC:W5 S current receiving pension income	Categ
6	S6PENINC	S6PENINC:W6 S current receiving pension income	Categ
7	S7PENINC	S7PENINC:W7 S current receiving pension income	Categ
8	S8PENINC	S8PENINC:W8 S current receiving pension income	Categ
9	S9PENINC	S9PENINC:W9 S current receiving pension income	Categ
10	S10PENINC	S10PENINC:W10 S current receiving pension income	Categ
11	S11PENINC	S11PENINC:W11 S current receiving pension income	Categ
12	S12PENINC	S12PENINC:W12 S current receiving pension income	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENINC	11272	0.16	0.36	0.0	1.0
R3PENINC	17735	0.27	0.44	0.0	1.0
R4PENINC	20963	0.26	0.44	0.0	1.0
R5PENINC	19239	0.29	0.46	0.0	1.0
R6PENINC	17879	0.30	0.46	0.0	1.0
R7PENINC	19839	0.26	0.44	0.0	1.0
R8PENINC	18225	0.27	0.45	0.0	1.0
R9PENINC	16963	0.27	0.45	0.0	1.0
R10PENINC	21396	0.19	0.39	0.0	1.0
R11PENINC	20199	0.22	0.42	0.0	1.0
R12PENINC	18367	0.24	0.43	0.0	1.0
S2PENINC	9013	0.16	0.37	0.0	1.0
S3PENINC	12229	0.24	0.43	0.0	1.0
S4PENINC	14214	0.24	0.42	0.0	1.0
S5PENINC	12849	0.26	0.44	0.0	1.0
S6PENINC	11690	0.27	0.44	0.0	1.0
S7PENINC	13176	0.23	0.42	0.0	1.0
S8PENINC	11898	0.24	0.43	0.0	1.0
S9PENINC	10841	0.24	0.43	0.0	1.0
S10PENINC	13786	0.16	0.37	0.0	1.0
S11PENINC	12842	0.11	0.32	0.0	1.0
S12PENINC	11371	0.15	0.35	0.0	1.0

Categorical Variable Codes

Value	R2PENINC	R3PENINC	R4PENINC	R5PENINC	R6PENINC	R7PENINC
.D=DK/NA		25	27	39	40	60
.M=Oth missing	148	149	219	139	47	90
.Q=Not asked this wv	8222					
.R=RF		82	175	162	199	140
0.No	9508	12976	15409	13564	12517	14616
1.Yes	1764	4759	5554	5675	5362	5223

Value	R8PENINC	R9PENINC	R10PENINC	R11PENINC	R12PENINC
.D=DK/NA	37	43	47	43	56
.M=Oth missing	65	76	420	172	199
.R=RF	142	135	171	140	126
0.No	13260	12303	17374	15710	13993
1.Yes	4965	4660	4022	4489	4374

Value	S2PENINC	S3PENINC	S4PENINC	S5PENINC	S6PENINC	S7PENINC
.D=DK/NA		11	13	18	13	21
.M=Oth missing	110	106	194	94	38	77
.Q=Not asked this wv	4549					
.R=RF		51	118	103	133	93
.U=Unmarried	5970	5594	6845	6515	6291	6762
0.No	7585	9266	10864	9469	8552	10140
1.Yes	1428	2963	3350	3380	3138	3036

Value	S8PENINC	S9PENINC	S10PENINC	S11PENINC	S12PENINC
.D=DK/NA	14	17	17	22	23
.M=Oth missing	52	63	329	146	160
.R=RF	90	92	109	73	74
.U=Unmarried	6415	6204	7793	7471	7120
0.No	9020	8187	11553	11384	9690
1.Yes	2878	2654	2233	1458	1681

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned to the Respondent and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a stand-alone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENINC indicates whether the Respondent is currently receiving any pension income. SwPENINC provides the information for the Respondent's spouse or partner.

In Wave 2H and from Wave 3 forward, if the measure indicates that the Respondent or both the Respondent and spouse/partner are currently receiving pension income, then RwPENINC is set to yes (=1). If no one or only the spouse/partner is receiving pension income, then RwPENINC is set to no (=0).

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income Section. Using data from the Pension section, RwPENINC is set to yes (=1) if the Respondent indicates that s/he receives any income from up to ten individual pension plans. If the Respondent does not indicate receiving income from any plans, RwPENINC is set to no (=0).

Otherwise, RwPENINC is set to a missing value based on missing values in HRS variables.

If the measure indicates that the spouse/partner or both are currently receiving pension income, then SwPENINC is set to yes (=1). If no one or only the Respondent is receiving pension income, then SwPENINC is set to no (=0). Otherwise, SwPENINC is set to a missing value based on missing values in HRS variables.

If the Respondent is not married, SwPENINC is set to .U=unmarried.

These variables are included to provide context to the measure about continuation of a pension after death. Since that question is not asked in Waves 1 and 2A, the measure is not included for these earlier waves at this time.

Cross Wave Differences in Original HRS Data

The question wording in the Assets and Income Section is consistent across waves. There are two questions that ask whether the Financial Respondent and/or spouse are currently receiving pension income.

The first question asks: "Are you (or your (husband/wife/partner)) currently receiving an income from retirement pensions?" If yes, a subsequent question asks: "Who receives that?" The answers may be "RESPONDENT ONLY," "SPOUSE/PARTNER ONLY" or "BOTH."

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "Are you currently receiving regular payments from your [plan name]?" is asked of both the Financial and non-Financial Respondent if s/he reports having an employer-provided pension plan. The question wording is consistent in Waves 11 and 12.

HRS Variables Used

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HRS 1994:
    W6071           N20.RETIREMENT PENSIONS?
    WR6072          N20a.WHO RECEIVES PENSIO/ Self
AHEAD 1995:
    D4191           J30.RET PENSION
    DR4192          J30a.WHO RECD PENSION / R
HRS 1996:
    E4209           J127.RET PENSION
    ER4210          J128.WHO RECD PENSION/Self
HRS 1998:
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    F4969           J127.RET PENSION
    FR4970          J128.WHO RECD PENSION/Self
HRS 2000:
    G5424           J127.RET PENSION
    GR5425          J128.WHO RECD PENSION/Self
HRS 2002:
    HQ215           PENSION RETIREMENT INCOME
    HQR216          WHO REC PENSION RETIREMENT INC/Self
HRS 2004:
    JQ215           PENSION RETIREMENT INCOME
    JQR216          WHO REC PENSION RETIREMENT INC/Self
HRS 2006:
    KQ215           PENSION RETIREMENT INCOME
    KQR216          WHO REC PENSION RETIREMENT INC/Self
HRS 2008:
    LQ215           PENSION RETIREMENT INCOME
    LQR216          WHO REC PENSION RETIREMENT INC/Self
HRS 2010:
    MQ215           PENSION RETIREMENT INCOME
    MQR216          WHO REC PENSION RETIREMENT INC/Self
HRS 2012:
    NJ2W108_1       STARTED RECEIVING ANNUITY -1_1
    NJ2W108_10      STARTED RECEIVING ANNUITY -1_10
    NJ2W108_2       STARTED RECEIVING ANNUITY -1_2
    NJ2W108_3       STARTED RECEIVING ANNUITY -1_3
    NJ2W108_4       STARTED RECEIVING ANNUITY -1_4
    NJ2W108_5       STARTED RECEIVING ANNUITY -1_5
    NJ2W108_6       STARTED RECEIVING ANNUITY -1_6
    NJ2W108_7       STARTED RECEIVING ANNUITY -1_7
    NJ2W108_8       STARTED RECEIVING ANNUITY -1_8
    NJ2W108_9       STARTED RECEIVING ANNUITY -1_9
    NJ2W426_1       RECEIVING BENEFITS -1_1
    NJ2W426_10      RECEIVING BENEFITS -1_10
    NJ2W426_2       RECEIVING BENEFITS -1_2
    NJ2W426_3       RECEIVING BENEFITS -1_3
    NJ2W426_4       RECEIVING BENEFITS -1_4
    NJ2W426_5       RECEIVING BENEFITS -1_5
    NJ2W426_6       RECEIVING BENEFITS -1_6
    NJ2W426_7       RECEIVING BENEFITS -1_7
    NJ2W426_8       RECEIVING BENEFITS -1_8
    NJ2W426_9       RECEIVING BENEFITS -1_9
    NJ2W440_1       PLAN STATUS-CONVERTED TO ANNUITY -1_1
    NJ2W440_10      PLAN STATUS-CONVERTED TO ANNUITY -1_10
    NJ2W440_2       PLAN STATUS-CONVERTED TO ANNUITY -1_2
    NJ2W440_3       PLAN STATUS-CONVERTED TO ANNUITY -1_3
    NJ2W440_4       PLAN STATUS-CONVERTED TO ANNUITY -1_4
    NJ2W440_5       PLAN STATUS-CONVERTED TO ANNUITY -1_5
    NJ2W440_6       PLAN STATUS-CONVERTED TO ANNUITY -1_6
    NJ2W440_7       PLAN STATUS-CONVERTED TO ANNUITY -1_7
    NJ2W440_8       PLAN STATUS-CONVERTED TO ANNUITY -1_8
    NJ2W440_9       PLAN STATUS-CONVERTED TO ANNUITY -1_9
    NQ215           PENSION RETIREMENT INCOME
    NQR216          WHO REC PENSION RETIREMENT INC/Self
HRS 2014:
    OJ2W108_1       STARTED RECEIVING ANNUITY_1
    OJ2W108_10      STARTED RECEIVING ANNUITY_10
    OJ2W108_2       STARTED RECEIVING ANNUITY_2
    OJ2W108_3       STARTED RECEIVING ANNUITY_3
    OJ2W108_4       STARTED RECEIVING ANNUITY_4
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OJ2W108_5	STARTED RECEIVING ANNUITY_5
OJ2W108_6	STARTED RECEIVING ANNUITY_6
OJ2W108_7	STARTED RECEIVING ANNUITY_7
OJ2W108_8	STARTED RECEIVING ANNUITY_8
OJ2W108_9	STARTED RECEIVING ANNUITY_9
OJ2W426_1	RECEIVING BENEFITS_1
OJ2W426_10	RECEIVING BENEFITS_10
OJ2W426_2	RECEIVING BENEFITS_2
OJ2W426_3	RECEIVING BENEFITS_3
OJ2W426_4	RECEIVING BENEFITS_4
OJ2W426_5	RECEIVING BENEFITS_5
OJ2W426_6	RECEIVING BENEFITS_6
OJ2W426_7	RECEIVING BENEFITS_7
OJ2W426_8	RECEIVING BENEFITS_8
OJ2W426_9	RECEIVING BENEFITS_9
OJ2W440_1	PLAN STATUS - CONVERTED TO ANNUITY_1
OJ2W440_10	PLAN STATUS - CONVERTED TO ANNUITY_10
OJ2W440_2	PLAN STATUS - CONVERTED TO ANNUITY_2
OJ2W440_3	PLAN STATUS - CONVERTED TO ANNUITY_3
OJ2W440_4	PLAN STATUS - CONVERTED TO ANNUITY_4
OJ2W440_5	PLAN STATUS - CONVERTED TO ANNUITY_5
OJ2W440_6	PLAN STATUS - CONVERTED TO ANNUITY_6
OJ2W440_7	PLAN STATUS - CONVERTED TO ANNUITY_7
OJ2W440_8	PLAN STATUS - CONVERTED TO ANNUITY_8
OJ2W440_9	PLAN STATUS - CONVERTED TO ANNUITY_9
OQ215	PENSION RETIREMENT INCOME
OQR216	WHO REC PENSION RETIREMENT INC/Self

of Pensions currently receive

Wave	Variable	Label	Type
2	R2PENI_N	R2PENI_N:W2 # pensions R receives income	Categ
3	R3PENI_N	R3PENI_N:W3 # pensions R receives income	Categ
4	R4PENI_N	R4PENI_N:W4 # pensions R receives income	Categ
5	R5PENI_N	R5PENI_N:W5 # pensions R receives income	Categ
6	R6PENI_N	R6PENI_N:W6 # pensions R receives income	Categ
7	R7PENI_N	R7PENI_N:W7 # pensions R receives income	Categ
8	R8PENI_N	R8PENI_N:W8 # pensions R receives income	Categ
9	R9PENI_N	R9PENI_N:W9 # pensions R receives income	Categ
10	R10PENI_N	R10PENI_N:W10 # pensions R receives income	Categ
11	R11PENI_N	R11PENI_N:W11 # pensions R receives income	Categ
12	R12PENI_N	R12PENI_N:W12 # pensions R receives income	Categ
2	S2PENI_N	S2PENI_N:W2 # pensions S receives income	Categ
3	S3PENI_N	S3PENI_N:W3 # pensions S receives income	Categ
4	S4PENI_N	S4PENI_N:W4 # pensions S receives income	Categ
5	S5PENI_N	S5PENI_N:W5 # pensions S receives income	Categ
6	S6PENI_N	S6PENI_N:W6 # pensions S receives income	Categ
7	S7PENI_N	S7PENI_N:W7 # pensions S receives income	Categ
8	S8PENI_N	S8PENI_N:W8 # pensions S receives income	Categ
9	S9PENI_N	S9PENI_N:W9 # pensions S receives income	Categ
10	S10PENI_N	S10PENI_N:W10 # pensions S receives income	Categ
11	S11PENI_N	S11PENI_N:W11 # pensions S receives income	Categ
12	S12PENI_N	S12PENI_N:W12 # pensions S receives income	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENI_N	1757	1.12	0.36	1.0	4.0
R3PENI_N	4742	1.11	0.36	1.0	5.0
R4PENI_N	5543	1.12	0.37	1.0	4.0
R5PENI_N	5670	1.13	0.38	1.0	6.0
R6PENI_N	5357	1.13	0.37	1.0	5.0
R7PENI_N	5217	1.15	0.40	1.0	4.0
R8PENI_N	4960	1.14	0.39	1.0	4.0
R9PENI_N	4655	1.15	0.42	1.0	4.0
R10PENI_N	4011	1.19	0.45	1.0	4.0
R11PENI_N	4483	1.17	0.43	1.0	5.0
R12PENI_N	4369	1.17	0.44	1.0	5.0
S2PENI_N	1421	1.12	0.37	1.0	4.0
S3PENI_N	2952	1.11	0.36	1.0	5.0
S4PENI_N	3341	1.11	0.36	1.0	4.0
S5PENI_N	3378	1.11	0.36	1.0	4.0
S6PENI_N	3137	1.11	0.35	1.0	5.0
S7PENI_N	3033	1.14	0.39	1.0	4.0
S8PENI_N	2874	1.12	0.37	1.0	4.0
S9PENI_N	2652	1.14	0.39	1.0	4.0
S10PENI_N	2227	1.16	0.43	1.0	4.0
S11PENI_N	1733	0.96	0.56	0.0	4.0
S12PENI_N	1861	1.05	0.53	0.0	4.0

Categorical Variable Codes

Value	R2PENI_N	R3PENI_N	R4PENI_N	R5PENI_N	R6PENI_N	R7PENI_N
.D=DK	3	11	5	1	3	
.M=Oth missing	3		2	2		4
.Q=Not asked this wv	8222					
.R=RF	1	6	4	2	2	2
.Z=Whether pen inc=no or mi	9656	13232	15830	13904	12803	14906
1	1577	4256	4954	5043	4748	4532
2	161	440	523	558	550	622
3	15	39	54	57	53	49
4	4	6	12	11	5	14
5		1			1	
6				1		

Value	R8PENI_N	R9PENI_N	R10PENI_N	R11PENI_N	R12PENI_N
.D=DK	1	2	5	3	
.M=Oth missing		2	2	1	1
.R=RF	4	1	4	2	4
.Z=Whether pen inc=no or mi	13504	12557	18012	16065	14374
1	4330	4026	3363	3822	3708
2	567	552	566	582	574
3	53	66	69	67	75
4	10	11	13	10	10
5				2	2

Value	S2PENI_N	S3PENI_N	S4PENI_N	S5PENI_N	S6PENI_N	S7PENI_N
.D=DK	3	7	4			
.M=Oth missing	3		3	1		2
.Q=Not asked this wv	4549					
.R=RF	1	4	2	1	1	1
.U=Unmarried	5970	5594	6845	6515	6291	6762
.Z=Whether pen inc=no or mi	7695	9434	11189	9684	8736	10331
1	1268	2669	3026	3054	2816	2660
2	136	249	275	285	291	336
3	14	29	35	33	27	29
4	3	4	5	6	2	8
5		1			1	

Value	S8PENI_N	S9PENI_N	S10PENI_N	S11PENI_N	S12PENI_N
.D=DK	1	1	3	1	
.M=Oth missing		1	1	7	15
.R=RF	3		2		
.U=Unmarried	6415	6204	7793	7471	7120
.Z=Whether pen inc=no or mi	9176	8359	12008	11342	9752
0				276	180
1	2568	2334	1907	1276	1448
2	272	278	279	159	204
3	28	35	36	19	25
4	6	5	5	3	4

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned

to the Respondent, and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a standalone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENI_N indicates how many pensions from which the Respondent is currently receiving income. SwPENI_N provides the information for the Respondent's spouse or partner.

In Wave 2H and from Wave 3 forward, a series of questions are asked in the Assets and Income section concerning the number of pensions received. If the Respondent reports receiving other income from retirement pensions, then the Respondent is asked if s/he receives income from more than one retirement pension, and if so, how many. RwPENI_N is set to the number of pensions that the Respondent reports.

Beginning in wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income Section. In the Pension section, the Respondent is asked whether s/he receives any income from up to ten individual pension plans, and RwPENI_N is equal to the number of plans where the Respondent answers "yes."

If the Respondent is currently not receiving any pension income, then RwPENI_N is set to .Z. If the Respondent reports 10 or more pensions, s/he is considered an outlier and coded as .M. Otherwise, RwPENI_N is set to a missing value based on missing values in HRS variables.

SwPENI_N is constructed in the same way. If the Respondent is not married, SwPENI_N is set to .U=unmarried.

These variables are included to provide context to the measure about continuation of a pension after death. Since that question is not asked in Waves 1 and 2A, that measure is not included for these earlier waves at this time.

Cross Wave Differences in Original HRS Data

There are two questions in the Assets and Income Section regarding the number of pensions from which income is currently received. They are asked separately about the Financial Respondent and spouse/partner if the individual is receiving any pension income.

The first question is: "Do [you (yourself)/your spouse/partner] receive income from more than one retirement pension?" If "yes," another question asks: "How many retirement pensions do [you/your spouse/partner] receive?"

In Wave 2H, if the answer to the first question is "no," then the second question is set to "0" in the raw data. From Wave 3 and forward, if the answer to the first question is "no," the number of pensions question is filled with "1" in the raw data.

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "Are you currently receiving regular payments from your [plan name]?" is asked of both the Financial and non-Financial Respondent if s/he reports having an employer-provided pension plan. The question wording is consistent in Waves 11 and 12.

HRS Variables Used

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HRS 1994:
    W6071           N20.RETIREMENT PENSIONS?
    WR6072          N20a.WHO RECEIVES PENSIO/ Self
    WR6073          N20b.>1 PENSION?/ Self
    WR6074          N20c.NUMBER PENSIONS/ Self
AHEAD 1995:
    D4191           J30.RET PENSION
    DR4192          J30a.WHO RECD PENSION / R
    DR4193          J30b/31.>1 PENSION / R
    DR4194          J30c/31a.#PENSIONS / R
HRS 1996:
    E4209           J127.RET PENSION
    ER4210          J128.WHO RECD PENSION/Self
    ER4211          J129.>1 PENSION/Self
    ER4212          J130.#PENSIONS/Self
HRS 1998:
    F4969           J127.RET PENSION
    FR4970          J128.WHO RECD PENSION/Self
    FR4971          J129.>1 PENSION/Self
    FR4972          J130.#PENSIONS/Self
HRS 2000:
    G5424           J127.RET PENSION
    GR5425          J128.WHO RECD PENSION/Self
    GR5426          J129.>1 PENSION/Self
    GR5427          J130.#PENSIONS/Self
HRS 2002:
    HQ215           PENSION RETIREMENT INCOME
    HQR216          WHO REC PENSION RETIREMENT INC/Self
    HQR217          R INCOME FR MORE THAN ONE PENSION/Self
    HQR218          NUMBER OF PENSIONS R RECEIVED/Self
HRS 2004:
    JQ215           PENSION RETIREMENT INCOME
    JQR216          WHO REC PENSION RETIREMENT INC/Self
    JQR217          R INCOME FR MORE THAN ONE PENSION/Self
    JQR218          NUMBER OF PENSIONS R RECEIVED/Self
HRS 2006:
    KQ215           PENSION RETIREMENT INCOME
    KQR216          WHO REC PENSION RETIREMENT INC/Self
    KQR217          R INCOME FR MORE THAN ONE PENSION/Self
    KQR218          NUMBER OF PENSIONS R RECEIVED/Self
HRS 2008:
    LQ215           PENSION RETIREMENT INCOME
    LQR216          WHO REC PENSION RETIREMENT INC/Self
    LQR217          INCOME FR MORE THAN ONE PENSION/Self
    LQR218          NUMBER OF PENSIONS R RECEIVED/Self
HRS 2010:
    MQ215           PENSION RETIREMENT INCOME
    MQR216          WHO REC PENSION RETIREMENT INC/Self
    MQR217          INCOME FR MORE THAN ONE PENSION/Self
    MQR218          NUMBER OF PENSIONS R RECEIVED/Self
HRS 2012:
    NJ2W108_1       STARTED RECEIVING ANNUITY -1_1
    NJ2W108_10      STARTED RECEIVING ANNUITY -1_10
    NJ2W108_2       STARTED RECEIVING ANNUITY -1_2
    NJ2W108_3       STARTED RECEIVING ANNUITY -1_3
    NJ2W108_4       STARTED RECEIVING ANNUITY -1_4
    NJ2W108_5       STARTED RECEIVING ANNUITY -1_5
    NJ2W108_6       STARTED RECEIVING ANNUITY -1_6
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    NJ2W108_7       STARTED RECEIVING ANNUITY -1_7
    NJ2W108_8       STARTED RECEIVING ANNUITY -1_8
    NJ2W108_9       STARTED RECEIVING ANNUITY -1_9
    NJ2W426_1       RECEIVING BENEFITS -1_1
    NJ2W426_10      RECEIVING BENEFITS -1_10
    NJ2W426_2       RECEIVING BENEFITS -1_2
    NJ2W426_3       RECEIVING BENEFITS -1_3
    NJ2W426_4       RECEIVING BENEFITS -1_4
    NJ2W426_5       RECEIVING BENEFITS -1_5
    NJ2W426_6       RECEIVING BENEFITS -1_6
    NJ2W426_7       RECEIVING BENEFITS -1_7
    NJ2W426_8       RECEIVING BENEFITS -1_8
    NJ2W426_9       RECEIVING BENEFITS -1_9
    NJ2W440_1       PLAN STATUS-CONVERTED TO ANNUITY -1_1
    NJ2W440_10      PLAN STATUS-CONVERTED TO ANNUITY -1_10
    NJ2W440_2       PLAN STATUS-CONVERTED TO ANNUITY -1_2
    NJ2W440_3       PLAN STATUS-CONVERTED TO ANNUITY -1_3
    NJ2W440_4       PLAN STATUS-CONVERTED TO ANNUITY -1_4
    NJ2W440_5       PLAN STATUS-CONVERTED TO ANNUITY -1_5
    NJ2W440_6       PLAN STATUS-CONVERTED TO ANNUITY -1_6
    NJ2W440_7       PLAN STATUS-CONVERTED TO ANNUITY -1_7
    NJ2W440_8       PLAN STATUS-CONVERTED TO ANNUITY -1_8
    NJ2W440_9       PLAN STATUS-CONVERTED TO ANNUITY -1_9
    NQ215           PENSION RETIREMENT INCOME
    NQR216          WHO REC PENSION RETIREMENT INC/Self
    NQR217          INCOME FR MORE THAN ONE PENSION/Self
    NQR218          NUMBER OF PENSIONS R RECEIVED/Self
HRS 2014:
    OJ2W108_1       STARTED RECEIVING ANNUITY_1
    OJ2W108_10      STARTED RECEIVING ANNUITY_10
    OJ2W108_2       STARTED RECEIVING ANNUITY_2
    OJ2W108_3       STARTED RECEIVING ANNUITY_3
    OJ2W108_4       STARTED RECEIVING ANNUITY_4
    OJ2W108_5       STARTED RECEIVING ANNUITY_5
    OJ2W108_6       STARTED RECEIVING ANNUITY_6
    OJ2W108_7       STARTED RECEIVING ANNUITY_7
    OJ2W108_8       STARTED RECEIVING ANNUITY_8
    OJ2W108_9       STARTED RECEIVING ANNUITY_9
    OJ2W426_1       RECEIVING BENEFITS_1
    OJ2W426_10      RECEIVING BENEFITS_10
    OJ2W426_2       RECEIVING BENEFITS_2
    OJ2W426_3       RECEIVING BENEFITS_3
    OJ2W426_4       RECEIVING BENEFITS_4
    OJ2W426_5       RECEIVING BENEFITS_5
    OJ2W426_6       RECEIVING BENEFITS_6
    OJ2W426_7       RECEIVING BENEFITS_7
    OJ2W426_8       RECEIVING BENEFITS_8
    OJ2W426_9       RECEIVING BENEFITS_9
    OJ2W440_1       PLAN STATUS - CONVERTED TO ANNUITY_1
    OJ2W440_10      PLAN STATUS - CONVERTED TO ANNUITY_10
    OJ2W440_2       PLAN STATUS - CONVERTED TO ANNUITY_2
    OJ2W440_3       PLAN STATUS - CONVERTED TO ANNUITY_3
    OJ2W440_4       PLAN STATUS - CONVERTED TO ANNUITY_4
    OJ2W440_5       PLAN STATUS - CONVERTED TO ANNUITY_5
    OJ2W440_6       PLAN STATUS - CONVERTED TO ANNUITY_6
    OJ2W440_7       PLAN STATUS - CONVERTED TO ANNUITY_7
    OJ2W440_8       PLAN STATUS - CONVERTED TO ANNUITY_8
    OJ2W440_9       PLAN STATUS - CONVERTED TO ANNUITY_9
    OQ215           PENSION RETIREMENT INCOME
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OQR216          WHO REC PENSION RETIREMENT INC/Self
OQR217          INCOME FR MORE THAN ONE PENSION/Self
OQR218          NUMBER OF PENSIONS R RECEIVED/Self
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Whether pensions can continue

2	R2PENIC1	R2PENIC1:W2 Pen #1 Continue after death	Categ
3	R3PENIC1	R3PENIC1:W3 Pen #1 Continue after death	Categ
4	R4PENIC1	R4PENIC1:W4 Pen #1 Continue after death	Categ
5	R5PENIC1	R5PENIC1:W5 Pen #1 Continue after death	Categ
6	R6PENIC1	R6PENIC1:W6 Pen #1 Continue after death	Categ
7	R7PENIC1	R7PENIC1:W7 Pen #1 Continue after death	Categ
8	R8PENIC1	R8PENIC1:W8 Pen #1 Continue after death	Categ
9	R9PENIC1	R9PENIC1:W9 Pen #1 Continue after death	Categ
10	R10PENIC1	R10PENIC1:W10 Pen #1 Continue after death	Categ
11	R11PENIC1	R11PENIC1:W11 Pen #1 Continue after death	Categ
12	R12PENIC1	R12PENIC1:W12 Pen #1 Continue after death	Categ
2	S2PENIC1	S2PENIC1:W2 Pen #1 Continue after death	Categ
3	S3PENIC1	S3PENIC1:W3 Pen #1 Continue after death	Categ
4	S4PENIC1	S4PENIC1:W4 Pen #1 Continue after death	Categ
5	S5PENIC1	S5PENIC1:W5 Pen #1 Continue after death	Categ
6	S6PENIC1	S6PENIC1:W6 Pen #1 Continue after death	Categ
7	S7PENIC1	S7PENIC1:W7 Pen #1 Continue after death	Categ
8	S8PENIC1	S8PENIC1:W8 Pen #1 Continue after death	Categ
9	S9PENIC1	S9PENIC1:W9 Pen #1 Continue after death	Categ
10	S10PENIC1	S10PENIC1:W10 Pen #1 Continue after death	Categ
11	S11PENIC1	S11PENIC1:W11 Pen #1 Continue after death	Categ
12	S12PENIC1	S12PENIC1:W12 Pen #1 Continue after death	Categ
2	R2PENIC2	R2PENIC2:W2 Pen #2 Continue after death	Categ
3	R3PENIC2	R3PENIC2:W3 Pen #2 Continue after death	Categ
4	R4PENIC2	R4PENIC2:W4 Pen #2 Continue after death	Categ
5	R5PENIC2	R5PENIC2:W5 Pen #2 Continue after death	Categ
6	R6PENIC2	R6PENIC2:W6 Pen #2 Continue after death	Categ
7	R7PENIC2	R7PENIC2:W7 Pen #2 Continue after death	Categ
8	R8PENIC2	R8PENIC2:W8 Pen #2 Continue after death	Categ
9	R9PENIC2	R9PENIC2:W9 Pen #2 Continue after death	Categ
10	R10PENIC2	R10PENIC2:W10 Pen #2 Continue after death	Categ
11	R11PENIC2	R11PENIC2:W11 Pen #2 Continue after death	Categ
12	R12PENIC2	R12PENIC2:W12 Pen #2 Continue after death	Categ
2	S2PENIC2	S2PENIC2:W2 Pen #2 Continue after death	Categ
3	S3PENIC2	S3PENIC2:W3 Pen #2 Continue after death	Categ
4	S4PENIC2	S4PENIC2:W4 Pen #2 Continue after death	Categ
5	S5PENIC2	S5PENIC2:W5 Pen #2 Continue after death	Categ
6	S6PENIC2	S6PENIC2:W6 Pen #2 Continue after death	Categ
7	S7PENIC2	S7PENIC2:W7 Pen #2 Continue after death	Categ
8	S8PENIC2	S8PENIC2:W8 Pen #2 Continue after death	Categ
9	S9PENIC2	S9PENIC2:W9 Pen #2 Continue after death	Categ
10	S10PENIC2	S10PENIC2:W10 Pen #2 Continue after death	Categ
11	S11PENIC2	S11PENIC2:W11 Pen #2 Continue after death	Categ
12	S12PENIC2	S12PENIC2:W12 Pen #2 Continue after death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENIC1	1716	1.92	0.97	1.0	7.0
R3PENIC1	3379	1.99	1.19	1.0	7.0
R4PENIC1	5387	1.67	0.97	1.0	7.0
R5PENIC1	5489	1.73	1.17	1.0	7.0
R6PENIC1	5168	1.71	1.19	1.0	7.0
R7PENIC1	5051	1.73	1.21	1.0	7.0
R8PENIC1	4801	1.63	0.97	1.0	7.0
R9PENIC1	4479	1.60	0.92	1.0	7.0
R10PENIC1	3881	1.61	0.98	1.0	7.0

R11PENIC1	3482	1.77	1.04	1.0	7.0
R12PENIC1	3574	1.76	1.18	1.0	7.0
S2PENIC1	1382	2.09	0.95	1.0	7.0
S3PENIC1	2863	2.09	1.12	1.0	7.0
S4PENIC1	3240	2.01	0.99	1.0	7.0
S5PENIC1	3256	2.08	1.20	1.0	7.0
S6PENIC1	2995	2.08	1.19	1.0	7.0
S7PENIC1	2924	2.09	1.20	1.0	7.0
S8PENIC1	2770	1.99	1.02	1.0	7.0
S9PENIC1	2517	1.97	0.98	1.0	7.0
S10PENIC1	2156	1.98	1.03	1.0	7.0
S11PENIC1	1383	1.99	1.01	1.0	7.0
S12PENIC1	1602	2.03	1.13	1.0	7.0
R2PENIC2	173	1.71	0.88	1.0	3.0
R3PENIC2	327	1.83	1.13	1.0	7.0
R4PENIC2	570	1.55	0.93	1.0	7.0
R5PENIC2	609	1.63	1.21	1.0	7.0
R6PENIC2	593	1.68	1.37	1.0	7.0
R7PENIC2	667	1.68	1.32	1.0	7.0
R8PENIC2	614	1.48	0.93	1.0	7.0
R9PENIC2	610	1.44	0.82	1.0	7.0
R10PENIC2	631	1.50	0.92	1.0	7.0
R11PENIC2	531	1.62	1.00	1.0	7.0
R12PENIC2	571	1.67	1.23	1.0	7.0
S2PENIC2	146	1.84	0.89	1.0	3.0
S3PENIC2	273	1.94	1.14	1.0	7.0
S4PENIC2	306	1.87	1.01	1.0	7.0
S5PENIC2	314	1.99	1.31	1.0	7.0
S6PENIC2	311	2.03	1.42	1.0	7.0
S7PENIC2	359	2.02	1.33	1.0	7.0
S8PENIC2	298	1.83	1.07	1.0	7.0
S9PENIC2	306	1.76	0.94	1.0	7.0
S10PENIC2	309	1.85	1.04	1.0	7.0
S11PENIC2	176	1.73	1.03	1.0	7.0
S12PENIC2	226	1.92	1.23	1.0	7.0

Categorical Variable Codes

Value	R2PENIC1	R3PENIC1	R4PENIC1	R5PENIC1	R6PENIC1	R7PENIC1
.D=DK	39	91	148	172	177	157
.M=Oth missing			1			
.Q=Not asked this wv	8222					
.R=RF	2	6	7	9	12	9
.U=Unmarried		1266				
.Z=No pension income	9663	13249	15841	13909	12808	14912
1.Stop	824	1648	3395	3472	3330	3218
2.Continue unchanged	217	422	537	530	519	511
3.Continue at reduced level	670	1233	1363	1341	1188	1188
4.Lump sum paid to benefici			69	24		
7.Other	5	76	23	122	131	134

Value	R8PENIC1	R9PENIC1	R10PENIC1	R11PENIC1	R12PENIC1
.D=DK	153	168	122	111	125
.M=Oth missing	1			3	3
.Q=Not asked this wv				7	1
.R=RF	5	8	8	12	8
.U=Unmarried				868	658
.Z=No pension income	13509	12562	18023	16071	14379
1.Stop	3110	2961	2557	1960	2120
2.Continue unchanged	519	458	425	523	523
3.Continue at reduced level	1093	987	837	935	844
4.Lump sum paid to benefici	49	60	29	27	
7.Other	30	13	33	37	87

Value	S2PENIC1	S3PENIC1	S4PENIC1	S5PENIC1	S6PENIC1	S7PENIC1
.D=DK	38	84	96	113	131	104
.Q=Not asked this wv	4549					
.R=RF	1	4	5	8	11	5
.U=Unmarried	5970	5595	6845	6516	6291	6762
.Z=No pension income	7702	9445	11198	9686	8737	10334
1.Stop	533	1203	1415	1419	1285	1239
2.Continue unchanged	202	401	479	473	484	467
3.Continue at reduced level	644	1211	1296	1275	1154	1144
4.Lump sum paid to benefici			37	11		
7.Other	3	48	13	78	72	74

Value	S8PENIC1	S9PENIC1	S10PENIC1	S11PENIC1	S12PENIC1
.D=DK	100	129	68	68	73
.M=Oth missing				7	15
.R=RF	4	6	3	6	6
.U=Unmarried	6415	6204	7793	7471	7120
.Z=No pension income	9180	8361	12014	11619	9932
1.Stop	1227	1122	954	606	685
2.Continue unchanged	461	418	375	241	313
3.Continue at reduced level	1040	948	795	515	572
4.Lump sum paid to benefici	20	19	12	11	
7.Other	22	10	20	10	32

Value	R2PENIC2	R3PENIC2	R4PENIC2	R5PENIC2	R6PENIC2	R7PENIC2
.D=DK	6	11	17	14	12	16
.M=Oth missing				2		1
.Q=Not asked this wv	8222					
.R=RF	1	1	2	2	4	1
.U=Unmarried		147				
.Z=No pension income	11240	17505	20795	18952	17556	19444
1.Stop	99	180	397	428	416	459
2.Continue unchanged	25	45	52	53	53	66
3.Continue at reduced level	49	96	113	107	98	116
4.Lump sum paid to benefici			5	4		
7.Other		6	3	17	26	26

Value	R8PENIC2	R9PENIC2	R10PENIC2	R11PENIC2	R12PENIC2
.D=DK	15	19	16	14	13
.M=Oth missing			1	2	4
.R=RF	1			1	
.U=Unmarried				113	73
.Z=No pension income	17839	16588	21386	19893	18087
1.Stop	450	454	456	336	384
2.Continue unchanged	62	54	57	89	59
3.Continue at reduced level	90	95	108	94	111
4.Lump sum paid to benefici	7	6	6	6	
7.Other	5	1	4	6	17

Value	S2PENIC2	S3PENIC2	S4PENIC2	S5PENIC2	S6PENIC2	S7PENIC2
.D=DK	6	9	8	9	6	13
.M=Oth missing				1		
.Q=Not asked this wv	4549					
.R=RF	1	1	1		4	1
.U=Unmarried	5970	5595	6845	6518	6291	6762
.Z=No pension income	8970	12113	14224	12737	11553	12994
1.Stop	72	135	155	159	157	174
2.Continue unchanged	26	40	46	45	49	60
3.Continue at reduced level	48	93	100	98	90	111
4.Lump sum paid to benefici			3	1		
7.Other		5	2	11	15	14

Value	S8PENIC2	S9PENIC2	S10PENIC2	S11PENIC2	S12PENIC2
.D=DK	8	12	10	5	7
.M=Oth missing			1	7	15
.U=Unmarried	6415	6204	7793	7471	7120
.Z=No pension income	11748	10695	13921	12895	11380
1.Stop	158	167	161	101	121
2.Continue unchanged	52	50	48	30	26
3.Continue at reduced level	82	86	95	42	73
4.Lump sum paid to benefici	2	2	2	1	
7.Other	4	1	3	2	6

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned to the Respondent, and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the

Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a standalone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENIC1 and RwPENIC2 indicate whether the Respondent can continue pension #1 and pension #2 after death. SwPENIC1 and SwPENIC2 provide this information for the Respondent's spouse or partner.

RwPENIC1 and RwPENIC2 simply recode for missing values. RwPENIC1 is set to .Z if skipped because the Respondent has no pension income. RwPENIC2 is set to .Z if skipped because the Respondent has no more than two pensions. R3PENIC1 and R3PENIC2 are set to .U for Wave 3A cases who were unmarried.

The spouse measures are constructed in the same way. If the Respondent is not married, SwPENIC1 and SwPENIC2 are set to .U=unmarried.

Because this question is not asked in Waves 1 and 2A, the measure is not included for these earlier waves.

Cross Wave Differences in Original HRS Data

In all waves of the Assets and Income section, these questions are only asked if pension income for the Respondent or spouse is reported. They are preceded by a question that asks how long the pension income will be received.

In Wave 2H and from Wave 3 forward, the question asks: "If you were to die (before then [if the pension is received for a limited number of years]), would the payment stop, continue unchanged, or continue at a reduced level?" There are 4 answers: "1.STOP," "2.CONTINUE UNCHANGED," "3.CONTINUE AT A REDUCED LEVEL" or "7.Other."

In Wave 4 and Wave 5, one more answer is added: "4. Lump sum paid to beneficiary."

The same question is asked about the second pension income if two or more pensions are reported.

In Wave 3A, the question was not asked of single Respondents.

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "If you should die, would your [husband/wife/partner] continue to receive the same payment, get a reduced payment or would the payment end?" is asked of both the Financial and non-Financial Respondent if s/he reports pension income from an employer-provided pension plan. The question wording is consistent in Waves 11 and 12.

HRS Variables Used

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HRS 1994:
    W6071           N20.RETIREMENT PENSIONS?
    WR6072          N20a.WHO RECEIVES PENSIO/ Self
    WR6073          N20b.>1 PENSION?/ Self
    WR6074          N20c.NUMBER PENSIONS/ Self
    WR6082          N20k.PAYMENT STOP/CONTIN/ Self
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    WR6090          N20w.PAYMENT STOP/CONTIN/ Self
AHEAD 1995:
    D4191           J30.RET PENSION
    DR4192          J30a.WHO RECD PENSION / R
    DR4193          J30b/31.>1 PENSION / R
    DR4194          J30c/31a.#PENSIONS / R
    DR4205_1        J30k/31j.PENSION STOP DEATH-1 / R
    DR4205_2        J30m/31k.STOP WITH DEATH PENSION-2 / R
HRS 1996:
    E4209           J127.RET PENSION
    ER4210          J128.WHO RECD PENSION/Self
    ER4211          J129.>1 PENSION/Self
    ER4212          J130.#PENSIONS/Self
    ER4229_1        J142.PENSION STOP WITH DEATH/Self
    ER4229_2        J142.PENSION STOP WITH DEATH/Self
HRS 1998:
    F4969           J127.RET PENSION
    FR4970          J128.WHO RECD PENSION/Self
    FR4971          J129.>1 PENSION/Self
    FR4972          J130.#PENSIONS/Self
    FR4989_1        J142.PENSION STOP WITH DEATH/Self
    FR4989_2        J142.PENSION STOP WITH DEATH/Self
HRS 2000:
    G5424           J127.RET PENSION
    GR5425          J128.WHO RECD PENSION/Self
    GR5426          J129.>1 PENSION/Self
    GR5427          J130.#PENSIONS/Self
    GR5444_1        J142.PENSION STOP WITH DEATH/Self
    GR5444_2        J142.PENSION STOP WITH DEATH/Self
HRS 2002:
    HQ215           PENSION RETIREMENT INCOME
    HQR216          WHO REC PENSION RETIREMENT INC/Self
    HQR217          R INCOME FR MORE THAN ONE PENSION/Self
    HQR218          NUMBER OF PENSIONS R RECEIVED/Self
    HQR236_1        R PENSION CONTINUE HOW -1/Self
    HQR236_2        R PENSION CONTINUE HOW -2/Self
HRS 2004:
    JQ215           PENSION RETIREMENT INCOME
    JQR216          WHO REC PENSION RETIREMENT INC/Self
    JQR217          R INCOME FR MORE THAN ONE PENSION/Self
    JQR218          NUMBER OF PENSIONS R RECEIVED/Self
    JQR236_1        R PENSION CONTINUE HOW -1/Self
    JQR236_2        R PENSION CONTINUE HOW -2/Self
HRS 2006:
    KQ215           PENSION RETIREMENT INCOME
    KQR216          WHO REC PENSION RETIREMENT INC/Self
    KQR217          R INCOME FR MORE THAN ONE PENSION/Self
    KQR218          NUMBER OF PENSIONS R RECEIVED/Self
    KQR236_1        R PENSION CONTINUE HOW -1/Self
    KQR236_2        R PENSION CONTINUE HOW -2/Self
HRS 2008:
    LQ215           PENSION RETIREMENT INCOME
    LQR216          WHO REC PENSION RETIREMENT INC/Self
    LQR217          INCOME FR MORE THAN ONE PENSION/Self
    LQR218          NUMBER OF PENSIONS R RECEIVED/Self
    LQR236_1        PENSION CONTINUE HOW -1/Self
    LQR236_2        PENSION CONTINUE HOW -2/Self
HRS 2010:
    MQ215           PENSION RETIREMENT INCOME
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    MQR216          WHO REC PENSION RETIREMENT INC/Self
    MQR217          INCOME FR MORE THAN ONE PENSION/Self
    MQR218          NUMBER OF PENSIONS R RECEIVED/Self
    MQR236_1        PENSION CONTINUE HOW -1/Self
    MQR236_2        PENSION CONTINUE HOW -2/Self
HRS 2012:
    NJ2W054_1       R DIE WILL BENEFITS CONTINUE -1_1
    NJ2W054_10      R DIE WILL BENEFITS CONTINUE -1_10
    NJ2W054_2       R DIE WILL BENEFITS CONTINUE -1_2
    NJ2W054_3       R DIE WILL BENEFITS CONTINUE -1_3
    NJ2W054_4       R DIE WILL BENEFITS CONTINUE -1_4
    NJ2W054_5       R DIE WILL BENEFITS CONTINUE -1_5
    NJ2W054_6       R DIE WILL BENEFITS CONTINUE -1_6
    NJ2W054_7       R DIE WILL BENEFITS CONTINUE -1_7
    NJ2W054_8       R DIE WILL BENEFITS CONTINUE -1_8
    NJ2W054_9       R DIE WILL BENEFITS CONTINUE -1_9
    NQ215           PENSION RETIREMENT INCOME
    NQR216          WHO REC PENSION RETIREMENT INC/Self
    NQR217          INCOME FR MORE THAN ONE PENSION/Self
    NQR218          NUMBER OF PENSIONS R RECEIVED/Self
    NQR236_1        PENSION CONTINUE HOW -1/Self
    NQR236_2        PENSION CONTINUE HOW -2/Self
HRS 2014:
    OJ2W054_1       R DIE WILL BENEFITS CONTINUE_1
    OJ2W054_10      R DIE WILL BENEFITS CONTINUE_10
    OJ2W054_2       R DIE WILL BENEFITS CONTINUE_2
    OJ2W054_3       R DIE WILL BENEFITS CONTINUE_3
    OJ2W054_4       R DIE WILL BENEFITS CONTINUE_4
    OJ2W054_5       R DIE WILL BENEFITS CONTINUE_5
    OJ2W054_6       R DIE WILL BENEFITS CONTINUE_6
    OJ2W054_7       R DIE WILL BENEFITS CONTINUE_7
    OJ2W054_8       R DIE WILL BENEFITS CONTINUE_8
    OJ2W054_9       R DIE WILL BENEFITS CONTINUE_9
    OQ215           PENSION RETIREMENT INCOME
    OQR216          WHO REC PENSION RETIREMENT INC/Self
    OQR217          INCOME FR MORE THAN ONE PENSION/Self
    OQR218          NUMBER OF PENSIONS R RECEIVED/Self
    OQR236_1        PENSION CONTINUE HOW -1/Self
    OQR236_2        PENSION CONTINUE HOW -2/Self
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Any pension from current job

Wave	Variable	Label	Type
1	R1JCPEN	R1JCPEN:W1 Has pension current job	Categ
2	R2JCPEN	R2JCPEN:W2 Has pension current job	Categ
3	R3JCPEN	R3JCPEN:W3 Has pension current job	Categ
4	R4JCPEN	R4JCPEN:W4 Has pension current job	Categ
5	R5JCPEN	R5JCPEN:W5 Has pension current job	Categ
6	R6JCPEN	R6JCPEN:W6 Has pension current job	Categ
7	R7JCPEN	R7JCPEN:W7 Has pension current job	Categ
8	R8JCPEN	R8JCPEN:W8 Has pension current job	Categ
9	R9JCPEN	R9JCPEN:W9 Has pension current job	Categ
10	R10JCPEN	R10JCPEN:W10 Has pension current job	Categ
11	R11JCPEN	R11JCPEN:W11 Has pension current job	Categ
12	R12JCPEN	R12JCPEN:W12 Has pension current job	Categ
1	S1JCPEN	S1JCPEN:W1 Has pension current job	Categ
2	S2JCPEN	S2JCPEN:W2 Has pension current job	Categ
3	S3JCPEN	S3JCPEN:W3 Has pension current job	Categ
4	S4JCPEN	S4JCPEN:W4 Has pension current job	Categ
5	S5JCPEN	S5JCPEN:W5 Has pension current job	Categ
6	S6JCPEN	S6JCPEN:W6 Has pension current job	Categ
7	S7JCPEN	S7JCPEN:W7 Has pension current job	Categ
8	S8JCPEN	S8JCPEN:W8 Has pension current job	Categ
9	S9JCPEN	S9JCPEN:W9 Has pension current job	Categ
10	S10JCPEN	S10JCPEN:W10 Has pension current job	Categ
11	S11JCPEN	S11JCPEN:W11 Has pension current job	Categ
12	S12JCPEN	S12JCPEN:W12 Has pension current job	Categ
1	R1JCPENF	R1JCPENF:W1 Further info on JCPEN	Categ
2	R2JCPENF	R2JCPENF:W2 Further info on JCPEN	Categ
3	R3JCPENF	R3JCPENF:W3 Further info on JCPEN	Categ
4	R4JCPENF	R4JCPENF:W4 Further info on JCPEN	Categ
5	R5JCPENF	R5JCPENF:W5 Further info on JCPEN	Categ
6	R6JCPENF	R6JCPENF:W6 Further info on JCPEN	Categ
7	R7JCPENF	R7JCPENF:W7 Further info on JCPEN	Categ
8	R8JCPENF	R8JCPENF:W8 Further info on JCPEN	Categ
1	S1JCPENF	S1JCPENF:W1 Further info on JCPEN	Categ
2	S2JCPENF	S2JCPENF:W2 Further info on JCPEN	Categ
3	S3JCPENF	S3JCPENF:W3 Further info on JCPEN	Categ
4	S4JCPENF	S4JCPENF:W4 Further info on JCPEN	Categ
5	S5JCPENF	S5JCPENF:W5 Further info on JCPEN	Categ
6	S6JCPENF	S6JCPENF:W6 Further info on JCPEN	Categ
7	S7JCPENF	S7JCPENF:W7 Further info on JCPEN	Categ
8	S8JCPENF	S8JCPENF:W8 Further info on JCPEN	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCPEN	8295	0.54	0.50	0.0	1.0
R2JCPEN	7010	0.54	0.50	0.0	1.0
R3JCPEN	6565	0.50	0.50	0.0	1.0
R4JCPEN	8288	0.48	0.50	0.0	1.0
R5JCPEN	7111	0.48	0.50	0.0	1.0
R6JCPEN	6002	0.45	0.50	0.0	1.0
R7JCPEN	7788	0.47	0.50	0.0	1.0
R8JCPEN	6564	0.44	0.50	0.0	1.0
R9JCPEN	5796	0.45	0.50	0.0	1.0
R10JCPEN	8714	0.47	0.50	0.0	1.0
R11JCPEN	7829	0.50	0.50	0.0	1.0

R12JCPEN	6748	0.49	0.50	0.0	1.0
S1JCPEN	6546	0.54	0.50	0.0	1.0
S2JCPEN	5476	0.53	0.50	0.0	1.0
S3JCPEN	5014	0.50	0.50	0.0	1.0
S4JCPEN	6165	0.50	0.50	0.0	1.0
S5JCPEN	5312	0.49	0.50	0.0	1.0
S6JCPEN	4462	0.45	0.50	0.0	1.0
S7JCPEN	5720	0.48	0.50	0.0	1.0
S8JCPEN	4816	0.45	0.50	0.0	1.0
S9JCPEN	4189	0.46	0.50	0.0	1.0
S10JCPEN	6018	0.48	0.50	0.0	1.0
S11JCPEN	5417	0.52	0.50	0.0	1.0
S12JCPEN	4601	0.51	0.50	0.0	1.0
R1JCPENF	8295	0.00	0.00	0.0	0.0
R2JCPENF	7010	0.66	1.20	0.0	11.0
R3JCPENF	6565	0.64	1.20	0.0	9.0
R4JCPENF	8288	0.54	1.33	0.0	9.0
R5JCPENF	7111	0.73	1.45	0.0	9.0
R6JCPENF	6002	0.77	1.65	0.0	11.0
R7JCPENF	7788	0.45	1.28	0.0	11.0
R8JCPENF	6564	0.72	1.50	0.0	11.0
S1JCPENF	6546	0.00	0.00	0.0	0.0
S2JCPENF	5476	0.67	1.21	0.0	11.0
S3JCPENF	5014	0.63	1.20	0.0	9.0
S4JCPENF	6165	0.54	1.31	0.0	9.0
S5JCPENF	5312	0.75	1.48	0.0	9.0
S6JCPENF	4462	0.77	1.64	0.0	11.0
S7JCPENF	5720	0.44	1.26	0.0	11.0
S8JCPENF	4816	0.74	1.52	0.0	10.0

Categorical Variable Codes

Value	R1JCPEN	R2JCPEN	R3JCPEN	R4JCPEN	R5JCPEN	R6JCPEN	R7JCPEN
.D=DK	68	21	21	33	43	32	32
.M=Oth missing		12	224	66	43	1	2
.Q=Not asked this wv		8222					
.R=RF	16	1	7	11	6	27	19
.W=Not working	4273	4376	11174	12986	12376	12103	12288
0.No	3839	3254	3293	4273	3711	3323	4127
1.Yes	4456	3756	3272	4015	3400	2679	3661

Value	R8JCPEN	R9JCPEN	R10JCPEN	R11JCPEN	R12JCPEN
.D=DK	25	36	67	118	95
.M=Oth missing	39	24	41		
.R=RF	14	22	34	10	19
.W=Not working	11827	11339	13178	12597	11886
0.No	3658	3212	4624	3897	3445
1.Yes	2906	2584	4090	3932	3303

Value	S1JCPEN	S2JCPEN	S3JCPEN	S4JCPEN	S5JCPEN	S6JCPEN	S7JCPEN
.D=DK	46	15	17	22	35	24	27
.M=Oth missing		9	137	49	29	1	1
.Q=Not asked this wv		4549					
.R=RF	10		5	1	4	20	15
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Not working	3298	3239	6742	7741	7350	7132	7209
0.No	3034	2549	2506	3106	2720	2444	2973
1.Yes	3512	2927	2508	3059	2592	2018	2747

Value	S8JCPEN	S9JCPEN	S10JCPEN	S11JCPEN	S12JCPEN
.D=DK	23	27	43	75	56
.M=Oth missing	27	15	27		
.R=RF	7	13	20	5	10
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Not working	6862	6402	7405	6991	6364
0.No	2640	2272	3132	2620	2267
1.Yes	2176	1917	2886	2797	2334

Value	R1JCPENF	R2JCPENF	R3JCPENF	R4JCPENF	R5JCPENF	R6JCPENF	R7JCPENF
.Q=Not asked this wv		8222					
.S=No pen info	4357	4410	11426	13096	12468	12163	12341
0.No addl info	8295	3853	3826	5754	4295	3702	5907
1.No rules chg		2777	2323	2036	2203	1732	1492
2.No chg/JCPEN=no, b/c 0 pl		13	72	117	43	104	67
3.No chg/PENCT= #ptyp or gt		2				5	9
4.Rules chg		271	262	228	405	256	164
5.Rule chg/JCPEN=no, b/c 0		4			2	3	5
6.New Pen/JCPEN=no, b/c 0 p					20	10	15
7.Old and new pen info		10	4	4		10	
8.Denies but had pen		73	68	80	142	123	113
9.Denies and no pen			10	69	1	53	
10.RuleChg/PENCT= #ptyp, gt		4				1	
11.New Pen/PENCT= #ptyp, gt		3				3	16

Value	R8JCPENF
.S=No pen info	11905
0.No addl info	3960
1.No rules chg	2068
2.No chg/JCPEN=no, b/c 0 pl	98
3.No chg/PENCT= #ptyp or gt	4
4.Rules chg	245
5.Rule chg/JCPEN=no, b/c 0	6
6.New Pen/JCPEN=no, b/c 0 p	7
8.Denies but had pen	172
10.RuleChg/PENCT= #ptyp, gt	3
11.New Pen/PENCT= #ptyp, gt	1

Value	S1JCPENF	S2JCPENF	S3JCPENF	S4JCPENF	S5JCPENF	S6JCPENF	S7JCPENF
.Q=Not asked this wv		4549					
.S=No pen info	3354	3263	6901	7813	7418	7177	7252
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
0.No addl info	6546	3015	2935	4244	3138	2746	4319
1.No rules chg		2150	1766	1543	1704	1298	1133
2.No chg/JCPEN=no, b/c 0 pl		11	50	91	33	76	46
3.No chg/PENCT= #ptyp or gt		2				3	9
4.Rules chg		225	200	179	306	193	106
5.Rule chg/JCPEN=no, b/c 0		4			2	2	5
6.New Pen/JCPEN=no, b/c 0 p					15	7	10
7.Old and new pen info		9	4	3		4	
8.Denies but had pen		54	53	61	113	91	80
9.Denies and no pen			6	44	1	39	
10.RuleChg/PENCT= #ptyp, gt		3					
11.New Pen/PENCT= #ptyp, gt		3				3	12

Value	S8JCPENF
.S=No pen info	6919
.U=Unmarried	6417
.V=Spouse NR	317
0.No addl info	2869
1.No rules chg	1544
2.No chg/JCPEN=no, b/c 0 pl	76
3.No chg/PENCT= #ptyp or gt	2
4.Rules chg	184
5.Rule chg/JCPEN=no, b/c 0	3
6.New Pen/JCPEN=no, b/c 0 p	3
8.Denies but had pen	133
10.RuleChg/PENCT= #ptyp, gt	2

Format Reference Tables – complete variable value labels

```
Variables: JCPENF
-------------------------------------------------
.D=DK
.M=Oth missing
.Q=Not asked this wv
.R=RF
.S=No pen info
.U=Unmarried
.V=Spouse NR
0.No addl info
1.No rules chg
2.No chg/JCPEN=no, b/c 0 plan
3.No chg/PENCT= #ptyp or gt1 Q
4.Rules chg
5.Rule chg/JCPEN=no, b/c 0 pln
6.New Pen/JCPEN=no, b/c 0 plan
7.Old and new pen info
8.Denies but had pen
9.Denies and no pen
10.RuleChg/PENCT= #ptyp, gt1 Q
11.New Pen/PENCT= #ptyp, gt1 Q
```

How Constructed

RwJCPEN indicates whether the Respondent has any pension plan from the current job, and RwJCPENF provides additional detail about the source of information for RwJCPEN. SwJCPEN and SwJCPENF provide the information for the Respondent's spouse or partner.

Until Wave 9, the set of questions asked differs depending on whether the Respondent had a pension and worked for the same employer in the previous wave or not. Whether the Respondent is considered to have had a pension in the previous wave is indicated by a preloaded variable. Considerably more information is collected about pensions that are newly reported or where the rules have changed. RwJCPENF indicates which situation applies to the Respondent in Wave "w."

If the Respondent is working, questions ask about the current job's pension plan. If the current job is newly reported in a given wave or if the Respondent was not included in a pension plan with the current employer at the previous wave, the Respondent is asked if s/he is included in a pension plan and if so, how many. In follow-up questions, characteristics of the plans are collected. Before Wave 5, questions ask about up to three plans. From Wave 5 to Wave 10, they ask about up to four.

RwJCPEN is set to yes (=1) if the Respondent reports being included in a pension and subsequently reports at least one pension when asked how many, or if the Respondent reports at least one plan type. If the Respondent responds "no" to the inclusion question or if the number of pension plans is "zero" and no plan type is reported, then RwJCPEN is set to no (=0). RwJCPENF (=6) flags cases where RwJCPEN is set to "no" based on the number of plans being zero.

If the Respondent is working for the same employer as in the previous wave and was included in a pension plan, then s/he is asked if the rules of the pension have changed. If the Respondent indicates that the rules have changed, s/he is asked the complete set of questions about newly reported pensions. If the rules have not changed, a limited number of follow-up questions about pension characteristics are asked, with the exception of Wave 7 where the Respondent is asked the complete set of questions regardless of whether the rules have changed. The Respondent may also deny having the pension.

If the Respondent is working for the same employer as in the previous wave, was included in a pension plan, and the rules have not changed, then RwJCPEN is assumed to be yes (=1), unless either the pension is denied, or the number of plans reported is zero and no plan type is given. If the Respondent denies having a pension, RwJCPEN is set to "zero," and RwJCPENF (=8 or 9) indicates the denial along with whether the data show the Respondent reporting a pension in the

previous wave. Whether or not the Respondent indicates a rules change, RwJCPEN is set to no (=0) if the number of plans reported is zero, and if no plan type information is reported. RwJCPENF (=2 or 5) indicates whether this was done, as well as whether a rules change was reported (=1, 2, or 3) or not (=4 or 5). If the number of plans reported is "zero" and any plan type information is provided, the presence of plan types are used to count the number of pensions, and RwJCPENF (=3) flags that this was done.

In some cases, information appears in both sets of questions, usually when the Respondent reports having more than three (or four) pensions for which the rules did not change. These cases are flagged by RwJCPENF (=7), and only the information associated with no rules change is used.

In Waves 9 and 10, the pension questionnaire changed. The skip patterns are less complicated, and less information is collected. We will not be including RwJCPENF from Wave 9 forward because everyone is asked if they have a pension on their current job right at the beginning of the section. So, unlike previous waves, there is only one way the Respondent is asked this question.

In Wave 11, the pension questionnaire changed again. It aims to establish a complete inventory of all pensions that the Respondent may have pertaining to current or any prior jobs. The Respondent is first asked about all pensions that he or she reported in a previous wave, as well as any new pensions the Respondent may have. This inventory of pensions is recorded in the data at the pension level so that in the 2012 data, one Respondent can have multiple observations depending on the number of past and current pensions s/he holds. We have aggregated these pension records to create Respondent-level variables that are derived for longitudinal comparison to the current pension. Plans are assigned as active or inactive (dead) based on their status for the purpose of controlling follow-up questions. In addition, blocks of questions are asked dependent upon whether a plan is from a new job or previous wave job. Going forward, RwJCPEN is set to yes (=1) if the Respondent indicates they are included in a pension plan on their current job or they have money in a retirement account through their current job, and their plan is assigned as active. RwJCPEN is also set to yes (=1) if the Respondent reports an active pension that is not on the current job but has a valid job start with a missing end date, indicating that the pension does refer to their current job. Lastly, RwJCPEN is set to yes (=1) when the Respondent has a new plan or a preloaded plan, and the Respondent is currently enrolled in a plan.

RwJCPEN is set to .W if skipped because the Respondent has no current job.

RwJCPEN is set to .M if the Respondent has a current job but did not respond to the pension questions or is set to other missing values indicated in the HRS variables as appropriate.

SwJCPEN and SwJCPENF information is taken from the spouse's self-reported RwJCPEN and RwJCPENF variables, if available. If the Respondent is not married, SwJCPEN and SwJCPENF are set to .U=unmarried. If the Respondent's spouse did not respond, then SwJCPEN and SwJCPENF are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Wave 1, questions ask about the current job's pension. The wording differs depending on whether the Respondent is self-employed or not. For the self-employed, the question asks: "Aside from IRA or Keogh plans, are you included in any pension plans or tax-deferred savings plans through your work?" For those employed by a firm, the question asks: "Now I'd like to ask about pension or retirement plans on your job, sponsored by your employer or union. This includes not only basic pension or retirement plans, but also tax-deferred plans like thrift, savings, 401k, deferred profit-sharing, or stock ownership plans. Are you included in any such pension, retirement, or tax-deferred plan with this employer?"

In Wave 2H, 3H and from Wave 4 to Wave 11, those who are with the same employer and who reported having a

pension at the previous wave are asked if the rules have changed. Those working who a) did not report a current job pension in the previous wave or b) who changed jobs between waves are asked if they are included in a pension plan on the current job. The question wording differs depending on whether the Respondent is self-employed or not.

Those with a pension in a previous wave and who were employed by the same firm or self-employed in the current and previous waves are asked: "Have the rules that govern your pension benefits or the age you can receive them changed since [PREVIOUS WAVE MONTH/YEAR]?" For those employed by a new firm or employed by the same firm without a previous wave pension, the question is the same as that asked of firm employees in Wave 1. For those who are newly self-employed or still self-employed without a previous wave pension, the question is the same as that in Wave 1, preceded by the statement: "Now I'd like to ask about pension or retirement plans on your job."

For those employed by the same firm, or self-employed in the current and previous waves, who had a pension in a previous wave, question asks: "Have the rules that govern your pension benefits or the age you can receive them changed since [PREVIOUS WAVE MONTH/YEAR]?" For those employed by a new firm or employed by the same firm without a previous wave pension, the question is the same as that asked of firm employees in Wave 1. For those who are newly self-employed or still self-employed without a previous wave pension, the question is the same as that in Wave 1, preceded by the statement: "Now I'd like to ask about pension or retirement plans on your job."

The questions are not asked in Wave 2A.

In Wave 3A, only the questions about the current job's pension plan are asked, with the same wording as in Wave 1.

Except in Wave 7, a limited number of follow-up questions about pension characteristics are asked of those who: a) report working for the same employer as in the previous wave, b) were included in a pension plan at that time, and c) indicate that the rules have not changed. In Wave 7 only, the Respondent is asked the complete set of follow-up questions about the current job pension regardless of whether the rules have changed. In all waves, the complete set of questions is asked of all those who: a) report having a new current job pension, i.e., those who changed jobs or self-employment status between waves, b) did not report having a current job pension at the prior wave, c) report a rules change in the pension they had in the previous wave, or d) are new to the HRS study.

In Waves 9 and 10, the pension questionnaire changed. The skip patterns are less complicated and less information is collected. As a result, we are not including RwJCPENF for these later waves. All Respondents are asked at the beginning of the section if they have a pension from their current job. So, unlike previous waves, there is only one way the Respondent is asked this question.

Beginning in Wave 11, there was a major change as to how HRS records Respondents' pensions. The Respondent is no longer asked how many pensions he or she has. Instead we derive R11JCPEN from employment variables that ask if the Respondent has a pension on their current job in conjunction with questions that elicit an inventory of all pensions that the Respondent may have and indicates which pensions are active or inactive. We also use job start and end dates to determine if the pension is from their current employment.

HRS Variables Used

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HRS 1992:
    V2838           F36:PENSION PLANS
    V2901           F37:PENS/RET PLNS ON JOB
HRS 1994:
    W3710           FA63.PENSION RULES CHANG
    W3748           FA71.PLAN OFFERED BY EMP
    W4375           FB26.PENSION/RETIREMENT
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    W4376           FB27.PENSION RULES CHANG
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2955           GA71. WHETHER PENSION PLAN
    D3287           GB26.INCLUDED IN PENSION PLAN
HRS 1996:
    E2835           G67.PENSION RULES CHANGED
    E2861           G75.PLAN OFFERED BY EMPLOYER
HRS 1998:
    F3359           G67.PENSION RULES CHANGED
    F3389           G75.PLAN OFFERED BY EMPLOYER
HRS 2000:
    G3619           G67.PENSION RULES CHANGED
    G3654           G75.PLAN OFFERED BY EMPLOYER
HRS 2002:
    HJ268           PENSION RULES CHANGED
    HJ324           PLAN OFFERED BY EMPLOYER
HRS 2004:
    JJ268           PENSION RULES CHANGED
    JJ324           PLAN OFFERED BY EMPLOYER
HRS 2006:
    KJ268           PENSION RULES CHANGED
    KJ324           PLAN OFFERED BY EMPLOYER
HRS 2008:
    LJ324           PLAN OFFERED BY EMPLOYER
    LJ848           FIRM/UNION OFFERS PENSION
    LJ849           PARTICIPATING IN PLAN
HRS 2010:
    MJ848           FIRM/UNION OFFERS PENSION
    MJ849           PARTICIPATING IN PLAN
HRS 2012:
    NJ2352_1        YEARS IN PLAN -1_1
    NJ2352_10       YEARS IN PLAN -1_10
    NJ2352_2        YEARS IN PLAN -1_2
    NJ2352_3        YEARS IN PLAN -1_3
    NJ2352_4        YEARS IN PLAN -1_4
    NJ2352_5        YEARS IN PLAN -1_5
    NJ2352_6        YEARS IN PLAN -1_6
    NJ2352_7        YEARS IN PLAN -1_7
    NJ2352_8        YEARS IN PLAN -1_8
    NJ2352_9        YEARS IN PLAN -1_9
    NJ2W401_1       ANY OTHER PENSIONS_1
    NJ2W401_10      ANY OTHER PENSIONS_10
    NJ2W401_2       ANY OTHER PENSIONS_2
    NJ2W401_3       ANY OTHER PENSIONS_3
    NJ2W401_4       ANY OTHER PENSIONS_4
    NJ2W401_5       ANY OTHER PENSIONS_5
    NJ2W401_6       ANY OTHER PENSIONS_6
    NJ2W401_7       ANY OTHER PENSIONS_7
    NJ2W401_8       ANY OTHER PENSIONS_8
    NJ2W401_9       ANY OTHER PENSIONS_9
    NJ2W403_1       STILL HAVE PLAN NOW_1
    NJ2W403_10      STILL HAVE PLAN NOW_10
    NJ2W403_2       STILL HAVE PLAN NOW_2
    NJ2W403_3       STILL HAVE PLAN NOW_3
    NJ2W403_4       STILL HAVE PLAN NOW_4
    NJ2W403_5       STILL HAVE PLAN NOW_5
    NJ2W403_6       STILL HAVE PLAN NOW_6
    NJ2W403_7       STILL HAVE PLAN NOW_7
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    NJ2W403_8       STILL HAVE PLAN NOW_8
    NJ2W403_9       STILL HAVE PLAN NOW_9
    NJ2W410_1       BEGIN -1_1
    NJ2W410_10      BEGIN -1_10
    NJ2W410_2       BEGIN -1_2
    NJ2W410_3       BEGIN -1_3
    NJ2W410_4       BEGIN -1_4
    NJ2W410_5       BEGIN -1_5
    NJ2W410_6       BEGIN -1_6
    NJ2W410_7       BEGIN -1_7
    NJ2W410_8       BEGIN -1_8
    NJ2W410_9       BEGIN -1_9
    NJ2W411_1       END -1_1
    NJ2W411_10      END -1_10
    NJ2W411_2       END -1_2
    NJ2W411_3       END -1_3
    NJ2W411_4       END -1_4
    NJ2W411_5       END -1_5
    NJ2W411_6       END -1_6
    NJ2W411_7       END -1_7
    NJ2W411_8       END -1_8
    NJ2W411_9       END -1_9
    NJ2W451_1       PLAN ACTIVE OR DEAD -1_1
    NJ2W451_10      PLAN ACTIVE OR DEAD -1_10
    NJ2W451_2       PLAN ACTIVE OR DEAD -1_2
    NJ2W451_3       PLAN ACTIVE OR DEAD -1_3
    NJ2W451_4       PLAN ACTIVE OR DEAD -1_4
    NJ2W451_5       PLAN ACTIVE OR DEAD -1_5
    NJ2W451_6       PLAN ACTIVE OR DEAD -1_6
    NJ2W451_7       PLAN ACTIVE OR DEAD -1_7
    NJ2W451_8       PLAN ACTIVE OR DEAD -1_8
    NJ2W451_9       PLAN ACTIVE OR DEAD -1_9
    NJ2W452_1       WHETHER PLAN FROM NEW OR SAME JOB -1_1
    NJ2W452_10      WHETHER PLAN FROM NEW OR SAME JOB -1_10
    NJ2W452_2       WHETHER PLAN FROM NEW OR SAME JOB -1_2
    NJ2W452_3       WHETHER PLAN FROM NEW OR SAME JOB -1_3
    NJ2W452_4       WHETHER PLAN FROM NEW OR SAME JOB -1_4
    NJ2W452_5       WHETHER PLAN FROM NEW OR SAME JOB -1_5
    NJ2W452_6       WHETHER PLAN FROM NEW OR SAME JOB -1_6
    NJ2W452_7       WHETHER PLAN FROM NEW OR SAME JOB -1_7
    NJ2W452_8       WHETHER PLAN FROM NEW OR SAME JOB -1_8
    NJ2W452_9       WHETHER PLAN FROM NEW OR SAME JOB -1_9
    NJ849           PARTICIPATING IN PLAN
    NJ851           FIRM HAS PEN ACCOUNT-NOT CONTRIBUTING
HRS 2014:
    OJ2352_1        YEARS IN PLAN_1
    OJ2352_10       YEARS IN PLAN_10
    OJ2352_2        YEARS IN PLAN_2
    OJ2352_3        YEARS IN PLAN_3
    OJ2352_4        YEARS IN PLAN_4
    OJ2352_5        YEARS IN PLAN_5
    OJ2352_6        YEARS IN PLAN_6
    OJ2352_7        YEARS IN PLAN_7
    OJ2352_8        YEARS IN PLAN_8
    OJ2352_9        YEARS IN PLAN_9
    OJ2W401_1       ANY OTHER PENSIONS_1
    OJ2W401_10      ANY OTHER PENSIONS_10
    OJ2W401_2       ANY OTHER PENSIONS_2
    OJ2W401_3       ANY OTHER PENSIONS_3
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OJ2W401_4	ANY OTHER PENSIONS_4
OJ2W401_5	ANY OTHER PENSIONS_5
OJ2W401_6	ANY OTHER PENSIONS_6
OJ2W401_7	ANY OTHER PENSIONS_7
OJ2W401_8	ANY OTHER PENSIONS_8
OJ2W401_9	ANY OTHER PENSIONS_9
OJ2W403_1	STILL HAVE PLAN NOW_1
OJ2W403_10	STILL HAVE PLAN NOW_10
OJ2W403_2	STILL HAVE PLAN NOW_2
OJ2W403_3	STILL HAVE PLAN NOW_3
OJ2W403_4	STILL HAVE PLAN NOW_4
OJ2W403_5	STILL HAVE PLAN NOW_5
OJ2W403_6	STILL HAVE PLAN NOW_6
OJ2W403_7	STILL HAVE PLAN NOW_7
OJ2W403_8	STILL HAVE PLAN NOW_8
OJ2W403_9	STILL HAVE PLAN NOW_9
OJ2W410_1	BEGIN_1
OJ2W410_10	BEGIN_10
OJ2W410_2	BEGIN_2
OJ2W410_3	BEGIN_3
OJ2W410_4	BEGIN_4
OJ2W410_5	BEGIN_5
OJ2W410_6	BEGIN_6
OJ2W410_7	BEGIN_7
OJ2W410_8	BEGIN_8
OJ2W410_9	BEGIN_9
OJ2W411_1	END_1
OJ2W411_10	END_10
OJ2W411_2	END_2
OJ2W411_3	END_3
OJ2W411_4	END_4
OJ2W411_5	END_5
OJ2W411_6	END_6
OJ2W411_7	END_7
OJ2W411_8	END_8
OJ2W411_9	END_9
OJ2W451_1	PLAN ACTIVE OR DEAD_1
OJ2W451_10	PLAN ACTIVE OR DEAD_10
OJ2W451_2	PLAN ACTIVE OR DEAD_2
OJ2W451_3	PLAN ACTIVE OR DEAD_3
OJ2W451_4	PLAN ACTIVE OR DEAD_4
OJ2W451_5	PLAN ACTIVE OR DEAD_5
OJ2W451_6	PLAN ACTIVE OR DEAD_6
OJ2W451_7	PLAN ACTIVE OR DEAD_7
OJ2W451_8	PLAN ACTIVE OR DEAD_8
OJ2W451_9	PLAN ACTIVE OR DEAD_9
OJ2W452_1	WHETHER PLAN FROM NEW OR SAME JOB_1
OJ2W452_10	WHETHER PLAN FROM NEW OR SAME JOB_10
OJ2W452_2	WHETHER PLAN FROM NEW OR SAME JOB_2
OJ2W452_3	WHETHER PLAN FROM NEW OR SAME JOB_3
OJ2W452_4	WHETHER PLAN FROM NEW OR SAME JOB_4
OJ2W452_5	WHETHER PLAN FROM NEW OR SAME JOB_5
OJ2W452_6	WHETHER PLAN FROM NEW OR SAME JOB_6
OJ2W452_7	WHETHER PLAN FROM NEW OR SAME JOB_7
OJ2W452_8	WHETHER PLAN FROM NEW OR SAME JOB_8
OJ2W452_9	WHETHER PLAN FROM NEW OR SAME JOB_9
OJ849	PARTICIPATING IN PLAN
OJ851	FIRM HAS PEN ACCOUNT-NOT CONTRIBUTING

of pensions from current job

Wave	Variable	Label	Type
1	R1PENCT	R1PENCT:W1 # pensions current job	Categ
2	R2PENCT	R2PENCT:W2 # pensions current job	Categ
3	R3PENCT	R3PENCT:W3 # pensions current job	Categ
4	R4PENCT	R4PENCT:W4 # pensions current job	Categ
5	R5PENCT	R5PENCT:W5 # pensions current job	Categ
6	R6PENCT	R6PENCT:W6 # pensions current job	Categ
7	R7PENCT	R7PENCT:W7 # pensions current job	Categ
8	R8PENCT	R8PENCT:W8 # pensions current job	Categ
9	R9PENCT	R9PENCT:W9 # pensions current job	Categ
10	R10PENCT	R10PENCT:W10 # pensions current job	Categ
11	R11PENCT	R11PENCT:W11 # pensions current job	Categ
12	R12PENCT	R12PENCT:W12 # pensions current job	Categ
1	S1PENCT	S1PENCT:W1 # pensions current job	Categ
2	S2PENCT	S2PENCT:W2 # pensions current job	Categ
3	S3PENCT	S3PENCT:W3 # pensions current job	Categ
4	S4PENCT	S4PENCT:W4 # pensions current job	Categ
5	S5PENCT	S5PENCT:W5 # pensions current job	Categ
6	S6PENCT	S6PENCT:W6 # pensions current job	Categ
7	S7PENCT	S7PENCT:W7 # pensions current job	Categ
8	S8PENCT	S8PENCT:W8 # pensions current job	Categ
9	S9PENCT	S9PENCT:W9 # pensions current job	Categ
10	S10PENCT	S10PENCT:W10 # pensions current job	Categ
11	S11PENCT	S11PENCT:W11 # pensions current job	Categ
12	S12PENCT	S12PENCT:W12 # pensions current job	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PENCT	4452	1.33	0.59	1.0	8.0
R2PENCT	3733	1.22	0.49	1.0	5.0
R3PENCT	3230	1.23	0.51	1.0	8.0
R4PENCT	3960	1.28	0.54	1.0	6.0
R5PENCT	3361	1.23	0.48	1.0	5.0
R6PENCT	2637	1.23	0.48	1.0	4.0
R7PENCT	3623	1.34	0.60	1.0	6.0
R8PENCT	2880	1.21	0.47	1.0	5.0
R9PENCT	2576	1.35	0.57	1.0	5.0
R10PENCT	4077	1.38	0.62	1.0	8.0
R11PENCT	3932	1.32	0.56	1.0	5.0
R12PENCT	3303	1.29	0.54	1.0	5.0
S1PENCT	3508	1.34	0.60	1.0	8.0
S2PENCT	2910	1.22	0.50	1.0	5.0
S3PENCT	2474	1.23	0.51	1.0	5.0
S4PENCT	3015	1.29	0.55	1.0	6.0
S5PENCT	2559	1.23	0.49	1.0	5.0
S6PENCT	1985	1.23	0.48	1.0	4.0
S7PENCT	2719	1.35	0.61	1.0	6.0
S8PENCT	2157	1.22	0.48	1.0	5.0
S9PENCT	1911	1.36	0.58	1.0	5.0
S10PENCT	2876	1.38	0.62	1.0	8.0
S11PENCT	2797	1.32	0.57	1.0	5.0
S12PENCT	2334	1.30	0.55	1.0	5.0

Categorical Variable Codes

Value	R1PENCT	R2PENCT	R3PENCT	R4PENCT	R5PENCT	R6PENCT	R7PENCT
.D=DK	1	18	28	43	35	30	29
.M=Oth missing			8	1	2		1
.Q=Not asked this wv		8222					
.R=RF	3	5	6	11	2	12	8
.S=No pen info	8196	7647	14647	17252	16114	15369	16381
.Z=No pen based on PENCT		17	72	117	65	117	87
1	3209	3037	2611	3001	2680	2105	2569
2	1058	606	532	833	614	477	898
3	161	72	72	110	56	48	130
4	18	15	12	12	8	7	18
5	3	3	2	3	3		6
6	2			1			2
8	1		1				

Value	R8PENCT	R9PENCT	R10PENCT	R11PENCT	R12PENCT
.D=DK	17	7	7		
.M=Oth missing	5				
.R=RF	4	2	7		
.S=No pen info	15452	14632	17943	16622	15445
.Z=No pen based on PENCT	111				
1	2324	1784	2748	2868	2466
2	502	692	1130	900	720
3	49	91	172	148	105
4	2	7	23	15	10
5	3	2		1	2
6			3		
8			1		

Value	S1PENCT	S2PENCT	S3PENCT	S4PENCT	S5PENCT	S6PENCT	S7PENCT
.D=DK	1	14	24	34	30	26	24
.M=Oth missing			6	1	1		1
.Q=Not asked this wv		4549					
.R=RF	3	3	4	9	2	7	3
.S=No pen info	6388	5797	9357	10828	10088	9536	10164
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.Z=No pen based on PENCT		15	50	91	50	85	61
1	2512	2354	1982	2259	2027	1574	1913
2	844	479	418	655	479	369	687
3	130	61	62	87	44	36	96
4	16	14	10	10	6	6	16
5	3	2	2	3	3		5
6	2			1			2
8	1						

Value	S8PENCT	S9PENCT	S10PENCT	S11PENCT	S12PENCT
.D=DK	12	5	6		
.M=Oth missing	4				
.R=RF	3	2	5		
.S=No pen info	9477	8728	10626	9691	8697
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.Z=No pen based on PENCT	82				
1	1734	1315	1938	2030	1730
2	378	517	796	644	515
3	40	71	124	112	81
4	2	6	15	10	7
5	3	2		1	1
6			2		
8			1		

How Constructed

RwPENCT indicates the number of pension plans that the Respondent has from her/his current job. SwPENCT provides the information for the Respondent's spouse or partner.

If the Respondent indicates that s/he has a pension plan from the current job, s/he is asked for the number of plans. RwPENCT is set to the number of pension plans that the Respondent reports. If the Respondent reports zero plans but provides any pension type information, RwPENCT is set to the number of plans with pension type information.

RwPENCT is set to .S if skipped because the Respondent has no pension in the current job, was missing whether s/he has a pension, or is not working. It is set to .Z if the Respondent reported having zero pension plans and did not provide any plan type information. Note that in this situation, RwJCPEN was set to "no." From Wave 6 to Wave 9, if the Respondent doesn't know the number of plans, a follow-up question asks if it is more than one. If the response is just one plan then RwPENCT is set to "1." If it is more than one, then RwPENCT is set to "2." Otherwise, RwPENCT is set to other missing values as appropriate based on the missing values coded in the HRS variables.

Until Wave 9, RwJCPENF indicates if RwPENCT is set based on the number of plans with pension type information or using the follow-up question about whether there is just one plan or more than one. The relevant RwJCPENF codes are 3, 10, and 11.

From Wave 9, RwJCPENF is not included on the RAND HRS because, unlike previous waves, there is only one way the Respondent is asked if they have a pension on the current job.

In Wave 11, the pension questionnaire changed. In Wave 11, the Respondent is no longer asked the number of pension plans from the current job. Therefore, RwPENCT is constructed by using employment and pension questions that together identify the pension as being on the current job. We then sum these pensions to get the total number of pension on the current job.

SwPENCT information is taken from the spouse's self-reported RwPENCT variable, if available. If the Respondent is not married, SwPENCT is set to .U=unmarried. If the Respodent's spouse did not respond, then SwPENCT is set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Wave 1, the questions ask about the current job's pension. The number of pensions is asked only if the Respondent reported being included in a pension plan. The question asks: "In how many different pension plans of this sort are you included on this job?"

In Wave 2H, 3H and from Wave 4 to Wave 10, those who are with the same employer and who reported having a pension at the previous wave are asked if the rules have changed. Except in Wave 7, if the Respondent reports no rules change, a question asks about the number of pensions: "In how many different pension plans are you included on this job?". From Wave 2 to Wave 9, including Wave 7, if there is no rules change or if there is no prior wave pension with the current employer but the Respondent reports one in the current wave, the question wording for the number of pensions is the same as that asked in Wave 1. RwJCPENF indicates the source of the pension information (rules change, no rules change, or, if no additional information, for a new pension). From Wave 9, RwJCPENF is not included on the RAND HRS because, unlike previous waves, there is only one way the Respondent is asked if they have a pension on the current job.

In Wave 2H, the questions are asked separately for those employed by a firm and the self-employed, but the question

wording is the same for both.

In Wave 3A, only the questions about the current job's pension plan are asked, and they are asked in two places. The wording in both places is the same as in Wave 1.

The questions are not asked in Wave 2A.

From Wave 6 to Wave 10, those who do not know the number of pensions are asked a follow-up question: "Is this just one plan or more than one?" The answers may be one plan or more than one plan.

In Wave 7, values 8 and 9 are missing value codes and so it is not possible for anyone to have more than 7 pension plans. In other waves, the missing value codes are 98 and 99.

In Wave 11, the pension questionnaire changed. It aims to establish a complete inventory of all pensions that the Respondent may have pertaining to current or any prior jobs. The Respondent is first asked about all pensions that he or she reported in a previous wave, as well as any new pensions the Respondent may have. This inventory of pensions is recorded in the data at the pension level so that in the 2012 data, one Respondent can have multiple observations depending on the number of past and current pensions s/he holds. We have aggregated these pension records to create Respondent-level variables that are derived for longitudinal comparison to the current pension variables.

Because the Respondent is no longer asked how many pensions he or she has, RwPENCT is constructed by using employment and pension questions that together identify the pension as being on the current job. We then sum these pensions to get the total number of pension on the current job.

HRS Variables Used

```
HRS 1992:
    V2838           F36:PENSION PLANS
    V2901           F37:PENS/RET PLNS ON JOB
    V2908           F38:# PLNS INCLD ON JB
HRS 1994:
    W3710           FA63.PENSION RULES CHANG
    W3711           FA64.NUMBER PENSION PLAN
    W3748           FA71.PLAN OFFERED BY EMP
    W3755           FA72.NUMBER PENSION PLAN
    W4375           FB26.PENSION/RETIREMENT
    W4376           FB27.PENSION RULES CHANG
    W4377           FB28.NUMBER PENSION PLAN
    W4414           FB36.NUMBER PENSION PLAN
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2955           GA71. WHETHER PENSION PLAN
    D2964           GA72. NUMBER PENSION PLANS
    D3287           GB26.INCLUDED IN PENSION PLAN
    D3325           GB36. NUMBER PENSION PLANS
HRS 1996:
    E2835           G67.PENSION RULES CHANGED
    E2837           G68.NUMBER PENSION PLANS
    E2861           G75.PLAN OFFERED BY EMPLOYER
    E2870           G76.NUMBER PENSION PLANS INCLUDED
HRS 1998:
    F3359           G67.PENSION RULES CHANGED
    F3361           G68.NUMBER PENSION PLANS
    F3389           G75.PLAN OFFERED BY EMPLOYER
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    F3398           G76.NUMBER PENSION PLANS INCLUDED
HRS 2000:
    G3619           G67.PENSION RULES CHANGED
    G3621           G68.NUMBER PENSION PLANS
    G3654           G75.PLAN OFFERED BY EMPLOYER
    G3678           G76.NUMBER PENSION PLANS INCLUDED
HRS 2002:
    HJ265           J265 BRANCHPOINT
    HJ268           PENSION RULES CHANGED
    HJ269           CURRENT JOB- # PENSION PLANS
    HJ270           CURRENT JOB- ONE PLAN OR MORE
    HJ324           PLAN OFFERED BY EMPLOYER
    HJ335           # PENSION PLANS INCLUDED
    HJ336           INCLUDED ONE PLAN OR MORE
HRS 2004:
    JJ265           J265 BRANCHPOINT
    JJ268           PENSION RULES CHANGED
    JJ324           PLAN OFFERED BY EMPLOYER
    JJ335           # PENSION PLANS INCLUDED
    JJ336           INCLUDED ONE PLAN OR MORE
HRS 2006:
    KJ265           J265 BRANCHPOINT
    KJ268           PENSION RULES CHANGED
    KJ269           CURRENT JOB- # PENSION PLANS
    KJ270           CURRENT JOB- ONE PLAN OR MORE
    KJ324           PLAN OFFERED BY EMPLOYER
    KJ335           # PENSION PLANS INCLUDED
    KJ336           INCLUDED ONE PLAN OR MORE
HRS 2008:
    LJ335           # PENSION PLANS INCLUDED
    LJ336           INCLUDED ONE PLAN OR MORE
HRS 2010:
    MJ335           # PENSION PLANS INCLUDED
    MJ336           INCLUDED ONE PLAN OR MORE
HRS 2012:
    NJ2352_1        YEARS IN PLAN -1_1
    NJ2352_10       YEARS IN PLAN -1_10
    NJ2352_2        YEARS IN PLAN -1_2
    NJ2352_3        YEARS IN PLAN -1_3
    NJ2352_4        YEARS IN PLAN -1_4
    NJ2352_5        YEARS IN PLAN -1_5
    NJ2352_6        YEARS IN PLAN -1_6
    NJ2352_7        YEARS IN PLAN -1_7
    NJ2352_8        YEARS IN PLAN -1_8
    NJ2352_9        YEARS IN PLAN -1_9
    NJ2W401_1       ANY OTHER PENSIONS_1
    NJ2W401_10      ANY OTHER PENSIONS_10
    NJ2W401_2       ANY OTHER PENSIONS_2
    NJ2W401_3       ANY OTHER PENSIONS_3
    NJ2W401_4       ANY OTHER PENSIONS_4
    NJ2W401_5       ANY OTHER PENSIONS_5
    NJ2W401_6       ANY OTHER PENSIONS_6
    NJ2W401_7       ANY OTHER PENSIONS_7
    NJ2W401_8       ANY OTHER PENSIONS_8
    NJ2W401_9       ANY OTHER PENSIONS_9
    NJ2W403_1       STILL HAVE PLAN NOW_1
    NJ2W403_10      STILL HAVE PLAN NOW_10
    NJ2W403_2       STILL HAVE PLAN NOW_2
    NJ2W403_3       STILL HAVE PLAN NOW_3
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    NJ2W403_4       STILL HAVE PLAN NOW_4
    NJ2W403_5       STILL HAVE PLAN NOW_5
    NJ2W403_6       STILL HAVE PLAN NOW_6
    NJ2W403_7       STILL HAVE PLAN NOW_7
    NJ2W403_8       STILL HAVE PLAN NOW_8
    NJ2W403_9       STILL HAVE PLAN NOW_9
    NJ2W410_1       BEGIN -1_1
    NJ2W410_10      BEGIN -1_10
    NJ2W410_2       BEGIN -1_2
    NJ2W410_3       BEGIN -1_3
    NJ2W410_4       BEGIN -1_4
    NJ2W410_5       BEGIN -1_5
    NJ2W410_6       BEGIN -1_6
    NJ2W410_7       BEGIN -1_7
    NJ2W410_8       BEGIN -1_8
    NJ2W410_9       BEGIN -1_9
    NJ2W411_1       END -1_1
    NJ2W411_10      END -1_10
    NJ2W411_2       END -1_2
    NJ2W411_3       END -1_3
    NJ2W411_4       END -1_4
    NJ2W411_5       END -1_5
    NJ2W411_6       END -1_6
    NJ2W411_7       END -1_7
    NJ2W411_8       END -1_8
    NJ2W411_9       END -1_9
    NJ2W451_1       PLAN ACTIVE OR DEAD -1_1
    NJ2W451_10      PLAN ACTIVE OR DEAD -1_10
    NJ2W451_2       PLAN ACTIVE OR DEAD -1_2
    NJ2W451_3       PLAN ACTIVE OR DEAD -1_3
    NJ2W451_4       PLAN ACTIVE OR DEAD -1_4
    NJ2W451_5       PLAN ACTIVE OR DEAD -1_5
    NJ2W451_6       PLAN ACTIVE OR DEAD -1_6
    NJ2W451_7       PLAN ACTIVE OR DEAD -1_7
    NJ2W451_8       PLAN ACTIVE OR DEAD -1_8
    NJ2W451_9       PLAN ACTIVE OR DEAD -1_9
    NJ2W452_1       WHETHER PLAN FROM NEW OR SAME JOB -1_1
    NJ2W452_10      WHETHER PLAN FROM NEW OR SAME JOB -1_10
    NJ2W452_2       WHETHER PLAN FROM NEW OR SAME JOB -1_2
    NJ2W452_3       WHETHER PLAN FROM NEW OR SAME JOB -1_3
    NJ2W452_4       WHETHER PLAN FROM NEW OR SAME JOB -1_4
    NJ2W452_5       WHETHER PLAN FROM NEW OR SAME JOB -1_5
    NJ2W452_6       WHETHER PLAN FROM NEW OR SAME JOB -1_6
    NJ2W452_7       WHETHER PLAN FROM NEW OR SAME JOB -1_7
    NJ2W452_8       WHETHER PLAN FROM NEW OR SAME JOB -1_8
    NJ2W452_9       WHETHER PLAN FROM NEW OR SAME JOB -1_9
    NJ849           PARTICIPATING IN PLAN
    NJ851           FIRM HAS PEN ACCOUNT-NOT CONTRIBUTING
HRS 2014:
    OJ2352_1        YEARS IN PLAN_1
    OJ2352_10       YEARS IN PLAN_10
    OJ2352_2        YEARS IN PLAN_2
    OJ2352_3        YEARS IN PLAN_3
    OJ2352_4        YEARS IN PLAN_4
    OJ2352_5        YEARS IN PLAN_5
    OJ2352_6        YEARS IN PLAN_6
    OJ2352_7        YEARS IN PLAN_7
    OJ2352_8        YEARS IN PLAN_8
    OJ2352_9        YEARS IN PLAN_9
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OJ2W401_1	ANY OTHER PENSIONS_1
OJ2W401_10	ANY OTHER PENSIONS_10
OJ2W401_2	ANY OTHER PENSIONS_2
OJ2W401_3	ANY OTHER PENSIONS_3
OJ2W401_4	ANY OTHER PENSIONS_4
OJ2W401_5	ANY OTHER PENSIONS_5
OJ2W401_6	ANY OTHER PENSIONS_6
OJ2W401_7	ANY OTHER PENSIONS_7
OJ2W401_8	ANY OTHER PENSIONS_8
OJ2W401_9	ANY OTHER PENSIONS_9
OJ2W403_1	STILL HAVE PLAN NOW_1
OJ2W403_10	STILL HAVE PLAN NOW_10
OJ2W403_2	STILL HAVE PLAN NOW_2
OJ2W403_3	STILL HAVE PLAN NOW_3
OJ2W403_4	STILL HAVE PLAN NOW_4
OJ2W403_5	STILL HAVE PLAN NOW_5
OJ2W403_6	STILL HAVE PLAN NOW_6
OJ2W403_7	STILL HAVE PLAN NOW_7
OJ2W403_8	STILL HAVE PLAN NOW_8
OJ2W403_9	STILL HAVE PLAN NOW_9
OJ2W410_1	BEGIN_1
OJ2W410_10	BEGIN_10
OJ2W410_2	BEGIN_2
OJ2W410_3	BEGIN_3
OJ2W410_4	BEGIN_4
OJ2W410_5	BEGIN_5
OJ2W410_6	BEGIN_6
OJ2W410_7	BEGIN_7
OJ2W410_8	BEGIN_8
OJ2W410_9	BEGIN_9
OJ2W411_1	END_1
OJ2W411_10	END_10
OJ2W411_2	END_2
OJ2W411_3	END_3
OJ2W411_4	END_4
OJ2W411_5	END_5
OJ2W411_6	END_6
OJ2W411_7	END_7
OJ2W411_8	END_8
OJ2W411_9	END_9
OJ2W451_1	PLAN ACTIVE OR DEAD_1
OJ2W451_10	PLAN ACTIVE OR DEAD_10
OJ2W451_2	PLAN ACTIVE OR DEAD_2
OJ2W451_3	PLAN ACTIVE OR DEAD_3
OJ2W451_4	PLAN ACTIVE OR DEAD_4
OJ2W451_5	PLAN ACTIVE OR DEAD_5
OJ2W451_6	PLAN ACTIVE OR DEAD_6
OJ2W451_7	PLAN ACTIVE OR DEAD_7
OJ2W451_8	PLAN ACTIVE OR DEAD_8
OJ2W451_9	PLAN ACTIVE OR DEAD_9
OJ2W452_1	WHETHER PLAN FROM NEW OR SAME JOB_1
OJ2W452_10	WHETHER PLAN FROM NEW OR SAME JOB_10
OJ2W452_2	WHETHER PLAN FROM NEW OR SAME JOB_2
OJ2W452_3	WHETHER PLAN FROM NEW OR SAME JOB_3
OJ2W452_4	WHETHER PLAN FROM NEW OR SAME JOB_4
OJ2W452_5	WHETHER PLAN FROM NEW OR SAME JOB_5
OJ2W452_6	WHETHER PLAN FROM NEW OR SAME JOB_6
OJ2W452_7	WHETHER PLAN FROM NEW OR SAME JOB_7
OJ2W452_8	WHETHER PLAN FROM NEW OR SAME JOB_8

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OJ2W452_9       WHETHER PLAN FROM NEW OR SAME JOB_9
OJ849           PARTICIPATING IN PLAN
OJ851           FIRM HAS PEN ACCOUNT-NOT CONTRIBUTING
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Type of pension from current job

1	R1PTYP1	R1PTYP1:W1 Current pension type #1	Categ
2	R2PTYP1	R2PTYP1:W2 Current pension type #1	Categ
3	R3PTYP1	R3PTYP1:W3 Current pension type #1	Categ
4	R4PTYP1	R4PTYP1:W4 Current pension type #1	Categ
5	R5PTYP1	R5PTYP1:W5 Current pension type #1	Categ
6	R6PTYP1	R6PTYP1:W6 Current pension type #1	Categ
7	R7PTYP1	R7PTYP1:W7 Current pension type #1	Categ
8	R8PTYP1	R8PTYP1:W8 Current pension type #1	Categ
9	R9PTYP1	R9PTYP1:W9 Current pension type #1	Categ
10	R10PTYP1	R10PTYP1:W10 Current pension type #1	Categ
11	R11PTYP1	R11PTYP1:W11 Current pension type #1	Categ
12	R12PTYP1	R12PTYP1:W12 Current pension type #1	Categ
1	S1PTYP1	S1PTYP1:W1 Current pension type #1	Categ
2	S2PTYP1	S2PTYP1:W2 Current pension type #1	Categ
3	S3PTYP1	S3PTYP1:W3 Current pension type #1	Categ
4	S4PTYP1	S4PTYP1:W4 Current pension type #1	Categ
5	S5PTYP1	S5PTYP1:W5 Current pension type #1	Categ
6	S6PTYP1	S6PTYP1:W6 Current pension type #1	Categ
7	S7PTYP1	S7PTYP1:W7 Current pension type #1	Categ
8	S8PTYP1	S8PTYP1:W8 Current pension type #1	Categ
9	S9PTYP1	S9PTYP1:W9 Current pension type #1	Categ
10	S10PTYP1	S10PTYP1:W10 Current pension type #1	Categ
11	S11PTYP1	S11PTYP1:W11 Current pension type #1	Categ
12	S12PTYP1	S12PTYP1:W12 Current pension type #1	Categ
1	R1PTYP2	R1PTYP2:W1 Current pension type #2	Categ
2	R2PTYP2	R2PTYP2:W2 Current pension type #2	Categ
3	R3PTYP2	R3PTYP2:W3 Current pension type #2	Categ
4	R4PTYP2	R4PTYP2:W4 Current pension type #2	Categ
5	R5PTYP2	R5PTYP2:W5 Current pension type #2	Categ
6	R6PTYP2	R6PTYP2:W6 Current pension type #2	Categ
7	R7PTYP2	R7PTYP2:W7 Current pension type #2	Categ
8	R8PTYP2	R8PTYP2:W8 Current pension type #2	Categ
9	R9PTYP2	R9PTYP2:W9 Current pension type #2	Categ
10	R10PTYP2	R10PTYP2:W10 Current pension type #2	Categ
11	R11PTYP2	R11PTYP2:W11 Current pension type #2	Categ
12	R12PTYP2	R12PTYP2:W12 Current pension type #2	Categ
1	S1PTYP2	S1PTYP2:W1 Current pension type #2	Categ
2	S2PTYP2	S2PTYP2:W2 Current pension type #2	Categ
3	S3PTYP2	S3PTYP2:W3 Current pension type #2	Categ
4	S4PTYP2	S4PTYP2:W4 Current pension type #2	Categ
5	S5PTYP2	S5PTYP2:W5 Current pension type #2	Categ
6	S6PTYP2	S6PTYP2:W6 Current pension type #2	Categ
7	S7PTYP2	S7PTYP2:W7 Current pension type #2	Categ
8	S8PTYP2	S8PTYP2:W8 Current pension type #2	Categ
9	S9PTYP2	S9PTYP2:W9 Current pension type #2	Categ
10	S10PTYP2	S10PTYP2:W10 Current pension type #2	Categ
11	S11PTYP2	S11PTYP2:W11 Current pension type #2	Categ
12	S12PTYP2	S12PTYP2:W12 Current pension type #2	Categ
1	R1PTYP3	R1PTYP3:W1 Current pension type #3	Categ
2	R2PTYP3	R2PTYP3:W2 Current pension type #3	Categ
3	R3PTYP3	R3PTYP3:W3 Current pension type #3	Categ
4	R4PTYP3	R4PTYP3:W4 Current pension type #3	Categ
5	R5PTYP3	R5PTYP3:W5 Current pension type #3	Categ
6	R6PTYP3	R6PTYP3:W6 Current pension type #3	Categ
7	R7PTYP3	R7PTYP3:W7 Current pension type #3	Categ
8	R8PTYP3	R8PTYP3:W8 Current pension type #3	Categ
9	R9PTYP3	R9PTYP3:W9 Current pension type #3	Categ
10	R10PTYP3	R10PTYP3:W10 Current pension type #3	Categ
11	R11PTYP3	R11PTYP3:W11 Current pension type #3	Categ
12	R12PTYP3	R12PTYP3:W12 Current pension type #3	Categ
1	S1PTYP3	S1PTYP3:W1 Current pension type #3	Categ
2	S2PTYP3	S2PTYP3:W2 Current pension type #3	Categ
3	S3PTYP3	S3PTYP3:W3 Current pension type #3	Categ

4	S4PTYP3	S4PTYP3:W4 Current pension type #3	Categ
5	S5PTYP3	S5PTYP3:W5 Current pension type #3	Categ
6	S6PTYP3	S6PTYP3:W6 Current pension type #3	Categ
7	S7PTYP3	S7PTYP3:W7 Current pension type #3	Categ
8	S8PTYP3	S8PTYP3:W8 Current pension type #3	Categ
9	S9PTYP3	S9PTYP3:W9 Current pension type #3	Categ
10	S10PTYP3	S10PTYP3:W10 Current pension type #3	Categ
11	S11PTYP3	S11PTYP3:W11 Current pension type #3	Categ
12	S12PTYP3	S12PTYP3:W12 Current pension type #3	Categ
5	R5PTYP4	R5PTYP4:W5 Current pension type #4	Categ
6	R6PTYP4	R6PTYP4:W6 Current pension type #4	Categ
7	R7PTYP4	R7PTYP4:W7 Current pension type #4	Categ
8	R8PTYP4	R8PTYP4:W8 Current pension type #4	Categ
9	R9PTYP4	R9PTYP4:W9 Current pension type #4	Categ
10	R10PTYP4	R10PTYP4:W10 Current pension type #4	Categ
11	R11PTYP4	R11PTYP4:W11 Current pension type #4	Categ
12	R12PTYP4	R12PTYP4:W12 Current pension type #4	Categ
5	S5PTYP4	S5PTYP4:W5 Current pension type #4	Categ
6	S6PTYP4	S6PTYP4:W6 Current pension type #4	Categ
7	S7PTYP4	S7PTYP4:W7 Current pension type #4	Categ
8	S8PTYP4	S8PTYP4:W8 Current pension type #4	Categ
9	S9PTYP4	S9PTYP4:W9 Current pension type #4	Categ
10	S10PTYP4	S10PTYP4:W10 Current pension type #4	Categ
11	S11PTYP4	S11PTYP4:W11 Current pension type #4	Categ
12	S12PTYP4	S12PTYP4:W12 Current pension type #4	Categ

Descriptive Statistics

R1PTYP1	4354	1.41	0.55	1.0	3.0
R2PTYP1	3671	1.48	0.61	1.0	3.0
R3PTYP1	3167	1.58	0.64	1.0	3.0
R4PTYP1	3875	1.63	0.64	1.0	3.0
R5PTYP1	3238	1.59	0.59	1.0	3.0
R6PTYP1	2559	1.64	0.61	1.0	3.0
R7PTYP1	3537	1.66	0.59	1.0	3.0
R8PTYP1	2810	1.65	0.58	1.0	3.0
R9PTYP1	2413	1.69	0.53	1.0	3.0
R10PTYP1	3902	1.63	0.53	1.0	3.0
R11PTYP1	3416	1.79	0.59	1.0	3.0
R12PTYP1	2974	1.74	0.53	1.0	3.0
S1PTYP1	3431	1.41	0.55	1.0	3.0
S2PTYP1	2862	1.48	0.62	1.0	3.0
S3PTYP1	2422	1.59	0.64	1.0	3.0
S4PTYP1	2961	1.64	0.64	1.0	3.0
S5PTYP1	2465	1.59	0.59	1.0	3.0
S6PTYP1	1930	1.65	0.61	1.0	3.0
S7PTYP1	2654	1.67	0.59	1.0	3.0
S8PTYP1	2107	1.66	0.58	1.0	3.0
S9PTYP1	1803	1.69	0.53	1.0	3.0
S10PTYP1	2762	1.63	0.53	1.0	3.0
S11PTYP1	2453	1.80	0.58	1.0	3.0
S12PTYP1	2119	1.75	0.52	1.0	3.0
R1PTYP2	1229	1.85	0.39	1.0	3.0
R2PTYP2	677	1.75	0.54	1.0	3.0
R3PTYP2	596	1.80	0.52	1.0	3.0
R4PTYP2	931	1.77	0.55	1.0	3.0
R5PTYP2	652	1.70	0.49	1.0	3.0

R6PTYP2	502	1.76	0.55	1.0	3.0
R7PTYP2	1025	1.77	0.50	1.0	3.0
R8PTYP2	532	1.77	0.46	1.0	3.0
R9PTYP2	708	1.73	0.47	1.0	3.0
R10PTYP2	1203	1.70	0.49	1.0	3.0
R11PTYP2	950	1.73	0.62	1.0	3.0
R12PTYP2	785	1.69	0.55	1.0	3.0
S1PTYP2	986	1.85	0.39	1.0	3.0
S2PTYP2	540	1.74	0.55	1.0	3.0
S3PTYP2	476	1.81	0.52	1.0	3.0
S4PTYP2	736	1.77	0.54	1.0	3.0
S5PTYP2	512	1.69	0.49	1.0	3.0
S6PTYP2	389	1.74	0.54	1.0	3.0
S7PTYP2	783	1.77	0.51	1.0	3.0
S8PTYP2	405	1.76	0.48	1.0	3.0
S9PTYP2	535	1.74	0.47	1.0	3.0
S10PTYP2	857	1.70	0.49	1.0	3.0
S11PTYP2	690	1.73	0.62	1.0	3.0
S12PTYP2	569	1.69	0.55	1.0	3.0
R1PTYP3	176	1.93	0.30	1.0	3.0
R2PTYP3	80	1.86	0.63	1.0	3.0
R3PTYP3	74	1.85	0.49	1.0	3.0
R4PTYP3	116	1.70	0.55	1.0	3.0
R5PTYP3	58	1.71	0.50	1.0	3.0
R6PTYP3	47	1.79	0.59	1.0	3.0
R7PTYP3	139	1.74	0.49	1.0	3.0
R8PTYP3	48	1.77	0.47	1.0	3.0
R9PTYP3	82	1.77	0.50	1.0	3.0
R10PTYP3	147	1.76	0.43	1.0	2.0
R11PTYP3	144	1.69	0.60	1.0	3.0
R12PTYP3	106	1.82	0.51	1.0	3.0
S1PTYP3	143	1.92	0.32	1.0	3.0
S2PTYP3	69	1.87	0.62	1.0	3.0
S3PTYP3	61	1.87	0.46	1.0	3.0
S4PTYP3	92	1.70	0.55	1.0	3.0
S5PTYP3	46	1.63	0.53	1.0	3.0
S6PTYP3	36	1.81	0.58	1.0	3.0
S7PTYP3	107	1.72	0.49	1.0	3.0
S8PTYP3	41	1.78	0.47	1.0	3.0
S9PTYP3	66	1.77	0.52	1.0	3.0
S10PTYP3	105	1.77	0.42	1.0	2.0
S11PTYP3	108	1.69	0.59	1.0	3.0
S12PTYP3	80	1.80	0.54	1.0	3.0
R5PTYP4	10	1.70	0.48	1.0	2.0
R6PTYP4	5	1.60	0.55	1.0	2.0
R7PTYP4	23	1.87	0.46	1.0	3.0
R8PTYP4	4	1.25	0.50	1.0	2.0
R9PTYP4	6	2.00	0.63	1.0	3.0
R10PTYP4	10	1.70	0.48	1.0	2.0
R11PTYP4	15	1.67	0.72	1.0	3.0
R12PTYP4	12	1.67	0.49	1.0	2.0
S5PTYP4	8	1.75	0.46	1.0	2.0
S6PTYP4	5	1.60	0.55	1.0	2.0
S7PTYP4	21	1.86	0.48	1.0	3.0

S8PTYP4	4	1.25	0.50	1.0	2.0
S9PTYP4	5	1.80	0.45	1.0	2.0
S10PTYP4	6	1.83	0.41	1.0	2.0
S11PTYP4	11	1.64	0.67	1.0	3.0
S12PTYP4	8	1.75	0.46	1.0	2.0

Categorical Variable Codes

Value	R1PTYP1	R2PTYP1	R3PTYP1	R4PTYP1	R5PTYP1	R6PTYP1	R7PTYP1
.D=DK	93	60	48	83	121	76	84
.M=Oth missing			7				
.Q=Not asked this wv		8222					
.R=RF	9	15	8	2	2	2	2
.S=No pen info	8196	7674	14761	17424	16218	15528	16506
1.DB	2703	2145	1596	1776	1495	1107	1420
2.DC	1511	1298	1318	1763	1570	1265	1905
3.DB+DC	140	228	253	336	173	187	212

Value	R8PTYP1	R9PTYP1	R10PTYP1	R11PTYP1	R12PTYP1
.D=DK	69	160	165	488	257
.M=Oth missing			8		23
.R=RF	3	10	9	28	49
.S=No pen info	15587	14634	17950	16622	15445
1.DB	1153	833	1534	1019	903
2.DC	1499	1497	2266	2090	1933
3.DB+DC	158	83	102	307	138

Value	S1PTYP1	S2PTYP1	S3PTYP1	S4PTYP1	S5PTYP1	S6PTYP1	S7PTYP1
.D=DK	75	46	40	53	92	54	63
.M=Oth missing			5				
.Q=Not asked this wv		4549					
.R=RF	6	13	7	1	2	1	2
.S=No pen info	6388	5818	9441	10963	10171	9654	10253
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
1.DB	2132	1675	1198	1327	1140	825	1043
2.DC	1191	1003	1022	1367	1196	964	1446
3.DB+DC	108	184	202	267	129	141	165

Value	S8PTYP1	S9PTYP1	S10PTYP1	S11PTYP1	S12PTYP1
.D=DK	49	106	109	326	165
.M=Oth missing			4		18
.R=RF	3	7	7	18	32
.S=No pen info	9576	8730	10631	9691	8697
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.DB	842	613	1088	716	626
2.DC	1143	1129	1608	1522	1403
3.DB+DC	122	61	66	215	90

Value	R1PTYP2	R2PTYP2	R3PTYP2	R4PTYP2	R5PTYP2	R6PTYP2	R7PTYP2
.D=DK	15	13	17	18	26	22	28
.M=Oth missing			1	1		2	
.Q=Not asked this wv		8222					
.R=RF	4	6	6	12	3	6	1
.S=No pen info	11404	10724	17371	20422	18898	17633	19075
1.DB	199	204	151	274	203	150	271
2.DC	1017	440	412	599	440	323	714
3.DB+DC	13	33	33	58	9	29	40

Value	R8PTYP2	R9PTYP2	R10PTYP2	R11PTYP2	R12PTYP2
.D=DK	20	80	70	105	41
.M=Oth missing	1	1	42		3
.R=RF	4	3	14	9	8
.S=No pen info	17912	16425	20705	19490	17911
1.DB	131	197	383	344	283
2.DC	391	502	803	520	466
3.DB+DC	10	9	17	86	36

Value	S1PTYP2	S2PTYP2	S3PTYP2	S4PTYP2	S5PTYP2	S6PTYP2	S7PTYP2
.D=DK	10	11	10	14	18	16	22
.M=Oth missing			1	1		2	
.Q=Not asked this wv		4549					
.R=RF	4	5	6	8	2	4	1
.S=No pen info	8900	8183	11422	13219	12198	11228	12166
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
1.DB	161	167	118	214	166	121	212
2.DC	815	344	331	479	339	249	540
3.DB+DC	10	29	27	43	7	19	31

Value	S8PTYP2	S9PTYP2	S10PTYP2	S11PTYP2	S12PTYP2
.D=DK	15	59	44	70	28
.M=Oth missing	1	1	29		3
.R=RF	3	1	8	7	4
.S=No pen info	11311	10050	12575	11721	10427
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.DB	107	145	268	250	199
2.DC	289	382	578	377	345
3.DB+DC	9	8	11	63	25

Value	R1PTYP3	R2PTYP3	R3PTYP3	R4PTYP3	R5PTYP3	R6PTYP3	R7PTYP3
.D=DK	9	8	7	12	8	4	14
.M=Oth missing			2	1		2	
.Q=Not asked this wv		8222					
.R=RF	4	2	6	4	1	2	3
.S=No pen info	12463	11330	17902	21251	19512	18110	19973
1.DB	15	22	15	40	18	14	39
2.DC	159	47	55	71	39	29	97
3.DB+DC	2	11	4	5	1	4	3

Value	R8PTYP3	R9PTYP3	R10PTYP3	R11PTYP3	R12PTYP3
.D=DK	3	12	17	17	8
.M=Oth missing	1		28		
.R=RF	2	6	7	3	3
.S=No pen info	18415	17117	21835	20390	18631
1.DB	12	22	35	55	25
2.DC	35	57	112	79	75
3.DB+DC	1	3		10	6

Value	S1PTYP3	S2PTYP3	S3PTYP3	S4PTYP3	S5PTYP3	S6PTYP3	S7PTYP3
.D=DK	9	6	7	11	7	3	11
.M=Oth missing			2			1	
.Q=Not asked this wv		4549					
.R=RF	4	2	6	4		2	1
.S=No pen info	9744	8662	11839	13871	12677	11597	12853
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
1.DB	13	18	11	32	18	10	32
2.DC	128	42	47	56	27	23	73
3.DB+DC	2	9	3	4	1	3	2

Value	S8PTYP3	S9PTYP3	S10PTYP3	S11PTYP3	S12PTYP3
.D=DK	1	8	13	13	6
.M=Oth missing	1		18		
.R=RF	2	5	6	2	3
.S=No pen info	11690	10567	13371	12365	10942
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.DB	10	18	24	40	21
2.DC	30	45	81	61	54
3.DB+DC	1	3		7	5

Value	R5PTYP4	R6PTYP4	R7PTYP4
.D=DK		1	3
.M=Oth missing	1	1	
.S=No pen info	19568	18158	20103
1.DB	3	2	4
2.DC	7	3	18
3.DB+DC			1

Value	R8PTYP4	R9PTYP4	R10PTYP4	R11PTYP4	R12PTYP4
.D=DK	1	3	6	1	
.M=Oth missing			10		
.R=RF			1		
.S=No pen info	18464	17208	22007	20538	18736
1.DB	3	1	3	7	4
2.DC	1	4	7	6	8
3.DB+DC		1		2	

Value	S5PTYP4	S6PTYP4	S7PTYP4
.D=DK			2
.M=Oth missing	1	1	
.S=No pen info	12721	11633	12949
.U=Unmarried	6538	6306	6777
.V=Spouse NR	311	220	380
1.DB	2	2	4
2.DC	6	3	16
3.DB+DC			1

Value	S8PTYP4	S9PTYP4	S10PTYP4	S11PTYP4	S12PTYP4
.D=DK	1	3	3		
.M=Oth missing			8		
.R=RF			1		
.S=No pen info	11730	10638	13495	12477	11023
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.DB	3	1	1	5	2
2.DC	1	4	5	5	6
3.DB+DC				1	

How Constructed

RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 indicate the types of pension plans in which the Respondent is included for the current job. Before Wave 5, the type of up to three pensions may be reported. From Wave 5 through Wave 10, the type of up to four pensions may be reported. SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 provide the information for the Respondent's spouse or partner. From Wave 11, there is no limit to the number of pension types the Respondent can report, but we are limiting the RAND HRS to the first 4, as they appear in the data to align with previous waves.

If the Respondent is included in a pension in her/his current job then s/he is asked for the type of plan. The Respondent may identify the plan type as Type A, Type B, or both. A Type A plan refers to a defined benefit (DB) plan, and a Type B plan refers to a defined contribution (DC) plan. RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 are set to the types of pensions that the Respondent reports. The plan type is simply recoded for missing values. It is set to .S if the question is skipped because the Respondent does not have the pension, e.g., if the Respondent has one pension, RwPTYP2 to RwPTYP3 (or RwPTYP4 from Wave 5 on) are set to .S. They are also set to .S if the Respondent does not have a pension on the current job, did not provide a number of pensions (for waves prior to Wave 11), or is not working.

SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 information is taken from the spouse's self-reported RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 variables, if available. If the Respondent is not married, SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 are set to .U=unmarried. If the Respondent's spouse did not respond then SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Wave 1, the questions ask about the current job's pension. If the Respondent reports having a pension(s) from the current job, the number of pensions is ascertained, and the type of pension is requested for up to three pensions. The question asks: "I would like to know what type of plan this is. In some retirement plans, Type A, benefits are usually based on a formula involving age, years of service and salary. In other plans, Type B, money is accumulated in an account for you. Is your plan Type A or Type B?" The response may be Type A, Type B, or both. Type A refers to a defined benefits (DB) plan, and Type B refers to a defined contributions (DC) plan.

If the Respondent has more than one plan, the question is preceded by the phrase: "About the (next) most important of these plans...".

In Wave 2H, 3H and from Wave 4 forward, those who are with the same employer and who reported having a pension at the previous wave are asked if the rules have changed. Except in Wave 7, if no rules change is reported, a limited number of follow-up questions are asked, including the number of plans and their types. In all waves, including Wave 7, if there is not a rules change or if there is not a prior wave pension with the current employer but the Respondent reports one in the current wave, a more complete set of questions is asked. These also include the number of plans and their types.

In both places, the wording is the same as that in Wave 1 with a slight variation in the preface if there is more than one plan. The question is preceded by the statement: "Now I have some questions about the (next) most important of these plans."

In Wave 2H, the questions are asked separately for those employed by a firm and the self-employed, but the question wording is the same for both.

In Wave 3A, the questions about the current job's pension plan(s) are asked in two places depending on whether the Respondent works for a firm or is self-employed. The wording in both places is the same as in Wave 1. Respondents who work at a firm are asked a set of questions reporting on up to three plan types. The self-employed are asked a set of questions reporting on only one plan type.

The questions are not asked in Wave 2A.

Beginning in Wave 6, a fourth plan type is asked if the Respondent reports having at least four plans.

Prior to Wave 11, the Respondent was asked to list their pensions in order of importance. In Wave 11, due to the questionnaire change, the Respondent answers questions about all their pensions, with no regard to importance.

HRS Variables Used

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HRS 1992:
    V2838           F36:PENSION PLANS
    V2901           F37:PENS/RET PLNS ON JOB
    V2908           F38:# PLNS INCLD ON JB
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    V2909           F39:P1-TYPE OF PLAN
    V3009           F39:P2-TYPE OF PLAN
    V3109           F39:P3-TYPE OF PLAN
HRS 1994:
    W3710           FA63.PENSION RULES CHANG
    W3711           FA64.NUMBER PENSION PLAN
    W3712           1. FA65.TYPE OF PENSION
    W3724           2. FA65.TYPE OF PENSION
    W3736           3. FA65.TYPE OF PENSION
    W3748           FA71.PLAN OFFERED BY EMP
    W3755           FA72.NUMBER PENSION PLAN
    W3756           1. FA73.TYPE OF PENSION
    W3808           2. FA73.TYPE OF PENSION
    W3860           3. FA73.TYPE OF PENSION
    W4375           FB26.PENSION/RETIREMENT
    W4376           FB27.PENSION RULES CHANG
    W4377           FB28.NUMBER PENSION PLAN
    W4378           1. FB29.TYPE OF RETIREME
    W4390           2. FB29.TYPE OF RETIREME
    W4402           3. FB29.TYPE OF RETIREME
    W4414           FB36.NUMBER PENSION PLAN
    W4415           1. FB37.TYPE OF PENSION
    W4467           2. FB37.TYPE OF PENSION
    W4519           3. FB37.TYPE OF PENSION
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2955           GA71. WHETHER PENSION PLAN
    D2964           GA72. NUMBER PENSION PLANS
    D2969_1         GA73. TYPE PENSION
    D2969_2         GA73. TYPE PENSION
    D2969_3         GA73. TYPE PENSION
    D3287           GB26.INCLUDED IN PENSION PLAN
    D3325           GB36. NUMBER PENSION PLANS
    D3330_1         GB37. TYPE PENSION
HRS 1996:
    E2835           G67.PENSION RULES CHANGED
    E2837           G68.NUMBER PENSION PLANS
    E2840_1         G69.TYPE OF PENSION
    E2840_2         G69.TYPE OF PENSION
    E2840_3         G69.TYPE OF PENSION
    E2861           G75.PLAN OFFERED BY EMPLOYER
    E2870           G76.NUMBER PENSION PLANS INCLUDED
    E2875_1         G77.TYPE OF PENSION
    E2875_2         G77.TYPE OF PENSION
    E2875_3         G77.TYPE OF PENSION
HRS 1998:
    F3359           G67.PENSION RULES CHANGED
    F3361           G68.NUMBER PENSION PLANS
    F3364_1         G69.TYPE OF PENSION
    F3364_2         G69.TYPE OF PENSION
    F3364_3         G69.TYPE OF PENSION
    F3389           G75.PLAN OFFERED BY EMPLOYER
    F3398           G76.NUMBER PENSION PLANS INCLUDED
    F3403_1         G77.TYPE OF PENSION
    F3403_2         G77.TYPE OF PENSION
    F3403_3         G77.TYPE OF PENSION
HRS 2000:
    G3619           G67.PENSION RULES CHANGED
    G3621           G68.NUMBER PENSION PLANS
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    G3624_1         G69.TYPE OF PENSION
    G3624_2         G69.TYPE OF PENSION
    G3624_3         G69.TYPE OF PENSION
    G3624_4         G69.TYPE OF PENSION
    G3654           G75.PLAN OFFERED BY EMPLOYER
    G3678           G76.NUMBER PENSION PLANS INCLUDED
    G3683_1         G77.TYPE OF PENSION
    G3683_2         G77.TYPE OF PENSION
    G3683_3         G77.TYPE OF PENSION
    G3683_4         G77.TYPE OF PENSION
HRS 2002:
    HJ265           J265 BRANCHPOINT
    HJ268           PENSION RULES CHANGED
    HJ272_1         TYPE OF PENSION- 1
    HJ272_2         TYPE OF PENSION- 2
    HJ272_3         TYPE OF PENSION- 3
    HJ272_4         TYPE OF PENSION- 4
    HJ324           PLAN OFFERED BY EMPLOYER
    HJ335           # PENSION PLANS INCLUDED
    HJ338_1         PENSION PLAN TYPE- 1
    HJ338_2         PENSION PLAN TYPE- 2
    HJ338_3         PENSION PLAN TYPE- 3
    HJ338_4         PENSION PLAN TYPE- 4
HRS 2004:
    JJ265           J265 BRANCHPOINT
    JJ268           PENSION RULES CHANGED
    JJ324           PLAN OFFERED BY EMPLOYER
    JJ335           # PENSION PLANS INCLUDED
    JJ338A          PENSION PLAN TYPE- 1
    JJ338B          PENSION PLAN TYPE- 2
    JJ338C          PENSION PLAN TYPE- 3
    JJ338D          PENSION PLAN TYPE- 4
HRS 2006:
    KJ265           J265 BRANCHPOINT
    KJ268           PENSION RULES CHANGED
    KJ272A          TYPE OF PENSION- 1 -1
    KJ272B          TYPE OF PENSION- 1 -2
    KJ272C          TYPE OF PENSION- 1 -3
    KJ272D          TYPE OF PENSION- 1 -4
    KJ324           PLAN OFFERED BY EMPLOYER
    KJ335           # PENSION PLANS INCLUDED
    KJ338A          PENSION PLAN TYPE- 1
    KJ338B          PENSION PLAN TYPE- 2
    KJ338C          PENSION PLAN TYPE- 3
    KJ338D          PENSION PLAN TYPE- 4
HRS 2008:
    LJ338_1         PENSION PLAN TYPE- 1
    LJ338_2         PENSION PLAN TYPE- 2
    LJ338_3         PENSION PLAN TYPE- 3
    LJ338_4         PENSION PLAN TYPE- 4
HRS 2010:
    MJ338_1         PENSION PLAN TYPE- 1
    MJ338_2         PENSION PLAN TYPE- 2
    MJ338_3         PENSION PLAN TYPE- 3
    MJ338_4         PENSION PLAN TYPE- 4
HRS 2012:
    NJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    NJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    NJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
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    NJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    NJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    NJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    NJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    NJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    NJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    NJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
HRS 2014:
    OJ2338_1        PENSION PLAN TYPE-DB OR DC_1
    OJ2338_10       PENSION PLAN TYPE-DB OR DC_10
    OJ2338_2        PENSION PLAN TYPE-DB OR DC_2
    OJ2338_3        PENSION PLAN TYPE-DB OR DC_3
    OJ2338_4        PENSION PLAN TYPE-DB OR DC_4
    OJ2338_5        PENSION PLAN TYPE-DB OR DC_5
    OJ2338_6        PENSION PLAN TYPE-DB OR DC_6
    OJ2338_7        PENSION PLAN TYPE-DB OR DC_7
    OJ2338_8        PENSION PLAN TYPE-DB OR DC_8
    OJ2338_9        PENSION PLAN TYPE-DB OR DC_9
    OJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
    OJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
    OJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
    OJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
    OJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
    OJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
    OJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
    OJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
    OJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
    OJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
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Detailed type of pension from current job

Wave	Variable	Label	Type
9	R9PTYPD1	R9PTYPD1:W9 Current pension type in detail #1	Categ
10	R10PTYPD1	R10PTYPD1:W10 Current pension type in detail #1	Categ
11	R11PTYPD1	R11PTYPD1:W11 Current pension type in detail #1	Categ
12	R12PTYPD1	R12PTYPD1:W12 Current pension type in detail #1	Categ
9	S9PTYPD1	S9PTYPD1:W9 Current pension type in detail #1	Categ
10	S10PTYPD1	S10PTYPD1:W10 Current pension type in detail #1	Categ
11	S11PTYPD1	S11PTYPD1:W11 Current pension type in detail #1	Categ
12	S12PTYPD1	S12PTYPD1:W12 Current pension type in detail #1	Categ
9	R9PTYPD2	R9PTYPD2:W9 Current pension type in detail #2	Categ
10	R10PTYPD2	R10PTYPD2:W10 Current pension type in detail #2	Categ
11	R11PTYPD2	R11PTYPD2:W11 Current pension type in detail #2	Categ
12	R12PTYPD2	R12PTYPD2:W12 Current pension type in detail #2	Categ
9	S9PTYPD2	S9PTYPD2:W9 Current pension type in detail #2	Categ
10	S10PTYPD2	S10PTYPD2:W10 Current pension type in detail #2	Categ
11	S11PTYPD2	S11PTYPD2:W11 Current pension type in detail #2	Categ
12	S12PTYPD2	S12PTYPD2:W12 Current pension type in detail #2	Categ
9	R9PTYPD3	R9PTYPD3:W9 Current pension type in detail #3	Categ
10	R10PTYPD3	R10PTYPD3:W10 Current pension type in detail #3	Categ
11	R11PTYPD3	R11PTYPD3:W11 Current pension type in detail #3	Categ
12	R12PTYPD3	R12PTYPD3:W12 Current pension type in detail #3	Categ
9	S9PTYPD3	S9PTYPD3:W9 Current pension type in detail #3	Categ
10	S10PTYPD3	S10PTYPD3:W10 Current pension type in detail #3	Categ
11	S11PTYPD3	S11PTYPD3:W11 Current pension type in detail #3	Categ
12	S12PTYPD3	S12PTYPD3:W12 Current pension type in detail #3	Categ
9	R9PTYPD4	R9PTYPD4:W9 Current pension type in detail #4	Categ
10	R10PTYPD4	R10PTYPD4:W10 Current pension type in detail #4	Categ
11	R11PTYPD4	R11PTYPD4:W11 Current pension type in detail #4	Categ
12	R12PTYPD4	R12PTYPD4:W12 Current pension type in detail #4	Categ
9	S9PTYPD4	S9PTYPD4:W9 Current pension type in detail #4	Categ
10	S10PTYPD4	S10PTYPD4:W10 Current pension type in detail #4	Categ
11	S11PTYPD4	S11PTYPD4:W11 Current pension type in detail #4	Categ
12	S12PTYPD4	S12PTYPD4:W12 Current pension type in detail #4	Categ
9	R9PTYPF1	R9PTYPF1:W9 Does pension type match detail? #1	Categ
10	R10PTYPF1	R10PTYPF1:W10 Does pension type match detail? #1	Categ
11	R11PTYPF1	R11PTYPF1:W11 Does pension type match detail? #1	Categ
12	R12PTYPF1	R12PTYPF1:W12 Does pension type match detail? #1	Categ
9	S9PTYPF1	S9PTYPF1:W9 Does pension type match detail? #1	Categ
10	S10PTYPF1	S10PTYPF1:W10 Does pension type match detail? #1	Categ
11	S11PTYPF1	S11PTYPF1:W11 Does pension type match detail? #1	Categ
12	S12PTYPF1	S12PTYPF1:W12 Does pension type match detail? #1	Categ
9	R9PTYPF2	R9PTYPF2:W9 Does pension type match detail? #2	Categ
10	R10PTYPF2	R10PTYPF2:W10 Does pension type match detail? #2	Categ
11	R11PTYPF2	R11PTYPF2:W11 Does pension type match detail? #2	Categ
12	R12PTYPF2	R12PTYPF2:W12 Does pension type match detail? #2	Categ
9	S9PTYPF2	S9PTYPF2:W9 Does pension type match detail? #2	Categ
10	S10PTYPF2	S10PTYPF2:W10 Does pension type match detail? #2	Categ
11	S11PTYPF2	S11PTYPF2:W11 Does pension type match detail? #2	Categ
12	S12PTYPF2	S12PTYPF2:W12 Does pension type match detail? #2	Categ
9	R9PTYPF3	R9PTYPF3:W9 Does pension type match detail? #3	Categ
10	R10PTYPF3	R10PTYPF3:W10 Does pension type match detail? #3	Categ
11	R11PTYPF3	R11PTYPF3:W11 Does pension type match detail? #3	Categ
12	R12PTYPF3	R12PTYPF3:W12 Does pension type match detail? #3	Categ
9	S9PTYPF3	S9PTYPF3:W9 Does pension type match detail? #3	Categ

10	S10PTYPF3	S10PTYPF3:W10 Does pension type match detail? #3	Categ
11	S11PTYPF3	S11PTYPF3:W11 Does pension type match detail? #3	Categ
12	S12PTYPF3	S12PTYPF3:W12 Does pension type match detail? #3	Categ
9	R9PTYPF4	R9PTYPF4:W9 Does pension type match detail? #4	Categ
10	R10PTYPF4	R10PTYPF4:W10 Does pension type match detail? #4	Categ
11	R11PTYPF4	R11PTYPF4:W11 Does pension type match detail? #4	Categ
12	R12PTYPF4	R12PTYPF4:W12 Does pension type match detail? #4	Categ
9	S9PTYPF4	S9PTYPF4:W9 Does pension type match detail? #4	Categ
10	S10PTYPF4	S10PTYPF4:W10 Does pension type match detail? #4	Categ
11	S11PTYPF4	S11PTYPF4:W11 Does pension type match detail? #4	Categ
12	S12PTYPF4	S12PTYPF4:W12 Does pension type match detail? #4	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9PTYPD1	2191	3.26	6.94	1.0	95.0
R10PTYPD1	3529	3.27	8.20	1.0	96.0
R11PTYPD1	3392	2.94	2.99	1.0	16.0
R12PTYPD1	2885	2.83	2.85	1.0	16.0
S9PTYPD1	1653	3.39	7.47	1.0	95.0
S10PTYPD1	2510	3.19	7.62	1.0	96.0
S11PTYPD1	2443	2.96	3.04	1.0	16.0
S12PTYPD1	2062	2.79	2.82	1.0	16.0
R9PTYPD2	648	5.92	12.88	1.0	96.0
R10PTYPD2	1109	6.29	15.53	1.0	96.0
R11PTYPD2	903	3.25	2.80	1.0	16.0
R12PTYPD2	723	3.22	2.75	1.0	16.0
S9PTYPD2	499	5.78	12.73	1.0	96.0
S10PTYPD2	784	6.17	15.56	1.0	96.0
S11PTYPD2	655	3.25	2.86	1.0	16.0
S12PTYPD2	528	3.13	2.62	1.0	16.0
R9PTYPD3	74	11.85	22.95	1.0	96.0
R10PTYPD3	139	12.10	24.91	1.0	96.0
R11PTYPD3	133	4.13	3.27	1.0	16.0
R12PTYPD3	104	4.13	3.24	1.0	14.0
S9PTYPD3	61	12.00	22.63	1.0	96.0
S10PTYPD3	100	11.29	23.58	1.0	96.0
S11PTYPD3	98	3.82	3.03	1.0	13.0
S12PTYPD3	80	4.34	3.49	1.0	14.0
R9PTYPD4	4	8.25	6.13	2.0	14.0
R10PTYPD4	12	27.25	41.50	2.0	96.0
R11PTYPD4	12	3.50	1.73	1.0	7.0
R12PTYPD4	9	4.22	2.82	1.0	10.0
S9PTYPD4	3	10.33	5.51	4.0	14.0
S10PTYPD4	9	35.00	45.79	2.0	96.0
S11PTYPD4	8	3.13	1.89	1.0	7.0
S12PTYPD4	6	4.50	3.15	1.0	10.0
R9PTYPF1	2422	0.68	0.47	0.0	1.0

R10PTYPF1	3862	0.63	0.48	0.0	1.0
R11PTYPF1	3593	0.59	0.49	0.0	1.0
R12PTYPF1	3027	0.65	0.48	0.0	1.0
S9PTYPF1	1804	0.69	0.46	0.0	1.0
S10PTYPF1	2735	0.64	0.48	0.0	1.0
S11PTYPF1	2571	0.60	0.49	0.0	1.0
S12PTYPF1	2159	0.66	0.48	0.0	1.0
R9PTYPF2	706	0.73	0.44	0.0	1.0
R10PTYPF2	1172	0.71	0.45	0.0	1.0
R11PTYPF2	952	0.60	0.49	0.0	1.0
R12PTYPF2	753	0.61	0.49	0.0	1.0
S9PTYPF2	535	0.74	0.44	0.0	1.0
S10PTYPF2	833	0.72	0.45	0.0	1.0
S11PTYPF2	687	0.60	0.49	0.0	1.0
S12PTYPF2	548	0.62	0.49	0.0	1.0
R9PTYPF3	79	0.73	0.44	0.0	1.0
R10PTYPF3	140	0.76	0.43	0.0	1.0
R11PTYPF3	139	0.63	0.48	0.0	1.0
R12PTYPF3	106	0.61	0.49	0.0	1.0
S9PTYPF3	64	0.72	0.45	0.0	1.0
S10PTYPF3	101	0.75	0.43	0.0	1.0
S11PTYPF3	103	0.66	0.48	0.0	1.0
S12PTYPF3	82	0.60	0.49	0.0	1.0
R9PTYPF4	5	0.40	0.55	0.0	1.0
R10PTYPF4	9	0.78	0.44	0.0	1.0
R11PTYPF4	13	0.69	0.48	0.0	1.0
R12PTYPF4	10	0.70	0.48	0.0	1.0
S9PTYPF4	4	0.50	0.58	0.0	1.0
S10PTYPF4	6	0.83	0.41	0.0	1.0
S11PTYPF4	9	0.78	0.44	0.0	1.0
S12PTYPF4	7	0.86	0.38	0.0	1.0

Categorical Variable Codes

Value	R9PTYPD1	R10PTYPD1	R11PTYPD1	R12PTYPD1
.D=DK	303	381	188	122
.M=Oth missing			9	12
.O=Other (Specify)	84	163	249	201
.R=RF	5	11	94	83
.S=No pen	14634	17950	16622	15445
1.401k plan	1217	1918	1789	1569
2.Supplemental retirement a	93	273	196	123
3.Defined benefit plan	368	482	381	330
4.Defined contribution plan	178	377	476	426
5.401a plan	1	9	8	11
6.403b plan	107	203	209	179
7.457 plan	11	11	36	31
8.Thrift/savings plan (TSP)	39	81	85	64
9.Profit-sharing plan	59	55	59	44
10.Employee stock ownership	27	25	41	28
11.Money purchase plan	1			
12.Portable cash option pla			2	1
13.Employee stock purchase	7	5	18	12
14.SEP or SIMPLE plan	55	46	69	45
15.Combination plan	13	15	17	16
16.Cash balance plan	5	4	6	6
95.IRA/Keogh	10	17		
96.Not pension, health plan		8		

Value	S9PTYPD1	S10PTYPD1	S11PTYPD1	S12PTYPD1
.D=DK	196	252	116	79
.M=Oth missing			6	8
.O=Other (Specify)	64	111	167	131
.R=RF	3	9	65	54
.S=No pen	8730	10631	9691	8697
.U=Umarried	6206	7799	7474	7123
.V=Spouse NR	365	722	592	594
1.401k plan	915	1371	1301	1140
2.Supplemental retirement a	70	184	139	90
3.Defined benefit plan	270	344	266	226
4.Defined contribution plan	134	267	328	303
5.401a plan		7	7	9
6.403b plan	85	137	148	115
7.457 plan	6	7	27	23
8.Thrift/savings plan (TSP)	28	60	63	43
9.Profit-sharing plan	49	45	46	37
10.Employee stock ownership	22	19	35	24
11.Money purchase plan	1			
12.Portable cash option pla			1	1
13.Employee stock purchase	7	2	10	4
14.SEP or SIMPLE plan	43	39	56	33
15.Combination plan	11	11	13	12
16.Cash balance plan	3	2	3	2
95.IRA/Keogh	9	11		
96.Not pension, health plan		4		

Value	R9PTYPD2	R10PTYPD2	R11PTYPD2	R12PTYPD2
.D=DK	108	113	38	23
.M=Oth missing	1	17	4	
.O=Other (Specify)	32	78	98	77
.R=RF	3	12	21	14
.S=No pen	16425	20705	19490	17911
1.401k plan	224	356	361	296
2.Supplemental retirement a	61	172	52	38
3.Defined benefit plan	87	152	164	125
4.Defined contribution plan	52	107	158	124
5.401a plan	3	2	7	4
6.403b plan	50	93	66	65
7.457 plan	18	39	18	19
8.Thrift/savings plan (TSP)	38	50	23	13
9.Profit-sharing plan	42	38	19	14
10.Employee stock ownership	25	28	15	11
11.Money purchase plan	1			
13.Employee stock purchase	21	31	6	2
14.SEP or SIMPLE plan	4	3	6	5
15.Combination plan	2	2	4	4
16.Cash balance plan	8	5	4	3
95.IRA/Keogh	4	4		
96.Not pension, health plan	8	27		

Value	S9PTYPD2	S10PTYPD2	S11PTYPD2	S12PTYPD2
.D=DK	72	83	21	14
.M=Oth missing	1	12	4	
.O=Other (Specify)	22	50	73	52
.R=RF	2	9	14	10
.S=No pen	10050	12575	11721	10427
.U=Umarried	6206	7799	7474	7123
.V=Spouse NR	365	722	592	594
1.401k plan	172	262	265	228
2.Supplemental retirement a	53	124	37	22
3.Defined benefit plan	66	110	112	85
4.Defined contribution plan	41	68	123	93
5.401a plan	3	2	6	2
6.403b plan	38	70	43	49
7.457 plan	10	29	15	15
8.Thrift/savings plan (TSP)	30	27	13	9
9.Profit-sharing plan	35	24	16	10
10.Employee stock ownership	17	20	8	8
11.Money purchase plan	1			
13.Employee stock purchase	16	18	5	
14.SEP or SIMPLE plan	2	3	5	4
15.Combination plan	1	2	3	2
16.Cash balance plan	5	3	4	1
95.IRA/Keogh	2	3		
96.Not pension, health plan	7	19		

Value	R9PTYPD3	R10PTYPD3	R11PTYPD3	R12PTYPD3
.D=DK	16	18	9	2
.M=Oth missing		18		
.O=Other (Specify)	5	16	19	11
.R=RF	5	8	3	
.S=No pen	17117	21835	20390	18631
1.401k plan	11	23	33	31
2.Supplemental retirement a	7	23	9	9
3.Defined benefit plan	6	11	29	12
4.Defined contribution plan	11	21	26	18
5.401a plan	2	2	1	1
6.403b plan	3	11	14	11
7.457 plan	5	7	5	11
8.Thrift/savings plan (TSP)	3	3		
9.Profit-sharing plan	4	3	2	1
10.Employee stock ownership	10	16	7	5
11.Money purchase plan		1		
12.Portable cash option pla	1			1
13.Employee stock purchase	6	6	5	3
14.SEP or SIMPLE plan			1	1
16.Cash balance plan		1	1	
95.IRA/Keogh	3	1		
96.Not pension, health plan	2	10		

Value	S9PTYPD3	S10PTYPD3	S11PTYPD3	S12PTYPD3
.D=DK	11	10	7	2
.M=Oth missing		12		
.O=Other (Specify)	3	13	17	7
.R=RF	4	7	1	
.S=No pen	10567	13371	12365	10942
.U=Umarried	6206	7799	7474	7123
.V=Spouse NR	365	722	592	594
1.401k plan	8	16	29	24
2.Supplemental retirement a	5	17	6	7
3.Defined benefit plan	5	7	22	7
4.Defined contribution plan	10	18	17	15
5.401a plan	1		1	1
6.403b plan	2	8	8	6
7.457 plan	4	4	4	9
8.Thrift/savings plan (TSP)	2	2		
9.Profit-sharing plan	4	3	1	1
10.Employee stock ownership	9	12	7	5
11.Money purchase plan		1		
12.Portable cash option pla	1			1
13.Employee stock purchase	6	5	3	3
14.SEP or SIMPLE plan				1
95.IRA/Keogh	2	1		
96.Not pension, health plan	2	6		

Value	R9PTYPD4	R10PTYPD4	R11PTYPD4	R12PTYPD4
.D=DK	4	6		1
.M=Oth missing		7		
.O=Other (Specify)	1	1	3	2
.R=RF		1	1	
.S=No pen	17208	22007	20538	18736
1.401k plan			2	2
2.Supplemental retirement a	1	2		
3.Defined benefit plan			5	2
4.Defined contribution plan	1	5	3	2
6.403b plan		1	1	2
7.457 plan			1	
9.Profit-sharing plan		1		
10.Employee stock ownership				1
13.Employee stock purchase	1			
14.SEP or SIMPLE plan	1			
96.Not pension, health plan		3		

Value	S9PTYPD4	S10PTYPD4	S11PTYPD4	S12PTYPD4
.D=DK	4	3		1
.M=Oth missing		5		
.O=Other (Specify)	1		2	1
.R=RF		1	1	
.S=No pen	10638	13495	12477	11023
.U=Umarried	6206	7799	7474	7123
.V=Spouse NR	365	722	592	594
1.401k plan			2	1
2.Supplemental retirement a		1		
3.Defined benefit plan			4	2
4.Defined contribution plan	1	4	1	1
6.403b plan				1
7.457 plan			1	
9.Profit-sharing plan		1		
10.Employee stock ownership				1
13.Employee stock purchase	1			
14.SEP or SIMPLE plan	1			
96.Not pension, health plan		3		

Value	R9PTYPF1	R10PTYPF1	R11PTYPF1	R12PTYPF1
.D=DK/NA	156	211	333	240
.M=Oth missing				5
.N=Not a pension, other		8		
.R=RF	5	3	6	31
.S=Skip	14634	17950	16622	15445
0.No	782	1427	1482	1069
1.Yes	1640	2435	2111	1958

Value	S9PTYPF1	S10PTYPF1	S11PTYPF1	S12PTYPF1
.D=DK/NA	109	140	222	154
.M=Oth missing				4
.N=Not a pension, other		4		
.R=RF	3	3	4	17
.S=Skip	8730	10631	9691	8697
.U=Unmarried	6206	7799	7474	7123
.V=Spouse NR	365	722	592	594
0.No	556	991	1023	742
1.Yes	1248	1744	1548	1417

Value	R9PTYPF2	R10PTYPF2	R11PTYPF2	R12PTYPF2
.D=DK/NA	75	105	110	82
.M=Oth missing	1	15		
.N=Not a pension, other	8	27		
.R=RF	2	10	2	2
.S=Skip	16425	20705	19490	17911
0.No	188	341	384	290
1.Yes	518	831	568	463

Value	S9PTYPF2	S10PTYPF2	S11PTYPF2	S12PTYPF2
.D=DK/NA	52	69	79	54
.M=Oth missing	1	10		
.N=Not a pension, other	7	19		
.R=RF	1	7	1	2
.S=Skip	10050	12575	11721	10427
.U=Unmarried	6206	7799	7474	7123
.V=Spouse NR	365	722	592	594
0.No	139	230	272	207
1.Yes	396	603	415	341

Value	R9PTYPF3	R10PTYPF3	R11PTYPF3	R12PTYPF3
.D=DK/NA	14	26	24	11
.M=Oth missing		18		
.N=Not a pension, other	2	10		
.R=RF	5	5	1	
.S=Skip	17117	21835	20390	18631
0.No	21	34	51	41
1.Yes	58	106	88	65

Value	S9PTYPF3	S10PTYPF3	S11PTYPF3	S12PTYPF3
.D=DK/NA	9	19	20	7
.M=Oth missing		12		
.N=Not a pension, other	2	6		
.R=RF	4	4		
.S=Skip	10567	13371	12365	10942
.U=Unmarried	6206	7799	7474	7123
.V=Spouse NR	365	722	592	594
0.No	18	25	35	33
1.Yes	46	76	68	49

Value	R9PTYPF4	R10PTYPF4	R11PTYPF4	R12PTYPF4
.D=DK/NA	4	7	3	2
.M=Oth missing		7		
.N=Not a pension, other		3		
.R=RF		1		
.S=Skip	17208	22007	20538	18736
0.No	3	2	4	3
1.Yes	2	7	9	7

Value	S9PTYPF4	S10PTYPF4	S11PTYPF4	S12PTYPF4
.D=DK/NA	4	3	2	1
.M=Oth missing		5		
.N=Not a pension, other		3		
.R=RF		1		
.S=Skip	10638	13495	12477	11023
.U=Unmarried	6206	7799	7474	7123
.V=Spouse NR	365	722	592	594
0.No	2	1	2	1
1.Yes	2	5	7	6

Format Reference Tables – complete variable value labels

```
_____________________________________________________
Variables: PTYPD1, PTYPD2, PTYPD3, PTYPD4
-----------------------------------------------------
.D=DK
.M=Oth missing
.O=Other (Specify)
.Q=Not asked this wv
.R=RF
.S=No pen
.U=Umarried
.V=Spouse NR
.W=Not working
1.401k plan
2.Supplemental retirement acc
3.Defined benefit plan
4.Defined contribution plan
5.401a plan
6.403b plan
7.457 plan
8.Thrift/savings plan (TSP)
9.Profit-sharing plan
10.Employee stock ownership
11.Money purchase plan
12.Portable cash option plan
13.Employee stock purchase
14.SEP or SIMPLE plan
15.Combination plan
16.Cash balance plan
95.IRA/Keogh
96.Not pension, health plan mentioned
```

How Constructed

RwPTYPD1, RwPTYPD2, RwPTYPD3 and RwPTYPD4 indicate the detailed types of pension plans in which the Respondent is included for the current job. This is a new question starting in Wave 9. SwPTYPD1, SwPTYPD2, SwPTYPD3 and SwPTYPD4 provide the information for the Respondent's spouse or partner.

From Wave 9 onwards, if the Respondent is included in a pension in her/his current job then s/he is asked what her/his employer calls the plan. The Respondent may identify the plan type from a list of different plans such as 401K or 403B. In Wave 9, two new codes were added: "IRA/Keogh" (95) and "health savings account/medical plan/flexible spending account/disability mentioned" (96). RwPTYPD1-4 is recoded from these two codes to "96:Not a pension." In Wave 10, code 95 was dropped and code 96 was simplified to "Not a pension." In Wave 11, the pension questionnaire changed, but the Respondent is still asked what type of pension they have, so the response remains the same.

RwPTYPD1, RwPTYPD2, RwPTYPD3 and RwPTYPD4 are set to the type of pensions that the Respondent reports. The plan type is simply recoded for missing values. It is set to .S if the question is skipped because the Respondent does not have the pension, e.g., if the Respondent has one pension, RwPTYP2 to RwPTYP3 (or RwPTYP4 from Wave 5 on) are set to .S. They are also set to .S if the Respondent does not have a pension on the current job, did not provide a number of pensions, or is not working.

From Wave 9 onward there are two RAND HRS pension type variables: RwPTYP1-4 indicates if a plan is DB, DC, Both, or Not a Pension and RwPTYPD1-4 indicates what the Respondent's employer calls her/his plan. The flags RwPTYPF1, RwPTYPF2, RwPTYPF3 and RwPTYPF4 provide a crosswalk between the two plan type variables. They indicate whether the Respondent's responses in RwPTYP1-4 match those in RwPTYPD1-4.

RwPTYPF1-4 = 1 if the Respondent can correctly identify a DB and DC plan from the employer list.

RwPTYPF1-4 = 0 if the Respondent cannot identify a DB and DC plan from the employer list.

RwPTYPF1-4 = .S if the Respondent does not report a pension.

RwPTYPF1-4 = .R if the Respondent refused to answer both RwPTYP1 and RwPTYPD1.

RwPTYPF1-4 = .N if the Respondent reports "Not a Pension" in RwPTYPD1-4.

RwPTYPF1-4 = .D if both RwPTYP1 and RwPTYPD1 report DK or if RwPTYPD1 is reported as '.O Other.' As we do not have information on what the 'Other' plan is, we cannot say if the Respondent has correctly identified it as DB or DC.

SwPTYPD1, SwPTYPD2, SwPTYPD3 and SwPTYPD4 information is taken from the spouse's self-reported RwPTYPD1, RwPTYPD2, RwPTYPD3 and RwPTYPD4 variables, if available. If the Respondent is not married, SwPTYPD1, SwPTYPD2, SwPTYPD3 and SwPTYPD4 are set to .U=unmarried. If the Respondent's spouse did not respond, then SwPTYPD1, SwPTYPD2, SwPTYPD3 and SwPTYPD4 are set to .V=Spouse is non-response.

SwPTYPF1, SwPTYPF2, SwPTYPF3 and SwPTYPF4 information is taken from the spouse's self-reported RwPTYPF1, RwPTYPF2, RwPTYPF3 and RwPTYPF4 variables, if available. If the Respondent is not married, SwPTYPF1, SwPTYPF2, SwPTYPF3 and SwPTYPF4 are set to .U=unmarried. If the Respondent's spouse did not respond, then SwPTYPF1, SwPTYPF2, SwPTYPF3 and SwPTYPF4 are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

From Wave 9 onwards, the question asks about the current job's pension.

If the Respondent reports having a pension(s) from the current job, the number of pensions is ascertained and the Respondent is asked "What does your employer call your plan?" This detailed type of pension is requested for up to four pensions. If the Respondent has multiple plans of different types, the most important plan is recorded rather than combining them as "Combination Plan."

Prior to Wave 11, the Respondent was asked to list their pensions in order of importance. In Wave 11, due to the questionnaire change, the Respondent answers questions about all their pensions, with no regard to importance.

The Respondent is also asked "Is your plan Type A or Type B?" The response may be Type A, Type B, or both. RwPTYPF1-4 tells us if the Respondent correctly identifies the employer plan name as DB, DC or both.

HRS Variables Used

```
HRS 2008:
    LJ338_1         PENSION PLAN TYPE- 1
    LJ338_2         PENSION PLAN TYPE- 2
    LJ338_3         PENSION PLAN TYPE- 3
    LJ338_4         PENSION PLAN TYPE- 4
    LJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    LJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    LJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    LJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
HRS 2010:
    MJ338_1         PENSION PLAN TYPE- 1
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    MJ338_2         PENSION PLAN TYPE- 2
    MJ338_3         PENSION PLAN TYPE- 3
    MJ338_4         PENSION PLAN TYPE- 4
    MJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    MJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    MJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    MJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
HRS 2012:
    NJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    NJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    NJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    NJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    NJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    NJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    NJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    NJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    NJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    NJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
    NJ2W407_1       TYPE -1_1
    NJ2W407_10      TYPE -1_10
    NJ2W407_2       TYPE -1_2
    NJ2W407_3       TYPE -1_3
    NJ2W407_4       TYPE -1_4
    NJ2W407_5       TYPE -1_5
    NJ2W407_6       TYPE -1_6
    NJ2W407_7       TYPE -1_7
    NJ2W407_8       TYPE -1_8
    NJ2W407_9       TYPE -1_9
HRS 2014:
    OJ2338_1        PENSION PLAN TYPE-DB OR DC_1
    OJ2338_10       PENSION PLAN TYPE-DB OR DC_10
    OJ2338_2        PENSION PLAN TYPE-DB OR DC_2
    OJ2338_3        PENSION PLAN TYPE-DB OR DC_3
    OJ2338_4        PENSION PLAN TYPE-DB OR DC_4
    OJ2338_5        PENSION PLAN TYPE-DB OR DC_5
    OJ2338_6        PENSION PLAN TYPE-DB OR DC_6
    OJ2338_7        PENSION PLAN TYPE-DB OR DC_7
    OJ2338_8        PENSION PLAN TYPE-DB OR DC_8
    OJ2338_9        PENSION PLAN TYPE-DB OR DC_9
    OJ2W407_1       TYPE_1
    OJ2W407_10      TYPE_10
    OJ2W407_2       TYPE_2
    OJ2W407_3       TYPE_3
    OJ2W407_4       TYPE_4
    OJ2W407_5       TYPE_5
    OJ2W407_6       TYPE_6
    OJ2W407_7       TYPE_7
    OJ2W407_8       TYPE_8
    OJ2W407_9       TYPE_9
    OJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
    OJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
    OJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
    OJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
    OJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
    OJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
    OJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
    OJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
    OJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
    OJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
```

Respondent's annual contribution to DC plan from Current Job

Wave	Variable	Label	Type
1	R1DCCONT1	R1DCCONT1:W1 Employee contribution to DC plan #1	Cont
2	R2DCCONT1	R2DCCONT1:W2 Employee contribution to DC plan #1	Cont
3	R3DCCONT1	R3DCCONT1:W3 Employee contribution to DC plan #1	Cont
4	R4DCCONT1	R4DCCONT1:W4 Employee contribution to DC plan #1	Cont
5	R5DCCONT1	R5DCCONT1:W5 Employee contribution to DC plan #1	Cont
6	R6DCCONT1	R6DCCONT1:W6 Employee contribution to DC plan #1	Cont
7	R7DCCONT1	R7DCCONT1:W7 Employee contribution to DC plan #1	Cont
8	R8DCCONT1	R8DCCONT1:W8 Employee contribution to DC plan #1	Cont
9	R9DCCONT1	R9DCCONT1:W9 Employee contribution to DC plan #1	Cont
10	R10DCCONT1	R10DCCONT1:W10 Employee contribution to DC plan #1	Cont
11	R11DCCONT1	R11DCCONT1:W11 Employee contribution to DC plan #1	Cont
12	R12DCCONT1	R12DCCONT1:W12 Employee contribution to DC plan #1	Cont
1	S1DCCONT1	S1DCCONT1:W1 Employee contribution to DC plan #1	Cont
2	S2DCCONT1	S2DCCONT1:W2 Employee contribution to DC plan #1	Cont
3	S3DCCONT1	S3DCCONT1:W3 Employee contribution to DC plan #1	Cont
4	S4DCCONT1	S4DCCONT1:W4 Employee contribution to DC plan #1	Cont
5	S5DCCONT1	S5DCCONT1:W5 Employee contribution to DC plan #1	Cont
6	S6DCCONT1	S6DCCONT1:W6 Employee contribution to DC plan #1	Cont
7	S7DCCONT1	S7DCCONT1:W7 Employee contribution to DC plan #1	Cont
8	S8DCCONT1	S8DCCONT1:W8 Employee contribution to DC plan #1	Cont
9	S9DCCONT1	S9DCCONT1:W9 Employee contribution to DC plan #1	Cont
10	S10DCCONT1	S10DCCONT1:W10 Employee contribution to DC plan #1	Cont
11	S11DCCONT1	S11DCCONT1:W11 Employee contribution to DC plan #1	Cont
12	S12DCCONT1	S12DCCONT1:W12 Employee contribution to DC plan #1	Cont
1	R1DCCONT2	R1DCCONT2:W1 Employee contribution to DC plan #2	Cont
2	R2DCCONT2	R2DCCONT2:W2 Employee contribution to DC plan #2	Cont
3	R3DCCONT2	R3DCCONT2:W3 Employee contribution to DC plan #2	Cont
4	R4DCCONT2	R4DCCONT2:W4 Employee contribution to DC plan #2	Cont
5	R5DCCONT2	R5DCCONT2:W5 Employee contribution to DC plan #2	Cont
6	R6DCCONT2	R6DCCONT2:W6 Employee contribution to DC plan #2	Cont
7	R7DCCONT2	R7DCCONT2:W7 Employee contribution to DC plan #2	Cont
8	R8DCCONT2	R8DCCONT2:W8 Employee contribution to DC plan #2	Cont
9	R9DCCONT2	R9DCCONT2:W9 Employee contribution to DC plan #2	Cont
10	R10DCCONT2	R10DCCONT2:W10 Employee contribution to DC plan #2	Cont
11	R11DCCONT2	R11DCCONT2:W11 Employee contribution to DC plan #2	Cont
12	R12DCCONT2	R12DCCONT2:W12 Employee contribution to DC plan #2	Cont
1	S1DCCONT2	S1DCCONT2:W1 Employee contribution to DC plan #2	Cont
2	S2DCCONT2	S2DCCONT2:W2 Employee contribution to DC plan #2	Cont
3	S3DCCONT2	S3DCCONT2:W3 Employee contribution to DC plan #2	Cont
4	S4DCCONT2	S4DCCONT2:W4 Employee contribution to DC plan #2	Cont
5	S5DCCONT2	S5DCCONT2:W5 Employee contribution to DC plan #2	Cont
6	S6DCCONT2	S6DCCONT2:W6 Employee contribution to DC plan #2	Cont
7	S7DCCONT2	S7DCCONT2:W7 Employee contribution to DC plan #2	Cont
8	S8DCCONT2	S8DCCONT2:W8 Employee contribution to DC plan #2	Cont
9	S9DCCONT2	S9DCCONT2:W9 Employee contribution to DC plan #2	Cont
10	S10DCCONT2	S10DCCONT2:W10 Employee contribution to DC plan #2	Cont
11	S11DCCONT2	S11DCCONT2:W11 Employee contribution to DC plan #2	Cont
12	S12DCCONT2	S12DCCONT2:W12 Employee contribution to DC plan #2	Cont
1	R1DCCONT3	R1DCCONT3:W1 Employee contribution to DC plan #3	Cont
2	R2DCCONT3	R2DCCONT3:W2 Employee contribution to DC plan #3	Cont
3	R3DCCONT3	R3DCCONT3:W3 Employee contribution to DC plan #3	Cont
4	R4DCCONT3	R4DCCONT3:W4 Employee contribution to DC plan #3	Cont
5	R5DCCONT3	R5DCCONT3:W5 Employee contribution to DC plan #3	Cont
6	R6DCCONT3	R6DCCONT3:W6 Employee contribution to DC plan #3	Cont
7	R7DCCONT3	R7DCCONT3:W7 Employee contribution to DC plan #3	Cont
8	R8DCCONT3	R8DCCONT3:W8 Employee contribution to DC plan #3	Cont
9	R9DCCONT3	R9DCCONT3:W9 Employee contribution to DC plan #3	Cont
10	R10DCCONT3	R10DCCONT3:W10 Employee contribution to DC plan #3	Cont
11	R11DCCONT3	R11DCCONT3:W11 Employee contribution to DC plan #3	Cont
12	R12DCCONT3	R12DCCONT3:W12 Employee contribution to DC plan #3	Cont
1	S1DCCONT3	S1DCCONT3:W1 Employee contribution to DC plan #3	Cont

2	S2DCCONT3	S2DCCONT3:W2 Employee contribution to DC plan #3	Cont
3	S3DCCONT3	S3DCCONT3:W3 Employee contribution to DC plan #3	Cont
4	S4DCCONT3	S4DCCONT3:W4 Employee contribution to DC plan #3	Cont
5	S5DCCONT3	S5DCCONT3:W5 Employee contribution to DC plan #3	Cont
6	S6DCCONT3	S6DCCONT3:W6 Employee contribution to DC plan #3	Cont
7	S7DCCONT3	S7DCCONT3:W7 Employee contribution to DC plan #3	Cont
8	S8DCCONT3	S8DCCONT3:W8 Employee contribution to DC plan #3	Cont
9	S9DCCONT3	S9DCCONT3:W9 Employee contribution to DC plan #3	Cont
10	S10DCCONT3	S10DCCONT3:W10 Employee contribution to DC plan #3	Cont
11	S11DCCONT3	S11DCCONT3:W11 Employee contribution to DC plan #3	Cont
12	S12DCCONT3	S12DCCONT3:W12 Employee contribution to DC plan #3	Cont
5	R5DCCONT4	R5DCCONT4:W5 Employee contribution to DC plan #4	Cont
6	R6DCCONT4	R6DCCONT4:W6 Employee contribution to DC plan #4	Cont
7	R7DCCONT4	R7DCCONT4:W7 Employee contribution to DC plan #4	Cont
8	R8DCCONT4	R8DCCONT4:W8 Employee contribution to DC plan #4	Cont
9	R9DCCONT4	R9DCCONT4:W9 Employee contribution to DC plan #4	Cont
10	R10DCCONT4	R10DCCONT4:W10 Employee contribution to DC plan #4	Cont
11	R11DCCONT4	R11DCCONT4:W11 Employee contribution to DC plan #4	Cont
12	R12DCCONT4	R12DCCONT4:W12 Employee contribution to DC plan #4	Cont
5	S5DCCONT4	S5DCCONT4:W5 Employee contribution to DC plan #4	Cont
6	S6DCCONT4	S6DCCONT4:W6 Employee contribution to DC plan #4	Cont
7	S7DCCONT4	S7DCCONT4:W7 Employee contribution to DC plan #4	Cont
8	S8DCCONT4	S8DCCONT4:W8 Employee contribution to DC plan #4	Cont
9	S9DCCONT4	S9DCCONT4:W9 Employee contribution to DC plan #4	Cont
10	S10DCCONT4	S10DCCONT4:W10 Employee contribution to DC plan #4	Cont
11	S11DCCONT4	S11DCCONT4:W11 Employee contribution to DC plan #4	Cont
12	S12DCCONT4	S12DCCONT4:W12 Employee contribution to DC plan #4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCCONT1	1420	2210.33	8631.86	0.0	237500.0
R2DCCONT1	409	2739.41	9842.13	0.0	150000.0
R3DCCONT1	465	2151.33	3924.64	0.0	65000.0
R4DCCONT1	930	2921.36	3960.35	0.0	32500.0
R5DCCONT1	598	3666.28	15897.11	0.0	287040.0
R6DCCONT1	1199	3803.85	13446.37	0.0	396000.0
R7DCCONT1	1754	3785.44	8255.22	0.0	148956.0
R8DCCONT1	1412	3948.44	6070.11	0.0	54600.0
R9DCCONT1	1300	4817.52	6990.17	0.0	67500.0
R10DCCONT1	1966	5172.94	15399.02	0.0	572000.0
R11DCCONT1	1795	4103.06	6249.93	0.0	62400.0
R12DCCONT1	1768	6402.96	65652.09	0.0	2652000.0
S1DCCONT1	1117	2158.81	7986.29	0.0	237500.0
S2DCCONT1	322	2836.91	10353.34	0.0	150000.0
S3DCCONT1	359	2303.18	4296.67	0.0	65000.0
S4DCCONT1	723	3062.73	3980.10	0.0	32500.0
S5DCCONT1	441	4209.64	18419.32	0.0	287040.0
S6DCCONT1	909	3807.99	8094.57	0.0	156000.0
S7DCCONT1	1335	4178.99	9213.73	0.0	148956.0
S8DCCONT1	1073	4164.89	6322.37	0.0	54600.0
S9DCCONT1	1006	4978.72	7040.80	0.0	67500.0
S10DCCONT1	1408	5421.12	16662.08	0.0	572000.0
S11DCCONT1	1327	4357.04	6471.67	0.0	62400.0
S12DCCONT1	1293	7309.82	76663.97	0.0	2652000.0
R1DCCONT2	922	3220.59	7594.47	0.0	149552.0

R2DCCONT2	104	3287.22	6969.19	0.0	55800.0
R3DCCONT2	126	2970.64	6361.14	0.0	65000.0
R4DCCONT2	358	3082.41	3777.78	0.0	35400.0
R5DCCONT2	137	2589.89	3021.28	0.0	14560.0
R6DCCONT2	306	6188.85	24510.85	0.0	396000.0
R7DCCONT2	660	4101.00	7494.21	0.0	105000.0
R8DCCONT2	362	4157.63	5578.70	0.0	35000.0
R9DCCONT2	436	5500.79	18306.54	0.0	356400.0
R10DCCONT2	712	5054.31	8173.61	0.0	130000.0
R11DCCONT2	463	4612.21	6331.21	0.0	46153.8
R12DCCONT2	450	5198.12	6445.23	0.0	30000.0
S1DCCONT2	747	3320.77	8319.75	0.0	149552.0
S2DCCONT2	86	3097.94	6431.59	0.0	55800.0
S3DCCONT2	105	3255.25	6890.82	0.0	65000.0
S4DCCONT2	287	3124.95	3765.03	0.0	35400.0
S5DCCONT2	102	2583.18	2831.88	0.0	12200.0
S6DCCONT2	234	5066.92	8954.93	0.0	90000.0
S7DCCONT2	505	4512.61	8314.21	0.0	105000.0
S8DCCONT2	270	4650.77	5978.87	0.0	35000.0
S9DCCONT2	339	5853.86	20472.59	0.0	356400.0
S10DCCONT2	518	4993.52	6464.17	0.0	48000.0
S11DCCONT2	340	4836.46	6701.18	0.0	46153.8
S12DCCONT2	331	5666.42	6789.06	0.0	30000.0
R1DCCONT3	98	2384.29	2574.55	0.0	11200.0
R2DCCONT3	22	2115.05	3244.74	0.0	10000.0
R3DCCONT3	18	1681.31	2862.50	0.0	9400.0
R4DCCONT3	46	3356.76	11421.44	0.0	76076.0
R5DCCONT3	22	1041.19	2603.65	0.0	12200.0
R6DCCONT3	28	2136.98	3106.26	0.0	10800.0
R7DCCONT3	86	3795.63	6389.99	0.0	42000.0
R8DCCONT3	31	3322.12	4851.87	0.0	20000.0
R9DCCONT3	52	3628.15	5939.26	0.0	20000.0
R10DCCONT3	93	3964.34	8382.90	0.0	56160.0
R11DCCONT3	71	4780.62	7394.46	0.0	31500.0
R12DCCONT3	73	4055.38	4906.22	0.0	19200.0
S1DCCONT3	76	2356.64	2528.14	0.0	11200.0
S2DCCONT3	19	1835.11	2913.16	0.0	7956.0
S3DCCONT3	16	1842.72	3002.67	0.0	9400.0
S4DCCONT3	39	3901.31	12347.01	0.0	76076.0
S5DCCONT3	16	1129.92	3031.33	0.0	12200.0
S6DCCONT3	23	2199.17	3123.76	0.0	10800.0
S7DCCONT3	67	3855.88	6813.94	0.0	42000.0
S8DCCONT3	28	2888.77	4579.66	0.0	20000.0
S9DCCONT3	41	3387.03	5459.92	0.0	20000.0
S10DCCONT3	68	4281.26	9373.00	0.0	56160.0
S11DCCONT3	57	4928.29	7053.55	0.0	30000.0
S12DCCONT3	53	4233.13	5138.05	0.0	19200.0
R5DCCONT4	3	5596.15	5968.06	588.5	12200.0
R6DCCONT4	3	4680.00	8106.00	0.0	14040.0
R7DCCONT4	15	2000.43	3310.27	0.0	11520.0
R8DCCONT4	1	20000.00		20000.0	20000.0
R9DCCONT4	5	9874.06	20218.31	0.0	46000.0
R10DCCONT4	7	7324.40	16814.56	0.0	45230.8
R11DCCONT4	7	5567.51	10036.47	0.0	27450.0
R12DCCONT4	8	842.70	1853.31	0.0	5241.6

S5DCCONT4	3	5596.15	5968.06	588.5	12200.0
S6DCCONT4	3	4680.00	8106.00	0.0	14040.0
S7DCCONT4	14	1643.31	3121.01	0.0	11520.0
S8DCCONT4	1	20000.00		20000.0	20000.0
S9DCCONT4	4	12295.00	22493.72	0.0	46000.0
S10DCCONT4	5	10046.15	19787.60	0.0	45230.8
S11DCCONT4	6	6221.15	10829.95	0.0	27450.0
S12DCCONT4	6	250.00	612.37	0.0	1500.0

How Constructed

RwDCCONT1, RwDCCONT2, RwDCCONT3 and RwDCCONT4 indicate the amount in nominal dollars that the Respondent contributes annually to a defined contribution pension plan at his/her current, primary job. Before Wave 5, employee contributions may be reported for up to 3 plans. From Wave 5 through Wave 10, employee contributions may be reported for up to 4 plans. From Wave 11 on, Respondents may report information on up to 10 plans, but we are limiting the RAND HRS to the first four active plans as they appear in the data, to align with previous waves. SwDCCONT1, SwDCCONT2, SwDCCONT3 and SwDCCONT4 provide the information for the Respondent's spouse or partner.

If the Respondent is working for the same employer as in the previous wave and was previously included in a pension plan, then s/he is asked if the rules of the pension have changed. If the Respondent indicates that the rules have changed, s/he is asked the complete set of questions about newly reported pensions. Prior to Wave 6, if the rules have not changed, Respondents are not asked how much they contribute to the plan, and these responses are set to .Q. Beginning in Wave 6, all Respondents are asked how much they contribute to each defined contribution plan.

If the Respondent is included in a pension in her/his current job, then s/he is asked for the type of plan. In Waves 1-8 and 11, employee contributions are calculated for Respondents who indicate a plan type of Type B or both. In Waves 9-10, dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or both and have a high level of confidence in their plan type selection. In all Waves, Respondents who indicate a plan type of Type A (defined benefit), or who do not know or refuse to disclose the plan type, are set to .B.

In all Waves, Respondents have the option to report employee contributions as a percentage of their annual wages or as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are annualized. If the Respondent reports contributions as a percentage, annual contributions are calculated by multiplying the reported percent by the Respondent's annual wages from her/his current, primary job. If the Respondent reports contributions as a fixed dollar amount per time period, annual contributions are calculated based on the hours and weeks the Respondent reports working for her/his current, primary job.

If the amount contributed is missing, the variables are recoded. RwDCCONTx is set to .Q for defined contribution plans if the questions were not asked of any Respondent in a given wave (e.g., Respondents to Wave 2A or Respondents with plans with no rule changes in Waves 2H-5). If the questions are skipped because the Respondent does not have the pension, the variables are set to .S (e.g., if the Respondent has one pension, RwDCCONT2, RwDCCONT3, and from Wave 5 on, RwDCCONT4 equal .S). RwDCCONTx is also set to .S if the Respondent does not have a pension on the current job, or did not provide a number of pensions in waves prior to 11. RwDCCONTx is set to .W if the Respondent is not working, and to .K if one of the following is missing: wage information, the amount period, hours worked or weeks worked on primary job.

Cross Wave Differences in Original HRS Data

In Waves 1-8 and 11, employee contributions to a defined contribution plan are calculated for Respondents who indicate a plan type equal to Type B or Both. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or Both where Respondents have a high level of confidence in their plan type selection.

The wording of the employee contribution question varies slightly across waves and in some cases, by plan type. In Waves 1, 2H, 3A and 3H, all Respondents are asked, "How much do you contribute (as a percent of your pay or amount of money per month or year)?" This wording is also used for Respondents in Wave 4 who indicate that they have a newly reported plan with a plan type of both.

In Waves 4-8, for Respondents who indicate a newly reported Type B plan, or who in Waves 6 and 8 indicate a previously reported plan, the question is worded as follows, "How much do you currently contribute, that is, what is the sum of any amount that you are required to contribute plus any amount that you voluntarily contribute?"

For newly reported plans with a plan type of both in Waves 5-8, the question is worded as, "How much do you currently contribute, either as a percent of your pay or as an amount of money per month or year?"

Beginning in Wave 9, two separate questions are asked of the Respondent about each plan. The first asks, "Do you make any contributions toward [that plan/(plan name)]?" The second has the same wording as those for newly reported plans in Waves 5-8.

In Waves 2H and 3A, the questions are asked separately for those employed by a firm and those that are self-employed. The question wording is the same in both places.

In Wave 3A, Respondents who work at a firm are asked to report on employee contributions to up to three plans. The self-employed are asked to report on only one plan.

In Waves 2H, 3A, 3H, 4 and 5, employee contribution questions are not asked of those who are with the same employer and who reported having a pension plan at the previous wave where the rules have not changed. The variables for these Respondents are set to .Q.

The questions are not asked in Wave 2A.

Beginning in Wave 5, a fourth plan is added if the Respondent reports having at least four plans.

Prior to Wave 11, the Respondent was asked to list his/her pensions in order of importance. In Wave 11, due to the questionnaire change, the Respondent answers questions about all their pensions, with no regard to importance. We report employee contributions for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

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HRS 1992:
    V2909           F39:P1-TYPE OF PLAN
    V2911           F41:P1-  ADD TO ACCT
    V2912           F41:P1-$ ADD TO ACCT
    V2913           F41:P1-ADD TO ACCT-FREQ
    V2937           F57:TB/P1:  YOU CONTRIB
    V2938           F57:TB/P1:$ YOU CONTRIB
    V2939           F57:TB/P1:FREQ YOU CONTR
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    V3009           F39:P2-TYPE OF PLAN
    V3011           F41:P2-  ADD TO ACCT
    V3012           F41:P2-$ ADD TO ACCT
    V3013           F41:P2-ADD TO ACCT-FREQ
    V3037           F57:TB/P2:  YOU CONTRIB
    V3038           F57:TB/P2:$ YOU CONTRIB
    V3039           F57:TB/P2:FREQ YOU CONTR
    V3109           F39:P3-TYPE OF PLAN
    V3111           F41:P3-  ADD TO ACCT
    V3112           F41:P3-$ ADD TO ACCT
    V3113           F41:P3-ADD TO ACCT-FREQ
    V3137           F57:TB/P3:  YOU CONTRIB
    V3138           F57:TB/P3:$ YOU CONTRIB
    V3139           F57:TB/P3:FREQ YOU CONTR
HRS 1994:
    W3712           1. FA65.TYPE OF PENSION
    W3724           2. FA65.TYPE OF PENSION
    W3736           3. FA65.TYPE OF PENSION
    W3756           1. FA73.TYPE OF PENSION
    W3758           1. FA75.FORM OF CONTRIBU
    W3759           1. FA75a.% OF PAY
    W3760           1. FA75b.AMOUNT OF CONTR
    W3761           1. FA75c.AMOUNT PER TIME
    W3793           1. FA91.AMOUNT OF OWN CO
    W3794           1. FA91a.OWN CONTRIBUTIO
    W3795           1. FA91b.OWN CONTRIBUTIO
    W3796           1. FA91c.OWN CONTRIBUTIO
    W3808           2. FA73.TYPE OF PENSION
    W3810           2. FA75.FORM OF CONTRIBU
    W3811           2. FA75a.% OF PAY
    W3812           2. FA75b.AMOUNT CONTRIBU
    W3813           2. FA75c.AMOUNT PER TIME
    W3845           2. FA91.FORM OF OWN CONT
    W3846           2. FA91a.OWN CONTRIBUTIO
    W3847           2. FA91b.OWN CONTRIBUTIO
    W3848           2. FA91c.OWN CONTRIBUTIO
    W3860           3. FA73.TYPE OF PENSION
    W3862           3. FA75.FORM OF CONTRIBU
    W3863           3. FA75a.% OF PAY
    W3864           3. FA75b.AMOUNT OF CONTR
    W3865           3. FA75c.AMOUNT PER TIME
    W3897           3. FA91.FORM OF OWN CONT
    W3898           3. FA91a.OWN CONTRIBUTIO
    W3899           3. FA91b.OWN CONTRIBUTIO
    W3900           3. FA91c.OWN CONTRIBUTIO
    W4378           1. FB29.TYPE OF RETIREME
    W4390           2. FB29.TYPE OF RETIREME
    W4402           3. FB29.TYPE OF RETIREME
    W4415           1. FB37.TYPE OF PENSION
    W4417           1. FB39.FORM OF OWN CONT
    W4418           1. FB39a.OWN CONTRIBUTIO
    W4419           1. FB39b.OWN CONTRIBUTIO
    W4420           1. FB39c.OWN CONTRIBUTIO
    W4447           1. FB53.# OF YEARS IN PL
    W4452           1. FB55.FORM OF RS CONTR
    W4453           1. FB55a.% OF PAY
    W4454           1. FB55b.AMOUNT OF RS CO
    W4455           1. FB55c.AMOUNT OF RS CO
    W4467           2. FB37.TYPE OF PENSION
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    W4469           2. FB39.TYPE OF CONTRIBU
    W4470           2. FB39a.% OF PAY CONTRI
    W4504           2. FB55.FORM OF RS CONTR
    W4505           2. FB55a.% OF PAY
    W4506           2. FB55b.AMOUNT OF RS CO
    W4507           2. FB55c.AMOUNT OF RS CO
    W4519           3. FB37.TYPE OF PENSION
    W4520           3. FB38.AMOUNT IN ACCOUN
    W4522           3. FB39a.% OF PAY CONTRI
    W4523           3. FB39b.AMOUNT CURRENTL
    W4524           3. FB39c.AMOUNT CURRENTL
    W4556           3. FB55.FORM OF RS CONTR
    W4557           3. FB55a.% OF PAY
    W4558           3. FB55b.AMOUNT OF RS CO
    W4559           3. FB55c.AMOUNT OF RS CO
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2969_1         GA73. TYPE PENSION
    D2969_2         GA73. TYPE PENSION
    D2969_3         GA73. TYPE PENSION
    D2971_1         GA75. AMOUNT R CONTRIBUTES
    D2971_2         GA75. AMOUNT R CONTRIBUTES
    D2971_3         GA75. AMOUNT R CONTRIBUTES
    D2972_1         GA75A. PERCENT PAY CONTRIBUTED
    D2972_2         GA75A. PERCENT PAY CONTRIBUTED
    D2972_3         GA75A. PERCENT PAY CONTRIBUTED
    D2973_1         GA75B. AMOUNT DOLLARS CONTRIBUTED
    D2973_2         GA75B. AMOUNT DOLLARS CONTRIBUTED
    D2973_3         GA75B. AMOUNT DOLLARS CONTRIBUTED
    D2974_1         GA75C. AMOUNT CONTRIBUTED PER
    D2974_2         GA75C. AMOUNT CONTRIBUTED PER
    D2974_3         GA75C. AMOUNT CONTRIBUTED PER
    D3031_1         GA91. HOW R CONTRIBUTE DC
    D3031_2         GA91. HOW R CONTRIBUTE DC
    D3031_3         GA91. HOW R CONTRIBUTE DC
    D3032_1         GA91A. R CONTRIBUTE PERCENT PAY
    D3032_2         GA91A. R CONTRIBUTE PERCENT PAY
    D3032_3         GA91A. R CONTRIBUTE PERCENT PAY
    D3033_1         GA91B. AMOUNT R CONTRIBUTE DC
    D3033_2         GA91B. AMOUNT R CONTRIBUTE DC
    D3033_3         GA91B. AMOUNT R CONTRIBUTE DC
    D3034_1         GA91C. AMOUNT R CONTRIBUTE PER
    D3034_2         GA91C. AMOUNT R CONTRIBUTE PER
    D3034_3         GA91C. AMOUNT R CONTRIBUTE PER
    D3330_1         GB37. TYPE PENSION
    D3332_1         GB39. AMOUNT R CONTRIBUTES
    D3333_1         GB39A. PERCENT PAY CONTRIBUTED
    D3334_1         GB39B. AMOUNT DOLLARS CONTRIBUTED
    D3335_1         GB39C. AMOUNT CONTRIBUTED PER
    D3395_1         GB55. HOW R CONTRIBUTE DC
    D3396_1         GB55A. R CONTRIBUTE PERCENT PAY
    D3397_1         GB55B. AMOUNT R CONTRIBUTE DC
    D3398_1         GB55C. AMOUNT R CONTRIBUTE PER
HRS 1996:
    E2834           G67_.BRANCHPOINT
    E2835           G67.PENSION RULES CHANGED
    E2840_1         G69.TYPE OF PENSION
    E2840_2         G69.TYPE OF PENSION
    E2840_3         G69.TYPE OF PENSION
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    E2875_1         G77.TYPE OF PENSION
    E2875_2         G77.TYPE OF PENSION
    E2875_3         G77.TYPE OF PENSION
    E2877_1         G79.FORM OF CONTRIBUTION
    E2877_2         G79.FORM OF CONTRIBUTION
    E2877_3         G79.FORM OF CONTRIBUTION
    E2878_1         G79A.CONTRIBUTION-% OF PAY
    E2878_2         G79A.CONTRIBUTION-% OF PAY
    E2878_3         G79A.CONTRIBUTION-% OF PAY
    E2879_1         G79B.CONTRIBUTION-AMOUNT
    E2879_2         G79B.CONTRIBUTION-AMOUNT
    E2879_3         G79B.CONTRIBUTION-AMOUNT
    E2880_1         G79C.CONTRIBUTION-PER
    E2880_2         G79C.CONTRIBUTION-PER
    E2880_3         G79C.CONTRIBUTION-PER
    E2936_1         G95.FORM OF OWN CONTRIBUTION
    E2936_2         G95.FORM OF OWN CONTRIBUTION
    E2936_3         G95.FORM OF OWN CONTRIBUTION
    E2937_1         G95A.OWN CONTRIBUTION-%
    E2937_2         G95A.OWN CONTRIBUTION-%
    E2937_3         G95A.OWN CONTRIBUTION-%
    E2938_1         G95B.OWN CONTRIBUTION-AMOUNT
    E2938_2         G95B.OWN CONTRIBUTION-AMOUNT
    E2938_3         G95B.OWN CONTRIBUTION-AMOUNT
    E2939_1         G95C.OWN CONTRIBUTION-PER
    E2939_2         G95C.OWN CONTRIBUTION-PER
    E2939_3         G95C.OWN CONTRIBUTION-PER
HRS 1998:
    F3358           G67 BRANCHPOINT
    F3359           G67.PENSION RULES CHANGED
    F3364_1         G69.TYPE OF PENSION
    F3364_2         G69.TYPE OF PENSION
    F3364_3         G69.TYPE OF PENSION
    F3403_1         G77.TYPE OF PENSION
    F3403_2         G77.TYPE OF PENSION
    F3403_3         G77.TYPE OF PENSION
    F3405_1         G79.FORM OF CONTRIBUTION
    F3405_2         G79.FORM OF CONTRIBUTION
    F3405_3         G79.FORM OF CONTRIBUTION
    F3406_1         G79A.CONTRIBUTION-% OF PAY
    F3406_2         G79A.CONTRIBUTION-% OF PAY
    F3406_3         G79A.CONTRIBUTION-% OF PAY
    F3407_1         G79B.CONTRIBUTION-AMOUNT
    F3407_2         G79B.CONTRIBUTION-AMOUNT
    F3407_3         G79B.CONTRIBUTION-AMOUNT
    F3408_1         G79C.CONTRIBUTION-PER
    F3408_2         G79C.CONTRIBUTION-PER
    F3408_3         G79C.CONTRIBUTION-PER
    F3464_1         G95.FORM OF OWN CONTRIBUTION
    F3464_2         G95.FORM OF OWN CONTRIBUTION
    F3464_3         G95.FORM OF OWN CONTRIBUTION
    F3465_1         G95A.OWN CONTRIBUTION-%
    F3465_2         G95A.OWN CONTRIBUTION-%
    F3465_3         G95A.OWN CONTRIBUTION-%
    F3466_1         G95B.OWN CONTRIBUTION-AMOUNT
    F3466_2         G95B.OWN CONTRIBUTION-AMOUNT
    F3466_3         G95B.OWN CONTRIBUTION-AMOUNT
    F3467_1         G95C.OWN CONTRIBUTION-PER
    F3467_2         G95C.OWN CONTRIBUTION-PER
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    F3467_3         G95C.OWN CONTRIBUTION-PER
HRS 2000:
    G3618           G67Y1.G67 BRANCHPOINT
    G3619           G67.PENSION RULES CHANGED
    G3624_1         G69.TYPE OF PENSION
    G3624_2         G69.TYPE OF PENSION
    G3624_3         G69.TYPE OF PENSION
    G3624_4         G69.TYPE OF PENSION
    G3683_1         G77.TYPE OF PENSION
    G3683_2         G77.TYPE OF PENSION
    G3683_3         G77.TYPE OF PENSION
    G3683_4         G77.TYPE OF PENSION
    G3689_1         G79.FORM OF CONTRIBUTION
    G3689_2         G79.FORM OF CONTRIBUTION
    G3689_3         G79.FORM OF CONTRIBUTION
    G3689_4         G79.FORM OF CONTRIBUTION
    G3690_1         G79A.CONTRIBUTION-PCT OF PAY
    G3690_2         G79A.CONTRIBUTION-PCT OF PAY
    G3690_3         G79A.CONTRIBUTION-PCT OF PAY
    G3690_4         G79A.CONTRIBUTION-PCT OF PAY
    G3691_1         G79B.CONTRIBUTION-AMOUNT
    G3691_2         G79B.CONTRIBUTION-AMOUNT
    G3691_3         G79B.CONTRIBUTION-AMOUNT
    G3691_4         G79B.CONTRIBUTION-AMOUNT
    G3692_1         G79C.CONTRIBUTION-PER
    G3692_2         G79C.CONTRIBUTION-PER
    G3692_3         G79C.CONTRIBUTION-PER
    G3692_4         G79C.CONTRIBUTION-PER
    G3749_1         G95.FORM OF OWN CONTRIBUTION
    G3749_2         G95.FORM OF OWN CONTRIBUTION
    G3749_3         G95.FORM OF OWN CONTRIBUTION
    G3749_4         G95.FORM OF OWN CONTRIBUTION
    G3750_1         G95A.OWN CONTRIBUTION-PCT
    G3750_2         G95A.OWN CONTRIBUTION-PCT
    G3750_3         G95A.OWN CONTRIBUTION-PCT
    G3750_4         G95A.OWN CONTRIBUTION-PCT
    G3751_1         G95B.OWN CONTRIBUTION-AMOUNT
    G3751_2         G95B.OWN CONTRIBUTION-AMOUNT
    G3751_3         G95B.OWN CONTRIBUTION-AMOUNT
    G3751_4         G95B.OWN CONTRIBUTION-AMOUNT
    G3752_1         G95C.OWN CONTRIBUTION-PER
    G3752_2         G95C.OWN CONTRIBUTION-PER
    G3752_3         G95C.OWN CONTRIBUTION-PER
    G3752_4         G95C.OWN CONTRIBUTION-PER
HRS 2002:
    HJ267           J267 BRANCHPOINT
    HJ268           PENSION RULES CHANGED
    HJ272_1         TYPE OF PENSION- 1
    HJ272_2         TYPE OF PENSION- 2
    HJ272_3         TYPE OF PENSION- 3
    HJ272_4         TYPE OF PENSION- 4
    HJ281_1         CURRENTLY CONTRIBUTE- BOTH A/B PART-1
    HJ281_2         CURRENTLY CONTRIBUTE- BOTH A/B PART-2
    HJ281_3         CURRENTLY CONTRIBUTE- BOTH A/B PART-3
    HJ281_4         CURRENTLY CONTRIBUTE- BOTH A/B PART-4
    HJ282_1         CURRENTLY CONTRIB- BOTH A/B PART-PCT-1
    HJ282_2         CURRENTLY CONTRIB- BOTH A/B PART-PCT-2
    HJ282_3         CURRENTLY CONTRIB- BOTH A/B PART-PCT-3
    HJ282_4         CURRENTLY CONTRIB- BOTH A/B PART-PCT-4
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HJ283_1	CURRENTLY CONTRIB- BOTH A/B PART-AMT-1
HJ283_2	CURRENTLY CONTRIB- BOTH A/B PART-AMT-2
HJ283_3	CURRENTLY CONTRIB- BOTH A/B PART-AMT-3
HJ283_4	CURRENTLY CONTRIB- BOTH A/B PART-AMT-4
HJ284_1	CURRENT CONTRIB-BOTH A/B PART-AMT-PER-1
HJ284_2	CURREN CONTRIB-BOTH A/B PART-AMT-PER-1
HJ284_3	CURRENT CONTRIB-BOTH A/B PART-AMT-PER-3
HJ284_4	CURREN CONTRIB-BOTH A/B PART-AMT-PER-1
HJ318_1	CURRENTLY CONTRIBUTE- TYPE B ONLY-1
HJ318_2	CURRENTLY CONTRIBUTE- TYPE B ONLY-2
HJ318_3	CURRENTLY CONTRIBUTE- TYPE B ONLY-3
HJ318_4	CURRENTLY CONTRIBUTE- TYPE B ONLY-4
HJ319_1	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-1
HJ319_2	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-2
HJ319_3	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-3
HJ319_4	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-4
HJ320_1	AMT CONTRIBUTE- TYPE B ONLY-1
HJ320_2	AMT CONTRIBUTE- TYPE B ONLY-2
HJ320_3	AMT CONTRIBUTE- TYPE B ONLY-3
HJ320_4	AMT CONTRIBUTE- TYPE B ONLY-4
HJ321_1	AMT CONTRIBUTE- TYPE B ONLY- PER-1
HJ321_2	AMT CONTRIBUTE- TYPE B ONLY- PER-2
HJ321_3	AMT CONTRIBUTE- TYPE B ONLY- PER-3
HJ321_4	AMT CONTRIBUTE- TYPE B ONLY- PER-4
HJ338_1	PENSION PLAN TYPE- 1
HJ338_2	PENSION PLAN TYPE- 2
HJ338_3	PENSION PLAN TYPE- 3
HJ338_4	PENSION PLAN TYPE- 4
HJ343_1	FORM OF CONTRIBUTION-1
HJ343_2	FORM OF CONTRIBUTION-2
HJ343_3	FORM OF CONTRIBUTION-3
HJ343_4	FORM OF CONTRIBUTION-4
HJ344_1	CONTRIBUTION-PCT OF PAY-1
HJ344_2	CONTRIBUTION-PCT OF PAY-2
HJ344_3	CONTRIBUTION-PCT OF PAY-3
HJ344_4	CONTRIBUTION-PCT OF PAY-4
HJ345_1	CURRENT AMOUNT OF CONTRIBUTION-1
HJ345_2	CURRENT AMOUNT OF CONTRIBUTION-2
HJ345_3	CURRENT AMOUNT OF CONTRIBUTION-3
HJ345_4	CURRENT AMOUNT OF CONTRIBUTION-4
HJ349_1	CURRENT AMOUNT OF CONTRIBUTION PER-1
HJ349_2	CURRENT AMOUNT OF CONTRIBUTION PER-2
HJ349_3	CURRENT AMOUNT OF CONTRIBUTION PER-3
HJ349_4	CURRENT AMOUNT OF CONTRIBUTION PER-4
HJ404_1	FORM OF OWN CONTRIBUTION-1
HJ404_2	FORM OF OWN CONTRIBUTION-2
HJ404_3	FORM OF OWN CONTRIBUTION-3
HJ404_4	FORM OF OWN CONTRIBUTION-4
HJ405_1	OWN CONTRIBUTION-PCT-1
HJ405_2	OWN CONTRIBUTION-PCT-2
HJ405_3	OWN CONTRIBUTION-PCT-3
HJ405_4	OWN CONTRIBUTION-PCT-4
HJ406_1	OWN CONTRIBUTION-AMOUNT-1
HJ406_2	OWN CONTRIBUTION-AMOUNT-2
HJ406_3	OWN CONTRIBUTION-AMOUNT-3
HJ406_4	OWN CONTRIBUTION-AMOUNT-4
HJ410_1	OWN CONTRIBUTION- AMT- PER-1
HJ410_2	OWN CONTRIBUTION- AMT- PER-2
HJ410_3	OWN CONTRIBUTION- AMT- PER-3

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    HJ410_4         OWN CONTRIBUTION- AMT- PER-4
HRS 2004:
    JJ338A          PENSION PLAN TYPE- 1
    JJ338B          PENSION PLAN TYPE- 2
    JJ338C          PENSION PLAN TYPE- 3
    JJ338D          PENSION PLAN TYPE- 4
    JJ343A          FORM OF CONTRIBUTION-1
    JJ343B          FORM OF CONTRIBUTION-2
    JJ343C          FORM OF CONTRIBUTION-3
    JJ343D          FORM OF CONTRIBUTION-4
    JJ344A          CONTRIBUTION-PCT OF PAY-1
    JJ344B          CONTRIBUTION-PCT OF PAY-2
    JJ344C          CONTRIBUTION-PCT OF PAY-3
    JJ344D          CONTRIBUTION-PCT OF PAY-4
    JJ345A          CURRENT AMOUNT OF CONTRIBUTION-1
    JJ345B          CURRENT AMOUNT OF CONTRIBUTION-2
    JJ345C          CURRENT AMOUNT OF CONTRIBUTION-3
    JJ345D          CURRENT AMOUNT OF CONTRIBUTION-4
    JJ349A          CURRENT AMOUNT OF CONTRIBUTION PER-1
    JJ349B          CURRENT AMOUNT OF CONTRIBUTION PER-2
    JJ349C          CURRENT AMOUNT OF CONTRIBUTION PER-3
    JJ349D          CURRENT AMOUNT OF CONTRIBUTION PER-4
    JJ404A          FORM OF OWN CONTRIBUTION-1
    JJ404B          FORM OF OWN CONTRIBUTION-2
    JJ404C          FORM OF OWN CONTRIBUTION-3
    JJ404D          FORM OF OWN CONTRIBUTION-4
    JJ405A          OWN CONTRIBUTION-PCT-1
    JJ405B          OWN CONTRIBUTION-PCT-2
    JJ405C          OWN CONTRIBUTION-PCT-3
    JJ405D          OWN CONTRIBUTION-PCT-4
    JJ406A          OWN CONTRIBUTION-AMOUNT-1
    JJ406B          OWN CONTRIBUTION-AMOUNT-2
    JJ406C          OWN CONTRIBUTION-AMOUNT-3
    JJ406D          OWN CONTRIBUTION-AMOUNT-4
    JJ410A          OWN CONTRIBUTION- AMT- PER-1
    JJ410B          OWN CONTRIBUTION- AMT- PER-2
    JJ410C          OWN CONTRIBUTION- AMT- PER-3
    JJ410D          OWN CONTRIBUTION- AMT- PER-4
HRS 2006:
    KJ272A          TYPE OF PENSION- 1 -1
    KJ272B          TYPE OF PENSION- 1 -2
    KJ272C          TYPE OF PENSION- 1 -3
    KJ272D          TYPE OF PENSION- 1 -4
    KJ281A          CURRENTLY CONTRIBUTE- TYPE B PART -1
    KJ281B          CURRENTLY CONTRIBUTE- TYPE B PART -2
    KJ281C          CURRENTLY CONTRIBUTE- TYPE B PART -3
    KJ281D          CURRENTLY CONTRIBUTE- TYPE B PART -4
    KJ282A          CURRENTLY CONTRIB-TYPE B PART-PERCENT -1
    KJ282B          CURRENTLY CONTRIB- TYPE B PART-PERCENT-2
    KJ282C          CURRENTLY CONTRIB-TYPE B PART-PERCENT -3
    KJ282D          CURRENTLY CONTRIB- TYPE B PART-PERCENT-4
    KJ283A          CURRENTLY CONTRIBUTE-TYPE B PART- AMT -1
    KJ283B          CURRENTLY CONTRIBUTE-TYPE B PART- AMT -2
    KJ283C          CURRENTLY CONTRIBUTE- TYPE B PART- AMT-3
    KJ283D          CURRENTLY CONTRIBUTE- TYPE B PART- AMT-4
    KJ284A          CURRENTLY CONTRIB-TYPE B PART-AMT-PER -1
    KJ284B          CURRENTLY CONTRIB- TYPE B PART-AMT-PER-2
    KJ284C          CURRENTLY CONTRIB-TYPE B PART-AMT-PER -3
    KJ284D          CURRENTLY CONTRIB- TYPE B PART-AMT-PER-4
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    KJ318A          CURRENTLY CONTRIBUTE- TYPE B ONLY -1
    KJ318B          CURRENTLY CONTRIBUTE- TYPE B ONLY -2
    KJ318C          CURRENTLY CONTRIBUTE- TYPE B ONLY -3
    KJ318D          CURRENTLY CONTRIBUTE- TYPE B ONLY -4
    KJ319A          CURRENTLY CONTRIBUTE- B ONLY- PERCENT -1
    KJ319B          CURRENTLY CONTRIBUTE- B ONLY- PERCENT -2
    KJ319C          CURRENTLY CONTRIBUTE- B ONLY- PERCENT -3
    KJ319D          CURRENTLY CONTRIBUTE- B ONLY- PERCENT -4
    KJ320A          AMT CONTRIBUTE- TYPE B ONLY -1
    KJ320B          AMT CONTRIBUTE- TYPE B ONLY -2
    KJ320C          AMT CONTRIBUTE- TYPE B ONLY -3
    KJ320D          AMT CONTRIBUTE- TYPE B ONLY -4
    KJ321A          AMT CONTRIBUTE- TYPE B ONLY- PER -1
    KJ321B          AMT CONTRIBUTE- TYPE B ONLY- PER -2
    KJ321C          AMT CONTRIBUTE- TYPE B ONLY- PER -3
    KJ321D          AMT CONTRIBUTE- TYPE B ONLY- PER -4
    KJ338A          PENSION PLAN TYPE- 1
    KJ338B          PENSION PLAN TYPE- 2
    KJ338C          PENSION PLAN TYPE- 3
    KJ338D          PENSION PLAN TYPE- 4
    KJ343A          FORM OF CONTRIBUTION-1
    KJ343B          FORM OF CONTRIBUTION-2
    KJ343C          FORM OF CONTRIBUTION-3
    KJ343D          FORM OF CONTRIBUTION-4
    KJ344A          CONTRIBUTION-PCT OF PAY-1
    KJ344B          CONTRIBUTION-PCT OF PAY-2
    KJ344C          CONTRIBUTION-PCT OF PAY-3
    KJ344D          CONTRIBUTION-PCT OF PAY-4
    KJ345A          CURRENT AMOUNT OF CONTRIBUTION-1
    KJ345B          CURRENT AMOUNT OF CONTRIBUTION-2
    KJ345C          CURRENT AMOUNT OF CONTRIBUTION-3
    KJ345D          CURRENT AMOUNT OF CONTRIBUTION-4
    KJ349A          CURRENT AMOUNT OF CONTRIBUTION PER-1
    KJ349B          CURRENT AMOUNT OF CONTRIBUTION PER-2
    KJ349C          CURRENT AMOUNT OF CONTRIBUTION PER-3
    KJ349D          CURRENT AMOUNT OF CONTRIBUTION PER-4
    KJ404A          FORM OF OWN CONTRIBUTION-1
    KJ404B          FORM OF OWN CONTRIBUTION-2
    KJ404C          FORM OF OWN CONTRIBUTION-3
    KJ404D          FORM OF OWN CONTRIBUTION-4
    KJ405A          OWN CONTRIBUTION-PCT-1
    KJ405B          OWN CONTRIBUTION-PCT-2
    KJ405C          OWN CONTRIBUTION-PCT-3
    KJ405D          OWN CONTRIBUTION-PCT-4
    KJ406A          OWN CONTRIBUTION-AMOUNT-1
    KJ406B          OWN CONTRIBUTION-AMOUNT-2
    KJ406C          OWN CONTRIBUTION-AMOUNT-3
    KJ406D          OWN CONTRIBUTION-AMOUNT-4
    KJ410A          OWN CONTRIBUTION- AMT- PER-1
    KJ410B          OWN CONTRIBUTION- AMT- PER-2
    KJ410C          OWN CONTRIBUTION- AMT- PER-3
    KJ410D          OWN CONTRIBUTION- AMT- PER-4
HRS 2008:
    LJ338_1         PENSION PLAN TYPE- 1
    LJ338_2         PENSION PLAN TYPE- 2
    LJ338_3         PENSION PLAN TYPE- 3
    LJ338_4         PENSION PLAN TYPE- 4
    LJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    LJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
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    LJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    LJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    LJ404_1         FORM OF OWN CONTRIBUTION-1
    LJ404_2         FORM OF OWN CONTRIBUTION-2
    LJ404_3         FORM OF OWN CONTRIBUTION-3
    LJ404_4         FORM OF OWN CONTRIBUTION-4
    LJ405_1         OWN CONTRIBUTION-PCT-1
    LJ405_2         OWN CONTRIBUTION-PCT-2
    LJ405_3         OWN CONTRIBUTION-PCT-3
    LJ405_4         OWN CONTRIBUTION-PCT-4
    LJ406_1         OWN CONTRIBUTION-AMOUNT-1
    LJ406_2         OWN CONTRIBUTION-AMOUNT-2
    LJ406_3         OWN CONTRIBUTION-AMOUNT-3
    LJ406_4         OWN CONTRIBUTION-AMOUNT-4
    LJ410_1         OWN CONTRIBUTION- AMT- PER-1
    LJ410_2         OWN CONTRIBUTION- AMT- PER-2
    LJ410_3         OWN CONTRIBUTION- AMT- PER-3
    LJ410_4         OWN CONTRIBUTION- AMT- PER-4
    LJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    LJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    LJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    LJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
    LJ881_1         IF R CONTRIBUTES -1
    LJ881_2         IF R CONTRIBUTES -2
    LJ881_3         IF R CONTRIBUTES -3
    LJ881_4         IF R CONTRIBUTES -4
HRS 2010:
    MJ338_1         PENSION PLAN TYPE- 1
    MJ338_2         PENSION PLAN TYPE- 2
    MJ338_3         PENSION PLAN TYPE- 3
    MJ338_4         PENSION PLAN TYPE- 4
    MJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    MJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    MJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    MJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    MJ404_1         FORM OF OWN CONTRIBUTION-1
    MJ404_2         FORM OF OWN CONTRIBUTION-2
    MJ404_3         FORM OF OWN CONTRIBUTION-3
    MJ404_4         FORM OF OWN CONTRIBUTION-4
    MJ405_1         OWN CONTRIBUTION-PCT-1
    MJ405_2         OWN CONTRIBUTION-PCT-2
    MJ405_3         OWN CONTRIBUTION-PCT-3
    MJ405_4         OWN CONTRIBUTION-PCT-4
    MJ406_1         OWN CONTRIBUTION-AMOUNT-1
    MJ406_2         OWN CONTRIBUTION-AMOUNT-2
    MJ406_3         OWN CONTRIBUTION-AMOUNT-3
    MJ406_4         OWN CONTRIBUTION-AMOUNT-4
    MJ410_1         OWN CONTRIBUTION- AMT- PER-1
    MJ410_2         OWN CONTRIBUTION- AMT- PER-2
    MJ410_3         OWN CONTRIBUTION- AMT- PER-3
    MJ410_4         OWN CONTRIBUTION- AMT- PER-4
    MJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    MJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    MJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    MJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
    MJ881_1         IF R CONTRIBUTES -1
    MJ881_2         IF R CONTRIBUTES -2
    MJ881_3         IF R CONTRIBUTES -3
    MJ881_4         IF R CONTRIBUTES -4
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HRS 2012:
    NJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    NJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    NJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    NJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    NJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    NJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    NJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    NJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    NJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    NJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
    NJ2404_1        FORM OF OWN CONTRIBUTION -1_1
    NJ2404_10       FORM OF OWN CONTRIBUTION -1_10
    NJ2404_2        FORM OF OWN CONTRIBUTION -1_2
    NJ2404_3        FORM OF OWN CONTRIBUTION -1_3
    NJ2404_4        FORM OF OWN CONTRIBUTION -1_4
    NJ2404_5        FORM OF OWN CONTRIBUTION -1_5
    NJ2404_6        FORM OF OWN CONTRIBUTION -1_6
    NJ2404_7        FORM OF OWN CONTRIBUTION -1_7
    NJ2404_8        FORM OF OWN CONTRIBUTION -1_8
    NJ2404_9        FORM OF OWN CONTRIBUTION -1_9
    NJ2405_1        PCT-OWN CONTRIBUTION -1_1
    NJ2405_10       PCT-OWN CONTRIBUTION -1_10
    NJ2405_2        PCT-OWN CONTRIBUTION -1_2
    NJ2405_3        PCT-OWN CONTRIBUTION -1_3
    NJ2405_4        PCT-OWN CONTRIBUTION -1_4
    NJ2405_5        PCT-OWN CONTRIBUTION -1_5
    NJ2405_6        PCT-OWN CONTRIBUTION -1_6
    NJ2405_7        PCT-OWN CONTRIBUTION -1_7
    NJ2405_8        PCT-OWN CONTRIBUTION -1_8
    NJ2405_9        PCT-OWN CONTRIBUTION -1_9
    NJ2406_1        AMT-OWN CONTRIBUTION -1_1
    NJ2406_10       AMT-OWN CONTRIBUTION -1_10
    NJ2406_2        AMT-OWN CONTRIBUTION -1_2
    NJ2406_3        AMT-OWN CONTRIBUTION -1_3
    NJ2406_4        AMT-OWN CONTRIBUTION -1_4
    NJ2406_5        AMT-OWN CONTRIBUTION -1_5
    NJ2406_6        AMT-OWN CONTRIBUTION -1_6
    NJ2406_7        AMT-OWN CONTRIBUTION -1_7
    NJ2406_8        AMT-OWN CONTRIBUTION -1_8
    NJ2406_9        AMT-OWN CONTRIBUTION -1_9
    NJ2410_1        AMT-OWN CONTRIBUTION - PER -1_1
    NJ2410_10       AMT-OWN CONTRIBUTION - PER -1_10
    NJ2410_2        AMT-OWN CONTRIBUTION - PER -1_2
    NJ2410_3        AMT-OWN CONTRIBUTION - PER -1_3
    NJ2410_4        AMT-OWN CONTRIBUTION - PER -1_4
    NJ2410_5        AMT-OWN CONTRIBUTION - PER -1_5
    NJ2410_6        AMT-OWN CONTRIBUTION - PER -1_6
    NJ2410_7        AMT-OWN CONTRIBUTION - PER -1_7
    NJ2410_8        AMT-OWN CONTRIBUTION - PER -1_8
    NJ2410_9        AMT-OWN CONTRIBUTION - PER -1_9
    NJ2881_1        R CONTRIBUTE TO PLAN -1_1
    NJ2881_10       R CONTRIBUTE TO PLAN -1_10
    NJ2881_2        R CONTRIBUTE TO PLAN -1_2
    NJ2881_3        R CONTRIBUTE TO PLAN -1_3
    NJ2881_4        R CONTRIBUTE TO PLAN -1_4
    NJ2881_5        R CONTRIBUTE TO PLAN -1_5
    NJ2881_6        R CONTRIBUTE TO PLAN -1_6
    NJ2881_7        R CONTRIBUTE TO PLAN -1_7
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    NJ2881_8        R CONTRIBUTE TO PLAN -1_8
    NJ2881_9        R CONTRIBUTE TO PLAN -1_9
HRS 2014:
    OJ2338_1        PENSION PLAN TYPE-DB OR DC_1
    OJ2338_10       PENSION PLAN TYPE-DB OR DC_10
    OJ2338_2        PENSION PLAN TYPE-DB OR DC_2
    OJ2338_3        PENSION PLAN TYPE-DB OR DC_3
    OJ2338_4        PENSION PLAN TYPE-DB OR DC_4
    OJ2338_5        PENSION PLAN TYPE-DB OR DC_5
    OJ2338_6        PENSION PLAN TYPE-DB OR DC_6
    OJ2338_7        PENSION PLAN TYPE-DB OR DC_7
    OJ2338_8        PENSION PLAN TYPE-DB OR DC_8
    OJ2338_9        PENSION PLAN TYPE-DB OR DC_9
    OJ2404_1        FORM OF OWN CONTRIBUTION_1
    OJ2404_10       FORM OF OWN CONTRIBUTION_10
    OJ2404_2        FORM OF OWN CONTRIBUTION_2
    OJ2404_3        FORM OF OWN CONTRIBUTION_3
    OJ2404_4        FORM OF OWN CONTRIBUTION_4
    OJ2404_5        FORM OF OWN CONTRIBUTION_5
    OJ2404_6        FORM OF OWN CONTRIBUTION_6
    OJ2404_7        FORM OF OWN CONTRIBUTION_7
    OJ2404_8        FORM OF OWN CONTRIBUTION_8
    OJ2404_9        FORM OF OWN CONTRIBUTION_9
    OJ2405_1        PCT-OWN CONTRIBUTION_1
    OJ2405_10       PCT-OWN CONTRIBUTION_10
    OJ2405_2        PCT-OWN CONTRIBUTION_2
    OJ2405_3        PCT-OWN CONTRIBUTION_3
    OJ2405_4        PCT-OWN CONTRIBUTION_4
    OJ2405_5        PCT-OWN CONTRIBUTION_5
    OJ2405_6        PCT-OWN CONTRIBUTION_6
    OJ2405_7        PCT-OWN CONTRIBUTION_7
    OJ2405_8        PCT-OWN CONTRIBUTION_8
    OJ2405_9        PCT-OWN CONTRIBUTION_9
    OJ2406_1        AMT-OWN CONTRIBUTION_1
    OJ2406_10       AMT-OWN CONTRIBUTION_10
    OJ2406_2        AMT-OWN CONTRIBUTION_2
    OJ2406_3        AMT-OWN CONTRIBUTION_3
    OJ2406_4        AMT-OWN CONTRIBUTION_4
    OJ2406_5        AMT-OWN CONTRIBUTION_5
    OJ2406_6        AMT-OWN CONTRIBUTION_6
    OJ2406_7        AMT-OWN CONTRIBUTION_7
    OJ2406_8        AMT-OWN CONTRIBUTION_8
    OJ2406_9        AMT-OWN CONTRIBUTION_9
    OJ2410_1        AMT-OWN CONTRIBUTION - PER_1
    OJ2410_10       AMT-OWN CONTRIBUTION - PER_10
    OJ2410_2        AMT-OWN CONTRIBUTION - PER_2
    OJ2410_3        AMT-OWN CONTRIBUTION - PER_3
    OJ2410_4        AMT-OWN CONTRIBUTION - PER_4
    OJ2410_5        AMT-OWN CONTRIBUTION - PER_5
    OJ2410_6        AMT-OWN CONTRIBUTION - PER_6
    OJ2410_7        AMT-OWN CONTRIBUTION - PER_7
    OJ2410_8        AMT-OWN CONTRIBUTION - PER_8
    OJ2410_9        AMT-OWN CONTRIBUTION - PER_9
    OJ2881_1        R CONTRIBUTE TO PLAN_1
    OJ2881_10       R CONTRIBUTE TO PLAN_10
    OJ2881_2        R CONTRIBUTE TO PLAN_2
    OJ2881_3        R CONTRIBUTE TO PLAN_3
    OJ2881_4        R CONTRIBUTE TO PLAN_4
    OJ2881_5        R CONTRIBUTE TO PLAN_5
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OJ2881_6        R CONTRIBUTE TO PLAN_6
OJ2881_7        R CONTRIBUTE TO PLAN_7
OJ2881_8        R CONTRIBUTE TO PLAN_8
OJ2881_9        R CONTRIBUTE TO PLAN_9
OJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
OJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
OJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
OJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
OJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
OJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
OJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
OJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
OJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
OJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
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Respondent's Defined Contribution Plan balance from Current Job

Wave	Variable	Label	Type
1	R1DCBAL1	R1DCBAL1:W1 Current balance of DC plan #1	Cont
2	R2DCBAL1	R2DCBAL1:W2 Current balance of DC plan #1	Cont
3	R3DCBAL1	R3DCBAL1:W3 Current balance of DC plan #1	Cont
4	R4DCBAL1	R4DCBAL1:W4 Current balance of DC plan #1	Cont
5	R5DCBAL1	R5DCBAL1:W5 Current balance of DC plan #1	Cont
6	R6DCBAL1	R6DCBAL1:W6 Current balance of DC plan #1	Cont
7	R7DCBAL1	R7DCBAL1:W7 Current balance of DC plan #1	Cont
8	R8DCBAL1	R8DCBAL1:W8 Current balance of DC plan #1	Cont
9	R9DCBAL1	R9DCBAL1:W9 Current balance of DC plan #1	Cont
10	R10DCBAL1	R10DCBAL1:W10 Current balance of DC plan #1	Cont
11	R11DCBAL1	R11DCBAL1:W11 Current balance of DC plan #1	Cont
12	R12DCBAL1	R12DCBAL1:W12 Current balance of DC plan #1	Cont
1	S1DCBAL1	S1DCBAL1:W1 Current balance of DC plan #1	Cont
2	S2DCBAL1	S2DCBAL1:W2 Current balance of DC plan #1	Cont
3	S3DCBAL1	S3DCBAL1:W3 Current balance of DC plan #1	Cont
4	S4DCBAL1	S4DCBAL1:W4 Current balance of DC plan #1	Cont
5	S5DCBAL1	S5DCBAL1:W5 Current balance of DC plan #1	Cont
6	S6DCBAL1	S6DCBAL1:W6 Current balance of DC plan #1	Cont
7	S7DCBAL1	S7DCBAL1:W7 Current balance of DC plan #1	Cont
8	S8DCBAL1	S8DCBAL1:W8 Current balance of DC plan #1	Cont
9	S9DCBAL1	S9DCBAL1:W9 Current balance of DC plan #1	Cont
10	S10DCBAL1	S10DCBAL1:W10 Current balance of DC plan #1	Cont
11	S11DCBAL1	S11DCBAL1:W11 Current balance of DC plan #1	Cont
12	S12DCBAL1	S12DCBAL1:W12 Current balance of DC plan #1	Cont
1	R1DCBAL2	R1DCBAL2:W1 Current balance of DC plan #2	Cont
2	R2DCBAL2	R2DCBAL2:W2 Current balance of DC plan #2	Cont
3	R3DCBAL2	R3DCBAL2:W3 Current balance of DC plan #2	Cont
4	R4DCBAL2	R4DCBAL2:W4 Current balance of DC plan #2	Cont
5	R5DCBAL2	R5DCBAL2:W5 Current balance of DC plan #2	Cont
6	R6DCBAL2	R6DCBAL2:W6 Current balance of DC plan #2	Cont
7	R7DCBAL2	R7DCBAL2:W7 Current balance of DC plan #2	Cont
8	R8DCBAL2	R8DCBAL2:W8 Current balance of DC plan #2	Cont
9	R9DCBAL2	R9DCBAL2:W9 Current balance of DC plan #2	Cont
10	R10DCBAL2	R10DCBAL2:W10 Current balance of DC plan #2	Cont
11	R11DCBAL2	R11DCBAL2:W11 Current balance of DC plan #2	Cont
12	R12DCBAL2	R12DCBAL2:W12 Current balance of DC plan #2	Cont
1	S1DCBAL2	S1DCBAL2:W1 Current balance of DC plan #2	Cont
2	S2DCBAL2	S2DCBAL2:W2 Current balance of DC plan #2	Cont
3	S3DCBAL2	S3DCBAL2:W3 Current balance of DC plan #2	Cont
4	S4DCBAL2	S4DCBAL2:W4 Current balance of DC plan #2	Cont
5	S5DCBAL2	S5DCBAL2:W5 Current balance of DC plan #2	Cont
6	S6DCBAL2	S6DCBAL2:W6 Current balance of DC plan #2	Cont
7	S7DCBAL2	S7DCBAL2:W7 Current balance of DC plan #2	Cont
8	S8DCBAL2	S8DCBAL2:W8 Current balance of DC plan #2	Cont
9	S9DCBAL2	S9DCBAL2:W9 Current balance of DC plan #2	Cont
10	S10DCBAL2	S10DCBAL2:W10 Current balance of DC plan #2	Cont
11	S11DCBAL2	S11DCBAL2:W11 Current balance of DC plan #2	Cont
12	S12DCBAL2	S12DCBAL2:W12 Current balance of DC plan #2	Cont
1	R1DCBAL3	R1DCBAL3:W1 Current balance of DC plan #3	Cont
2	R2DCBAL3	R2DCBAL3:W2 Current balance of DC plan #3	Cont
3	R3DCBAL3	R3DCBAL3:W3 Current balance of DC plan #3	Cont
4	R4DCBAL3	R4DCBAL3:W4 Current balance of DC plan #3	Cont
5	R5DCBAL3	R5DCBAL3:W5 Current balance of DC plan #3	Cont
6	R6DCBAL3	R6DCBAL3:W6 Current balance of DC plan #3	Cont
7	R7DCBAL3	R7DCBAL3:W7 Current balance of DC plan #3	Cont
8	R8DCBAL3	R8DCBAL3:W8 Current balance of DC plan #3	Cont
9	R9DCBAL3	R9DCBAL3:W9 Current balance of DC plan #3	Cont
10	R10DCBAL3	R10DCBAL3:W10 Current balance of DC plan #3	Cont
11	R11DCBAL3	R11DCBAL3:W11 Current balance of DC plan #3	Cont
12	R12DCBAL3	R12DCBAL3:W12 Current balance of DC plan #3	Cont
1	S1DCBAL3	S1DCBAL3:W1 Current balance of DC plan #3	Cont

2	S2DCBAL3	S2DCBAL3:W2 Current balance of DC plan #3	Cont
3	S3DCBAL3	S3DCBAL3:W3 Current balance of DC plan #3	Cont
4	S4DCBAL3	S4DCBAL3:W4 Current balance of DC plan #3	Cont
5	S5DCBAL3	S5DCBAL3:W5 Current balance of DC plan #3	Cont
6	S6DCBAL3	S6DCBAL3:W6 Current balance of DC plan #3	Cont
7	S7DCBAL3	S7DCBAL3:W7 Current balance of DC plan #3	Cont
8	S8DCBAL3	S8DCBAL3:W8 Current balance of DC plan #3	Cont
9	S9DCBAL3	S9DCBAL3:W9 Current balance of DC plan #3	Cont
10	S10DCBAL3	S10DCBAL3:W10 Current balance of DC plan #3	Cont
11	S11DCBAL3	S11DCBAL3:W11 Current balance of DC plan #3	Cont
12	S12DCBAL3	S12DCBAL3:W12 Current balance of DC plan #3	Cont
5	R5DCBAL4	R5DCBAL4:W5 Current balance of DC plan #4	Cont
6	R6DCBAL4	R6DCBAL4:W6 Current balance of DC plan #4	Cont
7	R7DCBAL4	R7DCBAL4:W7 Current balance of DC plan #4	Cont
8	R8DCBAL4	R8DCBAL4:W8 Current balance of DC plan #4	Cont
9	R9DCBAL4	R9DCBAL4:W9 Current balance of DC plan #4	Cont
10	R10DCBAL4	R10DCBAL4:W10 Current balance of DC plan #4	Cont
11	R11DCBAL4	R11DCBAL4:W11 Current balance of DC plan #4	Cont
12	R12DCBAL4	R12DCBAL4:W12 Current balance of DC plan #4	Cont
5	S5DCBAL4	S5DCBAL4:W5 Current balance of DC plan #4	Cont
6	S6DCBAL4	S6DCBAL4:W6 Current balance of DC plan #4	Cont
7	S7DCBAL4	S7DCBAL4:W7 Current balance of DC plan #4	Cont
8	S8DCBAL4	S8DCBAL4:W8 Current balance of DC plan #4	Cont
9	S9DCBAL4	S9DCBAL4:W9 Current balance of DC plan #4	Cont
10	S10DCBAL4	S10DCBAL4:W10 Current balance of DC plan #4	Cont
11	S11DCBAL4	S11DCBAL4:W11 Current balance of DC plan #4	Cont
12	S12DCBAL4	S12DCBAL4:W12 Current balance of DC plan #4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCBAL1	1102	39879.80	96049.58	0.0	1200000.0
R2DCBAL1	1089	74139.02	531098.58	0.0	9999994.0
R3DCBAL1	1163	59678.41	219026.80	0.0	6000000.0
R4DCBAL1	1428	82519.33	364845.85	0.0	12000000.0
R5DCBAL1	1203	92178.85	213485.54	0.0	2220000.0
R6DCBAL1	893	102251.23	393661.46	0.0	10000000.0
R7DCBAL1	1364	86394.98	193456.02	0.0	3000000.0
R8DCBAL1	1118	113716.54	495969.73	0.0	15000000.0
R9DCBAL1	1032	122755.09	262342.50	0.0	5000000.0
R10DCBAL1	1554	108704.60	199109.68	0.0	2500000.0
R11DCBAL1	1629	115601.31	410335.16	0.0	10000000.0
R12DCBAL1	1468	128362.35	340926.42	0.0	9000000.0
S1DCBAL1	879	40708.85	94694.96	0.0	1200000.0
S2DCBAL1	864	83407.86	594655.61	0.0	9999994.0
S3DCBAL1	914	62555.27	240236.82	0.0	6000000.0
S4DCBAL1	1137	90819.84	405003.18	0.0	12000000.0
S5DCBAL1	920	101491.81	231700.36	0.0	2220000.0
S6DCBAL1	688	111751.89	427687.39	0.0	10000000.0
S7DCBAL1	1048	92434.64	204426.85	0.0	3000000.0
S8DCBAL1	854	127425.23	561420.78	0.0	15000000.0
S9DCBAL1	796	135113.33	287579.76	0.0	5000000.0
S10DCBAL1	1132	117244.86	214237.81	0.0	2500000.0
S11DCBAL1	1202	118269.63	370346.52	0.0	10000000.0
S12DCBAL1	1082	136886.32	375485.34	0.0	9000000.0
R1DCBAL2	773	36920.65	69031.82	0.0	1250000.0

R2DCBAL2	357	43989.55	69614.79	0.0	500000.0
R3DCBAL2	335	63679.33	335073.21	0.0	6000000.0
R4DCBAL2	469	66757.22	126351.17	0.0	1200000.0
R5DCBAL2	333	64771.63	131017.23	0.0	1300000.0
R6DCBAL2	235	87367.75	152287.33	0.0	1600000.0
R7DCBAL2	479	69110.83	107791.86	0.0	900000.0
R8DCBAL2	276	128644.58	673815.53	0.0	11000000.0
R9DCBAL2	340	104880.76	170804.06	0.0	1400000.0
R10DCBAL2	579	101846.42	176314.64	0.0	1976000.0
R11DCBAL2	415	117421.38	160025.37	100.0	1200000.0
R12DCBAL2	376	162990.50	236665.19	0.0	1900000.0
S1DCBAL2	628	37477.02	71721.80	0.0	1250000.0
S2DCBAL2	286	46462.12	71038.95	0.0	500000.0
S3DCBAL2	264	69173.39	375428.71	0.0	6000000.0
S4DCBAL2	378	66611.60	120857.76	0.0	1200000.0
S5DCBAL2	250	65995.42	127431.15	0.0	1300000.0
S6DCBAL2	184	99026.38	167311.73	0.0	1600000.0
S7DCBAL2	368	71529.84	104650.93	0.0	900000.0
S8DCBAL2	211	144209.64	764504.68	0.0	11000000.0
S9DCBAL2	262	113253.89	184374.69	0.0	1400000.0
S10DCBAL2	426	109619.16	192506.26	0.0	1976000.0
S11DCBAL2	301	131313.27	173632.68	100.0	1200000.0
S12DCBAL2	280	186651.60	257898.65	0.0	1900000.0
R1DCBAL3	109	42713.68	91826.49	180.0	600000.0
R2DCBAL3	51	10913.94	24315.81	0.0	100000.0
R3DCBAL3	44	196836.39	922769.62	0.0	6000000.0
R4DCBAL3	53	41771.92	61065.59	0.0	275000.0
R5DCBAL3	30	84635.00	207021.93	0.0	1000000.0
R6DCBAL3	18	54041.11	97113.64	1000.0	400000.0
R7DCBAL3	65	44109.85	55690.25	0.0	300000.0
R8DCBAL3	26	73984.62	102488.94	0.0	425000.0
R9DCBAL3	38	69018.26	107952.85	500.0	575000.0
R10DCBAL3	78	82667.79	219552.22	0.0	1796000.0
R11DCBAL3	66	146038.24	279371.11	300.0	2000000.0
R12DCBAL3	60	115071.28	191278.38	149.0	1300000.0
S1DCBAL3	87	44443.57	94282.06	180.0	600000.0
S2DCBAL3	44	11275.25	25998.09	0.0	100000.0
S3DCBAL3	40	213245.03	967285.28	0.0	6000000.0
S4DCBAL3	45	45849.27	65070.66	0.0	275000.0
S5DCBAL3	18	126075.00	260772.20	0.0	1000000.0
S6DCBAL3	15	62182.67	104905.98	1500.0	400000.0
S7DCBAL3	51	45773.33	52890.99	0.0	300000.0
S8DCBAL3	21	80361.90	112064.19	0.0	425000.0
S9DCBAL3	31	77709.48	117576.48	500.0	575000.0
S10DCBAL3	60	98380.73	246590.42	0.0	1796000.0
S11DCBAL3	51	148988.24	306532.60	300.0	2000000.0
S12DCBAL3	43	126692.44	217090.43	149.0	1300000.0
R5DCBAL4	7	87428.57	144328.61	1000.0	400000.0
R6DCBAL4	1	400000.00		400000.0	400000.0
R7DCBAL4	16	44371.75	40222.50	5.0	130000.0
R8DCBAL4	1	100000.00		100000.0	100000.0
R9DCBAL4	4	301250.25	475050.22	1.0	1000000.0
R10DCBAL4	7	404219.57	661244.24	3500.0	1796000.0
R11DCBAL4	8	96523.00	160764.90	4000.0	450000.0
R12DCBAL4	8	67000.00	70270.90	4000.0	185000.0

S5DCBAL4	6	100333.33	153616.48	1000.0	400000.0
S6DCBAL4	1	400000.00		400000.0	400000.0
S7DCBAL4	14	46567.71	42503.98	5.0	130000.0
S8DCBAL4	1	100000.00		100000.0	100000.0
S9DCBAL4	3	401666.67	527264.96	5000.0	1000000.0
S10DCBAL4	5	563807.40	737862.24	41000.0	1796000.0
S11DCBAL4	6	89864.00	176809.92	4000.0	450000.0
S12DCBAL4	6	54333.33	59858.72	4000.0	150000.0

How Constructed

RwDCBAL1, RwDCBAL2, RwDCBAL3 and RwDCBAL4 indicate the amount in nominal dollars that the Respondent currently has in a defined contribution pension plan account from her/his current, primary employer. Before Wave 5, account balances may be reported for up to 3 plans. From Wave 5 through Wave 10, account balances may be reported for up to 4 plans. From Wave 11 on, Respondents may report information on up to 10 plans, but we are limiting the RAND HRS to the first four active plans as they appear in the data, to align with previous waves. SwDCBAL1, SwDCBAL2, SwDCBAL3 and SwDCBAL4 provide the information for the Respondent's spouse or partner.

If the Respondent is included in a pension in her/his current job, then s/he is asked for the type of plan. In Waves 1-8 and 11, account balances are reported for Respondents who indicate a plan type of Type B or both. In Waves 9-10, dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or both and have a high level of confidence in their plan type selection. In all Waves, Respondents who indicate a plan type of Type A (defined benefit), or who do not know or refuse to disclose the plan type are set to .B.

If the account balance is missing, the variables are recoded. RwDCBALx is set to .Q for defined contribution plans if the questions were not asked of any Respondent in a given wave (e.g., Respondents to Wave 2A). If the questions are skipped because the Respondent does not have the pension, the variables are set to .S (e.g., if the Respondent has one pension, RwDCBAL2, RwDCBAL3, and from Wave 5 on, RwDCBAL4 equal .S). RwDCBALx is also set to .S if the Respondent does not have a pension on the current job, or did not provide a number of pensions in waves prior to 11. RwDCBALx is set .W if the Respondent is not working.

Please note that the high maximum values come directly from HRS raw variables. For example, R8DCBAL1=15,000,000 was reported in KJ307A.

Cross Wave Differences in Original HRS Data

In Waves 1-8 and 11, account balances of a defined contribution plan are calculated for Respondents who indicate a plan type equal to Type B or Both. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or Both where Respondents have a high level of confidence in their plan type selection.

In Waves 1-10, the wording of the question varies depending on the plan type indicated. Respondents who indicate a Type B plan are asked, "How much money is in your account at present?", whereas Respondents who indicate a plan type of both are asked, "For that part of your plan where money is accumulated in an account, how much is in the account at present?" In Wave 11, for all Respondents, the wording of the question is, "How much is in the [Insert Plan Name] account now?"

Questions are not asked in Wave 2A. All variables are set to .Q.

In Wave 2H, eight separate questions are asked, depending on whether the Respondent is employed by a firm or self-employed, the plan type is Type B or both, and whether the plan is newly reported or the rules have changed, or if it has been previously reported and there have been no rules changes.

In Wave 3A, questions are asked separately for those employed by a firm and the self-employed. Respondents who work at a firm are asked to report on account balances for up to three plans. The self-employed are asked to report on only one plan.

In Waves 3H, 4-6, and 8, Respondents are asked one of four account balance questions depending on plan type and whether the plan is newly or previously reported.

In Waves 9 and 10, only one account balance question is asked of all Respondents, but the wording of the question varies based on plan type, as described above.

Beginning in Wave 5, a fourth plan is added if the Respondent reports having at least four plans.

Prior to Wave 11, the Respondent was asked to list his/her pensions in order of importance. In Wave 11, due to the questionnaire change, the Respondent answers questions about all their pensions, with no regard to importance. We report account balances for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

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HRS 1992:
    V2909           F39:P1-TYPE OF PLAN
    V2910           F40:P1-MNY IN ACCT NOW:$
    V2940           F58:TB/P1:$ IN ACCT
    V3009           F39:P2-TYPE OF PLAN
    V3010           F40:P2-MNY IN ACCT NOW:$
    V3040           F58:TB/P2:$ IN ACCT
    V3109           F39:P3-TYPE OF PLAN
    V3110           F40:P3-MNY IN ACCT NOW:$
    V3140           F58:TB/P3:$ IN ACCT
HRS 1994:
    W3712           1. FA65.TYPE OF PENSION
    W3713           1. FA66.AMOUNT IN ACCOUN
    W3723           1. FA70.AMOUNT IN ACCOUN
    W3724           2. FA65.TYPE OF PENSION
    W3735           2. FA70.AMOUNT IN ACCOUN
    W3736           3. FA65.TYPE OF PENSION
    W3747           3  FA70.AMOUNT IN PRESEN
    W3757           1. FA74.AMOUNT IN ACCOUN
    W3797           1. FA92.AMOUNT IN ACCOUN
    W3809           2. FA74.AMOUNT IN ACCOUN
    W3849           2. FA92.AMOUNT IN ACCOUN
    W3861           3. FA74.AMOUNT IN ACCOUN
    W3901           3. FA92.AMOUNT IN ACCOUN
    W4378           1. FB29.TYPE OF RETIREME
    W4379           1. FB30.AMOUNT IN ACCOUN
    W4389           1. FB34.AMOUNT IN ACCOUN
    W4390           2. FB29.TYPE OF RETIREME
    W4391           2. FB30.AMOUNT IN ACCOUN
    W4401           2. FB34.AMOUNT IN ACCOUN
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    W4402           3. FB29.TYPE OF RETIREME
    W4403           3. FB30.AMOUNT IN PENSIO
    W4413           3. FB34.AMOUNT IN ACCOUN
    W4416           1. FB38.AMOUNT IN ACCOUN
    W4456           1. FB56.AMOUNT IN ACCOUN
    W4468           2. FB38.AMOUNT IN ACCOUN
    W4508           2. FB56.AMOUNT IN ACCOUN
    W4520           3. FB38.AMOUNT IN ACCOUN
    W4560           3. FB56.AMOUNT IN ACCOUN
AHEAD 1995:
    D2969_1         GA73. TYPE PENSION
    D2969_2         GA73. TYPE PENSION
    D2969_3         GA73. TYPE PENSION
    D2970_1         GA74. AMOUNT PENSION ACCOUNT
    D2970_2         GA74. AMOUNT PENSION ACCOUNT
    D2970_3         GA74. AMOUNT PENSION ACCOUNT
    D3037_1         GA92. AMOUNT DC ACCOUNT
    D3037_2         GA92. AMOUNT DC ACCOUNT
    D3037_3         GA92. AMOUNT DC ACCOUNT
    D3330_1         GB37. TYPE PENSION
    D3331_1         GB38. AMOUNT PENSION ACCOUNT
    D3401_1         GB56. AMOUNT DC ACCOUNT
HRS 1996:
    E2840_1         G69.TYPE OF PENSION
    E2840_2         G69.TYPE OF PENSION
    E2840_3         G69.TYPE OF PENSION
    E2841_1         G70.AMOUNT IN ACCOUNT PRESENTLY
    E2841_2         G70.AMOUNT IN ACCOUNT PRESENTLY
    E2841_3         G70.AMOUNT IN ACCOUNT PRESENTLY
    E2856_1         G74.AMOUNT IN ACCOUNT PRESENTLY
    E2856_2         G74.AMOUNT IN ACCOUNT PRESENTLY
    E2856_3         G74.AMOUNT IN ACCOUNT PRESENTLY
    E2875_1         G77.TYPE OF PENSION
    E2875_2         G77.TYPE OF PENSION
    E2875_3         G77.TYPE OF PENSION
    E2876_1         G78.AMOUNT IN ACCOUNT PRESENTLY
    E2876_2         G78.AMOUNT IN ACCOUNT PRESENTLY
    E2876_3         G78.AMOUNT IN ACCOUNT PRESENTLY
    E2942_1         G96.AMOUNT IN ACCOUNT PRESENTLY
    E2942_2         G96.AMOUNT IN ACCOUNT PRESENTLY
    E2942_3         G96.AMOUNT IN ACCOUNT PRESENTLY
HRS 1998:
    F3364_1         G69.TYPE OF PENSION
    F3364_2         G69.TYPE OF PENSION
    F3364_3         G69.TYPE OF PENSION
    F3365_1         G70.AMOUNT IN ACCOUNT PRESENTLY
    F3365_2         G70.AMOUNT IN ACCOUNT PRESENTLY
    F3365_3         G70.AMOUNT IN ACCOUNT PRESENTLY
    F3383_1         G74.AMOUNT IN ACCOUNT PRESENTLY
    F3383_2         G74.AMOUNT IN ACCOUNT PRESENTLY
    F3383_3         G74.AMOUNT IN ACCOUNT PRESENTLY
    F3403_1         G77.TYPE OF PENSION
    F3403_2         G77.TYPE OF PENSION
    F3403_3         G77.TYPE OF PENSION
    F3404_1         G78.AMOUNT IN ACCOUNT PRESENTLY
    F3404_2         G78.AMOUNT IN ACCOUNT PRESENTLY
    F3404_3         G78.AMOUNT IN ACCOUNT PRESENTLY
    F3470_1         G96.AMOUNT IN ACCOUNT PRESENTLY
    F3470_2         G96.AMOUNT IN ACCOUNT PRESENTLY
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    F3470_3         G96.AMOUNT IN ACCOUNT PRESENTLY
HRS 2000:
    G3624_1         G69.TYPE OF PENSION
    G3624_2         G69.TYPE OF PENSION
    G3624_3         G69.TYPE OF PENSION
    G3624_4         G69.TYPE OF PENSION
    G3625_1         G70.AMOUNT IN ACCOUNT PRESENTLY
    G3625_2         G70.AMOUNT IN ACCOUNT PRESENTLY
    G3625_3         G70.AMOUNT IN ACCOUNT PRESENTLY
    G3625_4         G70.AMOUNT IN ACCOUNT PRESENTLY
    G3643_1         G74.AMOUNT IN ACCOUNT PRESENTLY
    G3643_2         G74.AMOUNT IN ACCOUNT PRESENTLY
    G3643_3         G74.AMOUNT IN ACCOUNT PRESENTLY
    G3643_4         G74.AMOUNT IN ACCOUNT PRESENTLY
    G3683_1         G77.TYPE OF PENSION
    G3683_2         G77.TYPE OF PENSION
    G3683_3         G77.TYPE OF PENSION
    G3683_4         G77.TYPE OF PENSION
    G3684_1         G78.AMOUNT IN ACCOUNT PRESENTLY
    G3684_2         G78.AMOUNT IN ACCOUNT PRESENTLY
    G3684_3         G78.AMOUNT IN ACCOUNT PRESENTLY
    G3684_4         G78.AMOUNT IN ACCOUNT PRESENTLY
    G3755_1         G96.AMOUNT IN ACCOUNT PRESENTLY
    G3755_2         G96.AMOUNT IN ACCOUNT PRESENTLY
    G3755_3         G96.AMOUNT IN ACCOUNT PRESENTLY
    G3755_4         G96.AMOUNT IN ACCOUNT PRESENTLY
HRS 2002:
    HJ272_1         TYPE OF PENSION- 1
    HJ272_2         TYPE OF PENSION- 2
    HJ272_3         TYPE OF PENSION- 3
    HJ272_4         TYPE OF PENSION- 4
    HJ273_1         AMT IN PENSION ACCOUNT-BOTH A/B-1
    HJ273_2         AMT IN PENSION ACCOUNT-BOTH A/B-2
    HJ273_3         AMT IN PENSION ACCOUNT-BOTH A/B-3
    HJ273_4         AMT IN PENSION ACCOUNT-BOTH A/B-4
    HJ307_1         AMT IN PENSION ACCOUNT- TYPE B ONLY-1
    HJ307_2         AMT IN PENSION ACCOUNT- TYPE B ONLY-2
    HJ307_3         AMT IN PENSION ACCOUNT- TYPE B ONLY-3
    HJ307_4         AMT IN PENSION ACCOUNT- TYPE B ONLY-4
    HJ338_1         PENSION PLAN TYPE- 1
    HJ338_2         PENSION PLAN TYPE- 2
    HJ338_3         PENSION PLAN TYPE- 3
    HJ338_4         PENSION PLAN TYPE- 4
    HJ339_1         AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-1
    HJ339_2         AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-2
    HJ339_3         AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-3
    HJ339_4         AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-4
    HJ413_1         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
    HJ413_2         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
    HJ413_3         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
    HJ413_4         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
HRS 2004:
    JJ338A          PENSION PLAN TYPE- 1
    JJ338B          PENSION PLAN TYPE- 2
    JJ338C          PENSION PLAN TYPE- 3
    JJ338D          PENSION PLAN TYPE- 4
    JJ339A          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-1
    JJ339B          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-2
    JJ339C          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-3
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    JJ339D          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-4
    JJ413A          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
    JJ413B          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
    JJ413C          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
    JJ413D          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
HRS 2006:
    KJ272A          TYPE OF PENSION- 1 -1
    KJ272B          TYPE OF PENSION- 1 -2
    KJ272C          TYPE OF PENSION- 1 -3
    KJ272D          TYPE OF PENSION- 1 -4
    KJ273A          AMOUNT IN PENSION ACCOUNT-TYPE B PART -1
    KJ273B          AMOUNT IN PENSION ACCOUNT-TYPE B PART -2
    KJ273C          AMOUNT IN PENSION ACCOUNT-TYPE B PART -3
    KJ273D          AMOUNT IN PENSION ACCOUNT-TYPE B PART -4
    KJ307A          AMT IN PENSION ACCOUNT- TYPE B ONLY -1
    KJ307B          AMT IN PENSION ACCOUNT- TYPE B ONLY -2
    KJ307C          AMT IN PENSION ACCOUNT- TYPE B ONLY -3
    KJ307D          AMT IN PENSION ACCOUNT- TYPE B ONLY -4
    KJ338A          PENSION PLAN TYPE- 1
    KJ338B          PENSION PLAN TYPE- 2
    KJ338C          PENSION PLAN TYPE- 3
    KJ338D          PENSION PLAN TYPE- 4
    KJ339A          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-1
    KJ339B          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-2
    KJ339C          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-3
    KJ339D          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-4
    KJ413A          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
    KJ413B          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
    KJ413C          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
    KJ413D          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
HRS 2008:
    LJ338_1         PENSION PLAN TYPE- 1
    LJ338_2         PENSION PLAN TYPE- 2
    LJ338_3         PENSION PLAN TYPE- 3
    LJ338_4         PENSION PLAN TYPE- 4
    LJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    LJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    LJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    LJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    LJ413_1         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
    LJ413_2         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
    LJ413_3         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
    LJ413_4         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
    LJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    LJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    LJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    LJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
HRS 2010:
    MJ338_1         PENSION PLAN TYPE- 1
    MJ338_2         PENSION PLAN TYPE- 2
    MJ338_3         PENSION PLAN TYPE- 3
    MJ338_4         PENSION PLAN TYPE- 4
    MJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    MJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    MJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    MJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    MJ413_1         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
    MJ413_2         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
    MJ413_3         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
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    MJ413_4         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
    MJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    MJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    MJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    MJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
HRS 2012:
    NJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    NJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    NJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    NJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    NJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    NJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    NJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    NJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    NJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    NJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
    NJ2W009_1       AMOUNT IN PENSION NOW -1_1
    NJ2W009_10      AMOUNT IN PENSION NOW -1_10
    NJ2W009_2       AMOUNT IN PENSION NOW -1_2
    NJ2W009_3       AMOUNT IN PENSION NOW -1_3
    NJ2W009_4       AMOUNT IN PENSION NOW -1_4
    NJ2W009_5       AMOUNT IN PENSION NOW -1_5
    NJ2W009_6       AMOUNT IN PENSION NOW -1_6
    NJ2W009_7       AMOUNT IN PENSION NOW -1_7
    NJ2W009_8       AMOUNT IN PENSION NOW -1_8
    NJ2W009_9       AMOUNT IN PENSION NOW -1_9
HRS 2014:
    OJ2338_1        PENSION PLAN TYPE-DB OR DC_1
    OJ2338_10       PENSION PLAN TYPE-DB OR DC_10
    OJ2338_2        PENSION PLAN TYPE-DB OR DC_2
    OJ2338_3        PENSION PLAN TYPE-DB OR DC_3
    OJ2338_4        PENSION PLAN TYPE-DB OR DC_4
    OJ2338_5        PENSION PLAN TYPE-DB OR DC_5
    OJ2338_6        PENSION PLAN TYPE-DB OR DC_6
    OJ2338_7        PENSION PLAN TYPE-DB OR DC_7
    OJ2338_8        PENSION PLAN TYPE-DB OR DC_8
    OJ2338_9        PENSION PLAN TYPE-DB OR DC_9
    OJ2W009_1       AMOUNT IN PENSION NOW_1
    OJ2W009_10      AMOUNT IN PENSION NOW_10
    OJ2W009_2       AMOUNT IN PENSION NOW_2
    OJ2W009_3       AMOUNT IN PENSION NOW_3
    OJ2W009_4       AMOUNT IN PENSION NOW_4
    OJ2W009_5       AMOUNT IN PENSION NOW_5
    OJ2W009_6       AMOUNT IN PENSION NOW_6
    OJ2W009_7       AMOUNT IN PENSION NOW_7
    OJ2W009_8       AMOUNT IN PENSION NOW_8
    OJ2W009_9       AMOUNT IN PENSION NOW_9
    OJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
    OJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
    OJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
    OJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
    OJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
    OJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
    OJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
    OJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
    OJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
    OJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
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Employer Contributions to Respondent's Defined Contribution Plan

Wave	Variable	Label	Type
1	R1DCBENE1	R1DCBENE1:W1 Employer contribution to DC plan #1	Cont
2	R2DCBENE1	R2DCBENE1:W2 Employer contribution to DC plan #1	Cont
3	R3DCBENE1	R3DCBENE1:W3 Employer contribution to DC plan #1	Cont
4	R4DCBENE1	R4DCBENE1:W4 Employer contribution to DC plan #1	Cont
5	R5DCBENE1	R5DCBENE1:W5 Employer contribution to DC plan #1	Cont
6	R6DCBENE1	R6DCBENE1:W6 Employer contribution to DC plan #1	Cont
7	R7DCBENE1	R7DCBENE1:W7 Employer contribution to DC plan #1	Cont
8	R8DCBENE1	R8DCBENE1:W8 Employer contribution to DC plan #1	Cont
9	R9DCBENE1	R9DCBENE1:W9 Employer contribution to DC plan #1	Cont
10	R10DCBENE1	R10DCBENE1:W10 Employer contribution to DC plan #1	Cont
11	R11DCBENE1	R11DCBENE1:W11 Employer contribution to DC plan #1	Cont
12	R12DCBENE1	R12DCBENE1:W12 Employer contribution to DC plan #1	Cont
1	S1DCBENE1	S1DCBENE1:W1 Employer contribution to DC plan #1	Cont
2	S2DCBENE1	S2DCBENE1:W2 Employer contribution to DC plan #1	Cont
3	S3DCBENE1	S3DCBENE1:W3 Employer contribution to DC plan #1	Cont
4	S4DCBENE1	S4DCBENE1:W4 Employer contribution to DC plan #1	Cont
5	S5DCBENE1	S5DCBENE1:W5 Employer contribution to DC plan #1	Cont
6	S6DCBENE1	S6DCBENE1:W6 Employer contribution to DC plan #1	Cont
7	S7DCBENE1	S7DCBENE1:W7 Employer contribution to DC plan #1	Cont
8	S8DCBENE1	S8DCBENE1:W8 Employer contribution to DC plan #1	Cont
9	S9DCBENE1	S9DCBENE1:W9 Employer contribution to DC plan #1	Cont
10	S10DCBENE1	S10DCBENE1:W10 Employer contribution to DC plan #1	Cont
11	S11DCBENE1	S11DCBENE1:W11 Employer contribution to DC plan #1	Cont
12	S12DCBENE1	S12DCBENE1:W12 Employer contribution to DC plan #1	Cont
1	R1DCBENE2	R1DCBENE2:W1 Employer contribution to DC plan #2	Cont
2	R2DCBENE2	R2DCBENE2:W2 Employer contribution to DC plan #2	Cont
3	R3DCBENE2	R3DCBENE2:W3 Employer contribution to DC plan #2	Cont
4	R4DCBENE2	R4DCBENE2:W4 Employer contribution to DC plan #2	Cont
5	R5DCBENE2	R5DCBENE2:W5 Employer contribution to DC plan #2	Cont
6	R6DCBENE2	R6DCBENE2:W6 Employer contribution to DC plan #2	Cont
7	R7DCBENE2	R7DCBENE2:W7 Employer contribution to DC plan #2	Cont
8	R8DCBENE2	R8DCBENE2:W8 Employer contribution to DC plan #2	Cont
9	R9DCBENE2	R9DCBENE2:W9 Employer contribution to DC plan #2	Cont
10	R10DCBENE2	R10DCBENE2:W10 Employer contribution to DC plan #2	Cont
11	R11DCBENE2	R11DCBENE2:W11 Employer contribution to DC plan #2	Cont
12	R12DCBENE2	R12DCBENE2:W12 Employer contribution to DC plan #2	Cont
1	S1DCBENE2	S1DCBENE2:W1 Employer contribution to DC plan #2	Cont
2	S2DCBENE2	S2DCBENE2:W2 Employer contribution to DC plan #2	Cont
3	S3DCBENE2	S3DCBENE2:W3 Employer contribution to DC plan #2	Cont
4	S4DCBENE2	S4DCBENE2:W4 Employer contribution to DC plan #2	Cont
5	S5DCBENE2	S5DCBENE2:W5 Employer contribution to DC plan #2	Cont
6	S6DCBENE2	S6DCBENE2:W6 Employer contribution to DC plan #2	Cont
7	S7DCBENE2	S7DCBENE2:W7 Employer contribution to DC plan #2	Cont
8	S8DCBENE2	S8DCBENE2:W8 Employer contribution to DC plan #2	Cont
9	S9DCBENE2	S9DCBENE2:W9 Employer contribution to DC plan #2	Cont
10	S10DCBENE2	S10DCBENE2:W10 Employer contribution to DC plan #2	Cont
11	S11DCBENE2	S11DCBENE2:W11 Employer contribution to DC plan #2	Cont
12	S12DCBENE2	S12DCBENE2:W12 Employer contribution to DC plan #2	Cont
1	R1DCBENE3	R1DCBENE3:W1 Employer contribution to DC plan #3	Cont
2	R2DCBENE3	R2DCBENE3:W2 Employer contribution to DC plan #3	Cont
3	R3DCBENE3	R3DCBENE3:W3 Employer contribution to DC plan #3	Cont
4	R4DCBENE3	R4DCBENE3:W4 Employer contribution to DC plan #3	Cont
5	R5DCBENE3	R5DCBENE3:W5 Employer contribution to DC plan #3	Cont
6	R6DCBENE3	R6DCBENE3:W6 Employer contribution to DC plan #3	Cont
7	R7DCBENE3	R7DCBENE3:W7 Employer contribution to DC plan #3	Cont
8	R8DCBENE3	R8DCBENE3:W8 Employer contribution to DC plan #3	Cont
9	R9DCBENE3	R9DCBENE3:W9 Employer contribution to DC plan #3	Cont
10	R10DCBENE3	R10DCBENE3:W10 Employer contribution to DC plan #3	Cont
11	R11DCBENE3	R11DCBENE3:W11 Employer contribution to DC plan #3	Cont
12	R12DCBENE3	R12DCBENE3:W12 Employer contribution to DC plan #3	Cont
1	S1DCBENE3	S1DCBENE3:W1 Employer contribution to DC plan #3	Cont

2	S2DCBENE3	S2DCBENE3:W2 Employer contribution to DC plan #3	Cont
3	S3DCBENE3	S3DCBENE3:W3 Employer contribution to DC plan #3	Cont
4	S4DCBENE3	S4DCBENE3:W4 Employer contribution to DC plan #3	Cont
5	S5DCBENE3	S5DCBENE3:W5 Employer contribution to DC plan #3	Cont
6	S6DCBENE3	S6DCBENE3:W6 Employer contribution to DC plan #3	Cont
7	S7DCBENE3	S7DCBENE3:W7 Employer contribution to DC plan #3	Cont
8	S8DCBENE3	S8DCBENE3:W8 Employer contribution to DC plan #3	Cont
9	S9DCBENE3	S9DCBENE3:W9 Employer contribution to DC plan #3	Cont
10	S10DCBENE3	S10DCBENE3:W10 Employer contribution to DC plan #3	Cont
11	S11DCBENE3	S11DCBENE3:W11 Employer contribution to DC plan #3	Cont
12	S12DCBENE3	S12DCBENE3:W12 Employer contribution to DC plan #3	Cont
5	R5DCBENE4	R5DCBENE4:W5 Employer contribution to DC plan #4	Cont
6	R6DCBENE4	R6DCBENE4:W6 Employer contribution to DC plan #4	Cont
7	R7DCBENE4	R7DCBENE4:W7 Employer contribution to DC plan #4	Cont
8	R8DCBENE4	R8DCBENE4:W8 Employer contribution to DC plan #4	Cont
9	R9DCBENE4	R9DCBENE4:W9 Employer contribution to DC plan #4	Cont
10	R10DCBENE4	R10DCBENE4:W10 Employer contribution to DC plan #4	Cont
11	R11DCBENE4	R11DCBENE4:W11 Employer contribution to DC plan #4	Cont
12	R12DCBENE4	R12DCBENE4:W12 Employer contribution to DC plan #4	Cont
5	S5DCBENE4	S5DCBENE4:W5 Employer contribution to DC plan #4	Cont
6	S6DCBENE4	S6DCBENE4:W6 Employer contribution to DC plan #4	Cont
7	S7DCBENE4	S7DCBENE4:W7 Employer contribution to DC plan #4	Cont
8	S8DCBENE4	S8DCBENE4:W8 Employer contribution to DC plan #4	Cont
9	S9DCBENE4	S9DCBENE4:W9 Employer contribution to DC plan #4	Cont
10	S10DCBENE4	S10DCBENE4:W10 Employer contribution to DC plan #4	Cont
11	S11DCBENE4	S11DCBENE4:W11 Employer contribution to DC plan #4	Cont
12	S12DCBENE4	S12DCBENE4:W12 Employer contribution to DC plan #4	Cont
1	R1DCMODE1	R1DCMODE1:W1 Employer contribution: $ or % #1	Categ
2	R2DCMODE1	R2DCMODE1:W2 Employer contribution: $ or % #1	Categ
3	R3DCMODE1	R3DCMODE1:W3 Employer contribution: $ or % #1	Categ
4	R4DCMODE1	R4DCMODE1:W4 Employer contribution: $ or % #1	Categ
5	R5DCMODE1	R5DCMODE1:W5 Employer contribution: $ or % #1	Categ
6	R6DCMODE1	R6DCMODE1:W6 Employer contribution: $ or % #1	Categ
7	R7DCMODE1	R7DCMODE1:W7 Employer contribution: $ or % #1	Categ
8	R8DCMODE1	R8DCMODE1:W8 Employer contribution: $ or % #1	Categ
9	R9DCMODE1	R9DCMODE1:W9 Employer contribution: $ or % #1	Categ
10	R10DCMODE1	R10DCMODE1:W10 Employer contribution: $ or % #1	Categ
11	R11DCMODE1	R11DCMODE1:W11 Employer contribution: $ or % #1	Categ
12	R12DCMODE1	R12DCMODE1:W12 Employer contribution: $ or % #1	Categ
1	S1DCMODE1	S1DCMODE1:W1 Employer contribution: $ or % #1	Categ
2	S2DCMODE1	S2DCMODE1:W2 Employer contribution: $ or % #1	Categ
3	S3DCMODE1	S3DCMODE1:W3 Employer contribution: $ or % #1	Categ
4	S4DCMODE1	S4DCMODE1:W4 Employer contribution: $ or % #1	Categ
5	S5DCMODE1	S5DCMODE1:W5 Employer contribution: $ or % #1	Categ
6	S6DCMODE1	S6DCMODE1:W6 Employer contribution: $ or % #1	Categ
7	S7DCMODE1	S7DCMODE1:W7 Employer contribution: $ or % #1	Categ
8	S8DCMODE1	S8DCMODE1:W8 Employer contribution: $ or % #1	Categ
9	S9DCMODE1	S9DCMODE1:W9 Employer contribution: $ or % #1	Categ
10	S10DCMODE1	S10DCMODE1:W10 Employer contribution: $ or % #1	Categ
11	S11DCMODE1	S11DCMODE1:W11 Employer contribution: $ or % #1	Categ
12	S12DCMODE1	S12DCMODE1:W12 Employer contribution: $ or % #1	Categ
1	R1DCMODE2	R1DCMODE2:W1 Employer contribution: $ or % #2	Categ
2	R2DCMODE2	R2DCMODE2:W2 Employer contribution: $ or % #2	Categ
3	R3DCMODE2	R3DCMODE2:W3 Employer contribution: $ or % #2	Categ
4	R4DCMODE2	R4DCMODE2:W4 Employer contribution: $ or % #2	Categ
5	R5DCMODE2	R5DCMODE2:W5 Employer contribution: $ or % #2	Categ
6	R6DCMODE2	R6DCMODE2:W6 Employer contribution: $ or % #2	Categ
7	R7DCMODE2	R7DCMODE2:W7 Employer contribution: $ or % #2	Categ
8	R8DCMODE2	R8DCMODE2:W8 Employer contribution: $ or % #2	Categ
9	R9DCMODE2	R9DCMODE2:W9 Employer contribution: $ or % #2	Categ
10	R10DCMODE2	R10DCMODE2:W10 Employer contribution: $ or % #2	Categ
11	R11DCMODE2	R11DCMODE2:W11 Employer contribution: $ or % #2	Categ
12	R12DCMODE2	R12DCMODE2:W12 Employer contribution: $ or % #2	Categ
1	S1DCMODE2	S1DCMODE2:W1 Employer contribution: $ or % #2	Categ
2	S2DCMODE2	S2DCMODE2:W2 Employer contribution: $ or % #2	Categ
3	S3DCMODE2	S3DCMODE2:W3 Employer contribution: $ or % #2	Categ

4	S4DCMODE2	S4DCMODE2:W4 Employer contribution: $ or % #2	Categ
5	S5DCMODE2	S5DCMODE2:W5 Employer contribution: $ or % #2	Categ
6	S6DCMODE2	S6DCMODE2:W6 Employer contribution: $ or % #2	Categ
7	S7DCMODE2	S7DCMODE2:W7 Employer contribution: $ or % #2	Categ
8	S8DCMODE2	S8DCMODE2:W8 Employer contribution: $ or % #2	Categ
9	S9DCMODE2	S9DCMODE2:W9 Employer contribution: $ or % #2	Categ
10	S10DCMODE2	S10DCMODE2:W10 Employer contribution: $ or % #2	Categ
11	S11DCMODE2	S11DCMODE2:W11 Employer contribution: $ or % #2	Categ
12	S12DCMODE2	S12DCMODE2:W12 Employer contribution: $ or % #2	Categ
1	R1DCMODE3	R1DCMODE3:W1 Employer contribution: $ or % #3	Categ
2	R2DCMODE3	R2DCMODE3:W2 Employer contribution: $ or % #3	Categ
3	R3DCMODE3	R3DCMODE3:W3 Employer contribution: $ or % #3	Categ
4	R4DCMODE3	R4DCMODE3:W4 Employer contribution: $ or % #3	Categ
5	R5DCMODE3	R5DCMODE3:W5 Employer contribution: $ or % #3	Categ
6	R6DCMODE3	R6DCMODE3:W6 Employer contribution: $ or % #3	Categ
7	R7DCMODE3	R7DCMODE3:W7 Employer contribution: $ or % #3	Categ
8	R8DCMODE3	R8DCMODE3:W8 Employer contribution: $ or % #3	Categ
9	R9DCMODE3	R9DCMODE3:W9 Employer contribution: $ or % #3	Categ
10	R10DCMODE3	R10DCMODE3:W10 Employer contribution: $ or % #3	Categ
11	R11DCMODE3	R11DCMODE3:W11 Employer contribution: $ or % #3	Categ
12	R12DCMODE3	R12DCMODE3:W12 Employer contribution: $ or % #3	Categ
1	S1DCMODE3	S1DCMODE3:W1 Employer contribution: $ or % #3	Categ
2	S2DCMODE3	S2DCMODE3:W2 Employer contribution: $ or % #3	Categ
3	S3DCMODE3	S3DCMODE3:W3 Employer contribution: $ or % #3	Categ
4	S4DCMODE3	S4DCMODE3:W4 Employer contribution: $ or % #3	Categ
5	S5DCMODE3	S5DCMODE3:W5 Employer contribution: $ or % #3	Categ
6	S6DCMODE3	S6DCMODE3:W6 Employer contribution: $ or % #3	Categ
7	S7DCMODE3	S7DCMODE3:W7 Employer contribution: $ or % #3	Categ
8	S8DCMODE3	S8DCMODE3:W8 Employer contribution: $ or % #3	Categ
9	S9DCMODE3	S9DCMODE3:W9 Employer contribution: $ or % #3	Categ
10	S10DCMODE3	S10DCMODE3:W10 Employer contribution: $ or % #3	Categ
11	S11DCMODE3	S11DCMODE3:W11 Employer contribution: $ or % #3	Categ
12	S12DCMODE3	S12DCMODE3:W12 Employer contribution: $ or % #3	Categ
5	R5DCMODE4	R5DCMODE4:W5 Employer contribution: $ or % #4	Categ
6	R6DCMODE4	R6DCMODE4:W6 Employer contribution: $ or % #4	Categ
7	R7DCMODE4	R7DCMODE4:W7 Employer contribution: $ or % #4	Categ
8	R8DCMODE4	R8DCMODE4:W8 Employer contribution: $ or % #4	Categ
9	R9DCMODE4	R9DCMODE4:W9 Employer contribution: $ or % #4	Categ
10	R10DCMODE4	R10DCMODE4:W10 Employer contribution: $ or % #4	Categ
11	R11DCMODE4	R11DCMODE4:W11 Employer contribution: $ or % #4	Categ
12	R12DCMODE4	R12DCMODE4:W12 Employer contribution: $ or % #4	Categ
5	S5DCMODE4	S5DCMODE4:W5 Employer contribution: $ or % #4	Categ
6	S6DCMODE4	S6DCMODE4:W6 Employer contribution: $ or % #4	Categ
7	S7DCMODE4	S7DCMODE4:W7 Employer contribution: $ or % #4	Categ
8	S8DCMODE4	S8DCMODE4:W8 Employer contribution: $ or % #4	Categ
9	S9DCMODE4	S9DCMODE4:W9 Employer contribution: $ or % #4	Categ
10	S10DCMODE4	S10DCMODE4:W10 Employer contribution: $ or % #4	Categ
11	S11DCMODE4	S11DCMODE4:W11 Employer contribution: $ or % #4	Categ
12	S12DCMODE4	S12DCMODE4:W12 Employer contribution: $ or % #4	Categ
1	R1DCPCT1	R1DCPCT1:W1 Employer % contribution #1	Cont
2	R2DCPCT1	R2DCPCT1:W2 Employer % contribution #1	Cont
3	R3DCPCT1	R3DCPCT1:W3 Employer % contribution #1	Cont
4	R4DCPCT1	R4DCPCT1:W4 Employer % contribution #1	Cont
5	R5DCPCT1	R5DCPCT1:W5 Employer % contribution #1	Cont
6	R6DCPCT1	R6DCPCT1:W6 Employer % contribution #1	Cont
7	R7DCPCT1	R7DCPCT1:W7 Employer % contribution #1	Cont
8	R8DCPCT1	R8DCPCT1:W8 Employer % contribution #1	Cont
9	R9DCPCT1	R9DCPCT1:W9 Employer % contribution #1	Cont
10	R10DCPCT1	R10DCPCT1:W10 Employer % contribution #1	Cont
11	R11DCPCT1	R11DCPCT1:W11 Employer % contribution #1	Cont
12	R12DCPCT1	R12DCPCT1:W12 Employer % contribution #1	Cont
1	S1DCPCT1	S1DCPCT1:W1 Employer % contribution #1	Cont
2	S2DCPCT1	S2DCPCT1:W2 Employer % contribution #1	Cont
3	S3DCPCT1	S3DCPCT1:W3 Employer % contribution #1	Cont
4	S4DCPCT1	S4DCPCT1:W4 Employer % contribution #1	Cont
5	S5DCPCT1	S5DCPCT1:W5 Employer % contribution #1	Cont

6	S6DCPCT1	S6DCPCT1:W6 Employer % contribution #1	Cont
7	S7DCPCT1	S7DCPCT1:W7 Employer % contribution #1	Cont
8	S8DCPCT1	S8DCPCT1:W8 Employer % contribution #1	Cont
9	S9DCPCT1	S9DCPCT1:W9 Employer % contribution #1	Cont
10	S10DCPCT1	S10DCPCT1:W10 Employer % contribution #1	Cont
11	S11DCPCT1	S11DCPCT1:W11 Employer % contribution #1	Cont
12	S12DCPCT1	S12DCPCT1:W12 Employer % contribution #1	Cont
1	R1DCPCT2	R1DCPCT2:W1 Employer % contribution #2	Cont
2	R2DCPCT2	R2DCPCT2:W2 Employer % contribution #2	Cont
3	R3DCPCT2	R3DCPCT2:W3 Employer % contribution #2	Cont
4	R4DCPCT2	R4DCPCT2:W4 Employer % contribution #2	Cont
5	R5DCPCT2	R5DCPCT2:W5 Employer % contribution #2	Cont
6	R6DCPCT2	R6DCPCT2:W6 Employer % contribution #2	Cont
7	R7DCPCT2	R7DCPCT2:W7 Employer % contribution #2	Cont
8	R8DCPCT2	R8DCPCT2:W8 Employer % contribution #2	Cont
9	R9DCPCT2	R9DCPCT2:W9 Employer % contribution #2	Cont
10	R10DCPCT2	R10DCPCT2:W10 Employer % contribution #2	Cont
11	R11DCPCT2	R11DCPCT2:W11 Employer % contribution #2	Cont
12	R12DCPCT2	R12DCPCT2:W12 Employer % contribution #2	Cont
1	S1DCPCT2	S1DCPCT2:W1 Employer % contribution #2	Cont
2	S2DCPCT2	S2DCPCT2:W2 Employer % contribution #2	Cont
3	S3DCPCT2	S3DCPCT2:W3 Employer % contribution #2	Cont
4	S4DCPCT2	S4DCPCT2:W4 Employer % contribution #2	Cont
5	S5DCPCT2	S5DCPCT2:W5 Employer % contribution #2	Cont
6	S6DCPCT2	S6DCPCT2:W6 Employer % contribution #2	Cont
7	S7DCPCT2	S7DCPCT2:W7 Employer % contribution #2	Cont
8	S8DCPCT2	S8DCPCT2:W8 Employer % contribution #2	Cont
9	S9DCPCT2	S9DCPCT2:W9 Employer % contribution #2	Cont
10	S10DCPCT2	S10DCPCT2:W10 Employer % contribution #2	Cont
11	S11DCPCT2	S11DCPCT2:W11 Employer % contribution #2	Cont
12	S12DCPCT2	S12DCPCT2:W12 Employer % contribution #2	Cont
1	R1DCPCT3	R1DCPCT3:W1 Employer % contribution #3	Cont
2	R2DCPCT3	R2DCPCT3:W2 Employer % contribution #3	Cont
3	R3DCPCT3	R3DCPCT3:W3 Employer % contribution #3	Cont
4	R4DCPCT3	R4DCPCT3:W4 Employer % contribution #3	Cont
5	R5DCPCT3	R5DCPCT3:W5 Employer % contribution #3	Cont
6	R6DCPCT3	R6DCPCT3:W6 Employer % contribution #3	Cont
7	R7DCPCT3	R7DCPCT3:W7 Employer % contribution #3	Cont
8	R8DCPCT3	R8DCPCT3:W8 Employer % contribution #3	Cont
9	R9DCPCT3	R9DCPCT3:W9 Employer % contribution #3	Cont
10	R10DCPCT3	R10DCPCT3:W10 Employer % contribution #3	Cont
11	R11DCPCT3	R11DCPCT3:W11 Employer % contribution #3	Cont
12	R12DCPCT3	R12DCPCT3:W12 Employer % contribution #3	Cont
1	S1DCPCT3	S1DCPCT3:W1 Employer % contribution #3	Cont
2	S2DCPCT3	S2DCPCT3:W2 Employer % contribution #3	Cont
3	S3DCPCT3	S3DCPCT3:W3 Employer % contribution #3	Cont
4	S4DCPCT3	S4DCPCT3:W4 Employer % contribution #3	Cont
5	S5DCPCT3	S5DCPCT3:W5 Employer % contribution #3	Cont
6	S6DCPCT3	S6DCPCT3:W6 Employer % contribution #3	Cont
7	S7DCPCT3	S7DCPCT3:W7 Employer % contribution #3	Cont
8	S8DCPCT3	S8DCPCT3:W8 Employer % contribution #3	Cont
9	S9DCPCT3	S9DCPCT3:W9 Employer % contribution #3	Cont
10	S10DCPCT3	S10DCPCT3:W10 Employer % contribution #3	Cont
11	S11DCPCT3	S11DCPCT3:W11 Employer % contribution #3	Cont
12	S12DCPCT3	S12DCPCT3:W12 Employer % contribution #3	Cont
5	R5DCPCT4	R5DCPCT4:W5 Employer % contribution #4	Cont
6	R6DCPCT4	R6DCPCT4:W6 Employer % contribution #4	Cont
7	R7DCPCT4	R7DCPCT4:W7 Employer % contribution #4	Cont
8	R8DCPCT4	R8DCPCT4:W8 Employer % contribution #4	Cont
9	R9DCPCT4	R9DCPCT4:W9 Employer % contribution #4	Cont
10	R10DCPCT4	R10DCPCT4:W10 Employer % contribution #4	Cont
11	R11DCPCT4	R11DCPCT4:W11 Employer % contribution #4	Cont
12	R12DCPCT4	R12DCPCT4:W12 Employer % contribution #4	Cont
5	S5DCPCT4	S5DCPCT4:W5 Employer % contribution #4	Cont
6	S6DCPCT4	S6DCPCT4:W6 Employer % contribution #4	Cont
7	S7DCPCT4	S7DCPCT4:W7 Employer % contribution #4	Cont

8	S8DCPCT4	S8DCPCT4:W8 Employer % contribution #4	Cont
9	S9DCPCT4	S9DCPCT4:W9 Employer % contribution #4	Cont
10	S10DCPCT4	S10DCPCT4:W10 Employer % contribution #4	Cont
11	S11DCPCT4	S11DCPCT4:W11 Employer % contribution #4	Cont
12	S12DCPCT4	S12DCPCT4:W12 Employer % contribution #4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCBENE1	952	3702.90	11655.67	0.0	237500.0
R2DCBENE1	289	8326.12	55045.65	0.0	888000.0
R3DCBENE1	318	2780.85	6201.46	0.0	78000.0
R4DCBENE1	619	4940.08	14673.53	0.0	300000.0
R5DCBENE1	440	3830.45	14991.92	0.0	250000.0
R6DCBENE1	329	4281.54	11365.14	0.0	150800.0
R7DCBENE1	1280	5324.57	18514.36	0.0	447200.0
R8DCBENE1	989	4415.81	15660.32	0.0	350000.0
R9DCBENE1	873	3275.34	5343.02	0.0	72000.0
R10DCBENE1	1319	3660.54	6208.14	0.0	92500.0
R11DCBENE1	1605	2466.32	6336.90	0.0	90000.0
R12DCBENE1	1624	4359.24	58119.53	0.0	2210000.0
S1DCBENE1	766	3636.10	11455.29	0.0	237500.0
S2DCBENE1	226	8783.20	61622.57	0.0	888000.0
S3DCBENE1	250	2894.56	6588.22	0.0	78000.0
S4DCBENE1	489	5080.88	15922.44	0.0	300000.0
S5DCBENE1	331	4416.43	17164.28	0.0	250000.0
S6DCBENE1	267	4296.22	11736.64	0.0	150800.0
S7DCBENE1	1003	6079.66	20700.61	0.0	447200.0
S8DCBENE1	758	4844.01	17119.90	0.0	350000.0
S9DCBENE1	688	3355.66	5658.93	0.0	72000.0
S10DCBENE1	957	3662.93	5685.74	0.0	92500.0
S11DCBENE1	1202	2534.14	6637.71	0.0	90000.0
S12DCBENE1	1195	4667.13	65142.20	0.0	2210000.0
R1DCBENE2	809	2705.45	8766.71	0.0	149552.0
R2DCBENE2	83	3891.71	11705.81	0.0	80000.0
R3DCBENE2	107	2564.12	6224.84	0.0	34200.0
R4DCBENE2	295	3184.02	10589.94	0.0	98000.0
R5DCBENE2	115	2238.06	4628.12	0.0	31265.0
R6DCBENE2	88	3885.10	9853.56	0.0	70000.0
R7DCBENE2	544	3885.53	12390.40	0.0	135000.0
R8DCBENE2	304	2743.65	6939.66	0.0	60000.0
R9DCBENE2	180	3509.10	6305.20	0.0	72000.0
R10DCBENE2	282	6285.07	23623.74	0.0	300000.0
R11DCBENE2	408	2536.54	5623.17	0.0	81000.0
R12DCBENE2	425	4165.11	24546.05	0.0	488800.0
S1DCBENE2	657	2972.41	9463.67	0.0	149552.0
S2DCBENE2	67	3185.53	8712.14	0.0	50000.0
S3DCBENE2	91	2859.82	6645.72	0.0	34200.0
S4DCBENE2	237	3669.53	11712.91	0.0	98000.0
S5DCBENE2	86	2206.37	4891.38	0.0	31265.0
S6DCBENE2	70	3883.39	10440.86	0.0	70000.0
S7DCBENE2	416	4254.29	13716.80	0.0	135000.0
S8DCBENE2	228	3177.16	7865.13	0.0	60000.0

S9DCBENE2	152	3525.24	6605.70	0.0	72000.0
S10DCBENE2	209	6891.31	27045.62	0.0	300000.0
S11DCBENE2	297	2603.05	5946.07	0.0	81000.0
S12DCBENE2	311	4888.46	28319.24	0.0	488800.0
R1DCBENE3	66	9372.81	27560.17	0.0	200000.0
R2DCBENE3	15	2108.53	4326.39	0.0	14560.0
R3DCBENE3	13	1489.01	1829.71	0.0	5000.0
R4DCBENE3	38	1659.19	3377.98	0.0	16016.0
R5DCBENE3	18	3869.48	5167.15	0.0	16932.0
R6DCBENE3	7	5213.93	9750.90	0.0	27000.0
R7DCBENE3	69	16243.19	92769.07	0.0	743076.9
R8DCBENE3	25	1540.10	3174.88	0.0	15000.0
R9DCBENE3	18	7803.14	17094.97	175.0	75000.0
R10DCBENE3	39	3421.21	4211.79	0.0	17640.0
R11DCBENE3	61	4122.53	11300.42	0.0	75000.0
R12DCBENE3	68	3886.89	13521.62	0.0	104000.0
S1DCBENE3	49	10916.00	31356.80	0.0	200000.0
S2DCBENE3	13	1312.92	2803.77	0.0	7956.0
S3DCBENE3	11	1592.36	1983.18	0.0	5000.0
S4DCBENE3	32	1705.44	3554.23	0.0	16016.0
S5DCBENE3	13	4793.71	5761.16	0.0	16932.0
S6DCBENE3	7	5213.93	9750.90	0.0	27000.0
S7DCBENE3	54	20491.43	104671.51	0.0	743076.9
S8DCBENE3	22	1613.75	3344.67	0.0	15000.0
S9DCBENE3	17	8175.89	17545.53	175.0	75000.0
S10DCBENE3	27	3861.99	4480.57	0.0	17640.0
S11DCBENE3	50	3206.94	7104.68	0.0	38688.0
S12DCBENE3	50	2495.40	6328.71	0.0	40500.0
R5DCBENE4	3	392.31	679.50	0.0	1176.9
R7DCBENE4	12	2272.40	3498.03	0.0	10400.0
R8DCBENE4	1	0.00		0.0	0.0
R9DCBENE4	2	95.16	134.58	0.0	190.3
R10DCBENE4	5	9464.00	8966.50	1040.0	20400.0
R11DCBENE4	6	61615.00	136806.48	0.0	340000.0
R12DCBENE4	8	196.56	555.96	0.0	1572.5
S5DCBENE4	3	392.31	679.50	0.0	1176.9
S7DCBENE4	11	1842.62	3319.89	0.0	10400.0
S8DCBENE4	1	0.00		0.0	0.0
S9DCBENE4	1	0.00		0.0	0.0
S10DCBENE4	4	11570.00	8810.74	2240.0	20400.0
S11DCBENE4	5	73938.00	149184.77	0.0	340000.0
S12DCBENE4	6	0.00	0.00	0.0	0.0
R1DCMODE1	771	1.22	0.42	1.0	2.0
R2DCMODE1	221	1.20	0.40	1.0	2.0
R3DCMODE1	251	1.20	0.40	1.0	2.0
R4DCMODE1	493	1.14	0.35	1.0	2.0
R5DCMODE1	332	1.17	0.38	1.0	2.0
R6DCMODE1	257	1.14	0.35	1.0	2.0
R7DCMODE1	1036	1.14	0.35	1.0	2.0
R8DCMODE1	832	1.14	0.35	1.0	2.0
R9DCMODE1	869	1.45	0.76	1.0	3.0
R10DCMODE1	1313	1.42	0.73	1.0	3.0
R11DCMODE1	1033	1.36	0.69	1.0	3.0
R12DCMODE1	1075	1.41	0.72	1.0	3.0

S1DCMODE1	619	1.21	0.41	1.0	2.0
S2DCMODE1	171	1.21	0.41	1.0	2.0
S3DCMODE1	193	1.19	0.39	1.0	2.0
S4DCMODE1	390	1.14	0.34	1.0	2.0
S5DCMODE1	248	1.19	0.39	1.0	2.0
S6DCMODE1	204	1.14	0.34	1.0	2.0
S7DCMODE1	813	1.15	0.35	1.0	2.0
S8DCMODE1	644	1.14	0.35	1.0	2.0
S9DCMODE1	685	1.45	0.76	1.0	3.0
S10DCMODE1	953	1.39	0.70	1.0	3.0
S11DCMODE1	763	1.35	0.67	1.0	3.0
S12DCMODE1	789	1.39	0.70	1.0	3.0
R1DCMODE2	393	1.18	0.39	1.0	2.0
R2DCMODE2	40	1.30	0.46	1.0	2.0
R3DCMODE2	65	1.28	0.45	1.0	2.0
R4DCMODE2	151	1.20	0.40	1.0	2.0
R5DCMODE2	68	1.25	0.44	1.0	2.0
R6DCMODE2	47	1.23	0.43	1.0	2.0
R7DCMODE2	301	1.19	0.39	1.0	2.0
R8DCMODE2	181	1.20	0.40	1.0	2.0
R9DCMODE2	179	1.49	0.74	1.0	3.0
R10DCMODE2	278	1.42	0.71	1.0	3.0
R11DCMODE2	223	1.40	0.73	1.0	3.0
R12DCMODE2	247	1.36	0.69	1.0	3.0
S1DCMODE2	334	1.16	0.37	1.0	2.0
S2DCMODE2	34	1.29	0.46	1.0	2.0
S3DCMODE2	59	1.29	0.46	1.0	2.0
S4DCMODE2	122	1.20	0.41	1.0	2.0
S5DCMODE2	49	1.20	0.41	1.0	2.0
S6DCMODE2	37	1.27	0.45	1.0	2.0
S7DCMODE2	228	1.19	0.40	1.0	2.0
S8DCMODE2	131	1.18	0.38	1.0	2.0
S9DCMODE2	151	1.49	0.73	1.0	3.0
S10DCMODE2	207	1.38	0.67	1.0	3.0
S11DCMODE2	163	1.39	0.72	1.0	3.0
S12DCMODE2	188	1.34	0.67	1.0	3.0
R1DCMODE3	52	1.17	0.38	1.0	2.0
R2DCMODE3	5	1.20	0.45	1.0	2.0
R3DCMODE3	9	1.22	0.44	1.0	2.0
R4DCMODE3	16	1.31	0.48	1.0	2.0
R5DCMODE3	12	1.25	0.45	1.0	2.0
R6DCMODE3	4	1.00	0.00	1.0	1.0
R7DCMODE3	29	1.28	0.45	1.0	2.0
R8DCMODE3	10	1.40	0.52	1.0	2.0
R9DCMODE3	18	1.61	0.78	1.0	3.0
R10DCMODE3	37	1.51	0.61	1.0	3.0
R11DCMODE3	28	1.43	0.69	1.0	3.0
R12DCMODE3	33	1.48	0.71	1.0	3.0
S1DCMODE3	39	1.21	0.41	1.0	2.0
S2DCMODE3	4	1.25	0.50	1.0	2.0
S3DCMODE3	7	1.14	0.38	1.0	2.0
S4DCMODE3	14	1.36	0.50	1.0	2.0
S5DCMODE3	8	1.25	0.46	1.0	2.0
S6DCMODE3	4	1.00	0.00	1.0	1.0

S7DCMODE3	23	1.30	0.47	1.0	2.0
S8DCMODE3	9	1.44	0.53	1.0	2.0
S9DCMODE3	17	1.53	0.72	1.0	3.0
S10DCMODE3	25	1.60	0.65	1.0	3.0
S11DCMODE3	22	1.55	0.74	1.0	3.0
S12DCMODE3	22	1.36	0.66	1.0	3.0
R5DCMODE4	1	2.00		2.0	2.0
R7DCMODE4	7	1.29	0.49	1.0	2.0
R9DCMODE4	1	1.00		1.0	1.0
R10DCMODE4	5	1.20	0.45	1.0	2.0
R11DCMODE4	3	1.67	1.15	1.0	3.0
R12DCMODE4	1	1.00		1.0	1.0
S5DCMODE4	1	2.00		2.0	2.0
S7DCMODE4	6	1.33	0.52	1.0	2.0
S10DCMODE4	4	1.25	0.50	1.0	2.0
S11DCMODE4	3	1.67	1.15	1.0	3.0
R1DCPCT1	600	13.01	21.26	0.3	100.0
R2DCPCT1	177	14.84	22.63	0.0	100.0
R3DCPCT1	204	12.69	20.39	0.0	100.0
R4DCPCT1	431	14.60	20.67	0.0	100.0
R5DCPCT1	277	10.86	17.61	0.0	100.0
R6DCPCT1	221	12.33	19.49	0.0	100.0
R7DCPCT1	888	11.98	19.89	0.0	100.0
R8DCPCT1	719	8.17	13.97	0.0	100.0
R9DCPCT1	627	6.14	8.02	0.0	100.0
R10DCPCT1	955	6.52	8.77	0.0	80.0
R11DCPCT1	787	6.41	10.92	0.0	100.0
R12DCPCT1	784	5.57	6.59	0.0	75.0
S1DCPCT1	489	13.25	21.71	0.3	100.0
S2DCPCT1	136	13.57	20.98	0.0	100.0
S3DCPCT1	158	12.97	20.82	0.0	100.0
S4DCPCT1	341	14.65	20.87	0.0	100.0
S5DCPCT1	205	11.34	18.73	0.0	100.0
S6DCPCT1	177	12.25	19.66	0.0	100.0
S7DCPCT1	695	12.93	21.05	0.0	100.0
S8DCPCT1	554	8.55	14.93	0.0	100.0
S9DCPCT1	492	6.14	8.28	0.0	100.0
S10DCPCT1	710	6.42	8.45	0.0	75.0
S11DCPCT1	584	6.28	10.94	0.0	100.0
S12DCPCT1	582	5.51	6.72	0.0	75.0
R1DCPCT2	322	14.50	23.28	0.5	100.0
R2DCPCT2	29	16.72	27.11	0.0	100.0
R3DCPCT2	48	10.33	16.39	0.0	60.0
R4DCPCT2	122	13.10	23.25	0.0	100.0
R5DCPCT2	52	9.83	15.76	0.0	100.0
R6DCPCT2	37	19.73	29.56	0.0	100.0
R7DCPCT2	245	12.16	19.98	1.0	100.0
R8DCPCT2	145	8.36	15.65	1.0	100.0
R9DCPCT2	118	6.24	10.50	0.0	100.0
R10DCPCT2	200	7.34	13.59	0.0	100.0
R11DCPCT2	167	6.84	10.16	0.0	90.0
R12DCPCT2	189	5.87	7.87	1.0	75.0
S1DCPCT2	279	14.63	23.60	0.5	100.0

S2DCPCT2	25	12.76	22.35	0.0	100.0
S3DCPCT2	43	10.12	16.05	0.0	60.0
S4DCPCT2	98	14.48	25.33	0.0	100.0
S5DCPCT2	40	10.50	17.60	0.0	100.0
S6DCPCT2	28	19.68	31.09	0.0	100.0
S7DCPCT2	184	13.02	21.99	1.0	100.0
S8DCPCT2	108	9.79	17.87	1.0	100.0
S9DCPCT2	99	6.24	11.27	0.0	100.0
S10DCPCT2	152	6.78	12.32	0.0	100.0
S11DCPCT2	123	6.50	9.92	0.0	90.0
S12DCPCT2	145	5.31	5.06	1.0	50.0
R1DCPCT3	43	20.81	30.30	0.3	100.0
R2DCPCT3	4	24.50	18.70	6.0	50.0
R3DCPCT3	7	4.86	3.13	1.0	10.0
R4DCPCT3	12	17.33	27.07	0.0	100.0
R5DCPCT3	10	14.60	14.60	0.0	50.0
R6DCPCT3	4	12.50	5.00	5.0	15.0
R7DCPCT3	21	18.29	34.43	1.0	100.0
R8DCPCT3	6	4.00	1.55	2.0	6.0
R9DCPCT3	10	11.20	15.57	1.0	50.0
R10DCPCT3	22	6.82	10.65	0.0	50.0
R11DCPCT3	19	10.05	20.32	2.0	93.0
R12DCPCT3	21	9.14	15.50	1.0	75.0
S1DCPCT3	31	22.60	30.87	0.3	100.0
S2DCPCT3	3	16.00	9.54	6.0	25.0
S3DCPCT3	6	4.50	3.27	1.0	10.0
S4DCPCT3	9	20.78	30.65	3.0	100.0
S5DCPCT3	7	18.71	15.86	0.0	50.0
S6DCPCT3	4	12.50	5.00	5.0	15.0
S7DCPCT3	16	22.13	38.78	1.0	100.0
S8DCPCT3	5	3.60	1.34	2.0	5.0
S9DCPCT3	10	11.20	15.57	1.0	50.0
S10DCPCT3	14	5.71	5.36	0.0	20.0
S11DCPCT3	13	11.77	24.51	2.0	93.0
S12DCPCT3	16	10.19	17.71	1.0	75.0
R7DCPCT4	5	3.60	3.65	1.0	10.0
R9DCPCT4	2	0.50	0.71	0.0	1.0
R10DCPCT4	4	7.50	6.56	2.0	17.0
R11DCPCT4	2	11.00	12.73	2.0	20.0
R12DCPCT4	1	3.00		3.0	3.0
S7DCPCT4	4	2.00	0.82	1.0	3.0
S9DCPCT4	1	0.00		0.0	0.0
S10DCPCT4	3	8.33	7.77	2.0	17.0
S11DCPCT4	2	11.00	12.73	2.0	20.0

Categorical Variable Codes

Value	R1DCMODE1	R2DCMODE1	R3DCMODE1	R4DCMODE1	R5DCMODE1	R6DCMODE1	R7DCMODE1
.B=Not DC plan	2801	2207	1660	1861	1618	1185	1506
.D=DK	442	127	138	271	193	183	516
.K=Missing wage/work info	51	17	22	43	29	31	127
.M=Oth missing	33		2	5		1	3
.Q=Not asked this wv	140	9334	1110	1184	1120	935	212
.R=RF	117	6	15	30	18	42	42
.S=R denies have pension	3834	3288	3559	4394	3793	3366	4167
.W=Not working	4282	4373	11167	12977	12368	12093	12276
.X=No contrib--not asked	181	69	67	126	108	72	244
1.Employer contributes % of	600	176	202	424	274	220	887
2.Employer contributes $ am	171	45	49	69	58	37	149

Value	R8DCMODE1	R9DCMODE1	R10DCMODE1	R11DCMODE1	R12DCMODE1
.B=Not DC plan	1223	1073	1853	1535	1209
.D=DK	443	332	401	451	360
.K=Missing wage/work info	70	98	117	121	90
.M=Oth missing		3	4	318	82
.Q=Not asked this wv	158	225	434		
.R=RF	39	34	71	46	51
.S=R denies have pension	3723	3245	4678	3897	3445
.W=Not working	11824	11334	13157	12581	11876
.X=No contrib--not asked	157	4	6	572	560
1.Employer contributes % of	717	623	949	783	779
2.Employer contributes $ am	115	102	174	127	151
3.Employer contributes % of		144	190	123	145

Value	S1DCMODE1	S2DCMODE1	S3DCMODE1	S4DCMODE1	S5DCMODE1	S6DCMODE1	S7DCMODE1
.B=Not DC plan	2209	1723	1250	1381	1234	880	1108
.D=DK	324	96	103	195	139	137	374
.K=Missing wage/work info	41	13	15	29	24	24	86
.M=Oth missing	24		1	3		1	2
.Q=Not asked this wv	108	5414	868	936	863	698	165
.R=RF	92	4	10	7	9	27	29
.S=R denies have pension	3031	2574	2677	3199	2782	2478	3002
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Not working	3305	3237	6741	7739	7348	7127	7203
.X=No contrib--not asked	147	56	57	99	83	63	190
1.Employer contributes % of	489	135	156	337	202	176	694
2.Employer contributes $ am	130	36	37	53	46	28	119

Value	S8DCMODE1	S9DCMODE1	S10DCMODE1	S11DCMODE1	S12DCMODE1
.B=Not DC plan	892	772	1295	1060	823
.D=DK	332	237	279	295	247
.K=Missing wage/work info	58	64	79	82	58
.M=Oth missing		3	2	216	48
.Q=Not asked this wv	122	167	296		
.R=RF	27	24	39	30	26
.S=R denies have pension	2686	2294	3169	2620	2267
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Not working	6860	6397	7397	6983	6357
.X=No contrib--not asked	114	3	4	439	416
1.Employer contributes % of	552	489	706	581	579
2.Employer contributes $ am	92	83	127	98	113
3.Employer contributes % of		113	120	84	97

Value	R1DCMODE2	R2DCMODE2	R3DCMODE2	R4DCMODE2	R5DCMODE2	R6DCMODE2	R7DCMODE2
.B=Not DC plan	204	222	175	304	232	180	297
.D=DK	184	41	52	103	78	67	169
.K=Missing wage/work info	33	6		7	5	6	23
.M=Oth missing	8		2	3	1		3
.Q=Not asked this wv	13	8586	306	276	293	224	40
.R=RF	76	5	12	24	14	36	41
.S=R denies have pension	7043	6326	6170	7395	6473	5471	6736
.W=Not working	4282	4373	11167	12977	12368	12093	12276
.X=No contrib--not asked	416	43	42	144	47	41	243
1.Employer contributes % of	322	28	47	121	51	36	245
2.Employer contributes $ am	71	12	18	30	17	11	56

Value	R8DCMODE2	R9DCMODE2	R10DCMODE2	R11DCMODE2	R12DCMODE2
.B=Not DC plan	155	303	550	456	331
.D=DK	96	99	154	194	143
.K=Missing wage/work info	16	14	21	22	18
.M=Oth missing		6	12	96	11
.Q=Not asked this wv	10	220	373		
.R=RF	17	32	59	32	33
.S=R denies have pension	6047	5029	7426	6765	5911
.W=Not working	11824	11334	13157	12581	11876
.X=No contrib--not asked	123	1	4	185	178
1.Employer contributes % of	145	117	196	166	189
2.Employer contributes $ am	36	36	47	24	28
3.Employer contributes % of		26	35	33	30

Value	S1DCMODE2	S2DCMODE2	S3DCMODE2	S4DCMODE2	S5DCMODE2	S6DCMODE2	S7DCMODE2
.B=Not DC plan	163	182	135	237	186	143	232
.D=DK	135	31	36	77	62	48	125
.K=Missing wage/work info	26	5		7	5	4	19
.M=Oth missing	4		2	2			2
.Q=Not asked this wv	10	4833	244	217	228	170	31
.R=RF	57	4	7	4	6	25	29
.S=R denies have pension	5543	4929	4659	5458	4809	4052	4915
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Not working	3305	3237	6741	7739	7348	7127	7203
.X=No contrib--not asked	323	33	32	115	37	33	188
1.Employer contributes % of	279	24	42	97	39	27	184
2.Employer contributes $ am	55	10	17	25	10	10	44

Value	S8DCMODE2	S9DCMODE2	S10DCMODE2	S11DCMODE2	S12DCMODE2
.B=Not DC plan	125	220	378	326	230
.D=DK	73	73	99	132	92
.K=Missing wage/work info	11	8	13	20	15
.M=Oth missing		4	10	66	9
.Q=Not asked this wv	9	162	271		
.R=RF	9	21	29	14	20
.S=R denies have pension	4420	3609	5107	4650	3997
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Not working	6860	6397	7397	6983	6357
.X=No contrib--not asked	97	1	2	134	123
1.Employer contributes % of	108	98	150	122	145
2.Employer contributes $ am	23	32	35	18	22
3.Employer contributes % of		21	22	23	21

Value	R1DCMODE3	R2DCMODE3	R3DCMODE3	R4DCMODE3	R5DCMODE3	R6DCMODE3	R7DCMODE3
.B=Not DC plan	24	32	29	51	27	22	56
.D=DK	134	27	27	42	48	35	55
.K=Missing wage/work info	3	1				2	5
.M=Oth missing	5		1				
.Q=Not asked this wv	2	8259	40	28	17	23	3
.R=RF	35	3	12	20	14	35	31
.S=R denies have pension	8101	6932	6702	8227	7087	5948	7634
.W=Not working	4282	4373	11167	12977	12368	12093	12276
.X=No contrib--not asked	14	10	4	23	6	3	40
1.Employer contributes % of	43	4	7	11	9	4	21
2.Employer contributes $ am	9	1	2	5	3		8

Value	R8DCMODE3	R9DCMODE3	R10DCMODE3	R11DCMODE3	R12DCMODE3
.B=Not DC plan	18	41	93	75	35
.D=DK	32	47	80	132	108
.K=Missing wage/work info	2		2	2	1
.M=Oth missing		2	5	15	1
.Q=Not asked this wv	1	26	48		
.R=RF	18	28	54	23	28
.S=R denies have pension	6549	5721	8556	7665	6631
.W=Not working	11824	11334	13157	12581	11876
.X=No contrib--not asked	15		2	33	35
1.Employer contributes % of	6	10	20	19	21
2.Employer contributes $ am	4	5	15	6	8
3.Employer contributes % of		3	2	3	4

Value	S1DCMODE3	S2DCMODE3	S3DCMODE3	S4DCMODE3	S5DCMODE3	S6DCMODE3	S7DCMODE3
.B=Not DC plan	22	26	25	42	25	16	44
.D=DK	102	20	19	28	39	25	44
.K=Missing wage/work info	3	1				1	3
.M=Oth missing	3		1				
.Q=Not asked this wv	2	4581	34	21	11	18	2
.R=RF	27	2	7	3	6	24	20
.S=R denies have pension	6387	5408	5077	6112	5288	4421	5602
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Not working	3305	3237	6741	7739	7348	7127	7203
.X=No contrib--not asked	10	9	4	19	5	3	31
1.Employer contributes % of	31	3	6	9	6	4	16
2.Employer contributes $ am	8	1	1	5	2		7

Value	S8DCMODE3	S9DCMODE3	S10DCMODE3	S11DCMODE3	S12DCMODE3
.B=Not DC plan	14	31	65	55	29
.D=DK	28	35	51	86	64
.K=Missing wage/work info	2		2	1	1
.M=Oth missing		2	5	9	1
.Q=Not asked this wv	1	20	36		
.R=RF	10	18	27	10	17
.S=R denies have pension	4798	4126	5903	5294	4512
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Not working	6860	6397	7397	6983	6357
.X=No contrib--not asked	13		2	28	28
1.Employer contributes % of	5	10	12	13	16
2.Employer contributes $ am	4	5	11	6	4
3.Employer contributes % of		2	2	3	2

Value	R5DCMODE4	R6DCMODE4	R7DCMODE4
.B=Not DC plan	4	4	7
.D=DK	43	34	39
.K=Missing wage/work info		1	1
.Q=Not asked this wv	4	2	1
.R=RF	14	35	29
.S=R denies have pension	7143	5996	7764
.W=Not working	12368	12093	12276
.X=No contrib--not asked	2		5
1.Employer contributes % of			5
2.Employer contributes $ am	1		2

Value	R8DCMODE4	R9DCMODE4	R10DCMODE4	R11DCMODE4	R12DCMODE4
.B=Not DC plan	3	4	19	8	4
.D=DK	25	35	69	123	98
.M=Oth missing				1	
.Q=Not asked this wv		3	2		
.R=RF	18	27	54	22	26
.S=R denies have pension	6598	5812	8728	7813	6736
.W=Not working	11824	11334	13157	12581	11876
.X=No contrib--not asked	1	1		3	7
1.Employer contributes % of		1	4	2	1
2.Employer contributes $ am			1		
3.Employer contributes % of				1	

Value	S5DCMODE4	S6DCMODE4	S7DCMODE4
.B=Not DC plan	3	3	6
.D=DK	35	25	32
.K=Missing wage/work info		1	1
.Q=Not asked this wv	3	2	1
.R=RF	6	24	20
.S=R denies have pension	5332	4457	5698
.U=Unmarried	6538	6306	6777
.V=Spouse NR	311	220	380
.W=Not working	7348	7127	7203
.X=No contrib--not asked	2		5
1.Employer contributes % of			4
2.Employer contributes $ am	1		2

Value	S8DCMODE4	S9DCMODE4	S10DCMODE4	S11DCMODE4	S12DCMODE4
.B=Not DC plan	3	4	13	5	2
.D=DK	23	26	44	79	58
.Q=Not asked this wv		3	1		
.R=RF	10	18	27	10	15
.S=R denies have pension	4838	4197	6027	5406	4593
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Not working	6860	6397	7397	6983	6357
.X=No contrib--not asked	1	1		2	6
1.Employer contributes % of			3	2	
2.Employer contributes $ am			1		
3.Employer contributes % of				1	

Format Reference Tables – complete variable value labels

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_____________________________________________________
Variables: DCMODE1, DCMODE2, DCMODE3, DCMODE4
-----------------------------------------------------
.A=Dollar contribution
.B=Not DC plan
.D=DK
.H=Other specify
.K=Missing wage/work info
.M=Oth missing
.O=Other
.Q=Not asked this wv
.R=RF
.S=R denies have pension
.U=Unmarried
.V=Spouse NR
.W=Not working
.X=No contrib--not asked
.Y=Pen not from curr job
1.Employer contributes % of R's pay
2.Employer contributes $ amt
3.Employer contributes % of R's contribution
```

How Constructed

RwDCBENE1, RwDCBENE2, RwDCBENE3 and RwDCBENE4 indicate the amount in nominal dollars that the Respondent's current employer contributes annually to a defined contribution pension plan for the Respondent. Before Wave 5, employer contributions may be reported for up to 3 plans. From Wave 5 through Wave 10, employer contributions may be reported for up to 4 plans. From Wave 11 on, Respondents may report information on up to 10 plans, but we are limiting the RAND HRS to the first four active plans as they appear in the data, to align with previous waves. SwDCBENE1, SwDCBENE2, SwDCBENE3 and SwDCBENE4 provide the information for the Respondent's spouse or partner.

If the Respondent is working for the same employer as in the previous wave and was previously included in a pension plan, then they are asked if the rules of the pension have changed. If the Respondent indicates that the rules have changed, they are asked the complete set of questions about newly reported pensions. Prior to Wave 7, if the rules have not changed, Respondents are not asked how much their employers contribute to the plan, and these responses are set to ".Q." Beginning in Wave 7, all Respondents are asked how much their employer contributes to each defined contribution plan.

If the Respondent is included in a pension in their current job, then they are asked for the type of plan. In Waves 1-8, employer contributions are calculated for Respondents who indicate a plan type of Type B only. In Waves 9-10, dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or "Both Types" (Type A and Type B)) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or "Both Types" (Type A and Type B) and have a high level of confidence in their plan type selection. In Wave 11, dollar amounts are calculated for Respondents who indicate a plan type of Type B or "Both Types" (Type A and Type B). In Waves 1-8, Respondents who indicate a plan type of "Both Types" (Type A and Type B) are not asked questions about employer contribution to the plan, and these responses are set to ".Q." In all Waves, Respondents who indicate a plan type of Type A (defined benefit), or who do not know or refuse to disclose the plan type, are set to ".B."

In all Waves, Respondents have the option to report employer contributions as a percentage of their annual wages or as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are annualized. If the Respondent reports contributions as a percentage, annual contributions are calculated by multiplying the reported percent by the Respondent's annual wages from the current, primary job. If the Respondent reports employer contributions as a fixed dollar amount per time period, annual contributions are calculated based on the hours and weeks the Respondent reports working for their current, primary job. Beginning in Wave 9, Respondents are also given the option to report employer contributions

as a percentage match to their own contribution to the plan, and these values are calculated using RwDCCONTx.

RwDCMODE1, RwDCMODE2, RwDCMODE3, and RwDCMODE4 indicate whether employer contributions are made as a percentage of a Respondent's pay, a fixed dollar amount per time period, or as a matched percent of the Respondent's contribution to his/her plan. SwDCMODE1, SwDCMODE2, SwDCMODE3, SwDCMODE4 provide the information for the Respondent's spouse or partner.

RwDCPCT1, RwDCPCT2, RwDCPCT3, and RwDCPCT4 indicate the percent of the Respondent's pay the employer contributes to the plan. If the employer contributes a fixed dollar amount, RwDCPCTx is set to special missing value ".A." SwDCPCT1, SwDCPCT2, SwDCPCT3, and SwDCPCT4 provide the information for the Respondent's spouse or partner.

If the amount contributed is missing, the variables are coded with special missing values which denote why the contribution is missing. When Respondents reported a defined contribution plan but were skipped over the employer contribution questions, RwDCBENEx is set to special missing value ".Q." (e.g., In Waves 2H-8, Respondents who reported "no rule changes" to their existing plans were not asked employer contribution questions.) If the questions are skipped because the Respondent does not have the pension, the variables are set to ".S" (e.g., if the Respondent has one pension, RwDCBENE2, RwDCBENE3, and from Wave 5 on, RwDCBENE4 equal ".S"). RwDCBENEx is also set to ".S" if the Respondent does not have a pension on the current job or did not provide the number of pensions s/he has in waves prior to 11. RwDCBENEx is set to ".W" if the Respondent is not working and to ".K" if any of the following are missing: wage information, the amount period, hours worked or weeks worked on primary job.

Cross Wave Differences in Original HRS Data

In Waves 1-8 employer contributions to a defined contribution plan are calculated only for Respondents who indicate a plan type equal to Type B. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC through the plan type (i.e., Type B or "Both Types" (Type A and Type B)) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or "Both Types" (Type A and Type B) where Respondents have a high level of confidence in their plan type selection. In Wave 11, employer contributions are calculated for Respondents who indicate a plan type equal to Type B or "Both Types" (Type A and Type B).

The wording of the employer contribution question varies slightly across waves. In Waves 1, 2H, 3A, 3H, and 4, all Respondents are asked one question, "How much does your (business/employer) contribute (as a percent of your pay or amount of money per month or year)?"

In Waves 5-8, the wording changes slightly, to "How much does your [business/employer] contribute, either as a percent of your pay or as an amount of money per month or year?"

Beginning in Wave 9, two separate questions are asked of the Respondent about employer contributions to each plan. The first asks, "Does your [business/employer] make any contributions toward [that plan/(plan name)]?" The second is, "How much does your [business/employer] actually contribute, as a percent of your pay, or as an amount of money per month or year?"

In Waves 2H and 3A, the questions are asked separately for those employed by a firm and those that are self-employed. The question wording is the same in both places.

In Wave 3A, Respondents who work at a firm are asked to report on employer contributions for up to three plans. The self-employed are asked to report on only one plan.

In Waves 2H, 3A, 3H, 4, 5, and 6, employer contribution questions are not asked of those who are with the same employer and who reported having a pension plan at the previous wave where the rules have not changed. The variables for

these Respondents are set to ".Q."

In Waves 1-8, employer contributions questions are not asked of Respondents indicating a plan type of "Both Types" (Type A and Type B). The variables for these Respondents are set to ".Q."

The questions are not asked in Wave 2A.

For Waves 5-10, the Respondent is asked to report on up to 4 plans.

Prior to Wave 11, the Respondent was asked to list their pensions in order of importance. In Wave 11, due to the questionnaire change, the Respondent answers questions about all her/his pensions, with no regard to importance. We report employer contributions for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

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HRS 1992:
    V2909           F39:P1-TYPE OF PLAN
    V2934           F56:TB/P1:  EMPLR CONTR
    V2935           F56:TB/P1:$ EMPLR CONTR
    V2936           F56:TB/P1:FREQ EMP CNTRB
    V3009           F39:P2-TYPE OF PLAN
    V3034           F56:TB/P2:  EMPLR CONTR
    V3035           F56:TB/P2:$ EMPLR CONTR
    V3036           F56:TB/P2:FREQ EMP CNTRB
    V3109           F39:P3-TYPE OF PLAN
    V3134           F56:TB/P3:  EMPLR CONTR
    V3135           F56:TB/P3:$ EMPLR CONTR
    V3136           F56:TB/P3:FREQ EMP CNTRB
HRS 1994:
    W3712           1. FA65.TYPE OF PENSION
    W3724           2. FA65.TYPE OF PENSION
    W3736           3. FA65.TYPE OF PENSION
    W3756           1. FA73.TYPE OF PENSION
    W3789           1. FA90.FORM OF EMPLOYER
    W3790           1. FA90a.EMPLOYER CONTRI
    W3791           1. FA90b.EMPLOYER CONTRI
    W3792           1. FA90c.EMPLOYER CONTRI
    W3808           2. FA73.TYPE OF PENSION
    W3841           2. FA90.FORM OF EMPLOYER
    W3842           2. FA90a.EMPLOYER CONTRI
    W3843           2. FA90b.EMPLOYER CONTRI
    W3844           2. FA90c.EMPLOYER CONTRI
    W3860           3. FA73.TYPE OF PENSION
    W3893           3. FA90.FORM OF EMPLOYER
    W3894           3. FA90a.EMPLOYER CONTRI
    W3895           3. FA90b.EMPLOYER CONTRI
    W3896           3. FA90c.EMPLOYER CONTRI
    W4378           1. FB29.TYPE OF RETIREME
    W4390           2. FB29.TYPE OF RETIREME
    W4402           3. FB29.TYPE OF RETIREME
    W4415           1. FB37.TYPE OF PENSION
    W4448           1. FB54.FORM OF EMPLOYER
    W4449           1. FB54a.EMPLOYER CONTRI
    W4450           1. FB54b.EMPLOYER CONTRI
    W4451           1. FB54c.EMPLOYER CONTRI
    W4467           2. FB37.TYPE OF PENSION
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    W4500           2. FB54.FORM OF EMPLOYER
    W4501           2. FB54a.% OF PAY
    W4502           2. FB54b.AMOUNT OF EMPLO
    W4503           2. FB54c.AMOUNT OF EMP C
    W4519           3. FB37.TYPE OF PENSION
    W4552           3. FB54.FORM OF EMPLOYER
    W4553           3. FB54a.EMPLOYER CONTRI
    W4554           3. FB54b.EMPLOYER CONTRI
    W4555           3. FB54c.EMPLOYER CONTRI
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2969_1         GA73. TYPE PENSION
    D2969_2         GA73. TYPE PENSION
    D2969_3         GA73. TYPE PENSION
    D3026_1         GA90. HOW EMPLOYER CONTRIBUTES DC
    D3026_2         GA90. HOW EMPLOYER CONTRIBUTES DC
    D3026_3         GA90. HOW EMPLOYER CONTRIBUTES DC
    D3027_1         GA90A. EMPLOYER CONTRIB PERCENT PAY
    D3027_2         GA90A. EMPLOYER CONTRIB PERCENT PAY
    D3027_3         GA90A. EMPLOYER CONTRIB PERCENT PAY
    D3028_1         GA90B. EMPLOYER CONTRIB AMOUNT
    D3028_2         GA90B. EMPLOYER CONTRIB AMOUNT
    D3028_3         GA90B. EMPLOYER CONTRIB AMOUNT
    D3029_1         GA90C. EMPLOYER CONTRIB AMOUNT PER
    D3029_2         GA90C. EMPLOYER CONTRIB AMOUNT PER
    D3029_3         GA90C. EMPLOYER CONTRIB AMOUNT PER
    D3330_1         GB37. TYPE PENSION
    D3389_1         GB54. HOW EMPLOYER CONTRIBUTES DC
    D3390_1         GB54A. EMPLOYER CONTRIB PERCENT PAY
    D3391_1         GB54B. EMPLOYER CONTRIB AMOUNT
    D3392_1         GB54C. EMPLOYER CONTRIB AMOUNT PER
HRS 1996:
    E2835           G67.PENSION RULES CHANGED
    E2840_1         G69.TYPE OF PENSION
    E2840_2         G69.TYPE OF PENSION
    E2840_3         G69.TYPE OF PENSION
    E2875_1         G77.TYPE OF PENSION
    E2875_2         G77.TYPE OF PENSION
    E2875_3         G77.TYPE OF PENSION
    E2931_1         G94.FORM OF EMPLOYER CONTRIBUTION
    E2931_2         G94.FORM OF EMPLOYER CONTRIBUTION
    E2931_3         G94.FORM OF EMPLOYER CONTRIBUTION
    E2932_1         G94A.EMPLOYER CONTRIBUTION-%
    E2932_2         G94A.EMPLOYER CONTRIBUTION-%
    E2932_3         G94A.EMPLOYER CONTRIBUTION-%
    E2933_1         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    E2933_2         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    E2933_3         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    E2934_1         G94C.EMPLOYER CONTRIBUTION-PER
    E2934_2         G94C.EMPLOYER CONTRIBUTION-PER
    E2934_3         G94C.EMPLOYER CONTRIBUTION-PER
HRS 1998:
    F3359           G67.PENSION RULES CHANGED
    F3364_1         G69.TYPE OF PENSION
    F3364_2         G69.TYPE OF PENSION
    F3364_3         G69.TYPE OF PENSION
    F3403_1         G77.TYPE OF PENSION
    F3403_2         G77.TYPE OF PENSION
    F3403_3         G77.TYPE OF PENSION
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    F3459_1         G94.FORM OF EMPLOYER CONTRIBUTION
    F3459_2         G94.FORM OF EMPLOYER CONTRIBUTION
    F3459_3         G94.FORM OF EMPLOYER CONTRIBUTION
    F3460_1         G94A.EMPLOYER CONTRIBUTION-%
    F3460_2         G94A.EMPLOYER CONTRIBUTION-%
    F3460_3         G94A.EMPLOYER CONTRIBUTION-%
    F3461_1         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    F3461_2         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    F3461_3         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    F3462_1         G94C.EMPLOYER CONTRIBUTION-PER
    F3462_2         G94C.EMPLOYER CONTRIBUTION-PER
    F3462_3         G94C.EMPLOYER CONTRIBUTION-PER
HRS 2000:
    G3619           G67.PENSION RULES CHANGED
    G3624_1         G69.TYPE OF PENSION
    G3624_2         G69.TYPE OF PENSION
    G3624_3         G69.TYPE OF PENSION
    G3624_4         G69.TYPE OF PENSION
    G3683_1         G77.TYPE OF PENSION
    G3683_2         G77.TYPE OF PENSION
    G3683_3         G77.TYPE OF PENSION
    G3683_4         G77.TYPE OF PENSION
    G3744_1         G94.FORM OF EMPLOYER CONTRIBUTION
    G3744_2         G94.FORM OF EMPLOYER CONTRIBUTION
    G3744_3         G94.FORM OF EMPLOYER CONTRIBUTION
    G3744_4         G94.FORM OF EMPLOYER CONTRIBUTION
    G3745_1         G94A.EMPLOYER CONTRIBUTION-PCT
    G3745_2         G94A.EMPLOYER CONTRIBUTION-PCT
    G3745_3         G94A.EMPLOYER CONTRIBUTION-PCT
    G3745_4         G94A.EMPLOYER CONTRIBUTION-PCT
    G3746_1         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    G3746_2         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    G3746_3         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    G3746_4         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    G3747_1         G94C.EMPLOYER CONTRIBUTION-PER
    G3747_2         G94C.EMPLOYER CONTRIBUTION-PER
    G3747_3         G94C.EMPLOYER CONTRIBUTION-PER
    G3747_4         G94C.EMPLOYER CONTRIBUTION-PER
HRS 2002:
    HJ268           PENSION RULES CHANGED
    HJ272_1         TYPE OF PENSION- 1
    HJ272_2         TYPE OF PENSION- 2
    HJ272_3         TYPE OF PENSION- 3
    HJ272_4         TYPE OF PENSION- 4
    HJ338_1         PENSION PLAN TYPE- 1
    HJ338_2         PENSION PLAN TYPE- 2
    HJ338_3         PENSION PLAN TYPE- 3
    HJ338_4         PENSION PLAN TYPE- 4
    HJ396_1         FORM OF EMPLOYER CONTRIBUTION-1
    HJ396_2         FORM OF EMPLOYER CONTRIBUTION-2
    HJ396_3         FORM OF EMPLOYER CONTRIBUTION-3
    HJ396_4         FORM OF EMPLOYER CONTRIBUTION-4
    HJ397_1         EMPLOYER CONTRIBUTION-PCT-1
    HJ397_2         EMPLOYER CONTRIBUTION-PCT-2
    HJ397_3         EMPLOYER CONTRIBUTION-PCT-3
    HJ397_4         EMPLOYER CONTRIBUTION-PCT-4
    HJ398_1         AMT-EMPLOYER CONTRIBUTION-1
    HJ398_2         AMT-EMPLOYER CONTRIBUTION-2
    HJ398_3         AMT-EMPLOYER CONTRIBUTION-3
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    HJ398_4         AMT-EMPLOYER CONTRIBUTION-4
    HJ402_1         AMOUNT EMPLOYER CONTRIBUTION - PER-1
    HJ402_2         AMOUNT EMPLOYER CONTRIBUTION - PER-2
    HJ402_3         AMOUNT EMPLOYER CONTRIBUTION - PER-3
    HJ402_4         AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2004:
    JJ268           PENSION RULES CHANGED
    JJ338A          PENSION PLAN TYPE- 1
    JJ338B          PENSION PLAN TYPE- 2
    JJ338C          PENSION PLAN TYPE- 3
    JJ338D          PENSION PLAN TYPE- 4
    JJ396A          FORM OF EMPLOYER CONTRIBUTION-1
    JJ396B          FORM OF EMPLOYER CONTRIBUTION-2
    JJ396C          FORM OF EMPLOYER CONTRIBUTION-3
    JJ396D          FORM OF EMPLOYER CONTRIBUTION-4
    JJ397A          EMPLOYER CONTRIBUTION-PCT-1
    JJ397B          EMPLOYER CONTRIBUTION-PCT-2
    JJ397C          EMPLOYER CONTRIBUTION-PCT-3
    JJ397D          EMPLOYER CONTRIBUTION-PCT-4
    JJ398A          AMT-EMPLOYER CONTRIBUTION-1
    JJ398B          AMT-EMPLOYER CONTRIBUTION-2
    JJ398C          AMT-EMPLOYER CONTRIBUTION-3
    JJ398D          AMT-EMPLOYER CONTRIBUTION-4
    JJ402A          AMOUNT EMPLOYER CONTRIBUTION - PER-1
    JJ402B          AMOUNT EMPLOYER CONTRIBUTION - PER-2
    JJ402C          AMOUNT EMPLOYER CONTRIBUTION - PER-3
    JJ402D          AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2006:
    KJ268           PENSION RULES CHANGED
    KJ272A          TYPE OF PENSION- 1 -1
    KJ272B          TYPE OF PENSION- 1 -2
    KJ272C          TYPE OF PENSION- 1 -3
    KJ272D          TYPE OF PENSION- 1 -4
    KJ338A          PENSION PLAN TYPE- 1
    KJ338B          PENSION PLAN TYPE- 2
    KJ338C          PENSION PLAN TYPE- 3
    KJ338D          PENSION PLAN TYPE- 4
    KJ397A          EMPLOYER CONTRIBUTION-PCT-1
    KJ397B          EMPLOYER CONTRIBUTION-PCT-2
    KJ397C          EMPLOYER CONTRIBUTION-PCT-3
    KJ397D          EMPLOYER CONTRIBUTION-PCT-4
    KJ398A          AMT-EMPLOYER CONTRIBUTION-1
    KJ398B          AMT-EMPLOYER CONTRIBUTION-2
    KJ398C          AMT-EMPLOYER CONTRIBUTION-3
    KJ398D          AMT-EMPLOYER CONTRIBUTION-4
    KJ402A          AMOUNT EMPLOYER CONTRIBUTION - PER-1
    KJ402B          AMOUNT EMPLOYER CONTRIBUTION - PER-2
    KJ402C          AMOUNT EMPLOYER CONTRIBUTION - PER-3
    KJ402D          AMOUNT EMPLOYER CONTRIBUTION - PER-4
    KJ757A          FORM OF EMPLOYER CONTRIBUTION -1
    KJ757B          FORM OF EMPLOYER CONTRIBUTION -2
    KJ757C          FORM OF EMPLOYER CONTRIBUTION -3
    KJ757D          FORM OF EMPLOYER CONTRIBUTION -4
    KJ758A          EMPLOYER CONTRIBUTION-PCT -1
    KJ758B          EMPLOYER CONTRIBUTION-PCT -2
    KJ758C          EMPLOYER CONTRIBUTION-PCT -3
    KJ758D          EMPLOYER CONTRIBUTION-PCT -4
    KJ762A          AMT-EMPLOYER CONTRIBUTION -1
    KJ762B          AMT-EMPLOYER CONTRIBUTION -2
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    KJ762C          AMT-EMPLOYER CONTRIBUTION -3
    KJ762D          AMT-EMPLOYER CONTRIBUTION -4
    KJ766A          AMOUNT EMPLOYER CONTRIBUTION - PER -1
    KJ766B          AMOUNT EMPLOYER CONTRIBUTION - PER -2
    KJ766C          AMOUNT EMPLOYER CONTRIBUTION - PER -3
    KJ766D          AMOUNT EMPLOYER CONTRIBUTION - PER -4
HRS 2008:
    LJ045           STILL WORKING PREV EMPLOYER
    LJ248           MO-START WORK FOR CURRENT EMPLOYER
    LJ249           YR-START WORK FOR CURRENT EMPLOYER
    LJ256           YR BEGIN CURRENT EMPLOYMENT
    LJ335           # PENSION PLANS INCLUDED
    LJ336           INCLUDED ONE PLAN OR MORE
    LJ338_1         PENSION PLAN TYPE- 1
    LJ338_2         PENSION PLAN TYPE- 2
    LJ338_3         PENSION PLAN TYPE- 3
    LJ338_4         PENSION PLAN TYPE- 4
    LJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    LJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    LJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    LJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    LJ396_1         FORM OF EMPLOYER CONTRIBUTION-1
    LJ396_2         FORM OF EMPLOYER CONTRIBUTION-2
    LJ396_3         FORM OF EMPLOYER CONTRIBUTION-3
    LJ396_4         FORM OF EMPLOYER CONTRIBUTION-4
    LJ397_1         EMPLOYER CONTRIBUTION-PCT-1
    LJ397_2         EMPLOYER CONTRIBUTION-PCT-2
    LJ397_3         EMPLOYER CONTRIBUTION-PCT-3
    LJ397_4         EMPLOYER CONTRIBUTION-PCT-4
    LJ398_1         AMT-EMPLOYER CONTRIBUTION-1
    LJ398_2         AMT-EMPLOYER CONTRIBUTION-2
    LJ398_3         AMT-EMPLOYER CONTRIBUTION-3
    LJ398_4         AMT-EMPLOYER CONTRIBUTION-4
    LJ402_1         AMOUNT EMPLOYER CONTRIBUTION - PER-1
    LJ402_2         AMOUNT EMPLOYER CONTRIBUTION - PER-2
    LJ402_3         AMOUNT EMPLOYER CONTRIBUTION - PER-3
    LJ402_4         AMOUNT EMPLOYER CONTRIBUTION - PER-4
    LJ856           PARTICIPATING IN NEW PLAN
    LJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    LJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    LJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    LJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
    LJ894_1         EMPLOYER CONTRIBUTION-PCT -1
    LJ894_2         EMPLOYER CONTRIBUTION-PCT -2
    LJ894_3         EMPLOYER CONTRIBUTION-PCT -3
    LJ894_4         EMPLOYER CONTRIBUTION-PCT -4
    LZ092           PREV WAVE IW MONTH
    LZ093           PREV WAVE IW YEAR
    LZ133           PREV WAVE R HAD PENSION ON JOB
HRS 2010:
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    MJ045           STILL WORKING PREV EMPLOYER
    MJ248           MO-START WORK FOR CURRENT EMPLOYER
    MJ249           YR-START WORK FOR CURRENT EMPLOYER
    MJ256           YR BEGIN CURRENT EMPLOYMENT
    MJ335           # PENSION PLANS INCLUDED
    MJ336           INCLUDED ONE PLAN OR MORE
    MJ338_1         PENSION PLAN TYPE- 1
    MJ338_2         PENSION PLAN TYPE- 2
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    MJ338_3         PENSION PLAN TYPE- 3
    MJ338_4         PENSION PLAN TYPE- 4
    MJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    MJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    MJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    MJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    MJ396_1         FORM OF EMPLOYER CONTRIBUTION-1
    MJ396_2         FORM OF EMPLOYER CONTRIBUTION-2
    MJ396_3         FORM OF EMPLOYER CONTRIBUTION-3
    MJ396_4         FORM OF EMPLOYER CONTRIBUTION-4
    MJ397_1         EMPLOYER CONTRIBUTION-PCT-1
    MJ397_2         EMPLOYER CONTRIBUTION-PCT-2
    MJ397_3         EMPLOYER CONTRIBUTION-PCT-3
    MJ397_4         EMPLOYER CONTRIBUTION-PCT-4
    MJ398_1         AMT-EMPLOYER CONTRIBUTION-1
    MJ398_2         AMT-EMPLOYER CONTRIBUTION-2
    MJ398_3         AMT-EMPLOYER CONTRIBUTION-3
    MJ398_4         AMT-EMPLOYER CONTRIBUTION-4
    MJ402_1         AMOUNT EMPLOYER CONTRIBUTION - PER-1
    MJ402_2         AMOUNT EMPLOYER CONTRIBUTION - PER-2
    MJ402_3         AMOUNT EMPLOYER CONTRIBUTION - PER-3
    MJ402_4         AMOUNT EMPLOYER CONTRIBUTION - PER-4
    MJ856           PARTICIPATING IN NEW PLAN
    MJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    MJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    MJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    MJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
    MJ894_1         EMPLOYER CONTRIBUTION-PCT -1
    MJ894_2         EMPLOYER CONTRIBUTION-PCT -2
    MJ894_3         EMPLOYER CONTRIBUTION-PCT -3
    MJ894_4         EMPLOYER CONTRIBUTION-PCT -4
    MZ092           PREV WAVE IW MONTH
    MZ093           PREV WAVE IW YEAR
    MZ133           PREV WAVE R HAD PENSION ON JOB
    MZ136           PREV WAVE SELF/ELSE EMPLOYED
HRS 2012:
    NJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    NJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    NJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    NJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    NJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    NJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    NJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    NJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    NJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    NJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
    NJ2396_1        FORM OF EMPLOYER CONTRIBUTION -1_1
    NJ2396_10       FORM OF EMPLOYER CONTRIBUTION -1_10
    NJ2396_2        FORM OF EMPLOYER CONTRIBUTION -1_2
    NJ2396_3        FORM OF EMPLOYER CONTRIBUTION -1_3
    NJ2396_4        FORM OF EMPLOYER CONTRIBUTION -1_4
    NJ2396_5        FORM OF EMPLOYER CONTRIBUTION -1_5
    NJ2396_6        FORM OF EMPLOYER CONTRIBUTION -1_6
    NJ2396_7        FORM OF EMPLOYER CONTRIBUTION -1_7
    NJ2396_8        FORM OF EMPLOYER CONTRIBUTION -1_8
    NJ2396_9        FORM OF EMPLOYER CONTRIBUTION -1_9
    NJ2397_1        PCT-EMPLOYER CONTRIBUTION -1_1
    NJ2397_10       PCT-EMPLOYER CONTRIBUTION -1_10
    NJ2397_2        PCT-EMPLOYER CONTRIBUTION -1_2
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NJ2397_3        PCT-EMPLOYER CONTRIBUTION -1_3
NJ2397_4        PCT-EMPLOYER CONTRIBUTION -1_4
NJ2397_5        PCT-EMPLOYER CONTRIBUTION -1_5
NJ2397_6        PCT-EMPLOYER CONTRIBUTION -1_6
NJ2397_7        PCT-EMPLOYER CONTRIBUTION -1_7
NJ2397_8        PCT-EMPLOYER CONTRIBUTION -1_8
NJ2397_9        PCT-EMPLOYER CONTRIBUTION -1_9
NJ2398_1        AMT-EMPLOYER CONTRIBUTION -1_1
NJ2398_10       AMT-EMPLOYER CONTRIBUTION -1_10
NJ2398_2        AMT-EMPLOYER CONTRIBUTION -1_2
NJ2398_3        AMT-EMPLOYER CONTRIBUTION -1_3
NJ2398_4        AMT-EMPLOYER CONTRIBUTION -1_4
NJ2398_5        AMT-EMPLOYER CONTRIBUTION -1_5
NJ2398_6        AMT-EMPLOYER CONTRIBUTION -1_6
NJ2398_7        AMT-EMPLOYER CONTRIBUTION -1_7
NJ2398_8        AMT-EMPLOYER CONTRIBUTION -1_8
NJ2398_9        AMT-EMPLOYER CONTRIBUTION -1_9
NJ2402_1        AMT EMPLOYER CONTRIBUTION - PER -1_1
NJ2402_10       AMT EMPLOYER CONTRIBUTION - PER -1_10
NJ2402_2        AMT EMPLOYER CONTRIBUTION - PER -1_2
NJ2402_3        AMT EMPLOYER CONTRIBUTION - PER -1_3
NJ2402_4        AMT EMPLOYER CONTRIBUTION - PER -1_4
NJ2402_5        AMT EMPLOYER CONTRIBUTION - PER -1_5
NJ2402_6        AMT EMPLOYER CONTRIBUTION - PER -1_6
NJ2402_7        AMT EMPLOYER CONTRIBUTION - PER -1_7
NJ2402_8        AMT EMPLOYER CONTRIBUTION - PER -1_8
NJ2402_9        AMT EMPLOYER CONTRIBUTION - PER -1_9
NJ2878_1        FORM OF EMPLOYER CONTRIBUTION -1_1
NJ2878_10       FORM OF EMPLOYER CONTRIBUTION -1_10
NJ2878_2        FORM OF EMPLOYER CONTRIBUTION -1_2
NJ2878_3        FORM OF EMPLOYER CONTRIBUTION -1_3
NJ2878_4        FORM OF EMPLOYER CONTRIBUTION -1_4
NJ2878_5        FORM OF EMPLOYER CONTRIBUTION -1_5
NJ2878_6        FORM OF EMPLOYER CONTRIBUTION -1_6
NJ2878_7        FORM OF EMPLOYER CONTRIBUTION -1_7
NJ2878_8        FORM OF EMPLOYER CONTRIBUTION -1_8
NJ2878_9        FORM OF EMPLOYER CONTRIBUTION -1_9
NJ2886_1        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_1
NJ2886_10       PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_10
NJ2886_2        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_2
NJ2886_3        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_3
NJ2886_4        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_4
NJ2886_5        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_5
NJ2886_6        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_6
NJ2886_7        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_7
NJ2886_8        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_8
NJ2886_9        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_9
NJ2945_1        PENSION RULES CHANGED -1_1
NJ2945_10       PENSION RULES CHANGED -1_10
NJ2945_2        PENSION RULES CHANGED -1_2
NJ2945_3        PENSION RULES CHANGED -1_3
NJ2945_4        PENSION RULES CHANGED -1_4
NJ2945_5        PENSION RULES CHANGED -1_5
NJ2945_6        PENSION RULES CHANGED -1_6
NJ2945_7        PENSION RULES CHANGED -1_7
NJ2945_8        PENSION RULES CHANGED -1_8
NJ2945_9        PENSION RULES CHANGED -1_9
NJ2W401_1       ANY OTHER PENSIONS_1
NJ2W401_10      ANY OTHER PENSIONS_10
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    NJ2W401_2       ANY OTHER PENSIONS_2
    NJ2W401_3       ANY OTHER PENSIONS_3
    NJ2W401_4       ANY OTHER PENSIONS_4
    NJ2W401_5       ANY OTHER PENSIONS_5
    NJ2W401_6       ANY OTHER PENSIONS_6
    NJ2W401_7       ANY OTHER PENSIONS_7
    NJ2W401_8       ANY OTHER PENSIONS_8
    NJ2W401_9       ANY OTHER PENSIONS_9
    NJ2W403_1       STILL HAVE PLAN NOW_1
    NJ2W403_10      STILL HAVE PLAN NOW_10
    NJ2W403_2       STILL HAVE PLAN NOW_2
    NJ2W403_3       STILL HAVE PLAN NOW_3
    NJ2W403_4       STILL HAVE PLAN NOW_4
    NJ2W403_5       STILL HAVE PLAN NOW_5
    NJ2W403_6       STILL HAVE PLAN NOW_6
    NJ2W403_7       STILL HAVE PLAN NOW_7
    NJ2W403_8       STILL HAVE PLAN NOW_8
    NJ2W403_9       STILL HAVE PLAN NOW_9
    NJ2W407_1       TYPE -1_1
    NJ2W407_10      TYPE -1_10
    NJ2W407_2       TYPE -1_2
    NJ2W407_3       TYPE -1_3
    NJ2W407_4       TYPE -1_4
    NJ2W407_5       TYPE -1_5
    NJ2W407_6       TYPE -1_6
    NJ2W407_7       TYPE -1_7
    NJ2W407_8       TYPE -1_8
    NJ2W407_9       TYPE -1_9
    NJ2W429_1       HOW PENSION RULES CHANGED -1_1
    NJ2W429_10      HOW PENSION RULES CHANGED -1_10
    NJ2W429_2       HOW PENSION RULES CHANGED -1_2
    NJ2W429_3       HOW PENSION RULES CHANGED -1_3
    NJ2W429_4       HOW PENSION RULES CHANGED -1_4
    NJ2W429_5       HOW PENSION RULES CHANGED -1_5
    NJ2W429_6       HOW PENSION RULES CHANGED -1_6
    NJ2W429_7       HOW PENSION RULES CHANGED -1_7
    NJ2W429_8       HOW PENSION RULES CHANGED -1_8
    NJ2W429_9       HOW PENSION RULES CHANGED -1_9
    NJ2W451_1       PLAN ACTIVE OR DEAD -1_1
    NJ2W451_10      PLAN ACTIVE OR DEAD -1_10
    NJ2W451_2       PLAN ACTIVE OR DEAD -1_2
    NJ2W451_3       PLAN ACTIVE OR DEAD -1_3
    NJ2W451_4       PLAN ACTIVE OR DEAD -1_4
    NJ2W451_5       PLAN ACTIVE OR DEAD -1_5
    NJ2W451_6       PLAN ACTIVE OR DEAD -1_6
    NJ2W451_7       PLAN ACTIVE OR DEAD -1_7
    NJ2W451_8       PLAN ACTIVE OR DEAD -1_8
    NJ2W451_9       PLAN ACTIVE OR DEAD -1_9
    NJ2W452_1       WHETHER PLAN FROM NEW OR SAME JOB -1_1
    NJ2W452_10      WHETHER PLAN FROM NEW OR SAME JOB -1_10
    NJ2W452_2       WHETHER PLAN FROM NEW OR SAME JOB -1_2
    NJ2W452_3       WHETHER PLAN FROM NEW OR SAME JOB -1_3
    NJ2W452_4       WHETHER PLAN FROM NEW OR SAME JOB -1_4
    NJ2W452_5       WHETHER PLAN FROM NEW OR SAME JOB -1_5
    NJ2W452_6       WHETHER PLAN FROM NEW OR SAME JOB -1_6
    NJ2W452_7       WHETHER PLAN FROM NEW OR SAME JOB -1_7
    NJ2W452_8       WHETHER PLAN FROM NEW OR SAME JOB -1_8
    NJ2W452_9       WHETHER PLAN FROM NEW OR SAME JOB -1_9
HRS 2014:
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OJ2338_1	PENSION PLAN TYPE-DB OR DC_1
OJ2338_10	PENSION PLAN TYPE-DB OR DC_10
OJ2338_2	PENSION PLAN TYPE-DB OR DC_2
OJ2338_3	PENSION PLAN TYPE-DB OR DC_3
OJ2338_4	PENSION PLAN TYPE-DB OR DC_4
OJ2338_5	PENSION PLAN TYPE-DB OR DC_5
OJ2338_6	PENSION PLAN TYPE-DB OR DC_6
OJ2338_7	PENSION PLAN TYPE-DB OR DC_7
OJ2338_8	PENSION PLAN TYPE-DB OR DC_8
OJ2338_9	PENSION PLAN TYPE-DB OR DC_9
OJ2396_1	FORM OF EMPLOYER CONTRIBUTION_1
OJ2396_10	FORM OF EMPLOYER CONTRIBUTION_10
OJ2396_2	FORM OF EMPLOYER CONTRIBUTION_2
OJ2396_3	FORM OF EMPLOYER CONTRIBUTION_3
OJ2396_4	FORM OF EMPLOYER CONTRIBUTION_4
OJ2396_5	FORM OF EMPLOYER CONTRIBUTION_5
OJ2396_6	FORM OF EMPLOYER CONTRIBUTION_6
OJ2396_7	FORM OF EMPLOYER CONTRIBUTION_7
OJ2396_8	FORM OF EMPLOYER CONTRIBUTION_8
OJ2396_9	FORM OF EMPLOYER CONTRIBUTION_9
OJ2397_1	PCT-EMPLOYER CONTRIBUTION_1
OJ2397_10	PCT-EMPLOYER CONTRIBUTION_10
OJ2397_2	PCT-EMPLOYER CONTRIBUTION_2
OJ2397_3	PCT-EMPLOYER CONTRIBUTION_3
OJ2397_4	PCT-EMPLOYER CONTRIBUTION_4
OJ2397_5	PCT-EMPLOYER CONTRIBUTION_5
OJ2397_6	PCT-EMPLOYER CONTRIBUTION_6
OJ2397_7	PCT-EMPLOYER CONTRIBUTION_7
OJ2397_8	PCT-EMPLOYER CONTRIBUTION_8
OJ2397_9	PCT-EMPLOYER CONTRIBUTION_9
OJ2398_1	AMT-EMPLOYER CONTRIBUTION_1
OJ2398_10	AMT-EMPLOYER CONTRIBUTION_10
OJ2398_2	AMT-EMPLOYER CONTRIBUTION_2
OJ2398_3	AMT-EMPLOYER CONTRIBUTION_3
OJ2398_4	AMT-EMPLOYER CONTRIBUTION_4
OJ2398_5	AMT-EMPLOYER CONTRIBUTION_5
OJ2398_6	AMT-EMPLOYER CONTRIBUTION_6
OJ2398_7	AMT-EMPLOYER CONTRIBUTION_7
OJ2398_8	AMT-EMPLOYER CONTRIBUTION_8
OJ2398_9	AMT-EMPLOYER CONTRIBUTION_9
OJ2402_1	AMT EMPLOYER CONTRIBUTION-PER_1
OJ2402_10	AMT EMPLOYER CONTRIBUTION-PER_10
OJ2402_2	AMT EMPLOYER CONTRIBUTION-PER_2
OJ2402_3	AMT EMPLOYER CONTRIBUTION-PER_3
OJ2402_4	AMT EMPLOYER CONTRIBUTION-PER_4
OJ2402_5	AMT EMPLOYER CONTRIBUTION-PER_5
OJ2402_6	AMT EMPLOYER CONTRIBUTION-PER_6
OJ2402_7	AMT EMPLOYER CONTRIBUTION-PER_7
OJ2402_8	AMT EMPLOYER CONTRIBUTION-PER_8
OJ2402_9	AMT EMPLOYER CONTRIBUTION-PER_9
OJ2878_1	FORM OF EMPLOYER CONTRIBUTION_1
OJ2878_10	FORM OF EMPLOYER CONTRIBUTION_10
OJ2878_2	FORM OF EMPLOYER CONTRIBUTION_2
OJ2878_3	FORM OF EMPLOYER CONTRIBUTION_3
OJ2878_4	FORM OF EMPLOYER CONTRIBUTION_4
OJ2878_5	FORM OF EMPLOYER CONTRIBUTION_5
OJ2878_6	FORM OF EMPLOYER CONTRIBUTION_6
OJ2878_7	FORM OF EMPLOYER CONTRIBUTION_7
OJ2878_8	FORM OF EMPLOYER CONTRIBUTION_8

OJ2878_9	FORM OF EMPLOYER CONTRIBUTION_9
OJ2945_1	PENSION RULES CHANGED_1
OJ2945_10	PENSION RULES CHANGED_10
OJ2945_2	PENSION RULES CHANGED_2
OJ2945_3	PENSION RULES CHANGED_3
OJ2945_4	PENSION RULES CHANGED_4
OJ2945_5	PENSION RULES CHANGED_5
OJ2945_6	PENSION RULES CHANGED_6
OJ2945_7	PENSION RULES CHANGED_7
OJ2945_8	PENSION RULES CHANGED_8
OJ2945_9	PENSION RULES CHANGED_9
OJ2W401_1	ANY OTHER PENSIONS_1
OJ2W401_10	ANY OTHER PENSIONS_10
OJ2W401_2	ANY OTHER PENSIONS_2
OJ2W401_3	ANY OTHER PENSIONS_3
OJ2W401_4	ANY OTHER PENSIONS_4
OJ2W401_5	ANY OTHER PENSIONS_5
OJ2W401_6	ANY OTHER PENSIONS_6
OJ2W401_7	ANY OTHER PENSIONS_7
OJ2W401_8	ANY OTHER PENSIONS_8
OJ2W401_9	ANY OTHER PENSIONS_9
OJ2W403_1	STILL HAVE PLAN NOW_1
OJ2W403_10	STILL HAVE PLAN NOW_10
OJ2W403_2	STILL HAVE PLAN NOW_2
OJ2W403_3	STILL HAVE PLAN NOW_3
OJ2W403_4	STILL HAVE PLAN NOW_4
OJ2W403_5	STILL HAVE PLAN NOW_5
OJ2W403_6	STILL HAVE PLAN NOW_6
OJ2W403_7	STILL HAVE PLAN NOW_7
OJ2W403_8	STILL HAVE PLAN NOW_8
OJ2W403_9	STILL HAVE PLAN NOW_9
OJ2W407_1	TYPE_1
OJ2W407_10	TYPE_10
OJ2W407_2	TYPE_2
OJ2W407_3	TYPE_3
OJ2W407_4	TYPE_4
OJ2W407_5	TYPE_5
OJ2W407_6	TYPE_6
OJ2W407_7	TYPE_7
OJ2W407_8	TYPE_8
OJ2W407_9	TYPE_9
OJ2W451_1	PLAN ACTIVE OR DEAD_1
OJ2W451_10	PLAN ACTIVE OR DEAD_10
OJ2W451_2	PLAN ACTIVE OR DEAD_2
OJ2W451_3	PLAN ACTIVE OR DEAD_3
OJ2W451_4	PLAN ACTIVE OR DEAD_4
OJ2W451_5	PLAN ACTIVE OR DEAD_5
OJ2W451_6	PLAN ACTIVE OR DEAD_6
OJ2W451_7	PLAN ACTIVE OR DEAD_7
OJ2W451_8	PLAN ACTIVE OR DEAD_8
OJ2W451_9	PLAN ACTIVE OR DEAD_9
OJ2W452_1	WHETHER PLAN FROM NEW OR SAME JOB_1
OJ2W452_10	WHETHER PLAN FROM NEW OR SAME JOB_10
OJ2W452_2	WHETHER PLAN FROM NEW OR SAME JOB_2
OJ2W452_3	WHETHER PLAN FROM NEW OR SAME JOB_3
OJ2W452_4	WHETHER PLAN FROM NEW OR SAME JOB_4
OJ2W452_5	WHETHER PLAN FROM NEW OR SAME JOB_5
OJ2W452_6	WHETHER PLAN FROM NEW OR SAME JOB_6
OJ2W452_7	WHETHER PLAN FROM NEW OR SAME JOB_7

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OJ2W452_8       WHETHER PLAN FROM NEW OR SAME JOB_8
OJ2W452_9       WHETHER PLAN FROM NEW OR SAME JOB_9
OJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
OJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
OJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
OJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
OJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
OJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
OJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
OJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
OJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
OJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
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Section G: Health Insurance

Covered by federal government Health insurance program

Wave	Variable	Label	Type
1	R1HIGOV	R1HIGOV:W1 R is covered by Gov plan	Categ
2	R2HIGOV	R2HIGOV:W2 R is covered by Gov plan	Categ
3	R3HIGOV	R3HIGOV:W3 R is covered by Gov plan	Categ
4	R4HIGOV	R4HIGOV:W4 R is covered by Gov plan	Categ
5	R5HIGOV	R5HIGOV:W5 R is covered by Gov plan	Categ
6	R6HIGOV	R6HIGOV:W6 R is covered by Gov plan	Categ
7	R7HIGOV	R7HIGOV:W7 R is covered by Gov plan	Categ
8	R8HIGOV	R8HIGOV:W8 R is covered by Gov plan	Categ
9	R9HIGOV	R9HIGOV:W9 R is covered by Gov plan	Categ
10	R10HIGOV	R10HIGOV:W10 R is covered by Gov plan	Categ
11	R11HIGOV	R11HIGOV:W11 R is covered by Gov plan	Categ
12	R12HIGOV	R12HIGOV:W12 R is covered by Gov plan	Categ
1	S1HIGOV	S1HIGOV:W1 S is covered by Gov plan	Categ
2	S2HIGOV	S2HIGOV:W2 S is covered by Gov plan	Categ
3	S3HIGOV	S3HIGOV:W3 S is covered by Gov plan	Categ
4	S4HIGOV	S4HIGOV:W4 S is covered by Gov plan	Categ
5	S5HIGOV	S5HIGOV:W5 S is covered by Gov plan	Categ
6	S6HIGOV	S6HIGOV:W6 S is covered by Gov plan	Categ
7	S7HIGOV	S7HIGOV:W7 S is covered by Gov plan	Categ
8	S8HIGOV	S8HIGOV:W8 S is covered by Gov plan	Categ
9	S9HIGOV	S9HIGOV:W9 S is covered by Gov plan	Categ
10	S10HIGOV	S10HIGOV:W10 S is covered by Gov plan	Categ
11	S11HIGOV	S11HIGOV:W11 S is covered by Gov plan	Categ
12	S12HIGOV	S12HIGOV:W12 S is covered by Gov plan	Categ
1	R1GOVMR	R1GOVMR:W1 R has Gov plan-Medicare	Categ
2	R2GOVMR	R2GOVMR:W2 R has Gov plan-Medicare	Categ
3	R3GOVMR	R3GOVMR:W3 R has Gov plan-Medicare	Categ
4	R4GOVMR	R4GOVMR:W4 R has Gov plan-Medicare	Categ
5	R5GOVMR	R5GOVMR:W5 R has Gov plan-Medicare	Categ
6	R6GOVMR	R6GOVMR:W6 R has Gov plan-Medicare	Categ
7	R7GOVMR	R7GOVMR:W7 R has Gov plan-Medicare	Categ
8	R8GOVMR	R8GOVMR:W8 R has Gov plan-Medicare	Categ
9	R9GOVMR	R9GOVMR:W9 R has Gov plan-Medicare	Categ
10	R10GOVMR	R10GOVMR:W10 R has Gov plan-Medicare	Categ
11	R11GOVMR	R11GOVMR:W11 R has Gov plan-Medicare	Categ
12	R12GOVMR	R12GOVMR:W12 R has Gov plan-Medicare	Categ
1	S1GOVMR	S1GOVMR:W1 S has Gov plan-Medicare	Categ
2	S2GOVMR	S2GOVMR:W2 S has Gov plan-Medicare	Categ
3	S3GOVMR	S3GOVMR:W3 S has Gov plan-Medicare	Categ
4	S4GOVMR	S4GOVMR:W4 S has Gov plan-Medicare	Categ
5	S5GOVMR	S5GOVMR:W5 S has Gov plan-Medicare	Categ
6	S6GOVMR	S6GOVMR:W6 S has Gov plan-Medicare	Categ
7	S7GOVMR	S7GOVMR:W7 S has Gov plan-Medicare	Categ
8	S8GOVMR	S8GOVMR:W8 S has Gov plan-Medicare	Categ
9	S9GOVMR	S9GOVMR:W9 S has Gov plan-Medicare	Categ
10	S10GOVMR	S10GOVMR:W10 S has Gov plan-Medicare	Categ
11	S11GOVMR	S11GOVMR:W11 S has Gov plan-Medicare	Categ
12	S12GOVMR	S12GOVMR:W12 S has Gov plan-Medicare	Categ
1	R1GOVMD	R1GOVMD:W1 R has Gov plan-Medicaid	Categ
2	R2GOVMD	R2GOVMD:W2 R has Gov plan-Medicaid	Categ
3	R3GOVMD	R3GOVMD:W3 R has Gov plan-Medicaid	Categ
4	R4GOVMD	R4GOVMD:W4 R has Gov plan-Medicaid	Categ
5	R5GOVMD	R5GOVMD:W5 R has Gov plan-Medicaid	Categ
6	R6GOVMD	R6GOVMD:W6 R has Gov plan-Medicaid	Categ
7	R7GOVMD	R7GOVMD:W7 R has Gov plan-Medicaid	Categ
8	R8GOVMD	R8GOVMD:W8 R has Gov plan-Medicaid	Categ
9	R9GOVMD	R9GOVMD:W9 R has Gov plan-Medicaid	Categ
10	R10GOVMD	R10GOVMD:W10 R has Gov plan-Medicaid	Categ
11	R11GOVMD	R11GOVMD:W11 R has Gov plan-Medicaid	Categ
12	R12GOVMD	R12GOVMD:W12 R has Gov plan-Medicaid	Categ
1	S1GOVMD	S1GOVMD:W1 S has Gov plan-Medicaid	Categ

2	S2GOVMD	S2GOVMD:W2 S has Gov plan-Medicaid	Categ
3	S3GOVMD	S3GOVMD:W3 S has Gov plan-Medicaid	Categ
4	S4GOVMD	S4GOVMD:W4 S has Gov plan-Medicaid	Categ
5	S5GOVMD	S5GOVMD:W5 S has Gov plan-Medicaid	Categ
6	S6GOVMD	S6GOVMD:W6 S has Gov plan-Medicaid	Categ
7	S7GOVMD	S7GOVMD:W7 S has Gov plan-Medicaid	Categ
8	S8GOVMD	S8GOVMD:W8 S has Gov plan-Medicaid	Categ
9	S9GOVMD	S9GOVMD:W9 S has Gov plan-Medicaid	Categ
10	S10GOVMD	S10GOVMD:W10 S has Gov plan-Medicaid	Categ
11	S11GOVMD	S11GOVMD:W11 S has Gov plan-Medicaid	Categ
12	S12GOVMD	S12GOVMD:W12 S has Gov plan-Medicaid	Categ
1	R1GOVVA	R1GOVVA:W1 R has Gov plan-Champus/VA	Categ
2	R2GOVVA	R2GOVVA:W2 R has Gov plan-Champus/VA	Categ
3	R3GOVVA	R3GOVVA:W3 R has Gov plan-Champus/VA	Categ
4	R4GOVVA	R4GOVVA:W4 R has Gov plan-Champus/VA	Categ
5	R5GOVVA	R5GOVVA:W5 R has Gov plan-Champus/VA	Categ
6	R6GOVVA	R6GOVVA:W6 R has Gov plan-Champus/VA	Categ
7	R7GOVVA	R7GOVVA:W7 R has Gov plan-Champus/VA	Categ
8	R8GOVVA	R8GOVVA:W8 R has Gov plan-Champus/VA	Categ
9	R9GOVVA	R9GOVVA:W9 R has Gov plan-Champus/VA	Categ
10	R10GOVVA	R10GOVVA:W10 R has Gov plan-Champus/VA	Categ
11	R11GOVVA	R11GOVVA:W11 R has Gov plan-Champus/VA	Categ
12	R12GOVVA	R12GOVVA:W12 R has Gov plan-Champus/VA	Categ
1	S1GOVVA	S1GOVVA:W1 S has Gov plan-Champus/VA	Categ
2	S2GOVVA	S2GOVVA:W2 S has Gov plan-Champus/VA	Categ
3	S3GOVVA	S3GOVVA:W3 S has Gov plan-Champus/VA	Categ
4	S4GOVVA	S4GOVVA:W4 S has Gov plan-Champus/VA	Categ
5	S5GOVVA	S5GOVVA:W5 S has Gov plan-Champus/VA	Categ
6	S6GOVVA	S6GOVVA:W6 S has Gov plan-Champus/VA	Categ
7	S7GOVVA	S7GOVVA:W7 S has Gov plan-Champus/VA	Categ
8	S8GOVVA	S8GOVVA:W8 S has Gov plan-Champus/VA	Categ
9	S9GOVVA	S9GOVVA:W9 S has Gov plan-Champus/VA	Categ
10	S10GOVVA	S10GOVVA:W10 S has Gov plan-Champus/VA	Categ
11	S11GOVVA	S11GOVVA:W11 S has Gov plan-Champus/VA	Categ
12	S12GOVVA	S12GOVVA:W12 S has Gov plan-Champus/VA	Categ
1	R1GOVOT	R1GOVOT:W1 R has Gov plan-Other	Categ
2	R2GOVOT	R2GOVOT:W2 R has Gov plan-Other	Categ
3	R3GOVOT	R3GOVOT:W3 R has Gov plan-Other	Categ
1	S1GOVOT	S1GOVOT:W1 S has Gov plan-Other	Categ
2	S2GOVOT	S2GOVOT:W2 S has Gov plan-Other	Categ
3	S3GOVOT	S3GOVOT:W3 S has Gov plan-Other	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIGOV	12445	0.16	0.37	0.0	1.0
R2HIGOV	19587	0.52	0.50	0.0	1.0
R3HIGOV	17912	0.54	0.50	0.0	1.0
R4HIGOV	21274	0.56	0.50	0.0	1.0
R5HIGOV	19492	0.60	0.49	0.0	1.0
R6HIGOV	18118	0.66	0.47	0.0	1.0
R7HIGOV	20052	0.61	0.49	0.0	1.0
R8HIGOV	18417	0.66	0.47	0.0	1.0
R9HIGOV	17154	0.70	0.46	0.0	1.0
R10HIGOV	21679	0.58	0.49	0.0	1.0
R11HIGOV	20415	0.60	0.49	0.0	1.0
R12HIGOV	18598	0.65	0.48	0.0	1.0
S1HIGOV	10132	0.15	0.35	0.0	1.0
S2HIGOV	13069	0.44	0.50	0.0	1.0

S3HIGOV	11886	0.47	0.50	0.0	1.0
S4HIGOV	13945	0.49	0.50	0.0	1.0
S5HIGOV	12703	0.53	0.50	0.0	1.0
S6HIGOV	11615	0.59	0.49	0.0	1.0
S7HIGOV	12939	0.54	0.50	0.0	1.0
S8HIGOV	11717	0.59	0.49	0.0	1.0
S9HIGOV	10618	0.63	0.48	0.0	1.0
S10HIGOV	13322	0.52	0.50	0.0	1.0
S11HIGOV	12429	0.54	0.50	0.0	1.0
S12HIGOV	10968	0.58	0.49	0.0	1.0
R1GOVMR	12441	0.08	0.27	0.0	1.0
R2GOVMR	19583	0.46	0.50	0.0	1.0
R3GOVMR	17919	0.49	0.50	0.0	1.0
R4GOVMR	21277	0.52	0.50	0.0	1.0
R5GOVMR	19486	0.57	0.50	0.0	1.0
R6GOVMR	18115	0.62	0.48	0.0	1.0
R7GOVMR	20061	0.57	0.49	0.0	1.0
R8GOVMR	18420	0.63	0.48	0.0	1.0
R9GOVMR	17156	0.67	0.47	0.0	1.0
R10GOVMR	21681	0.53	0.50	0.0	1.0
R11GOVMR	20421	0.56	0.50	0.0	1.0
R12GOVMR	18606	0.59	0.49	0.0	1.0
S1GOVMR	10130	0.08	0.27	0.0	1.0
S2GOVMR	13070	0.38	0.49	0.0	1.0
S3GOVMR	11891	0.42	0.49	0.0	1.0
S4GOVMR	13947	0.46	0.50	0.0	1.0
S5GOVMR	12703	0.50	0.50	0.0	1.0
S6GOVMR	11615	0.55	0.50	0.0	1.0
S7GOVMR	12947	0.51	0.50	0.0	1.0
S8GOVMR	11719	0.56	0.50	0.0	1.0
S9GOVMR	10620	0.61	0.49	0.0	1.0
S10GOVMR	13328	0.48	0.50	0.0	1.0
S11GOVMR	12431	0.50	0.50	0.0	1.0
S12GOVMR	10972	0.53	0.50	0.0	1.0
R1GOVMD	12441	0.04	0.20	0.0	1.0
R2GOVMD	19548	0.07	0.26	0.0	1.0
R3GOVMD	17850	0.08	0.27	0.0	1.0
R4GOVMD	21238	0.08	0.27	0.0	1.0
R5GOVMD	19473	0.08	0.27	0.0	1.0
R6GOVMD	18065	0.08	0.28	0.0	1.0
R7GOVMD	20006	0.09	0.28	0.0	1.0
R8GOVMD	18340	0.08	0.27	0.0	1.0
R9GOVMD	17061	0.09	0.29	0.0	1.0
R10GOVMD	21559	0.10	0.30	0.0	1.0
R11GOVMD	20327	0.10	0.30	0.0	1.0
R12GOVMD	18502	0.12	0.32	0.0	1.0
S1GOVMD	10130	0.02	0.14	0.0	1.0
S2GOVMD	13056	0.04	0.19	0.0	1.0
S3GOVMD	11871	0.04	0.19	0.0	1.0
S4GOVMD	13931	0.04	0.19	0.0	1.0
S5GOVMD	12700	0.04	0.20	0.0	1.0
S6GOVMD	11599	0.04	0.20	0.0	1.0
S7GOVMD	12931	0.04	0.20	0.0	1.0
S8GOVMD	11690	0.04	0.20	0.0	1.0
S9GOVMD	10604	0.05	0.21	0.0	1.0

S10GOVMD	13284	0.06	0.23	0.0	1.0
S11GOVMD	12410	0.06	0.24	0.0	1.0
S12GOVMD	10948	0.08	0.26	0.0	1.0
R1GOVVA	12442	0.05	0.22	0.0	1.0
R2GOVVA	19482	0.04	0.19	0.0	1.0
R3GOVVA	17888	0.03	0.18	0.0	1.0
R4GOVVA	21294	0.03	0.17	0.0	1.0
R5GOVVA	19507	0.03	0.16	0.0	1.0
R6GOVVA	18118	0.05	0.22	0.0	1.0
R7GOVVA	20071	0.05	0.22	0.0	1.0
R8GOVVA	18410	0.05	0.23	0.0	1.0
R9GOVVA	17164	0.05	0.23	0.0	1.0
R10GOVVA	21723	0.06	0.23	0.0	1.0
R11GOVVA	20447	0.05	0.23	0.0	1.0
R12GOVVA	18638	0.06	0.23	0.0	1.0
S1GOVVA	10130	0.05	0.22	0.0	1.0
S2GOVVA	13014	0.05	0.21	0.0	1.0
S3GOVVA	11884	0.04	0.20	0.0	1.0
S4GOVVA	13951	0.03	0.18	0.0	1.0
S5GOVVA	12707	0.03	0.18	0.0	1.0
S6GOVVA	11613	0.06	0.24	0.0	1.0
S7GOVVA	12952	0.06	0.23	0.0	1.0
S8GOVVA	11718	0.06	0.24	0.0	1.0
S9GOVVA	10628	0.06	0.24	0.0	1.0
S10GOVVA	13347	0.06	0.24	0.0	1.0
S11GOVVA	12451	0.06	0.23	0.0	1.0
S12GOVVA	10987	0.06	0.24	0.0	1.0
R1GOVOT	12428	0.00	0.06	0.0	1.0
R2GOVOT	19482	0.01	0.10	0.0	1.0
R3GOVOT	6986	0.02	0.16	0.0	1.0
S1GOVOT	10127	0.00	0.06	0.0	1.0
S2GOVOT	13014	0.01	0.10	0.0	1.0
S3GOVOT	3597	0.03	0.16	0.0	1.0

Categorical Variable Codes

Value	R1HIGOV	R2HIGOV	R3HIGOV	R4HIGOV	R5HIGOV	R6HIGOV	R7HIGOV
.D=DK/NA	112	18	12	29	28	24	48
.M=Oth missing	95	29	58	69	49	13	17
.R=RF		8	9	12	10	10	12
0.No	10452	9423	8228	9277	7716	6200	7836
1.Yes	1993	10164	9684	11997	11776	11918	12216

Value	R8HIGOV	R9HIGOV	R10HIGOV	R11HIGOV	R12HIGOV
.D=DK/NA	33	40	78	74	85
.M=Oth missing	14	16	248	48	47
.R=RF	5	7	29	17	18
0.No	6237	5188	9039	8112	6580
1.Yes	12180	11966	12640	12303	12018

Value	S1HIGOV	S2HIGOV	S3HIGOV	S4HIGOV	S5HIGOV	S6HIGOV	S7HIGOV
.D=DK/NA	52	6	10	11	11	10	21
.M=Oth missing	95	8	17	16	10	5	2
.R=RF		5	2	6	6	9	10
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		584	418	537	311	220	380
0.No	8651	7321	6356	7095	5975	4796	5925
1.Yes	1481	5748	5530	6850	6728	6819	7014

Value	S8HIGOV	S9HIGOV	S10HIGOV	S11HIGOV	S12HIGOV
.D=DK/NA	13	20	35	42	42
.M=Oth missing	3	4	141	11	15
.R=RF	2	4	15	6	6
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	4763	3886	6337	5708	4590
1.Yes	6954	6732	6985	6721	6378

Value	R1GOVMR	R2GOVMR	R3GOVMR	R4GOVMR	R5GOVMR	R6GOVMR	R7GOVMR
.D=DK/NA	116	21	11	27	34	27	41
.M=Oth missing	95	29	52	69	49	13	17
.R=RF		9	9	11	10	10	10
0.No	11489	10572	9088	10161	8401	6816	8584
1.Yes	952	9011	8831	11116	11085	11299	11477

Value	R8GOVMR	R9GOVMR	R10GOVMR	R11GOVMR	R12GOVMR
.D=DK/NA	32	38	79	67	80
.M=Oth missing	13	16	248	48	47
.R=RF	4	7	26	18	15
0.No	6845	5686	10141	9070	7637
1.Yes	11575	11470	11540	11351	10969

Value	S1GOVMR	S2GOVMR	S3GOVMR	S4GOVMR	S5GOVMR	S6GOVMR	S7GOVMR
.D=DK/NA	54	5	8	9	11	11	15
.M=Oth missing	95	8	14	16	10	5	2
.R=RF		5	2	6	6	8	8
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		584	418	537	311	220	380
0.No	9339	8060	6887	7601	6377	5169	6342
1.Yes	791	5010	5004	6346	6326	6446	6605

Value	S8GOVMR	S9GOVMR	S10GOVMR	S11GOVMR	S12GOVMR
.D=DK/NA	12	18	30	39	39
.M=Oth missing	3	4	141	11	15
.R=RF	1	4	14	7	5
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	5112	4154	6906	6199	5153
1.Yes	6607	6466	6422	6232	5819

Value	R1GOVMD	R2GOVMD	R3GOVMD	R4GOVMD	R5GOVMD	R6GOVMD	R7GOVMD
.D=DK/NA	116	8	51	64	48	69	97
.M=Oth missing	95	78	79	69	49	14	17
.R=RF		8	11	13	9	17	9
0.No	11947	18156	16458	19581	17897	16548	18267
1.Yes	494	1392	1392	1657	1576	1517	1739

Value	R8GOVMD	R9GOVMD	R10GOVMD	R11GOVMD	R12GOVMD
.D=DK/NA	109	134	198	156	182
.M=Oth missing	15	16	248	48	47
.R=RF	5	6	29	23	17
0.No	16833	15538	19411	18237	16315
1.Yes	1507	1523	2148	2090	2187

Value	S1GOVMD	S2GOVMD	S3GOVMD	S4GOVMD	S5GOVMD	S6GOVMD	S7GOVMD
.D=DK/NA	54	4	17	24	14	23	31
.M=Oth missing	95	23	24	16	10	5	2
.R=RF		5	3	7	6	12	8
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		584	418	537	311	220	380
0.No	9926	12588	11413	13393	12182	11091	12367
1.Yes	204	468	458	538	518	508	564

Value	S8GOVMD	S9GOVMD	S10GOVMD	S11GOVMD	S12GOVMD
.D=DK/NA	40	34	74	59	64
.M=Oth missing	3	4	141	11	15
.R=RF	2	4	14	8	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11187	10126	12538	11658	10117
1.Yes	503	478	746	752	831

Value	R1GOVVA	R2GOVVA	R3GOVVA	R4GOVVA	R5GOVVA	R6GOVVA	R7GOVVA
.D=DK/NA	115	60	15	9	17	17	34
.M=Oth missing	95	78	77	69	49	14	17
.R=RF		22	11	12	6	16	7
0.No	11800	18733	17266	20679	18976	17171	19035
1.Yes	642	749	622	615	531	947	1036

Value	R8GOVVA	R9GOVVA	R10GOVVA	R11GOVVA	R12GOVVA
.D=DK/NA	40	32	43	47	52
.M=Oth missing	15	16	248	48	48
.R=RF	4	5	20	12	10
0.No	17406	16220	20502	19331	17550
1.Yes	1004	944	1221	1116	1088

Value	S1GOVVA	S2GOVVA	S3GOVVA	S4GOVVA	S5GOVVA	S6GOVVA	S7GOVVA
.D=DK/NA	54	37	7	5	8	8	12
.M=Oth missing	95	23	22	16	10	5	2
.R=RF		14	2	6	5	13	6
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		584	418	537	311	220	380
0.No	9591	12412	11395	13482	12304	10928	12222
1.Yes	539	602	489	469	403	685	730

Value	S8GOVVA	S9GOVVA	S10GOVVA	S11GOVVA	S12GOVVA
.D=DK/NA	11	11	14	22	25
.M=Oth missing	3	4	141	11	15
.R=RF	3	3	11	4	4
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	11017	9969	12544	11737	10288
1.Yes	701	659	803	714	699

Value	R1GOVOT	R2GOVOT	R3GOVOT
.D=DK/NA	115	60	12
.M=Oth missing	109	78	25
.Q=Not asked this wv			10964
.R=RF		22	4
0.No	12382	19281	6813
1.Yes	46	201	173

Value	S1GOVOT	S2GOVOT	S3GOVOT
.D=DK/NA	54	37	4
.M=Oth missing	98	23	8
.Q=Not asked this wv			8629
.R=RF		14	
.U=Unmarried	2373	5970	5658
.V=Spouse NR		584	95
0.No	10088	12885	3507
1.Yes	39	129	90

How Constructed

RwHIGOV indicates whether the Respondent is covered by any government health insurance program. RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT indicate whether the Respondent is covered by Medicare, Medicaid, VA/CHAMPUS and other government health insurance, respectively. SwHIGOV, SwGOVMR, SwGOVMD, SwGOVVA, SwGOVOT provide the information for the Respondent's spouse or partner.

In Waves 1 and 2H, the question asks if the Respondent (and in Wave 1, the Respondent's spouse) is covered by any government health insurance. RwHIGOV is simply recoded to 0/1 for No/Yes and for missing values from this question. No checks are done on the types of government insurance the Respondent subsequently reports. Please note that some Respondents do not list Medicare, Medicaid, or VA/CHAMPUS as any of the types of government insurance that covers them in these waves. The RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT are derived from the follow-up questions where the Respondent reports all types of government health insurance programs under which they are covered.

In Wave 2A and from Wave 3 forward, separate questions ask about particular kinds of government health insurance. In all these waves, Medicare and Medicaid are asked about separately. In Waves 2A and 3A, another question asks about other government insurance, including CHAMPUS and CHAMP-VA. In Wave 3H and from Wave 4 forward, only CHAMPUS / CHAMP-VA, and, in 2002, TRI-CARE, are mentioned. The RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT are derived from these questions. In Wave 3H, R3GOVOT is set to .Q since the information is not obtained, and from Wave 4 forward, RwGOVOT is not available. If the Respondent indicates that he/she is currently covered by any of these types of insurance, then RwHIGOV is set to yes (=1). If the Respondent responds no to current coverage by all of these types of insurance, then RwHIGOV is set to no (=0). Otherwise, RwHIGOV is set to a missing value based on missing values in the HRS variables. Note that coverage by R6GOVVA increases more than expected for a consistently coded measure. This may be because a) TRI-CARE was not included in the question wording prior to 2002; and b) retired military 65 and over and covered by Medicare were not eligible for TRI-CARE prior to 2001.

S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT are the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHIGOV, RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT variable, if available. If the Respondent is not married, SwHIGOV, SwGOVMR, SwGOVMD, SwGOVVA and SwGOVOT are set to .U=unmarried. If the Respondent's spouse did not respond then these are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Waves 1 and 2H, the government insurance questions begin by asking: "Are you currently covered by any federal government health insurance programs, such as Medicare, Medicaid, or CHAMPUS, VA, or other military programs?" A subsequent question asks: "Which program is that?" and multiple answers are allowed. Separate variables code responses of Medicare, Medicaid, VA/Champus, and Other (including Bureau of Indian Affairs). In Wave 2H responses also include mail handlers insurance, federal employees health insurance, Blue Cross/Blue Shield, local or state government health plan, and HMO. Up to four responses are reported.

In Wave 2A and from Wave 3 forward, questions are asked separately about Medicare, Medicaid, and CHAMPUS/CHAMP-VA or other government health insurance coverage, with a few variations. In all of these waves the Medicare question is: "Are you currently covered by Medicare health insurance?"

In Wave 2A the Medicaid question is: "Is your health care currently covered by Medicaid?" From Wave 3 forward, the Medicaid questions are: 1) "Have you been covered by Medicaid health insurance at any time (since previous wave interview/in last 2 years)?" and if yes, 2) "Are you currently covered by Medicaid?"

In Waves 2A and 3A, the CHAMPUS and other government health insurance questions are: 1) "Are you currently covered by any other government health insurance programs, such as Railroad Retirement, CHAMPUS, CHAMP-VA, or any other military health programs?" and if yes, 2) "Which program is that?"

In Waves 3H, 4 and 5, the question is: "Are you currently covered by CHAMPUS, CHAMP-VA, or any other military health care plan?" In Wave 6, they added a new name called TRI_CARE that includes what used to be known as CHAMPUS and CHAMP-VA. The question is: "Are you currently covered by TRI_CARE, CHAMPUS, CHAMP-VA or any other military health care plan?" Prior to Wave 6, TRICARE, which replaces CHAMPUS for active and retired military, and is separate from CHAMP-VA, was not included in the question wording. There were also restrictions on coverage by TRICARE when over 65 and covered by Medicare until 2001.

HRS Variables Used

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HRS 1992:
    V6602           R2:R:FEDRL HLTH INS PRGM
    V6603           R2aA:R:GOVT:MEDICARE
    V6604           R2aB:R:GOVT:MEDICAID
    V6605           R2aC:R:GOVT:VA/CHAMPUS
    V6606           R2aD:R:GOVT:OTHER
AHEAD 1993:
    B1838           R2. R MEDICAID: COVERED
    B1848           R4. R OTHER GOVT INSURANCE: ANY
    B1849           R5. R OTHER GOVT INSURANCE: TYPE
    B754            E31a. R COVERED BY MEDICARE
HRS 1994:
    W6700           R1.COVERED FED GOVT HEAL
    W6701           R1a.WHICH PROGRAM
    W6702           R1a.WHICH PROGRAM
    W6703           R1a.WHICH PROGRAM
    W6704           R1a.WHICH PROGRAM
AHEAD 1995:
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    D126            W1 MEDICARE COVER
    D5144           R1. MEDICARE COVER
    D5155           R2.MEDICAID
    D5158           R4. CURRENTLY ON MEDICAID
    D5175           R5.OTHER GOVT INS
    D5176           R5A. TYPE OTH GVT INS
HRS 1996:
    E5133           R1.MEDICARE COVERAGE
    E5135           R4.MEDICAID SINCE PREV WAVE?
    E5136           R5.CURRENTLY COVERED BY MEDICAID
    E5145           R9.CHAMPUS/CHAMPVA COVERAGE
HRS 1998:
    F5866           R1.MEDICARE COVERAGE
    F5868           R4.MEDICAID SINCE PREV WAVE?
    F5869           R5.CURRENTLY COVERED BY MEDICAID
    F5878           R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2000:
    G6238           R1.MEDICARE COVERAGE
    G6241           R4.MEDICAID SINCE PREV WAVE?
    G6242           R5.CURRENTLY COVERED BY MEDICAID
    G6251           R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2002:
    HN001           MEDICARE COVERAGE
    HN005           MEDICAID COVERAGE SINCE PREV WAVE
    HN006           CURRENTLY COVERED BY MEDICAID
    HN007           CHAMPUS/CHAMPVA COVERAGE
HRS 2004:
    JN001           MEDICARE COVERAGE
    JN005           MEDICAID COVERAGE SINCE PREV WAVE
    JN006           CURRENTLY COVERED BY MEDICAID
    JN007           CHAMPUS/CHAMPVA COVERAGE
HRS 2006:
    KN001           MEDICARE COVERAGE
    KN005           MEDICAID COVERAGE SINCE PREV WAVE
    KN006           CURRENTLY COVERED BY MEDICAID
    KN007           CHAMPUS/CHAMPVA COVERAGE
HRS 2008:
    LN001           MEDICARE COVERAGE
    LN005           MEDICAID COVERAGE SINCE PREV WAVE
    LN006           CURRENTLY COVERED BY MEDICAID
    LN007           CHAMPUS/CHAMPVA COVERAGE
HRS 2010:
    MN001           MEDICARE COVERAGE
    MN005           MEDICAID COVERAGE SINCE PREV WAVE
    MN006           CURRENTLY COVERED BY MEDICAID
    MN007           CHAMPUS/CHAMPVA COVERAGE
HRS 2012:
    NN001           MEDICARE COVERAGE
    NN005           MEDICAID COVERAGE SINCE PREV WAVE
    NN006           CURRENTLY COVERED BY MEDICAID
    NN007           CHAMPUS/CHAMPVA COVERAGE
HRS 2014:
    ON001           MEDICARE COVERAGE
    ON005           MEDICAID COVERAGE SINCE PREV WAVE
    ON006           CURRENTLY COVERED BY MEDICAID
    ON007           CHAMPUS/CHAMPVA COVERAGE
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
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Covered by Health insurance from a current or previous employer

Wave	Variable	Label	Type
1	R1COVR	R1COVR:W1 R covered by R empl plan	Categ
2	R2COVR	R2COVR:W2 R covered by R empl plan	Categ
3	R3COVR	R3COVR:W3 R covered by R empl plan	Categ
4	R4COVR	R4COVR:W4 R covered by R empl plan	Categ
5	R5COVR	R5COVR:W5 R covered by R empl plan	Categ
6	R6COVR	R6COVR:W6 R covered by R empl plan	Categ
7	R7COVR	R7COVR:W7 R covered by R empl plan	Categ
8	R8COVR	R8COVR:W8 R covered by R empl plan	Categ
9	R9COVR	R9COVR:W9 R covered by R empl plan	Categ
10	R10COVR	R10COVR:W10 R covered by R empl plan	Categ
11	R11COVR	R11COVR:W11 R covered by R empl plan	Categ
12	R12COVR	R12COVR:W12 R covered by R empl plan	Categ
1	S1COVR	S1COVR:W1 S covered by R empl plan	Categ
2	S2COVR	S2COVR:W2 S covered by R empl plan	Categ
3	S3COVR	S3COVR:W3 S covered by R empl plan	Categ
4	S4COVR	S4COVR:W4 S covered by R empl plan	Categ
5	S5COVR	S5COVR:W5 S covered by R empl plan	Categ
6	S6COVR	S6COVR:W6 S covered by R empl plan	Categ
7	S7COVR	S7COVR:W7 S covered by R empl plan	Categ
8	S8COVR	S8COVR:W8 S covered by R empl plan	Categ
9	S9COVR	S9COVR:W9 S covered by R empl plan	Categ
10	S10COVR	S10COVR:W10 S covered by R empl plan	Categ
11	S11COVR	S11COVR:W11 S covered by R empl plan	Categ
12	S12COVR	S12COVR:W12 S covered by R empl plan	Categ
1	R1COVS	R1COVS:W1 R covered by S empl plan	Categ
2	R2COVS	R2COVS:W2 R covered by S empl plan	Categ
3	R3COVS	R3COVS:W3 R covered by S empl plan	Categ
4	R4COVS	R4COVS:W4 R covered by S empl plan	Categ
5	R5COVS	R5COVS:W5 R covered by S empl plan	Categ
6	R6COVS	R6COVS:W6 R covered by S empl plan	Categ
7	R7COVS	R7COVS:W7 R covered by S empl plan	Categ
8	R8COVS	R8COVS:W8 R covered by S empl plan	Categ
9	R9COVS	R9COVS:W9 R covered by S empl plan	Categ
10	R10COVS	R10COVS:W10 R covered by S empl plan	Categ
11	R11COVS	R11COVS:W11 R covered by S empl plan	Categ
12	R12COVS	R12COVS:W12 R covered by S empl plan	Categ
1	S1COVS	S1COVS:W1 S covered by S empl plan	Categ
2	S2COVS	S2COVS:W2 S covered by S empl plan	Categ
3	S3COVS	S3COVS:W3 S covered by S empl plan	Categ
4	S4COVS	S4COVS:W4 S covered by S empl plan	Categ
5	S5COVS	S5COVS:W5 S covered by S empl plan	Categ
6	S6COVS	S6COVS:W6 S covered by S empl plan	Categ
7	S7COVS	S7COVS:W7 S covered by S empl plan	Categ
8	S8COVS	S8COVS:W8 S covered by S empl plan	Categ
9	S9COVS	S9COVS:W9 S covered by S empl plan	Categ
10	S10COVS	S10COVS:W10 S covered by S empl plan	Categ
11	S11COVS	S11COVS:W11 S covered by S empl plan	Categ
12	S12COVS	S12COVS:W12 S covered by S empl plan	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COVR	12464	0.46	0.50	0.0	1.0
R2COVR	11341	0.44	0.50	0.0	1.0
R3COVR	16010	0.37	0.48	0.0	1.0
R4COVR	20687	0.35	0.48	0.0	1.0
R5COVR	19447	0.34	0.48	0.0	1.0

R6COVR	17959	0.34	0.47	0.0	1.0
R7COVR	19931	0.35	0.48	0.0	1.0
R8COVR	18313	0.32	0.47	0.0	1.0
R9COVR	17052	0.29	0.45	0.0	1.0
R10COVR	21487	0.31	0.46	0.0	1.0
R11COVR	20255	0.29	0.45	0.0	1.0
R12COVR	18406	0.27	0.44	0.0	1.0
S1COVR	10167	0.33	0.47	0.0	1.0
S2COVR	8699	0.32	0.47	0.0	1.0
S3COVR	11064	0.24	0.42	0.0	1.0
S4COVR	13884	0.22	0.42	0.0	1.0
S5COVR	12787	0.24	0.43	0.0	1.0
S6COVR	11656	0.23	0.42	0.0	1.0
S7COVR	13081	0.23	0.42	0.0	1.0
S8COVR	11801	0.21	0.41	0.0	1.0
S9COVR	10711	0.20	0.40	0.0	1.0
S10COVR	13574	0.20	0.40	0.0	1.0
S11COVR	12568	0.18	0.38	0.0	1.0
S12COVR	11109	0.18	0.38	0.0	1.0
R1COVS	12465	0.27	0.44	0.0	1.0
R2COVS	11343	0.26	0.44	0.0	1.0
R3COVS	16226	0.18	0.39	0.0	1.0
R4COVS	20953	0.17	0.37	0.0	1.0
R5COVS	19462	0.18	0.38	0.0	1.0
R6COVS	17972	0.17	0.37	0.0	1.0
R7COVS	19938	0.17	0.38	0.0	1.0
R8COVS	18325	0.16	0.37	0.0	1.0
R9COVS	17070	0.15	0.35	0.0	1.0
R10COVS	21529	0.14	0.35	0.0	1.0
R11COVS	20272	0.13	0.33	0.0	1.0
R12COVS	18431	0.13	0.33	0.0	1.0
S1COVS	10166	0.45	0.50	0.0	1.0
S2COVS	8697	0.43	0.50	0.0	1.0
S3COVS	10706	0.40	0.49	0.0	1.0
S4COVS	13448	0.39	0.49	0.0	1.0
S5COVS	12670	0.38	0.49	0.0	1.0
S6COVS	11545	0.38	0.48	0.0	1.0
S7COVS	12901	0.37	0.48	0.0	1.0
S8COVS	11674	0.35	0.48	0.0	1.0
S9COVS	10573	0.32	0.47	0.0	1.0
S10COVS	13257	0.33	0.47	0.0	1.0
S11COVS	12362	0.31	0.46	0.0	1.0
S12COVS	10876	0.29	0.45	0.0	1.0

Categorical Variable Codes

Value	R1COVR	R2COVR	R3COVR	R4COVR	R5COVR	R6COVR	R7COVR
.C=Cov,DK by whose emplyr	11	36	439	590	36		
.D=DK/NA			46			66	69
.E=Cov,DK whether by emplyr			1401			83	87
.M=Oth missing	95	43	78	107	96	14	18
.Q=Not asked this wv		8222					
.R=RF			17			43	24
.T=Cov by oth,maybe ex-spou	82						
0.No	6673	6323	10107	13378	12739	11786	13048
1.Yes	5791	5018	5903	7309	6708	6173	6883

Value	R8COVR	R9COVR	R10COVR	R11COVR	R12COVR
.D=DK/NA	66	85	144	130	142
.E=Cov,DK whether by emplyr	60	47	112	84	107
.M=Oth missing	15	17	251	49	48
.R=RF	15	16	40	36	45
0.No	12505	12099	14815	14478	13477
1.Yes	5808	4953	6672	5777	4929

Value	S1COVR	S2COVR	S3COVR	S4COVR	S5COVR	S6COVR	S7COVR
.C=Cov,DK by whose emplyr	6	25	158	236	17		
.D=DK/NA			12			19	19
.E=Cov,DK whether by emplyr			795			30	24
.M=Oth missing	98	15	18	28	28	3	1
.Q=Not asked this wv		4549					
.R=RF			4			22	12
.T=Cov by oth,maybe ex-spou	8						
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		384	282	367	209	129	215
0.No	6782	5903	8451	10790	9721	9004	10080
1.Yes	3385	2796	2613	3094	3066	2652	3001

Value	S8COVR	S9COVR	S10COVR	S11COVR	S12COVR
.D=DK/NA	25	21	38	51	57
.E=Cov,DK whether by emplyr	15	20	33	38	37
.M=Oth missing	3	3	121	6	12
.R=RF	5	9	13	12	15
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	203	247	456	405	395
0.No	9282	8604	10911	10306	9134
1.Yes	2519	2107	2663	2262	1975

Value	R1COVS	R2COVS	R3COVS	R4COVS	R5COVS	R6COVS	R7COVS
.C=Cov,DK by whose emplyr	9	36	218	330	31		
.D=DK/NA			33			64	63
.E=Cov,DK whether by emplyr			1421			82	91
.M=Oth missing	98	41	77	101	86	12	17
.Q=Not asked this wv		8222					
.R=RF			16			35	20
.T=Cov by oth,maybe ex-spou	80						
0.No	9108	8406	13276	17478	15948	14948	16557
1.Yes	3357	2937	2950	3475	3514	3024	3381

Value	R8COVS	R9COVS	R10COVS	R11COVS	R12COVS
.D=DK/NA	59	69	130	121	127
.E=Cov,DK whether by emplyr	57	47	110	84	106
.M=Oth missing	15	16	230	44	45
.R=RF	13	15	35	33	39
0.No	15348	14561	18530	17662	16082
1.Yes	2977	2509	2999	2610	2349

Value	S1COVS	S2COVS	S3COVS	S4COVS	S5COVS	S6COVS	S7COVS
.C=Cov,DK by whose emplyr	10	25	379	496	22		
.D=DK/NA			22			21	25
.E=Cov,DK whether by emplyr			781			38	28
.M=Oth missing	95	17	22	34	38	5	2
.Q=Not asked this wv		4549					
.R=RF			5			30	16
.T=Cov by oth,maybe ex-spou	8						
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		384	418	537	311	220	380
0.No	5574	4961	6389	8174	7836	7177	8078
1.Yes	4592	3736	4317	5274	4834	4368	4823

Value	S8COVS	S9COVS	S10COVS	S11COVS	S12COVS
.D=DK/NA	32	37	52	60	72
.E=Cov,DK whether by emplyr	19	22	44	40	47
.M=Oth missing	3	4	142	11	15
.R=RF	7	10	18	15	21
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	7635	7201	8862	8546	7718
1.Yes	4039	3372	4395	3816	3158

How Constructed

RwCOVR indicates whether the Respondent is covered by health insurance from his/her current or previous employer. SwCOVR indicates whether the Respondent's spouse or partner is covered by the Respondent's employer. RwCOVS indicates whether the Respondent is covered by his/her spouse's employer. SwCOVS indicates whether the Respondent's spouse is covered by the spouse's employer.

If the Respondent says he/she is covered by employer-provided health insurance, then the source of that insurance is checked. If the source of any plan that covers the Respondent is the Respondent's current or previous employer, the Respondent's union, or through the Respondent's self-employment then RwCOVR is set to "yes." If the source of any plan that covers the Respondent is the spouse's current or previous employer or the spouse's union, then RwCOVS is set to "yes."

In Wave 1, the Financial Respondent answers all questions. These are adjusted as appropriate for the non-Financial Respondent. The source of insurance in this wave could be given as other, including deceased or ex-spouse. Because of

the ambiguity of this code, if this is the only information available, RwCOVR and RwCOVS are set to .T, covered by other insurance including the possibility of an ex-spouse. In Versions prior to G, these cases were treated as missing source of coverage (.C).

In Wave 2H, the source of the plan is not asked if a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1 and if the Respondent indicates that he/she is still covered by that source. The HRS documentation indicates that the preloaded value is taken from specific Wave 1 variables. In these cases, the Wave 1 variable is used to determine whether the plan that continues to cover the Respondent in Wave 2 is the Respondent's or the spouse's plan. If it is the Respondent's plan, then RwCOVR is set to "yes." If it is the spouse's plan, then RwCOVS is set to "yes."

If the preloaded value does not indicate Wave 1 coverage or if the Respondent does not say he/she is still covered by that source, then questions similar to the Wave 1 questions are asked, and if the source of any plan that covers the Respondent is the Respondent's current or previous employer, union, or own business, then RwCOVR is set to "yes." If the source of any plan that covers the Respondent is the spouse's current or previous employer, or union, then RwCOVS is set to "yes."

In Wave 2A, questions about non-government health insurance do not include any information about the source of the coverage. So for the AHEAD Respondents, R2COVR, R2COVS, and R2COVRT are set to the .Q SAS special missing value, to indicate that no information is available.

From Wave 3 forward, the questions do not depend on answers given in previous waves. In Wave 3A, a question asks if the Respondent is covered by any non-government health plan besides long term care insurance. If any source of insurance is unknown, and none of the sources indicate the Respondent's employer, then RwCOVR is set to SAS special missing code .E, which means the Respondent is covered by health insurance, but it is unknown whether the source is an employer. Similarly, if any source is unknown, and none are the Respondent's spouse's employer RwCOVS is set to special missing code .E. Note that there were a large number of cases that skipped the questions about source of insurance, but had indicated that they had some insurance. In RAND HRS prior to version G, these cases had been coded as having no employer-provided insurance, but are now assigned .E. If no source is unknown, and none of the sources indicate the Respondent and the Respondent's spouse's employer, then RwCOVR and RwCOVS are set to "no," respectively.

In Waves 3H, 4 and 5, a question asks if the Respondent is covered by any employer-provided health insurance, or if self-employed, through the business. If no health insurance is reported in these questions, RwCOVR and RwCOVS are set to "no." If the Respondent reports having health insurance, the source-of-insurance questions are checked and RwCOVR is set to "yes" if the source is the Respondent's current or previous employer, or union. If the Respondent is self-employed and has health insurance through the business, then RwCOVR is set to "yes." RwCOVS is set to "yes" if the source is the spouse's current or previous employer, or union.

In Waves 3H and from Wave 4 forward, if the only source of coverage is the spouse's employer (current or previous) or union, then RwCOVR is set to "no." If the only source of coverage is the Respondent's employer (current or previous), union, or self-employment, then RwCOVS is set to "no." Otherwise if any source of coverage is "other," "don't know," or "refuse," then RwCOVR and RwCOVS are set to special missing .C, covered but don't know the source. This happens most often for self-employed Respondents in Waves 3H and 4 who did not have insurance through the business, but did through an employer. In Wave 3H and from Wave 4 on, if RwCOVS is .C and the spouse of the Respondent indicates whether or not the Respondent is covered by his/her (the spouse's) employer-provided insurance, then RwCOVS is set according to the spouse information.

Beginning in Wave 6, separate questions asked about particular sources of employer-provided health insurance for up to three plans. RwCOVR is set to "yes" if the source is the Respondent's current or previous employer, or union for any of the three plans. RwCOVS is set to "yes" if the source is the spouse's current or previous employer, or union for any

of the three plans. The self-employed are no longer asked this question separately; it is combined with current employer. There is no single question about whether the Respondent has any employer-provided insurance as there is in other waves. If the number of insurance plans is more than zero, but no source is provided in any of the questions, then we know that the Respondent has some health insurance, but we don't know if is provided by an employer. These cases are coded with SAS special missing code .E, for covered by health insurance but unknown whether it is employer-provided. Note that in Versions prior to G, these cases were coded .C, covered but unknown by whose employer.

Because questions are skipped based on the Respondent's marital status in Waves 6 and 7, spouse's current or previous employer is not directly asked as the source if the Respondent is not married/partnered. In prior waves, there is no such limitation, and some reported a spouse's employer as the source of insurance even when not married. In the early releases of 2002 and 2004 data, many specified the source of insurance as other. In the final releases, HRS has recoded based on interviewer notes to indicate a former or deceased spouse's employer as the source when appropriate. Thus R6COVS and R7COVS may be lower than in other waves simply due to the skip pattern, but is significantly improved over those based on the early release data. From Wave 8 forward, this was changed so that ever-married single Respondents are asked if the source of insurance is from a former spouse's current or previous employer.

S1COVR and S1COVS for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1COVR and S1COVS are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1COVR and S1COVS are the Financial Respondent's information.

From Wave 2 on, SwCOVR is taken from the spouse's self-reported RwCOVS variable (Respondent covered by spouse's plan), if available. SwCOVS is taken from the spouse's self-reported RwCOVR variable. For Wave 3H and from Wave 4 on, if the spouse's self-report is not available or missing, the question about coverage of others besides the Respondent is used to determine if the Respondent's spouse is covered by the Respondent's plan; if so, then SwCOVR is set to yes.

Please see "Plan specific employer-provided health insurance: Source of insurance and who is covered" for information on individual plans reported.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, the private health insurance questions begin with:

"Do you have any type of health insurance coverage obtained through your [or your spouse's] employer, former employer or union, such as Blue Cross-Blue Shield or a Health Maintenance Organization?"

If "yes," the Financial Respondent is asked how many plans and the source of up to 2 plans. The source of insurance can be the Respondent's current or former employer, the Respondent's union, the Respondent's spouse's current or former employer or union, and other. If the Financial Respondent is married and reported having employer-provided health insurance, the first question about the spouse's private health insurance coverage is:

"You told me earlier that you obtain health insurance through an employer or union. Is your spouse covered by the same insurance plan(s)?"

If so, the Financial Respondent is then asked by which (if more than one plan). The questions then ask if the Financial Respondent's spouse is covered by any other employer-provided health insurance, and if so, the source of up to 2 plans.

This results in information on coverage of the Financial Respondent's spouse on up to 4 employer-provided health insurance plans. For the Financial Respondent in Wave 1, and for Waves 2H and 3, up to 2 insurance plans are asked about. From Wave 4 forward, only 1 employer-provided health insurance plan is asked about. The question wording asks for information about plans in order of importance.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked:

"According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?"

If "yes," no further questions on source of insurance are asked. If the Respondent is the Financial Respondent in Wave 2H and says the records show wrong coverage, a follow-up question asks for a corrected source of insurance at the last interview and whether the Respondent is still covered. If the Respondent was not the Financial Respondent in Wave 1 and says the records show wrong coverage, or if the Respondent (the Financial Respondent or not) responds with any other answer except "yes," questions almost identical to those asked in Wave 1 regarding coverage and its source are asked.

In Wave 2H, additional answers for the source of health insurance are possible. In particular, "Through own business" and "Purchased through own business/self-employment" are added to address the coverage of those self-employed.

In Wave 2A, questions about other health insurance are asked, but there are no questions to indicate whether the source of that insurance is a current or previous employer.

In Wave 3A, the question about other health insurance is followed up by asking the source of the insurance. Besides current or previous employers and unions of the Respondent and spouse, the source can be other organizations or self. There are two questions about source of coverage, one for the first, or most important plan, and the other about other plans, with the option to answer all that apply. If the number of plans was given as zero, both these questions were asked. In the derivation of this variable, a "don't know" or "refuse" response with regard to the other plans is ignored when the number of plans is zero. Since many valid responses are given about the source of the first plan when the number of plans is zero, we assume that there is at least one health plan. Due to an apparent skip problem in some versions of the HRS instrument, over 1,000 cases responded yes to the question about having other insurance, but then skipped all questions about its source.

In Wave 3H, 4 and 5, self-employed Respondents are asked: "Do you have health insurance through that business that pays hospital or doctor bills?" If self-employed and not covered through the business, or if not self-employed, the Respondent is asked if he/she is covered by any employer-provided health insurance.

If "yes," the source of the coverage is asked. Unfortunately, in Waves 3H and 4, the specific source of coverage was skipped if the Respondent was self-employed, not covered by the business, but was covered by an employer-provided insurance. This is corrected in Wave 5.

In Waves 6 and 7, the questions about sources of employer-provided health insurance are asked about up to three plans, and they are asked differently than in previous waves. The questions about source of insurance are asked separately, in the following order until the source is reported:

1. Only if the Respondent is working: "Do you obtain this health insurance through Current employer/Own Business of yours?"

2."Do you obtain this health insurance through a former employer of yours?"

3: Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's

Current employer?"

4. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's former employer?"

5: "Did you purchase this plan directly from an insurance company, through your/your spouse's union, through a group such as AARP, a church, or other organization, or what?"

From Wave 8 forward, question 3 is also asked of those who are separated, divorced, or who have had their marriage annulled, with the following wording: "Do you obtain this health insurance through your former spouse/partner's Current employer?" Question 4 is asked of this expanded group and those who are widowed as: "Do you obtain this health insurance through your former spouse/partner's former employer?"

Note that in prior waves, the Respondent's current employer could be given as the source even if the Respondent is not working, and the spouse's employer could be given as the source even if the Respondent is not married or partnered. Former and deceased spouse's employers have been coded as the source if mentioned in response to the 5th question in the final release of 2002 (W6) and 2004 (W7) data.

For Wave 3H and from Wave 4 forward, if coverage is from the Respondent's employer or union, the Respondent is also asked who else is covered on this health insurance, and the response options include a code for spouse.

HRS Variables Used

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HRS 1992:
    V6614           R3:R1EMPLR HLTH INS PLAN
    V6615           R3A:R1EMP:#PLANS HAVE
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6624           R4:R1EMP:#2:HOW OBTAINED
    V6813           R25:R2HAS OTHR EMP INS
    V6814           R26:R2EMPLR HLTH INS PLN
    V6815           R26A:R2EMP:#PLANS HAVE
    V6816           R27:R2EMP:#1:HOW OBTAIND
    V6824           R27:R2EMP:#2:HOW OBTAIND
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6740           P2. R5.HOW OBTAINED
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5215           R9A.# OTHER HEALTH INS
    D5225M1         R10D-1.  HOW OBTAIN OTHER HMO-1
    D5225M2         R10D-2. HOW OBTAIN OTHER HMO-1
    D5225M3         R10D. HOW OBTAIN OTHER HMO-1
    D5242M1         R11D-1.  HOW OBTAIN OTHER HMO-1
    D5242M2         R11D-2.  HOW OBTAIN OTHER HMO-1
HRS 1996:
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
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    E5172_1         R19C.ANYONE ELSE COVERED
    E5172_2         R19C.ANYONE ELSE COVERED
    E5173001        R19D.WHO COVERED?
    E5173002        R19D.WHO COVERED?
    E5173003        R19D.WHO COVERED?
    E5173004        R19D.WHO COVERED?
    E5173005        R19D.WHO COVERED?
    E5173011        R19D.WHO COVERED?
    E5173012        R19D.WHO COVERED?
    E5173013        R19D.WHO COVERED?
    E5173014        R19D.WHO COVERED?
    E5173015        R19D.WHO COVERED?
HRS 1998:
    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5896           R15.HOW OBTAIN INSURANCE
    F5906M1         R19D.WHO COVERED?
    F5906M2         R19D.WHO COVERED?
    F5906M3         R19D.WHO COVERED?
    F5906M4         R19D.WHO COVERED?
    F5906M5         R19D.WHO COVERED?
    F5906M6         R19D.WHO COVERED?
HRS 2000:
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6279M1         R19D.WHO COVERED?
    G6279M2         R19D.WHO COVERED?
    G6279M3         R19D.WHO COVERED?
    G6279M4         R19D.WHO COVERED?
    G6279M5         R19D.WHO COVERED?
    G6279M6         R19D.WHO COVERED?
    G6279M7         R19D.WHO COVERED?
HRS 2002:
    HN023           NUM PRIVATE HEALTH INS PLANS
    HN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    HN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    HN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    HN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    HN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    HN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    HN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    HN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    HN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    HN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    HN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    HN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    HN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    HN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    HN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    HN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    HN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    HN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    HN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    HN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    HN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    HN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    HN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    HN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
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    HN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    HN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    HN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    HN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    HN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    HN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    HN049_3C        PRIV PLAN HI- WHO COVERED- 3- 2
    HN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2004:
    JN023           NUM PRIVATE HEALTH INS PLANS
    JN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    JN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    JN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    JN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    JN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    JN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    JN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    JN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    JN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    JN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    JN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    JN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    JN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    JN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    JN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    JN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    JN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    JN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    JN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    JN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    JN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    JN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    JN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    JN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    JN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    JN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    JN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    JN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    JN049_2E        PRIV PLAN HI- WHO COVERED-2-5
    JN049_2F        PRIV PLAN HI- WHO COVERED -2
    JN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    JN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    JN049_3C        PRIV PLAN HI- WHO COVERED-3-3
    JN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
    JN049_3E        PRIV PLAN HI- WHO COVERED- 3- 5
    JN049_3F        PRIV PLAN HI- WHO COVERED- 3- 6
HRS 2006:
    KN023           NUM PRIVATE HEALTH INS PLANS
    KN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    KN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    KN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    KN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    KN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    KN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    KN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    KN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    KN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    KN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    KN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
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    KN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    KN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    KN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    KN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    KN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    KN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    KN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    KN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    KN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    KN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    KN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    KN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    KN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
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    KN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    KN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    KN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    KN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    KN049_2F        PRIV PLAN HI- WHO COVERED -2- 6
    KN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    KN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    KN049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    KN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
    KN049_3E        PRIV PLAN HI- WHO COVERED- 3- 5
    KN049_3F        PRIV PLAN HI- WHO COVERED- 3- 6
HRS 2008:
    LN023           NUM PRIVATE HEALTH INS PLANS
    LN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    LN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    LN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    LN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    LN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    LN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    LN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    LN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    LN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    LN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    LN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    LN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    LN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    LN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    LN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    LN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    LN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    LN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    LN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    LN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    LN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    LN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    LN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    LN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
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    LN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    LN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    LN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    LN049_2F        PRIV PLAN HI- WHO COVERED -2- 6
    LN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    LN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
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    LN049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    LN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2010:
    MN023           NUM PRIVATE HEALTH INS PLANS
    MN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    MN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    MN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    MN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    MN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    MN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    MN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    MN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    MN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    MN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    MN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    MN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    MN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    MN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    MN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    MN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    MN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    MN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    MN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    MN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    MN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    MN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    MN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    MN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    MN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    MN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    MN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    MN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    MN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    MN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    MN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    MN049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    MN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
    MN049_3E        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2012:
    NN023           NUM PRIVATE HEALTH INS PLANS
    NN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    NN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    NN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    NN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    NN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    NN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    NN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    NN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    NN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    NN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    NN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    NN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    NN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    NN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    NN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    NN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    NN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    NN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    NN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
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    NN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    NN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    NN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    NN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    NN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    NN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    NN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    NN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    NN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    NN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    NN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    NN049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    NN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2014:
    ON023           NUM PRIVATE HEALTH INS PLANS
    ON033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    ON033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    ON033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    ON034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    ON034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    ON034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    ON035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    ON035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    ON035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    ON036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    ON036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    ON036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    ON037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    ON037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    ON037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    ON048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    ON048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    ON048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    ON049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    ON049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    ON049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    ON049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    ON049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    ON049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    ON049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    ON049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    ON049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    ON049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    ON049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    ON049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    ON049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    ON049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
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Whether employer-provided Health plan covers retirees

Wave	Variable	Label	Type
1	R1COVRT	R1COVRT:W1 R plan covers retirees	Categ
2	R2COVRT	R2COVRT:W2 R plan covers retirees	Categ
3	R3COVRT	R3COVRT:W3 R plan covers retirees	Categ
4	R4COVRT	R4COVRT:W4 R plan covers retirees	Categ
5	R5COVRT	R5COVRT:W5 R plan covers retirees	Categ
6	R6COVRT	R6COVRT:W6 R plan covers retirees	Categ
7	R7COVRT	R7COVRT:W7 R plan covers retirees	Categ
8	R8COVRT	R8COVRT:W8 R plan covers retirees	Categ
9	R9COVRT	R9COVRT:W9 R plan covers retirees	Categ
10	R10COVRT	R10COVRT:W10 R plan covers retirees	Categ
11	R11COVRT	R11COVRT:W11 R plan covers retirees	Categ
12	R12COVRT	R12COVRT:W12 R plan covers retirees	Categ
1	S1COVRT	S1COVRT:W1 S plan covers retirees	Categ
2	S2COVRT	S2COVRT:W2 S plan covers retirees	Categ
3	S3COVRT	S3COVRT:W3 S plan covers retirees	Categ
4	S4COVRT	S4COVRT:W4 S plan covers retirees	Categ
5	S5COVRT	S5COVRT:W5 S plan covers retirees	Categ
6	S6COVRT	S6COVRT:W6 S plan covers retirees	Categ
7	S7COVRT	S7COVRT:W7 S plan covers retirees	Categ
8	S8COVRT	S8COVRT:W8 S plan covers retirees	Categ
9	S9COVRT	S9COVRT:W9 S plan covers retirees	Categ
10	S10COVRT	S10COVRT:W10 S plan covers retirees	Categ
11	S11COVRT	S11COVRT:W11 S plan covers retirees	Categ
12	S12COVRT	S12COVRT:W12 S plan covers retirees	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COVRT	5072	0.77	0.42	0.0	1.0
R2COVRT	4854	0.70	0.46	0.0	1.0
R3COVRT	3683	0.65	0.48	0.0	1.0
R4COVRT	4224	0.63	0.48	0.0	1.0
R5COVRT	3737	0.64	0.48	0.0	1.0
R6COVRT	3037	0.67	0.47	0.0	1.0
R7COVRT	3739	0.60	0.49	0.0	1.0
R8COVRT	2885	0.61	0.49	0.0	1.0
R9COVRT	2385	0.60	0.49	0.0	1.0
R10COVRT	4076	0.49	0.50	0.0	1.0
R11COVRT	3545	0.48	0.50	0.0	1.0
R12COVRT	2944	0.50	0.50	0.0	1.0
S1COVRT	4089	0.78	0.42	0.0	1.0
S2COVRT	3840	0.72	0.45	0.0	1.0
S3COVRT	2746	0.65	0.48	0.0	1.0
S4COVRT	3135	0.63	0.48	0.0	1.0
S5COVRT	2812	0.65	0.48	0.0	1.0
S6COVRT	2268	0.67	0.47	0.0	1.0
S7COVRT	2737	0.60	0.49	0.0	1.0
S8COVRT	2113	0.62	0.49	0.0	1.0
S9COVRT	1741	0.60	0.49	0.0	1.0
S10COVRT	2730	0.49	0.50	0.0	1.0
S11COVRT	2381	0.47	0.50	0.0	1.0
S12COVRT	1956	0.48	0.50	0.0	1.0

Categorical Variable Codes

Value	R1COVRT	R2COVRT	R3COVRT	R4COVRT	R5COVRT	R6COVRT	R7COVRT
.A=Already 65+			437	2245	2321	2633	2557
.D=DK/NA		152	215	282	317	255	286
.H=Missing whether covrd	90	79	515	697	132	206	198
.M=Oth missing	862	9	111	130	13	215	274
.N=No plan	6628	6323	5639	13378	12739	11786	13048
.Q=Not asked this wv		8222	7027				
.R=RF		3	2	1		2	1
.S=Skip, not cur/prv emp pl			362	427	320	31	26
0.No	1150	1453	1301	1572	1352	999	1489
1.Yes	3922	3401	2382	2652	2385	2038	2250

Value	R8COVRT	R9COVRT	R10COVRT	R11COVRT	R12COVRT
.A=Already 65+	2429	2240	2047	1847	1693
.D=DK/NA	277	176	291	160	133
.H=Missing whether covrd	156	165	547	299	342
.M=Oth missing	197	135	232	206	141
.N=No plan	12505	12099	14815	14478	13477
.R=RF			1	1	
.S=Skip, not cur/prv emp pl	20	17	25	18	18
0.No	1114	953	2079	1855	1480
1.Yes	1771	1432	1997	1690	1464

Value	S1COVRT	S2COVRT	S3COVRT	S4COVRT	S5COVRT	S6COVRT	S7COVRT
.A=Already 65+			386	1503	1528	1709	1649
.D=DK/NA		100	151	208	232	195	205
.H=Missing whether covrd	10	54	493	660	93	151	113
.M=Oth missing	668	6	73	98	9	174	217
.N=No plan	5529	5100	4400	8454	8059	7298	8335
.Q=Not asked this wv		4549	3704				
.R=RF		1	2	1		2	
.S=Skip, not cur/prv emp pl			290	329	253	20	15
.U=Unmarried	2356	5970	5658	6869	6538	6306	6777
.V=Spouse NR		22	88	127	55	42	81
0.No	911	1063	959	1153	994	742	1100
1.Yes	3178	2777	1787	1982	1818	1526	1637

Value	S8COVRT	S9COVRT	S10COVRT	S11COVRT	S12COVRT
.A=Already 65+	1527	1389	1280	1153	997
.D=DK/NA	222	125	194	115	84
.H=Missing whether covrd	99	118	374	222	266
.M=Oth missing	162	105	176	156	112
.N=No plan	7867	7464	9297	8924	8083
.S=Skip, not cur/prv emp pl	15	12	15	11	9
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	47	57	169	118	118
0.No	810	693	1400	1261	1016
1.Yes	1303	1048	1330	1120	940

How Constructed

RwCOVRT indicates whether the Respondent's employer-provided health insurance covers retirees. In Waves 1 and 2H, this is taken from a direct question that asks whether a plan covers retirees. In Wave 3H and from Wave 4 forward, it is taken from a question that asks about coverage up to age 65.

SwCOVRT indicates whether health insurance from the employer of the Respondent's spouse or partner covers retirees.

The number of insurance plans about which information is gathered varies across waves. In Wave 1, a question asks if the plan covers retirees, for each plan. If any plan provided by the Respondent's current or previous employer, or union covers retirees, then RwCOVRT is set to "yes." If no plan is provided by the Respondent's employer or union, then RwCOVRT is set to .N, no plan.

In Wave 2H, if the Respondent indicates that he/she is still covered by his/her own employer-provided health plan reported in Wave 1, the Wave 1 information is assumed to be correct for Wave 2H as well, i.e., R2COVRT is set to R1COVRT. If Wave 2H employer-provided health insurance is not a continuation of the preloaded Wave 1 coverage, the Wave 2H question about whether the plan covers retirees is used to set RwCOVRT. If any plan from the Respondent's current or previous employer, or union covers retirees, then RwCOVRT is set to "yes." If no plan is provided by the Respondent's employer or union, then RwCOVRT is set to .N, no plan.

In Wave 3H and from Wave 4 forward, this question is no longer asked. Another question asks if the plan would cover the Respondent up to age 65. Since this seems to be asking about insurance coverage of early retirees, this question was used for the RwCOVRT variables in Wave 3H and from Wave 4 forward. If coverage can continue to age 65, then RwCOVRT is set to yes. If the Respondent is already 65 then RwCOVRT is set to .A - already 65, and if the plan(s) are not from the Respondent's current or previous employer, RwCOVRT is set to .S - question skipped. Note that if the source of insurance is the Respondent's union or through self-employment, these questions are not asked, so RwCOVRT is set to .S. If the Respondent does not report being covered by the Respondent's employer, then RwCOVRT is set to .N - no plan.

In all waves, if missing whether the Respondent is covered, then RwCOVRT is set to .H, missing whether covered by employer-provided insurance. If the question was asked or should have been asked, and the answer is missing then RwCOVRT is set to .D for don't know, .R for refused, and .M for all other missing answers.

In Waves 2A and 3A, this question is not asked. In Wave 3A, special missing values are set for no insurance (.N), if the Respondent is older than 65 (.A), and if RwCOVR is missing (.H). For all other situations, and for everyone in Wave 2A, RwCOVRT is set to .Q to indicate that no information is available this wave.

SwCOVRT for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1COVRT is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1COVRT is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwCOVRT variable, if available. If the Respondent is not married, SwCOVRT is set to .U=unmarried. If the Respondent's spouse did not respond then SwCOVRT is set to .V=Spouse is non-response.

Please see "Plan specific employer-provided health insurance: Coverage in retirement" for information on individual plans reported. These more detailed variables also provide information as to whether the coverage extends to those over 65 in the waves when this information is available.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1 a question asks if the plan covers retirees, for each plan (up to 4 between Respondent and spouse).

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the Respondent is asked if this coverage continues. If so then no question about whether the plan covers retirees is

asked. If not, or if not covered in Wave 1, current employer provided health insurance plans are asked about (up to 2). A question asks if the plan covers retirees for each plan.

In Wave 3H, and Wave 4 forward, the question about whether a plan covers retirees is no longer asked. Other questions ask if the plan would cover the Respondent up to age 65 if he/she left the job before age 65 (if from current employer), or if the plan could be continued to age 65 (if from previous employer). This question is skipped if the Respondent is already 65, or if the employer-provided health plan is not from either the Respondent's current or previous employer (e.g., it is NOT asked if the plan source is a union, spouse's employer, or through the Respondent's self-employment). From Wave 6 forward this question is asked for up to three plans.

In Waves 2A and 3A, no question about retiree coverage or coverage before age 65 is asked.

In some waves, if health insurance extends to age 65, a follow-up question asks if those over 65 may also be covered. The RwCOVRT variables do not provide any information from these follow-up questions. Please see "Plan specific employer-provided health insurance: Coverage in retirement" for information on individual plans reported. These more detailed variables also provide information as to whether the coverage extends to those over 65 in the waves when this information is available.

HRS Variables Used

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HRS 1992:
    V6614           R3:R1EMPLR HLTH INS PLAN
    V6615           R3A:R1EMP:#PLANS HAVE
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6618           R7:R1#1:AVAIL FOR RTIREE
    V6624           R4:R1EMP:#2:HOW OBTAINED
    V6626           R7:R1#2:AVAIL FOR RTIREE
    V6813           R25:R2HAS OTHR EMP INS
    V6814           R26:R2EMPLR HLTH INS PLN
    V6815           R26A:R2EMP:#PLANS HAVE
    V6816           R27:R2EMP:#1:HOW OBTAIND
    V6818           R30:R2#1:AVAIL FR RTIREE
    V6824           R27:R2EMP:#2:HOW OBTAIND
    V6826           R30:R2#2:AVAIL FR RTIREE
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6734           P1. R8.AVAILABLE FOR RET
    W6740           P2. R5.HOW OBTAINED
    W6748           P2. R8.AVAILABLE FOR RET
HRS 1996:
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5191_1         R34.COVERAGE CONTINUE TO 65
    E5191_2         R34.COVERAGE CONTINUE TO 65
    E5194_1         R35.COVERAGE TO 65 IF LEFT NOW
    E5194_2         R35.COVERAGE TO 65 IF LEFT NOW
HRS 1998:
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    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5896           R15.HOW OBTAIN INSURANCE
    F5924           R34.COVERAGE CONTINUE TO 65
    F5927           R35.COVERAGE TO 65 IF LEFT NOW
HRS 2000:
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6297           R34.COVERAGE CONTINUE TO 65
    G6302           R35.COVERAGE TO 65 IF LEFT NOW
HRS 2002:
    HN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    HN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    HN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    HN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    HN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    HN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    HN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    HN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    HN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
HRS 2004:
    JN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    JN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    JN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    JN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    JN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    JN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    JN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    JN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    JN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
HRS 2006:
    KN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    KN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    KN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    KN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    KN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    KN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    KN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    KN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    KN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
HRS 2008:
    LN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    LN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    LN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    LN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    LN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    LN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    LN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    LN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    LN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
HRS 2010:
    MN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    MN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    MN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    MN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    MN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    MN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    MN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
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    MN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    MN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
HRS 2012:
    NN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    NN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    NN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    NN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    NN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    NN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    NN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    NN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    NN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
HRS 2014:
    ON033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    ON033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    ON033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    ON034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    ON034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    ON034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    ON059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    ON059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    ON059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
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Number of Health insurance plans

Wave	Variable	Label	Type
1	R1HENUM	R1HENUM:W1 Number of health insurance plans	Categ
2	R2HENUM	R2HENUM:W2 Number of health insurance plans	Categ
3	R3HENUM	R3HENUM:W3 Number of health insurance plans	Categ
4	R4HENUM	R4HENUM:W4 Number of health insurance plans	Categ
5	R5HENUM	R5HENUM:W5 Number of health insurance plans	Categ
6	R6HENUM	R6HENUM:W6 Number of health insurance plans	Categ
7	R7HENUM	R7HENUM:W7 Number of health insurance plans	Categ
8	R8HENUM	R8HENUM:W8 Number of health insurance plans	Categ
9	R9HENUM	R9HENUM:W9 Number of health insurance plans	Categ
10	R10HENUM	R10HENUM:W10 Number of health insurance plans	Categ
11	R11HENUM	R11HENUM:W11 Number of health insurance plans	Categ
12	R12HENUM	R12HENUM:W12 Number of health insurance plans	Categ
1	S1HENUM	S1HENUM:W1 Number of health insurance plans	Categ
2	S2HENUM	S2HENUM:W2 Number of health insurance plans	Categ
3	S3HENUM	S3HENUM:W3 Number of health insurance plans	Categ
4	S4HENUM	S4HENUM:W4 Number of health insurance plans	Categ
5	S5HENUM	S5HENUM:W5 Number of health insurance plans	Categ
6	S6HENUM	S6HENUM:W6 Number of health insurance plans	Categ
7	S7HENUM	S7HENUM:W7 Number of health insurance plans	Categ
8	S8HENUM	S8HENUM:W8 Number of health insurance plans	Categ
9	S9HENUM	S9HENUM:W9 Number of health insurance plans	Categ
10	S10HENUM	S10HENUM:W10 Number of health insurance plans	Categ
11	S11HENUM	S11HENUM:W11 Number of health insurance plans	Categ
12	S12HENUM	S12HENUM:W12 Number of health insurance plans	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HENUM	12497	0.77	0.58	0.0	4.0
R2HENUM	4762	0.31	0.52	0.0	4.0
R3HENUM	17838	0.69	0.58	0.0	6.0
R4HENUM	20871	0.54	0.59	0.0	6.0
R5HENUM	19163	0.54	0.58	0.0	7.0
R6HENUM	18042	0.74	0.56	0.0	11.0
R7HENUM	20018	0.73	0.62	0.0	23.0
R8HENUM	18373	0.67	0.57	0.0	12.0
R9HENUM	17099	0.62	0.61	0.0	13.0
R10HENUM	21599	0.61	0.60	0.0	12.0
R11HENUM	20339	0.57	0.59	0.0	11.0
R12HENUM	18513	0.57	0.65	0.0	21.0
S1HENUM	10124	0.82	0.58	0.0	4.0
S2HENUM	3328	0.36	0.54	0.0	4.0
S3HENUM	11857	0.75	0.58	0.0	6.0
S4HENUM	13632	0.64	0.60	0.0	6.0
S5HENUM	12440	0.64	0.59	0.0	4.0
S6HENUM	11583	0.81	0.54	0.0	5.0
S7HENUM	12929	0.80	0.60	0.0	23.0
S8HENUM	11693	0.74	0.56	0.0	12.0
S9HENUM	10595	0.70	0.61	0.0	13.0
S10HENUM	13301	0.67	0.59	0.0	12.0
S11HENUM	12402	0.63	0.59	0.0	11.0
S12HENUM	10923	0.64	0.65	0.0	21.0

Categorical Variable Codes

Value	R1HENUM	R2HENUM	R3HENUM	R4HENUM	R5HENUM	R6HENUM	R7HENUM
.D=DK		1	10	10	8	66	69
.M=Oth missing	146	55					
.P=Coverage carried from W1		6600					
.Q=Not asked this wv		8222					
.R=RF	9	2	2	3	2	43	24
.S=Skip,question not asked			141	500	406	14	18
0.None	3836	3381	6540	10435	9571	5619	6600
1	7751	1278	10380	9632	8912	11674	12465
2	855	92	831	711	603	677	842
3	51	8	78	82	64	51	93
4	4	3	6	7	12	10	8
5			2	3		10	6
6			1	1			
7					1		
11						1	2
22							1
23							1

Value	R8HENUM	R9HENUM	R10HENUM	R11HENUM	R12HENUM
.D=DK	66	85	144	130	142
.R=RF	15	16	40	36	45
.S=Skip,question not asked	15	17	251	49	48
0.None	6854	7123	9424	9528	8792
1	10850	9418	11435	10214	9075
2	598	494	606	502	511
3	59	43	107	69	96
4	9	11	19	14	24
5	2	4	4	7	9
6				3	
7			1		
10					2
11				2	2
12	1	5	3		
13		1			
21					2

Value	S1HENUM	S2HENUM	S3HENUM	S4HENUM	S5HENUM	S6HENUM	S7HENUM
.D=DK	1	1	8	5	6	21	25
.M=Oth missing	148	29					
.P=Coverage carried from W1		5379					
.Q=Not asked this wv		4549					
.R=RF	6	2	1	1	1	30	16
.S=Skip,question not asked			49	340	283	5	2
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		384	418	537	311	220	380
0.None	2707	2215	3757	5717	5181	2896	3471
1	6579	1030	7393	7236	6667	8112	8740
2	792	75	648	611	537	522	640
3	44	6	52	59	46	38	67
4	2	2	4	5	9	8	5
5			2	3		7	3
6			1	1			
11							2
23							1

Value	S8HENUM	S9HENUM	S10HENUM	S11HENUM	S12HENUM
.D=DK	32	37	52	60	72
.R=RF	7	10	18	15	21
.S=Skip,question not asked	3	4	142	11	15
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.None	3645	3717	5008	5072	4555
1	7534	6457	7784	6926	5933

2	460	376	421	341	347
3	42	34	73	49	63
4	9	5	11	9	16
5	2	1	2	2	5
6				1	
10					1
11				2	2
12	1	4	2		
13		1			
21					1

How Constructed

RwHENUM is a count of the number of health insurance plans the Respondent reports. This is taken from a direct question that asks, "How many plans do you have?"

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1 and the Respondent confirms this, the number of plans is not asked. In these cases the Respondent may confirm coverage from only one Wave 1 plan, so R2HENUM is set to .P = Covered in wave 1. It is unclear whether or not the Respondent has the same number of plans in Wave 2 as were reported in R1HENUM.

SwHENUM is a count of the number of health insurance plans the Respondent's spouse reports.

SwHENUM for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HENUM is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HENUM is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHENUM variable, if available. If the Respondent is not married, SwHENUM is set to .U=unmarried. If the Respondent's spouse did not respond, then SwHENUM is set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, a question asks how many plans does Respondent have.

In Wave 2H, if preloaded information indicates Respondent was covered by any employer-provided health insurance in Wave 1, the number of plans is not asked. If Respondent is not covered in Wave 1 but is in Wave 2H, then Respondent is asked how many plans he/she has.

This question is not asked in Wave 2A.

From Wave 3 forward, Respondent is asked how many plans he/she has.

HRS Variables Used

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HRS 1992:
    VP6614          R3:EMPLR HLTH INS PLAN/ Sp-Prtnr
    VP6615          R3A:EMP:#PLANS HAVE/ Sp-Prtnr
    VR6614          R3:EMPLR HLTH INS PLAN/ Self
    VR6615          R3A:EMP:#PLANS HAVE/ Self
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6725           R4a.# HEALTH INS PLANS F
AHEAD 1995:
    D5215           R9A.# OTHER HEALTH INS
HRS 1996:
    E5161           R14.NUMBER OF EMPLOYER PROVIDED PLANS
HRS 1998:
    F5894           R14.NUMBER OF PLANS
HRS 2000:
    G6267           R14.NUMBER OF PLANS
HRS 2002:
    HN023           NUM PRIVATE HEALTH INS PLANS
HRS 2004:
    JN023           NUM PRIVATE HEALTH INS PLANS
HRS 2006:
    KN023           NUM PRIVATE HEALTH INS PLANS
HRS 2008:
    LN023           NUM PRIVATE HEALTH INS PLANS
HRS 2010:
    MN023           NUM PRIVATE HEALTH INS PLANS
HRS 2012:
    NN023           NUM PRIVATE HEALTH INS PLANS
HRS 2014:
    ON023           NUM PRIVATE HEALTH INS PLANS
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
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Plan-specific employer-provided health insurance: Source of insurance and who is covered

Wave	Variable	Label	Type
1	R1HESRC1	R1HESRC1:W1 Source of R empl plan #1	Categ
2	R2HESRC1	R2HESRC1:W2 Source of R empl plan #1	Categ
3	R3HESRC1	R3HESRC1:W3 Source of R empl plan #1	Categ
4	R4HESRC1	R4HESRC1:W4 Source of R empl plan #1	Categ
5	R5HESRC1	R5HESRC1:W5 Source of R empl plan #1	Categ
6	R6HESRC1	R6HESRC1:W6 Source of R empl plan #1	Categ
7	R7HESRC1	R7HESRC1:W7 Source of R empl plan #1	Categ
8	R8HESRC1	R8HESRC1:W8 Source of R empl plan #1	Categ
9	R9HESRC1	R9HESRC1:W9 Source of R empl plan #1	Categ
10	R10HESRC1	R10HESRC1:W10 Source of R empl plan #1	Categ
11	R11HESRC1	R11HESRC1:W11 Source of R empl plan #1	Categ
12	R12HESRC1	R12HESRC1:W12 Source of R empl plan #1	Categ
1	S1HESRC1	S1HESRC1:W1 Source of Sp empl plan #1	Categ
2	S2HESRC1	S2HESRC1:W2 Source of Sp empl plan #1	Categ
3	S3HESRC1	S3HESRC1:W3 Source of Sp empl plan #1	Categ
4	S4HESRC1	S4HESRC1:W4 Source of Sp empl plan #1	Categ
5	S5HESRC1	S5HESRC1:W5 Source of Sp empl plan #1	Categ
6	S6HESRC1	S6HESRC1:W6 Source of Sp empl plan #1	Categ
7	S7HESRC1	S7HESRC1:W7 Source of Sp empl plan #1	Categ
8	S8HESRC1	S8HESRC1:W8 Source of Sp empl plan #1	Categ
9	S9HESRC1	S9HESRC1:W9 Source of Sp empl plan #1	Categ
10	S10HESRC1	S10HESRC1:W10 Source of Sp empl plan #1	Categ
11	S11HESRC1	S11HESRC1:W11 Source of Sp empl plan #1	Categ
12	S12HESRC1	S12HESRC1:W12 Source of Sp empl plan #1	Categ
1	R1HESRC2	R1HESRC2:W1 Source of R empl plan #2	Categ
2	R2HESRC2	R2HESRC2:W2 Source of R empl plan #2	Categ
3	R3HESRC2	R3HESRC2:W3 Source of R empl plan #2	Categ
6	R6HESRC2	R6HESRC2:W6 Source of R empl plan #2	Categ
7	R7HESRC2	R7HESRC2:W7 Source of R empl plan #2	Categ
8	R8HESRC2	R8HESRC2:W8 Source of R empl plan #2	Categ
9	R9HESRC2	R9HESRC2:W9 Source of R empl plan #2	Categ
10	R10HESRC2	R10HESRC2:W10 Source of R empl plan #2	Categ
11	R11HESRC2	R11HESRC2:W11 Source of R empl plan #2	Categ
12	R12HESRC2	R12HESRC2:W12 Source of R empl plan #2	Categ
1	S1HESRC2	S1HESRC2:W1 Source of Sp empl plan #2	Categ
2	S2HESRC2	S2HESRC2:W2 Source of Sp empl plan #2	Categ
3	S3HESRC2	S3HESRC2:W3 Source of Sp empl plan #2	Categ
6	S6HESRC2	S6HESRC2:W6 Source of Sp empl plan #2	Categ
7	S7HESRC2	S7HESRC2:W7 Source of Sp empl plan #2	Categ
8	S8HESRC2	S8HESRC2:W8 Source of Sp empl plan #2	Categ
9	S9HESRC2	S9HESRC2:W9 Source of Sp empl plan #2	Categ
10	S10HESRC2	S10HESRC2:W10 Source of Sp empl plan #2	Categ
11	S11HESRC2	S11HESRC2:W11 Source of Sp empl plan #2	Categ
12	S12HESRC2	S12HESRC2:W12 Source of Sp empl plan #2	Categ
6	R6HESRC3	R6HESRC3:W6 Source of R empl plan #3	Categ
7	R7HESRC3	R7HESRC3:W7 Source of R empl plan #3	Categ
8	R8HESRC3	R8HESRC3:W8 Source of R empl plan #3	Categ
9	R9HESRC3	R9HESRC3:W9 Source of R empl plan #3	Categ
10	R10HESRC3	R10HESRC3:W10 Source of R empl plan #3	Categ
11	R11HESRC3	R11HESRC3:W11 Source of R empl plan #3	Categ
12	R12HESRC3	R12HESRC3:W12 Source of R empl plan #3	Categ
6	S6HESRC3	S6HESRC3:W6 Source of Sp empl plan #3	Categ
7	S7HESRC3	S7HESRC3:W7 Source of Sp empl plan #3	Categ
8	S8HESRC3	S8HESRC3:W8 Source of Sp empl plan #3	Categ
9	S9HESRC3	S9HESRC3:W9 Source of Sp empl plan #3	Categ
10	S10HESRC3	S10HESRC3:W10 Source of Sp empl plan #3	Categ
11	S11HESRC3	S11HESRC3:W11 Source of Sp empl plan #3	Categ
12	S12HESRC3	S12HESRC3:W12 Source of Sp empl plan #3	Categ
1	R1HECOV1	R1HECOV1:W1 Who is covered in R empl plan #1	Categ
2	R2HECOV1	R2HECOV1:W2 Who is covered in R empl plan #1	Categ

3	R3HECOV1	R3HECOV1:W3 Who is covered in R empl plan #1	Categ
4	R4HECOV1	R4HECOV1:W4 Who is covered in R empl plan #1	Categ
5	R5HECOV1	R5HECOV1:W5 Who is covered in R empl plan #1	Categ
6	R6HECOV1	R6HECOV1:W6 Who is covered in R empl plan #1	Categ
7	R7HECOV1	R7HECOV1:W7 Who is covered in R empl plan #1	Categ
8	R8HECOV1	R8HECOV1:W8 Who is covered in R empl plan #1	Categ
9	R9HECOV1	R9HECOV1:W9 Who is covered in R empl plan #1	Categ
10	R10HECOV1	R10HECOV1:W10 Who is covered in R empl plan #1	Categ
11	R11HECOV1	R11HECOV1:W11 Who is covered in R empl plan #1	Categ
12	R12HECOV1	R12HECOV1:W12 Who is covered in R empl plan #1	Categ
1	S1HECOV1	S1HECOV1:W1 Who is covered in Sp empl plan #1	Categ
2	S2HECOV1	S2HECOV1:W2 Who is covered in Sp empl plan #1	Categ
3	S3HECOV1	S3HECOV1:W3 Who is covered in Sp empl plan #1	Categ
4	S4HECOV1	S4HECOV1:W4 Who is covered in Sp empl plan #1	Categ
5	S5HECOV1	S5HECOV1:W5 Who is covered in Sp empl plan #1	Categ
6	S6HECOV1	S6HECOV1:W6 Who is covered in Sp empl plan #1	Categ
7	S7HECOV1	S7HECOV1:W7 Who is covered in Sp empl plan #1	Categ
8	S8HECOV1	S8HECOV1:W8 Who is covered in Sp empl plan #1	Categ
9	S9HECOV1	S9HECOV1:W9 Who is covered in Sp empl plan #1	Categ
10	S10HECOV1	S10HECOV1:W10 Who is covered in Sp empl plan #1	Categ
11	S11HECOV1	S11HECOV1:W11 Who is covered in Sp empl plan #1	Categ
12	S12HECOV1	S12HECOV1:W12 Who is covered in Sp empl plan #1	Categ
1	R1HECOV2	R1HECOV2:W1 Who is covered in R empl plan #2	Categ
2	R2HECOV2	R2HECOV2:W2 Who is covered in R empl plan #2	Categ
3	R3HECOV2	R3HECOV2:W3 Who is covered in R empl plan #2	Categ
6	R6HECOV2	R6HECOV2:W6 Who is covered in R empl plan #2	Categ
7	R7HECOV2	R7HECOV2:W7 Who is covered in R empl plan #2	Categ
8	R8HECOV2	R8HECOV2:W8 Who is covered in R empl plan #2	Categ
9	R9HECOV2	R9HECOV2:W9 Who is covered in R empl plan #2	Categ
10	R10HECOV2	R10HECOV2:W10 Who is covered in R empl plan #2	Categ
11	R11HECOV2	R11HECOV2:W11 Who is covered in R empl plan #2	Categ
12	R12HECOV2	R12HECOV2:W12 Who is covered in R empl plan #2	Categ
1	S1HECOV2	S1HECOV2:W1 Who is covered in Sp empl plan #2	Categ
2	S2HECOV2	S2HECOV2:W2 Who is covered in Sp empl plan #2	Categ
3	S3HECOV2	S3HECOV2:W3 Who is covered in Sp empl plan #2	Categ
6	S6HECOV2	S6HECOV2:W6 Who is covered in Sp empl plan #2	Categ
7	S7HECOV2	S7HECOV2:W7 Who is covered in Sp empl plan #2	Categ
8	S8HECOV2	S8HECOV2:W8 Who is covered in Sp empl plan #2	Categ
9	S9HECOV2	S9HECOV2:W9 Who is covered in Sp empl plan #2	Categ
10	S10HECOV2	S10HECOV2:W10 Who is covered in Sp empl plan #2	Categ
11	S11HECOV2	S11HECOV2:W11 Who is covered in Sp empl plan #2	Categ
12	S12HECOV2	S12HECOV2:W12 Who is covered in Sp empl plan #2	Categ
6	R6HECOV3	R6HECOV3:W6 Who is covered in R empl plan #3	Categ
7	R7HECOV3	R7HECOV3:W7 Who is covered in R empl plan #3	Categ
8	R8HECOV3	R8HECOV3:W8 Who is covered in R empl plan #3	Categ
9	R9HECOV3	R9HECOV3:W9 Who is covered in R empl plan #3	Categ
10	R10HECOV3	R10HECOV3:W10 Who is covered in R empl plan #3	Categ
11	R11HECOV3	R11HECOV3:W11 Who is covered in R empl plan #3	Categ
12	R12HECOV3	R12HECOV3:W12 Who is covered in R empl plan #3	Categ
6	S6HECOV3	S6HECOV3:W6 Who is covered in Sp empl plan #3	Categ
7	S7HECOV3	S7HECOV3:W7 Who is covered in Sp empl plan #3	Categ
8	S8HECOV3	S8HECOV3:W8 Who is covered in Sp empl plan #3	Categ
9	S9HECOV3	S9HECOV3:W9 Who is covered in Sp empl plan #3	Categ
10	S10HECOV3	S10HECOV3:W10 Who is covered in Sp empl plan #3	Categ
11	S11HECOV3	S11HECOV3:W11 Who is covered in Sp empl plan #3	Categ
12	S12HECOV3	S12HECOV3:W12 Who is covered in Sp empl plan #3	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HESRC1	12462	1.87	2.27	0.0	6.0

R2HESRC1	11294	0.95	0.75	0.0	2.0
R3HESRC1	16090	0.67	0.73	0.0	2.0
R4HESRC1	20687	0.64	0.72	0.0	2.0
R5HESRC1	19469	0.67	0.74	0.0	2.0
R6HESRC1	17968	0.65	0.74	0.0	2.0
R7HESRC1	19941	0.66	0.74	0.0	2.0
R8HESRC1	18320	0.62	0.74	0.0	2.0
R9HESRC1	17057	0.57	0.73	0.0	2.0
R10HESRC1	21499	0.57	0.71	0.0	2.0
R11HESRC1	20262	0.53	0.70	0.0	2.0
R12HESRC1	18414	0.51	0.70	0.0	2.0
S1HESRC1	10166	0.78	0.93	0.0	2.0
S2HESRC1	8706	1.17	0.81	0.0	2.0
S3HESRC1	10751	0.98	0.90	0.0	2.0
S4HESRC1	13448	0.97	0.90	0.0	2.0
S5HESRC1	12685	0.97	0.89	0.0	2.0
S6HESRC1	11551	0.96	0.89	0.0	2.0
S7HESRC1	12907	0.94	0.89	0.0	2.0
S8HESRC1	11679	0.88	0.89	0.0	2.0
S9HESRC1	10577	0.81	0.88	0.0	2.0
S10HESRC1	13265	0.83	0.89	0.0	2.0
S11HESRC1	12366	0.78	0.89	0.0	2.0
S12HESRC1	10880	0.74	0.88	0.0	2.0
R1HESRC2	7177	0.33	1.21	0.0	6.0
R2HESRC2	3483	0.05	0.28	0.0	2.0
R3HESRC2	7254	0.16	0.49	0.0	2.0
R6HESRC2	6359	0.12	0.42	0.0	2.0
R7HESRC2	7538	0.13	0.43	0.0	2.0
R8HESRC2	7512	0.09	0.36	0.0	2.0
R9HESRC2	7677	0.07	0.31	0.0	2.0
R10HESRC2	10151	0.07	0.33	0.0	2.0
R11HESRC2	10114	0.06	0.29	0.0	2.0
R12HESRC2	9424	0.06	0.30	0.0	2.0
S1HESRC2	6081	0.08	0.35	0.0	2.0
S2HESRC2	2298	0.05	0.27	0.0	2.0
S3HESRC2	4344	0.20	0.54	0.0	2.0
S6HESRC2	3467	0.18	0.52	0.0	2.0
S7HESRC2	4180	0.20	0.54	0.0	2.0
S8HESRC2	4151	0.15	0.48	0.0	2.0
S9HESRC2	4135	0.12	0.44	0.0	2.0
S10HESRC2	5511	0.12	0.43	0.0	2.0
S11HESRC2	5469	0.09	0.39	0.0	2.0
S12HESRC2	4985	0.10	0.41	0.0	2.0
R6HESRC3	5685	0.01	0.12	0.0	2.0
R7HESRC3	6699	0.01	0.13	0.0	2.0
R8HESRC3	6923	0.01	0.11	0.0	2.0
R9HESRC3	7182	0.01	0.09	0.0	2.0
R10HESRC3	9547	0.01	0.13	0.0	2.0
R11HESRC3	9615	0.01	0.11	0.0	2.0
R12HESRC3	8918	0.01	0.13	0.0	2.0
S6HESRC3	2946	0.02	0.18	0.0	2.0
S7HESRC3	3542	0.03	0.22	0.0	2.0
S8HESRC3	3698	0.02	0.20	0.0	2.0
S9HESRC3	3759	0.02	0.18	0.0	2.0

S10HESRC3	5090	0.02	0.21	0.0	2.0
S11HESRC3	5130	0.02	0.17	0.0	2.0
S12HESRC3	4641	0.03	0.22	0.0	2.0
R1HECOV1	8605	3.62	1.86	1.0	6.0
R2HECOV1	7769	2.74	0.97	1.0	5.0
R3HECOV1	8694	2.87	1.23	1.0	4.0
R4HECOV1	10842	1.63	0.93	1.0	3.0
R5HECOV1	9890	2.82	1.24	1.0	4.0
R6HECOV1	8927	2.24	0.98	1.0	4.0
R7HECOV1	9938	2.20	1.00	1.0	4.0
R8HECOV1	8580	2.16	0.99	1.0	4.0
R9HECOV1	7292	2.13	0.99	1.0	4.0
R10HECOV1	9432	2.07	1.00	1.0	4.0
R11HECOV1	8226	2.03	1.00	1.0	4.0
R12HECOV1	7108	2.00	1.01	1.0	4.0
S1HECOV1	4471	3.26	0.92	2.0	5.0
S2HECOV1	6359	3.24	0.95	1.0	5.0
S3HECOV1	6680	3.69	1.21	2.0	5.0
S4HECOV1	8227	2.40	0.49	2.0	3.0
S5HECOV1	7496	3.73	1.19	2.0	5.0
S6HECOV1	6732	2.81	0.42	2.0	5.0
S7HECOV1	7442	2.79	0.50	2.0	5.0
S8HECOV1	6303	2.76	0.43	2.0	5.0
S9HECOV1	5268	2.76	0.44	2.0	5.0
S10HECOV1	6692	2.72	0.47	2.0	5.0
S11HECOV1	5832	2.69	0.47	2.0	5.0
S12HECOV1	4887	2.69	0.49	2.0	5.0
R1HECOV2	746	3.81	1.87	1.0	6.0
R2HECOV2	103	3.83	0.71	1.0	4.0
R3HECOV2	802	3.23	1.16	1.0	4.0
R6HECOV2	514	2.40	0.92	1.0	4.0
R7HECOV2	670	2.34	0.97	1.0	4.0
R8HECOV2	483	2.28	0.96	1.0	3.0
R9HECOV2	377	2.24	0.98	1.0	4.0
R10HECOV2	541	2.10	1.00	1.0	4.0
R11HECOV2	419	2.06	1.00	1.0	4.0
R12HECOV2	441	2.03	1.00	1.0	4.0
S1HECOV2	369	3.03	0.70	2.0	5.0
S2HECOV2	83	5.00	0.00	5.0	5.0
S3HECOV2	632	4.15	1.17	2.0	5.0
S6HECOV2	424	2.85	0.40	2.0	5.0
S7HECOV2	551	2.82	0.52	2.0	5.0
S8HECOV2	393	2.78	0.42	2.0	3.0
S9HECOV2	305	2.76	0.49	2.0	5.0
S10HECOV2	398	2.69	0.46	2.0	3.0
S11HECOV2	312	2.67	0.49	2.0	5.0
S12HECOV2	313	2.68	0.49	2.0	5.0
R6HECOV3	41	2.22	0.99	1.0	3.0
R7HECOV3	68	2.29	0.96	1.0	3.0
R8HECOV3	50	2.20	0.99	1.0	3.0
R9HECOV3	43	2.12	1.00	1.0	3.0
R10HECOV3	98	2.14	0.99	1.0	3.0
R11HECOV3	71	2.14	1.02	1.0	4.0
R12HECOV3	102	2.00	1.00	1.0	3.0

S6HECOV3	32	2.75	0.44	2.0	3.0
S7HECOV3	52	2.85	0.36	2.0	3.0
S8HECOV3	43	2.70	0.46	2.0	3.0
S9HECOV3	32	2.72	0.46	2.0	3.0
S10HECOV3	70	2.77	0.42	2.0	3.0
S11HECOV3	46	2.80	0.54	2.0	5.0
S12HECOV3	69	2.72	0.45	2.0	3.0

Categorical Variable Codes

Value	R1HESRC1	R2HESRC1	R3HESRC1	R4HESRC1	R5HESRC1	R6HESRC1	R7HESRC1
.C=Cov,DK by whose emplyr		7	399	590	14		
.D=DK	1	5	46	22	34		
.M=Oth missing	95	33	1250	69	49	123	111
.Q=Not asked this wv		8222					
.R=RF	10	18	17	16	13		
.T=Cov,DK whether by emplyr	84	63	189			74	77
0.No employer-provided insu	3952	3429	7795	10435	9593	9041	10003
1.Respondent	4732	4996	5823	7309	6708	6086	6778
2.Spouse	1031	2869	2472	2943	3168	2841	3160
6.R is a covered non FINR(W	2747						

Value	R8HESRC1	R9HESRC1	R10HESRC1	R11HESRC1	R12HESRC1
.M=Oth missing	96	118	436	215	235
.T=Cov,DK whether by emplyr	53	42	99	77	99
0.No employer-provided insu	9740	9765	12067	12036	11306
1.Respondent	5742	4895	6598	5728	4869
2.Spouse	2838	2397	2834	2498	2239

Value	S1HESRC1	S2HESRC1	S3HESRC1	S4HESRC1	S5HESRC1	S6HESRC1	S7HESRC1
.C=Cov,DK by whose emplyr		2	349	496	7		
.D=DK	1	2	22	8	19		
.M=Oth missing	95	12	696	16	10	56	43
.Q=Not asked this wv		4549					
.R=RF	9	13	5	10	9		
.T=Cov,DK whether by emplyr	8	4	92			32	22
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		384	418	537	311	220	380
0.No employer-provided insu	5713	2252	4420	5717	5196	4819	5465
1.Respondent	971	2735	2079	2457	2655	2432	2702
2.Spouse	3482	3719	4252	5274	4834	4300	4740

Value	S8HESRC1	S9HESRC1	S10HESRC1	S11HESRC1	S12HESRC1
.M=Oth missing	42	51	212	86	108
.T=Cov,DK whether by emplyr	14	18	36	36	43
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No employer-provided insu	5376	5309	6573	6534	5993
1.Respondent	2319	1942	2357	2054	1774
2.Spouse	3984	3326	4335	3778	3113

Value	R1HESRC2	R2HESRC2	R3HESRC2			R6HESRC2	R7HESRC2
.C=Cov,DK by whose emplyr			24				
.D=DK		4	46				
.M=Oth missing	95	30	88			123	111
.P=Only one plan carried fr		6615					
.Q=Not asked this wv		8222					
.R=RF	2	10	17				
.T=Cov,DK whether by emplyr	7		183			9	15
.X=No more plans	5371	1278	10379			11674	12465
0.No employer-provided insu	6440	3381	6476			5845	6868
1.Respondent	219	41	404			286	380
2.Spouse	238	61	374			228	290
6.R is a covered non FINR(W	280						

Value	R8HESRC2	R9HESRC2	R10HESRC2	R11HESRC2	R12HESRC2
.M=Oth missing	96	118	435	215	235
.T=Cov,DK whether by emplyr	11	4	13	11	14
.X=No more plans	10850	9418	11435	10214	9075
0.No employer-provided insu	7029	7300	9610	9695	8983
1.Respondent	293	243	345	273	293
2.Spouse	190	134	196	146	148

Value	S1HESRC2	S2HESRC2	S3HESRC2			S6HESRC2	S7HESRC2
.C=Cov,DK by whose emplyr			22				
.D=DK		1	22				
.M=Oth missing	95	9	31			56	43
.P=Only one plan carried fr		5394					
.Q=Not asked this wv		4549					
.R=RF	1	7	5				
.T=Cov,DK whether by emplyr			99			4	9
.U=Unmarried	2373	5970	5658			6306	6777
.V=Spouse NR		384	418			220	380
.X=No more plans	4102	1030	7392			8112	8740
0.No employer-provided insu	5713	2215	3734			3043	3629
1.Respondent	223	52	331			216	267
2.Spouse	145	31	279			208	284

Value	S8HESRC2	S9HESRC2	S10HESRC2	S11HESRC2	S12HESRC2
.M=Oth missing	42	51	212	86	108
.T=Cov,DK whether by emplyr	8	3	6	7	5
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=No more plans	7534	6457	7784	6926	5933
0.No employer-provided insu	3758	3830	5113	5157	4672
1.Respondent	173	115	161	125	121
2.Spouse	220	190	237	187	192

Value	R6HESRC3	R7HESRC3
.M=Oth missing	123	111
.T=Cov,DK whether by emplyr	6	12
.X=No more plans	12351	13307
0.No employer-provided insu	5644	6631
1.Respondent	29	54
2.Spouse	12	14

Value	R8HESRC3	R9HESRC3	R10HESRC3	R11HESRC3	R12HESRC3
.M=Oth missing	96	118	435	215	235
.T=Cov,DK whether by emplyr	2	5	11	8	9
.X=No more plans	11448	9912	12041	10716	9586
0.No employer-provided insu	6873	7139	9449	9544	8816
1.Respondent	41	39	80	54	83
2.Spouse	9	4	18	17	19

Value	S6HESRC3	S7HESRC3
.M=Oth missing	56	43
.T=Cov,DK whether by emplyr	3	7
.U=Unmarried	6306	6777
.V=Spouse NR	220	380
.X=No more plans	8634	9380
0.No employer-provided insu	2914	3490
1.Respondent	11	14
2.Spouse	21	38

Value	S8HESRC3	S9HESRC3	S10HESRC3	S11HESRC3	S12HESRC3
.M=Oth missing	42	51	212	86	108
.T=Cov,DK whether by emplyr	1	3	6	5	2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=No more plans	7994	6833	8205	7267	6280
0.No employer-provided insu	3655	3727	5020	5084	4572
1.Respondent	9	2	17	13	17
2.Spouse	34	30	53	33	52

Value	R1HECOV1	R2HECOV1	R3HECOV1	R4HECOV1	R5HECOV1	R6HECOV1	R7HECOV1
.D=DK			221	22	34	69	71
.H=Source missing,question		20					
.M=Oth missing	95	202	1250	69	49	123	111
.N=None	3952	3429	7795	10435	9593	9041	10003
.Q=Not asked this wv		8222					
.R=RF			31	16	13	5	6
1.Respondent Only	1874	1574	2405	7420	2899	3427	4042
2.Spouse		211					
3.Both	3143	4678	2609	3422	3019	5454	5730
4.Respondent, DK Spouse	841	1293	3680		3972	46	166
5.Spouse, DK R		13					
6.R is a covered non FINR(W	2747						

Value	R8HECOV1	R9HECOV1	R10HECOV1	R11HECOV1	R12HECOV1
.D=DK	53	40	89	74	95
.M=Oth missing	96	118	436	215	235
.N=None	9740	9765	12067	12036	11306
.R=RF		2	10	3	4
1.Respondent Only	3631	3164	4391	3988	3555
3.Both	4929	4114	5004	4221	3522
4.Respondent, DK Spouse	20	14	37	17	31

Value	S1HECOV1	S2HECOV1	S3HECOV1	S4HECOV1	S5HECOV1	S6HECOV1	S7HECOV1
.D=DK			108	8	19	30	20
.H=Source missing,question		10					
.M=Oth missing	95	118	696	16	10	56	43
.N=None	5713	2252	4420	5717	5196	4819	5465
.Q=Not asked this wv		4549					
.R=RF			11	10	9	2	2
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		384	418	537	311	220	380
1.Respondent Only		208					
2.Spouse	593	449	1232	4950	1225	1358	1774
3.Both	2994	4486	2528	3277	2931	5347	5563
4.Respondent, DK Spouse		13					
5.Spouse, DK R	884	1203	2920		3340	27	105

Value	S8HECOV1	S9HECOV1	S10HECOV1	S11HECOV1	S12HECOV1
.D=DK	14	17	32	34	41
.M=Oth missing	42	51	212	86	108
.N=None	5376	5309	6573	6534	5993
.R=RF		1	4	2	2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
2.Spouse	1500	1286	1954	1822	1556
3.Both	4796	3976	4714	3999	3309
5.Spouse, DK R	7	6	24	11	22

Value	R1HECOV2	R2HECOV2	R3HECOV2	R6HECOV2	R7HECOV2
.D=DK			222	5	13
.H=Source missing,question		13			
.M=Oth missing	95	30	88	123	111
.N=None	6440	3381	6476	5845	6868
.P=Only one plan carried fr		6615			
.Q=Not asked this wv		8222			
.R=RF			24	4	2
.X=No more plans	5371	1278	10379	11674	12465
1.Respondent Only	135	6	156	154	227
3.Both	299		150	358	431
4.Respondent, DK Spouse	32	97	496	2	12
6.R is a covered non FINR(W	280				

Value	R8HECOV2	R9HECOV2	R10HECOV2	R11HECOV2	R12HECOV2
.D=DK	8	3	8	9	9
.M=Oth missing	96	118	435	215	235
.N=None	7029	7300	9610	9695	8983
.R=RF	3	1	5	2	5
.X=No more plans	10850	9418	11435	10214	9075
1.Respondent Only	173	145	244	198	214
3.Both	310	229	296	220	226
4.Respondent, DK Spouse		3	1	1	1

Value	S1HECOV2	S2HECOV2	S3HECOV2	S6HECOV2	S7HECOV2
.D=DK			116	2	7
.H=Source missing,question		8			
.M=Oth missing	95	9	31	56	43
.N=None	5713	2215	3734	3043	3629
.P=Only one plan carried fr		5394			
.Q=Not asked this wv		4549			
.R=RF			10	2	2
.U=Unmarried	2373	5970	5658	6306	6777
.V=Spouse NR		384	418	220	380
.X=No more plans	4102	1030	7392	8112	8740
2.Spouse	54		84	69	121
3.Both	283		144	353	419
5.Spouse, DK R	32	83	404	2	11

Value	S8HECOV2	S9HECOV2	S10HECOV2	S11HECOV2	S12HECOV2
.D=DK	6	2	3	5	2
.M=Oth missing	42	51	212	86	108
.N=None	3758	3830	5113	5157	4672
.R=RF	2	1	3	2	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=No more plans	7534	6457	7784	6926	5933
2.Spouse	88	79	122	105	103
3.Both	305	223	276	206	209
5.Spouse, DK R		3		1	1

Value	R6HECOV3	R7HECOV3
.D=DK	2	11
.M=Oth missing	123	111
.N=None	5644	6631
.R=RF	4	1
.X=No more plans	12351	13307
1.Respondent Only	16	24
3.Both	25	44

Value	R8HECOV3	R9HECOV3	R10HECOV3	R11HECOV3	R12HECOV3
.D=DK	2	5	5	5	5
.M=Oth missing	96	118	435	215	235
.N=None	6873	7139	9449	9544	8816
.R=RF			6	3	4
.X=No more plans	11448	9912	12041	10716	9586
1.Respondent Only	20	19	42	31	51
3.Both	30	24	56	39	51
4.Respondent, DK Spouse				1	

Value	S6HECOV3	S7HECOV3
.D=DK	1	6
.M=Oth missing	56	43
.N=None	2914	3490
.R=RF	2	1
.U=Unmarried	6306	6777
.V=Spouse NR	220	380
.X=No more plans	8634	9380
2.Spouse	8	8
3.Both	24	44

Value	S8HECOV3	S9HECOV3	S10HECOV3	S11HECOV3	S12HECOV3
.D=DK	1	3	2	2	2
.M=Oth missing	42	51	212	86	108
.N=None	3655	3727	5020	5084	4572
.R=RF			4	3	
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=No more plans	7994	6833	8205	7267	6280
2.Spouse	13	9	16	11	19
3.Both	30	23	54	34	50
5.Spouse, DK R				1	

How Constructed

These variables provide source and coverage information about individual employer-provided health insurance plans. RwHESRCx, the source, may be a current or previous employer or union of the Respondent or spouse, and Respondent and spouse can be covered. If the Respondent is self-employed, health insurance provided by his business is considered employer-provided. There are variables for each plan. The number of plans for which information was collected varies from wave to wave. RwHESRCx indicates the source of the health insurance plan, where "x" denotes the plan number. RwHECOVx indicates who is covered under the plan.

For each plan the Respondent is asked for the source. If the plan is provided by the Respondent's business, current or previous employer or union, then we set RwHESRCx to "Respondent." If the plan comes from the Respondent's spouse's current or former employer or union or from an ex-spouse, then we set RwHESRCx to "Spouse."

We also collect information on who is covered under each insurance plan. If the Respondent reports that he is covered but no-one else is covered, then RwHECOVx is set to "Respondent only covered." If the Respondent is not given an opportunity to report if anyone else is covered or answers "don't know" or "refused" to the anyone else covered question, then RwHECOVx is set to "Respondent, don't know about Spouse." If the Respondent reports that spouse is also covered under their plan, then RwHECOVx is set to "Both."

In Wave 1 only the Financial Respondent answered the questions. They are asked first about their primary plan and whether others are covered under this plan, and then they are asked if their spouse has any additional health insurance plans. So it is possible for the spouse to be covered under the Financial Respondent's plan and not have any additional plans. Then, R1HESRC1=6 is a special value indicating that the Respondent is a Non-Financial Respondent and is only covered under the Financial Respondent's primary plan. If the non-Financial Respondent also has an additional plan, the R1HESRC1 will contain information about the additional plan, and the spouse variables (S1HECOV) will hold the information regarding the Financial Respondent's plan. So it is important to look at the spouse variables as well as the Respondent variables to get a full picture of the non-Financial Respondent's coverage in Wave 1.

In Wave 2H, the source of the plan is not asked if a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1 and if the Respondent indicates that he/she is still covered by

that source. The HRS documentation indicates that the preloaded value is taken from specific Wave 1 variables. In these cases, the Wave 1 variable is used to determine whether the plan that continues to cover the Respondent in Wave 2 is the Respondent's or the spouse's plan. If it is the Respondent's plan then R2HESRCx is set to "Respondent." If it is the spouse's plan then R2HESRCx is set to "Spouse." If the preloaded value does not indicate Wave 1 coverage, or if the Respondent does not say he/she is still covered by that source, then questions similar to the Wave 1 questions are asked, and if the source of any plan that covers the Respondent is the Respondent's current or previous employer, union, or own business, then R2HESRCx is set to "Respondent." If the source of any plan that covers the Respondent is the spouse's current or previous employer, or union, then R2HESRCx is set to "Spouse."

In Wave 2A, questions about non-government health insurance do not include any information about the source of the coverage. So for the AHEAD Respondents, R2HESRCx and R2HECOVx are set to the .Q SAS special missing value, to indicate that no information is available.

From Wave 3 forward, the questions do not depend on answers given in previous waves. In Wave 3A, a question asks if the Respondent is covered by any non-government health plan besides long term care insurance.

In Waves 3H, 4 and 5, a question asks if the Respondent is covered by any employer provided health insurance, or if self-employed, through the business. If no health insurance is reported in these questions RwHESRCx is set to "0" and RwHECOVx is set to .N - no employer related insurance. If the Respondent reports having health insurance, then RwHECOVx is set to "Respondent only." RwHESRCx is set to "Respondent" if the source is the Respondent's current or previous employer or union, or if the Respondent is self-employed and has health insurance through the business. If the Respondent reports that their spouse is also covered under this insurance, then RwHECOVx is set to "Both." RwHESRCx is set to "Spouse" if the source is the spouse's current or previous employer or union. If the Respondent doesn't know if anyone else is covered or reports that someone else is covered but doesn't know who, then RwHECOVx is set to "Respondent, don't know about spouse."

In Wave 3A, if the source of insurance is unknown (DK/RF), then RwHESRCx and RwHECOVx are set to missing (.D/.R). If no source is unknown and none of the sources indicate the Respondent's and the Respondent's spouse's employer, then RwHESRCx is set to "0" and RwHECOVx is set to .N.

In Wave 3H and from Wave 4 forward, if the Respondent reports employer-provided insurance but the source of coverage is "other," "don't know," or "refused" then RwHESRCx is set to special missing .C, covered but don't know the source. RwHECOVx is still reported and so it is possible for RwHESRCx to be a special missing and RwHECOVx not missing. This happens most often for self-employed Respondents in Waves 3H and 4 who did not have insurance through the business but did through an employer. In Wave 3H and from Wave 4 on, if RwHESRCx is .C and the spouse of the Respondent indicates whether or not the Respondent is covered by his/her (the spouse's) employer-provided insurance, then RwHESRCx is set according to the spouse information.

Beginning in Wave 6, the self-employed are no longer asked the health insurance question separately; it is combined with current employer. Note that because questions are skipped based on the Respondent's marital status in Waves 6 and 7, spouse's current or previous employer is not directly asked as the source if the Respondent is not married/partnered. In prior waves, there is no such limitation, and some reported a spouse's employer as the source of insurance even when not married. From Wave 8 forward, ever-married Respondents are asked about former spouse's employers as the source of insurance.

S1HESRCx and S1HECOVx for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HESCRx and S1HECOVx are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HESRCx and S1HECOVx are the Financial Respondent's information.

From Wave 2 on, SwHESCRx and SwHECOVx are derived from the spouse's self-reported RwHESRCx and RwHECOVx

variables, if available.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, the private health insurance questions begin with: "Do you have any type of health insurance coverage obtained through your [or your spouse's] employer, former employer or union, such as Blue Cross-Blue Shield or a Health Maintenance Organization?" If yes, the Financial Respondent is asked how many plans and the source of up to two plans. The source of insurance can be the Respondent's current or former employer, the Respondent's union, Respondent's spouse's current or former employer or union, and other. If the Financial Respondent is married and reported having employer-provided health insurance, the first question about the spouse's private health insurance coverage is: "You told me earlier that you obtain health insurance through an employer or union. Is your spouse covered by the same insurance plan(s)?"

If so, the Financial Respondent is then asked by which (if more than one plan). The questions then ask if the Financial Respondent's spouse is covered by any additional employer-provided health insurance, and if so, the source of up to two plans. We also collect information for up to two plans for the spouse. If the spouse is covered by the Financial Respondent's plan and also has additional plans, then we use additional information first and the Financial Respondent's plan information can be found in the S1HESRCx and S1HECOVx variables. If they do not have additional plans and are only covered by the Financial Respondent's plan, then we use the special value '6' to indicate that the Respondent is a covered Non-Financial Respondent.

So R1HESRC1 is the first plan the Respondent reported to be covered under and R1HERTR1 is the first plan the Respondent reported to be covered in retirement. The analyst must look at the source variable to see whose employer is providing the coverage. This is only true in Wave 1 - in later waves if the source is not the Respondent's employer, the retirement coverage questions are not asked. So in later waves when SwHERTR1=1, then SwHESRC1=2 (Spouse's employer). In Wave 2 if the Respondent says he is still covered under his Wave 1 plan, then we carry his first Wave 1 plan information forward.

The definition of these new insurance variables is slightly different from the more general ones (RwCOVR/RwCOVS and RwCOVRT) and the two sets do not always match up. For example, there are 9 cases in Wave 1 where the Respondent says he has one plan but gives information about two. For these cases R1COVR=1, but in the detailed variable derivation the number of plans limits the plan information examined, so the second plan source is ignored. There are also 18 cases that have R2COVRT=1, but the detailed variables do not indicate coverage in retirement. For R2COVRT, the Wave 2 information is being carried forward from the second plan in Wave 1. The detailed variable derivation only carries information on one Wave 1 plan forward to Wave 2, so the detailed variable R2HERTR2 is set to .P instead of 1.

For the Financial Respondent in Wave 1, and for Waves 2H and 3, up to two insurance plans are asked about. In Waves 4 and 5, only one employer-provided health insurance plan is asked about. The question wording asks for information about plans in order of importance. From Wave 6 forward, data is collected about three plans.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked: "According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?" If yes, no further questions on source of insurance are asked. If the Respondent is the Financial Respondent in Wave 2H and says the records show wrong coverage, a follow-up question asks for a corrected source of insurance at the last interview and whether the Respondent is still covered. If the Respondent was not the Financial Respondent in Wave 1 and says the records show wrong coverage, or if the Respondent (Financial Respondent or not) responds with any other answer

except "yes," questions almost identical to those asked in Wave 1 regarding coverage and its source are asked.

In Wave 2H, additional answers for the source of health insurance are possible. In particular, "Through own business" and "Purchased through own business/self-employment" are added to address the coverage of those self-employed.

In Wave 2A, questions about other health insurance are asked but there are no questions to indicate whether the source of that insurance is a current or previous employer.

In Wave 3A, the question about other health insurance is followed up by asking the source of the insurance. Besides current or previous employers and unions of the Respondent and spouse, the source can be other organizations or self. There are two questions about source of coverage, one for the first, or most important plan, and the other about other plans, with the option to answer all that apply.

In Waves 3H, 4 and 5, self-employed Respondents are asked: "Do you have health insurance through that business that pays hospital or doctor bills?" If self-employed and not covered through the business, or if not self-employed, the Respondent is asked if he/she is covered by any employer-provided health insurance. If "yes," the source of the coverage is asked. Unfortunately, in Waves 3H and 4, the specific source of coverage was skipped if the Respondent was self-employed, not covered by the business, but was covered by an employer-provided insurance. This is corrected in Wave 5.

In Waves 6 forward, the questions about sources of employer-provided health insurance are asked about up to three plans, and they are asked differently than in previous waves. The questions about source of insurance are asked separately, in the following order until the source is reported:

1. Only if the Respondent is working: "Do you obtain this health insurance through Current employer/Own Business of yours?"

2."Do you obtain this health insurance through a former employer of yours?"

3: Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's Current employer?"

4. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's former employer?"

5: "Did you purchase this plan directly from an insurance company, through your/your spouse's union, through a group such as AARP, a church, or other organization, or what?"

From Wave 8 forward, question 3 is also asked of those who are separated, divorced, or who have had their marriage annulled, with the following wording: "Do you obtain this health insurance through your former spouse/partner's Current employer?" Question 4 is asked of this expanded group and those who are widowed as: "Do you obtain this health insurance through your former spouse/partner's former employer?"

Note that in prior waves, the Respondent's current employer could be given as the source even if the Respondent is not working, and the spouse's employer could be given as the source even if the Respondent is not married or partnered. Former and deceased spouse's employers have been coded as the source if mentioned in response to the 5th question in the final release of 2002 (W6) and 2004 (W7) data.

For Wave 3H and from Wave 4 forward, if coverage is from the Respondent's employer or union, the Respondent is also asked who else is covered on this health insurance, and the response options include a code for spouse.

HRS Variables Used

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HRS 1992:
    V6614           R3:R1EMPLR HLTH INS PLAN
    V6615           R3A:R1EMP:#PLANS HAVE
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6624           R4:R1EMP:#2:HOW OBTAINED
    V6808           R22:R2COV BY R'S EMP INS
    V6809           R23:CKPT:ONLY 1 PLAN/OTH
    V6810           R24A:PLAN1 COV BOTH R SP
    V6811           R24B:PLAN2 COVERS BOTH
    V6813           R25:R2HAS OTHR EMP INS
    V6814           R26:R2EMPLR HLTH INS PLN
    V6815           R26A:R2EMP:#PLANS HAVE
    V6816           R27:R2EMP:#1:HOW OBTAIND
    V6824           R27:R2EMP:#2:HOW OBTAIND
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6740           P2. R5.HOW OBTAINED
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5215           R9A.# OTHER HEALTH INS
    D5225M1         R10D-1.  HOW OBTAIN OTHER HMO-1
    D5225M2         R10D-2. HOW OBTAIN OTHER HMO-1
    D5225M3         R10D. HOW OBTAIN OTHER HMO-1
    D5242M1         R11D-1.  HOW OBTAIN OTHER HMO-1
    D5242M2         R11D-2.  HOW OBTAIN OTHER HMO-1
HRS 1996:
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5172_1         R19C.ANYONE ELSE COVERED
    E5172_2         R19C.ANYONE ELSE COVERED
    E5173001        R19D.WHO COVERED?
    E5173002        R19D.WHO COVERED?
    E5173003        R19D.WHO COVERED?
    E5173004        R19D.WHO COVERED?
    E5173005        R19D.WHO COVERED?
    E5173011        R19D.WHO COVERED?
    E5173012        R19D.WHO COVERED?
    E5173013        R19D.WHO COVERED?
    E5173014        R19D.WHO COVERED?
    E5173015        R19D.WHO COVERED?
HRS 1998:
    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5896           R15.HOW OBTAIN INSURANCE
    F5905           R19C.ANYONE ELSE COVERED
    F5906M1         R19D.WHO COVERED?
    F5906M2         R19D.WHO COVERED?
    F5906M3         R19D.WHO COVERED?
    F5906M4         R19D.WHO COVERED?
    F5906M5         R19D.WHO COVERED?
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    F5906M6         R19D.WHO COVERED?
HRS 2000:
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6278           R19C.ANYONE ELSE COVERED
    G6279M1         R19D.WHO COVERED?
    G6279M2         R19D.WHO COVERED?
    G6279M3         R19D.WHO COVERED?
    G6279M4         R19D.WHO COVERED?
    G6279M5         R19D.WHO COVERED?
    G6279M6         R19D.WHO COVERED?
    G6330           R54.IS ANYONE ELSE COVERED
    G6331M1         R54A.WHO ELSE COVERED
    G6331M2         R54A.WHO ELSE COVERED
    G6331M3         R54A.WHO ELSE COVERED
    G6331M4         R54A.WHO ELSE COVERED
    G6331M5         R54A.WHO ELSE COVERED
    G6331M6         R54A.WHO ELSE COVERED
HRS 2002:
    HN023           NUM PRIVATE HEALTH INS PLANS
    HN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    HN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    HN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    HN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    HN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    HN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    HN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    HN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    HN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    HN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    HN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    HN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    HN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    HN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    HN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    HN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    HN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    HN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    HN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    HN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    HN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    HN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    HN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    HN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    HN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    HN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    HN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    HN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    HN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    HN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    HN049_3C        PRIV PLAN HI- WHO COVERED- 3- 2
    HN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2004:
    JN023           NUM PRIVATE HEALTH INS PLANS
    JN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    JN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    JN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    JN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
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    JN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    JN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    JN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    JN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    JN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    JN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    JN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    JN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    JN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    JN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    JN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    JN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    JN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    JN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    JN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    JN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    JN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    JN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    JN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    JN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    JN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    JN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    JN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    JN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    JN049_2E        PRIV PLAN HI- WHO COVERED-2-5
    JN049_2F        PRIV PLAN HI- WHO COVERED -2
    JN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    JN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    JN049_3C        PRIV PLAN HI- WHO COVERED-3-3
    JN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
    JN049_3E        PRIV PLAN HI- WHO COVERED- 3- 5
    JN049_3F        PRIV PLAN HI- WHO COVERED- 3- 6
HRS 2006:
    KN023           NUM PRIVATE HEALTH INS PLANS
    KN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    KN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    KN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    KN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    KN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    KN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    KN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    KN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    KN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    KN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    KN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    KN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    KN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    KN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    KN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    KN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    KN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    KN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    KN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    KN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    KN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    KN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    KN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    KN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    KN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
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    KN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    KN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    KN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    KN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    KN049_2F        PRIV PLAN HI- WHO COVERED -2- 6
    KN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    KN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    KN049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    KN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
    KN049_3E        PRIV PLAN HI- WHO COVERED- 3- 5
    KN049_3F        PRIV PLAN HI- WHO COVERED- 3- 6
HRS 2008:
    LN023           NUM PRIVATE HEALTH INS PLANS
    LN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    LN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    LN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    LN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    LN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    LN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    LN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    LN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    LN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    LN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    LN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    LN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    LN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    LN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    LN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    LN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    LN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    LN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    LN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    LN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    LN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    LN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    LN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    LN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    LN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    LN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    LN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    LN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    LN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    LN049_2F        PRIV PLAN HI- WHO COVERED -2- 6
    LN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    LN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    LN049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    LN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2010:
    MN023           NUM PRIVATE HEALTH INS PLANS
    MN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    MN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    MN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    MN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    MN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    MN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    MN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    MN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    MN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    MN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
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    MN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    MN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    MN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    MN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    MN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    MN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    MN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    MN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    MN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    MN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    MN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    MN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    MN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    MN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    MN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    MN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    MN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    MN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    MN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    MN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    MN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    MN049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    MN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
    MN049_3E        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2012:
    NN023           NUM PRIVATE HEALTH INS PLANS
    NN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    NN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    NN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    NN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    NN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    NN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    NN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    NN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    NN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    NN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    NN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    NN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    NN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    NN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    NN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    NN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    NN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    NN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    NN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    NN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    NN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    NN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    NN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    NN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    NN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    NN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    NN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    NN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    NN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    NN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    NN049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    NN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2014:
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    ON023           NUM PRIVATE HEALTH INS PLANS
    ON033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    ON033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    ON033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    ON034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    ON034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    ON034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    ON035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    ON035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    ON035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    ON036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    ON036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    ON036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    ON037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    ON037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    ON037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    ON048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    ON048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    ON048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    ON049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    ON049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    ON049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    ON049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    ON049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    ON049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    ON049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    ON049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    ON049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    ON049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    ON049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    ON049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    ON049_3C        PRIV PLAN HI- WHO COVERED- 3- 3
    ON049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
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Plan-specific employer-provided health insurance: Coverage in retirement

Wave	Variable	Label	Type
1	R1HERTR1	R1HERTR1:W1 R coverage by R in retirement #1	Categ
2	R2HERTR1	R2HERTR1:W2 R coverage by R in retirement #1	Categ
3	R3HERTR1	R3HERTR1:W3 R coverage by R in retirement #1	Categ
4	R4HERTR1	R4HERTR1:W4 R coverage by R in retirement #1	Categ
5	R5HERTR1	R5HERTR1:W5 R coverage by R in retirement #1	Categ
6	R6HERTR1	R6HERTR1:W6 R coverage by R in retirement #1	Categ
7	R7HERTR1	R7HERTR1:W7 R coverage by R in retirement #1	Categ
8	R8HERTR1	R8HERTR1:W8 R coverage by R in retirement #1	Categ
9	R9HERTR1	R9HERTR1:W9 R coverage by R in retirement #1	Categ
10	R10HERTR1	R10HERTR1:W10 R coverage by R in retirement #1	Categ
11	R11HERTR1	R11HERTR1:W11 R coverage by R in retirement #1	Categ
12	R12HERTR1	R12HERTR1:W12 R coverage by R in retirement #1	Categ
1	S1HERTR1	S1HERTR1:W1 R coverage by Sp in retirement #1	Categ
2	S2HERTR1	S2HERTR1:W2 R coverage by Sp in retirement #1	Categ
5	S5HERTR1	S5HERTR1:W5 R coverage by Sp in retirement #1	Categ
6	S6HERTR1	S6HERTR1:W6 R coverage by Sp in retirement #1	Categ
7	S7HERTR1	S7HERTR1:W7 R coverage by Sp in retirement #1	Categ
8	S8HERTR1	S8HERTR1:W8 R coverage by Sp in retirement #1	Categ
9	S9HERTR1	S9HERTR1:W9 R coverage by Sp in retirement #1	Categ
10	S10HERTR1	S10HERTR1:W10 R coverage by Sp in retirement #1	Categ
11	S11HERTR1	S11HERTR1:W11 R coverage by Sp in retirement #1	Categ
12	S12HERTR1	S12HERTR1:W12 R coverage by Sp in retirement #1	Categ
1	R1HERTR2	R1HERTR2:W1 R coverage by R in retirement #2	Categ
2	R2HERTR2	R2HERTR2:W2 R coverage by R in retirement #2	Categ
3	R3HERTR2	R3HERTR2:W3 R coverage by R in retirement #2	Categ
6	R6HERTR2	R6HERTR2:W6 R coverage by R in retirement #2	Categ
7	R7HERTR2	R7HERTR2:W7 R coverage by R in retirement #2	Categ
8	R8HERTR2	R8HERTR2:W8 R coverage by R in retirement #2	Categ
9	R9HERTR2	R9HERTR2:W9 R coverage by R in retirement #2	Categ
10	R10HERTR2	R10HERTR2:W10 R coverage by R in retirement #2	Categ
11	R11HERTR2	R11HERTR2:W11 R coverage by R in retirement #2	Categ
12	R12HERTR2	R12HERTR2:W12 R coverage by R in retirement #2	Categ
1	S1HERTR2	S1HERTR2:W1 R coverage by Sp in retirement #2	Categ
2	S2HERTR2	S2HERTR2:W2 R coverage by Sp in retirement #2	Categ
6	S6HERTR2	S6HERTR2:W6 R coverage by Sp in retirement #2	Categ
7	S7HERTR2	S7HERTR2:W7 R coverage by Sp in retirement #2	Categ
8	S8HERTR2	S8HERTR2:W8 R coverage by Sp in retirement #2	Categ
9	S9HERTR2	S9HERTR2:W9 R coverage by Sp in retirement #2	Categ
10	S10HERTR2	S10HERTR2:W10 R coverage by Sp in retirement #2	Categ
11	S11HERTR2	S11HERTR2:W11 R coverage by Sp in retirement #2	Categ
12	S12HERTR2	S12HERTR2:W12 R coverage by Sp in retirement #2	Categ
6	R6HERTR3	R6HERTR3:W6 R coverage by R in retirement #3	Categ
7	R7HERTR3	R7HERTR3:W7 R coverage by R in retirement #3	Categ
8	R8HERTR3	R8HERTR3:W8 R coverage by R in retirement #3	Categ
9	R9HERTR3	R9HERTR3:W9 R coverage by R in retirement #3	Categ
10	R10HERTR3	R10HERTR3:W10 R coverage by R in retirement #3	Categ
11	R11HERTR3	R11HERTR3:W11 R coverage by R in retirement #3	Categ
12	R12HERTR3	R12HERTR3:W12 R coverage by R in retirement #3	Categ
6	S6HERTR3	S6HERTR3:W6 R coverage by Sp in retirement #3	Categ
7	S7HERTR3	S7HERTR3:W7 R coverage by Sp in retirement #3	Categ
8	S8HERTR3	S8HERTR3:W8 R coverage by Sp in retirement #3	Categ
9	S9HERTR3	S9HERTR3:W9 R coverage by Sp in retirement #3	Categ
10	S10HERTR3	S10HERTR3:W10 R coverage by Sp in retirement #3	Categ
11	S11HERTR3	S11HERTR3:W11 R coverage by Sp in retirement #3	Categ
12	S12HERTR3	S12HERTR3:W12 R coverage by Sp in retirement #3	Categ
1	R1HERTS1	R1HERTS1:W1 Sp coverage by R in retirement #1	Categ
2	R2HERTS1	R2HERTS1:W2 Sp coverage by R in retirement #1	Categ
5	R5HERTS1	R5HERTS1:W5 Sp coverage by R in retirement #1	Categ
6	R6HERTS1	R6HERTS1:W6 Sp coverage by R in retirement #1	Categ
7	R7HERTS1	R7HERTS1:W7 Sp coverage by R in retirement #1	Categ

8	R8HERTS1	R8HERTS1:W8 Sp coverage by R in retirement #1	Categ
9	R9HERTS1	R9HERTS1:W9 Sp coverage by R in retirement #1	Categ
10	R10HERTS1	R10HERTS1:W10 Sp coverage by R in retirement #1	Categ
11	R11HERTS1	R11HERTS1:W11 Sp coverage by R in retirement #1	Categ
12	R12HERTS1	R12HERTS1:W12 Sp coverage by R in retirement #1	Categ
1	S1HERTS1	S1HERTS1:W1 Sp coverage by Sp in retirement #1	Categ
2	S2HERTS1	S2HERTS1:W2 Sp coverage by Sp in retirement #1	Categ
3	S3HERTS1	S3HERTS1:W3 Sp coverage by Sp in retirement #1	Categ
4	S4HERTS1	S4HERTS1:W4 Sp coverage by Sp in retirement #1	Categ
5	S5HERTS1	S5HERTS1:W5 Sp coverage by Sp in retirement #1	Categ
6	S6HERTS1	S6HERTS1:W6 Sp coverage by Sp in retirement #1	Categ
7	S7HERTS1	S7HERTS1:W7 Sp coverage by Sp in retirement #1	Categ
8	S8HERTS1	S8HERTS1:W8 Sp coverage by Sp in retirement #1	Categ
9	S9HERTS1	S9HERTS1:W9 Sp coverage by Sp in retirement #1	Categ
10	S10HERTS1	S10HERTS1:W10 Sp coverage by Sp in retirement #1	Categ
11	S11HERTS1	S11HERTS1:W11 Sp coverage by Sp in retirement #1	Categ
12	S12HERTS1	S12HERTS1:W12 Sp coverage by Sp in retirement #1	Categ
1	R1HERTS2	R1HERTS2:W1 Sp coverage by R in retirement #2	Categ
2	R2HERTS2	R2HERTS2:W2 Sp coverage by R in retirement #2	Categ
6	R6HERTS2	R6HERTS2:W6 Sp coverage by R in retirement #2	Categ
7	R7HERTS2	R7HERTS2:W7 Sp coverage by R in retirement #2	Categ
8	R8HERTS2	R8HERTS2:W8 Sp coverage by R in retirement #2	Categ
9	R9HERTS2	R9HERTS2:W9 Sp coverage by R in retirement #2	Categ
10	R10HERTS2	R10HERTS2:W10 Sp coverage by R in retirement #2	Categ
11	R11HERTS2	R11HERTS2:W11 Sp coverage by R in retirement #2	Categ
12	R12HERTS2	R12HERTS2:W12 Sp coverage by R in retirement #2	Categ
1	S1HERTS2	S1HERTS2:W1 Sp coverage by Sp in retirement #2	Categ
2	S2HERTS2	S2HERTS2:W2 Sp coverage by Sp in retirement #2	Categ
3	S3HERTS2	S3HERTS2:W3 Sp coverage by Sp in retirement #2	Categ
6	S6HERTS2	S6HERTS2:W6 Sp coverage by Sp in retirement #2	Categ
7	S7HERTS2	S7HERTS2:W7 Sp coverage by Sp in retirement #2	Categ
8	S8HERTS2	S8HERTS2:W8 Sp coverage by Sp in retirement #2	Categ
9	S9HERTS2	S9HERTS2:W9 Sp coverage by Sp in retirement #2	Categ
10	S10HERTS2	S10HERTS2:W10 Sp coverage by Sp in retirement #2	Categ
11	S11HERTS2	S11HERTS2:W11 Sp coverage by Sp in retirement #2	Categ
12	S12HERTS2	S12HERTS2:W12 Sp coverage by Sp in retirement #2	Categ
6	R6HERTS3	R6HERTS3:W6 Sp coverage by R in retirement #3	Categ
7	R7HERTS3	R7HERTS3:W7 Sp coverage by R in retirement #3	Categ
8	R8HERTS3	R8HERTS3:W8 Sp coverage by R in retirement #3	Categ
9	R9HERTS3	R9HERTS3:W9 Sp coverage by R in retirement #3	Categ
10	R10HERTS3	R10HERTS3:W10 Sp coverage by R in retirement #3	Categ
11	R11HERTS3	R11HERTS3:W11 Sp coverage by R in retirement #3	Categ
12	R12HERTS3	R12HERTS3:W12 Sp coverage by R in retirement #3	Categ
6	S6HERTS3	S6HERTS3:W6 Sp coverage by Sp in retirement #3	Categ
7	S7HERTS3	S7HERTS3:W7 Sp coverage by Sp in retirement #3	Categ
8	S8HERTS3	S8HERTS3:W8 Sp coverage by Sp in retirement #3	Categ
9	S9HERTS3	S9HERTS3:W9 Sp coverage by Sp in retirement #3	Categ
10	S10HERTS3	S10HERTS3:W10 Sp coverage by Sp in retirement #3	Categ
11	S11HERTS3	S11HERTS3:W11 Sp coverage by Sp in retirement #3	Categ
12	S12HERTS3	S12HERTS3:W12 Sp coverage by Sp in retirement #3	Categ
1	R1HERET	R1HERET:W1 R covered in retirement /summary	Categ
2	R2HERET	R2HERET:W2 R covered in retirement /summary	Categ
3	R3HERET	R3HERET:W3 R covered in retirement /summary	Categ
4	R4HERET	R4HERET:W4 R covered in retirement /summary	Categ
5	R5HERET	R5HERET:W5 R covered in retirement /summary	Categ
6	R6HERET	R6HERET:W6 R covered in retirement /summary	Categ
7	R7HERET	R7HERET:W7 R covered in retirement /summary	Categ
8	R8HERET	R8HERET:W8 R covered in retirement /summary	Categ
9	R9HERET	R9HERET:W9 R covered in retirement /summary	Categ
10	R10HERET	R10HERET:W10 R covered in retirement /summary	Categ
11	R11HERET	R11HERET:W11 R covered in retirement /summary	Categ
12	R12HERET	R12HERET:W12 R covered in retirement /summary	Categ
1	S1HERET	S1HERET:W1 S covered in retirement /summary	Categ
2	S2HERET	S2HERET:W2 S covered in retirement /summary	Categ
3	S3HERET	S3HERET:W3 S covered in retirement /summary	Categ

4	S4HERET	S4HERET:W4	S covered in retirement /summary	Categ
5	S5HERET	S5HERET:W5	S covered in retirement /summary	Categ
6	S6HERET	S6HERET:W6	S covered in retirement /summary	Categ
7	S7HERET	S7HERET:W7	S covered in retirement /summary	Categ
8	S8HERET	S8HERET:W8	S covered in retirement /summary	Categ
9	S9HERET	S9HERET:W9	S covered in retirement /summary	Categ
10	S10HERET	S10HERET:W10	S covered in retirement /summary	Categ
11	S11HERET	S11HERET:W11	S covered in retirement /summary	Categ
12	S12HERET	S12HERET:W12	S covered in retirement /summary	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HERTR1	6812	3.34	1.48	0.0	4.0
R2HERTR1	6193	3.36	1.47	0.0	4.0
R3HERTR1	3646	1.28	0.96	0.0	2.0
R4HERTR1	4224	1.26	0.97	0.0	2.0
R5HERTR1	3737	1.37	1.27	0.0	3.0
R6HERTR1	3001	1.43	1.27	0.0	3.0
R7HERTR1	3701	1.23	1.25	0.0	3.0
R8HERTR1	2855	1.29	1.26	0.0	3.0
R9HERTR1	2360	1.22	1.24	0.0	3.0
R10HERTR1	4037	0.96	1.19	0.0	3.0
R11HERTR1	3520	0.93	1.19	0.0	3.0
R12HERTR1	2920	1.03	1.24	0.0	3.0
S1HERTR1	3061	3.55	1.26	0.0	4.0
S2HERTR1	4816	3.50	1.32	0.0	4.0
S5HERTR1	1039	2.03	1.12	0.0	3.0
S6HERTR1	2079	1.23	1.33	0.0	3.0
S7HERTR1	2462	0.98	1.27	0.0	3.0
S8HERTR1	241	1.39	1.29	0.0	3.0
S9HERTR1	197	1.47	1.29	0.0	3.0
S10HERTR1	247	1.22	1.26	0.0	3.0
S11HERTR1	237	1.22	1.23	0.0	3.0
S12HERTR1	605	1.59	1.28	0.0	3.0
R1HERTR2	549	3.49	1.34	0.0	4.0
R2HERTR2	68	3.00	1.74	0.0	4.0
R3HERTR2	196	1.15	0.99	0.0	2.0
R6HERTR2	137	1.39	1.20	0.0	3.0
R7HERTR2	201	1.29	1.24	0.0	3.0
R8HERTR2	142	1.10	1.19	0.0	3.0
R9HERTR2	106	1.11	1.24	0.0	3.0
R10HERTR2	202	1.02	1.18	0.0	3.0
R11HERTR2	140	1.17	1.27	0.0	3.0
R12HERTR2	155	1.19	1.28	0.0	3.0
S1HERTR2	283	3.46	1.37	0.0	4.0
S2HERTR2	56	3.07	1.70	0.0	4.0
S6HERTR2	99	1.08	1.24	0.0	3.0
S7HERTR2	145	0.80	1.18	0.0	3.0
S8HERTR2	9	1.44	1.13	0.0	3.0
S9HERTR2	9	1.22	1.30	0.0	3.0
S10HERTR2	19	0.89	1.24	0.0	3.0
S11HERTR2	14	1.21	1.31	0.0	3.0
S12HERTR2	28	1.46	1.40	0.0	3.0

R6HERTR3	19	0.95	1.18	0.0	3.0
R7HERTR3	34	0.76	0.99	0.0	3.0
R8HERTR3	26	0.62	1.02	0.0	3.0
R9HERTR3	22	0.68	0.95	0.0	3.0
R10HERTR3	55	1.16	1.27	0.0	3.0
R11HERTR3	32	0.97	1.28	0.0	3.0
R12HERTR3	58	1.12	1.27	0.0	3.0
S6HERTR3	12	0.83	1.34	0.0	3.0
S7HERTR3	23	0.52	1.04	0.0	3.0
S8HERTR3	1	0.00	.	0.0	0.0
S10HERTR3	3	1.33	1.53	0.0	3.0
S11HERTR3	1	0.00	.	0.0	0.0
S12HERTR3	10	1.50	1.35	0.0	3.0
R1HERTS1	5447	3.52	1.30	0.0	4.0
R2HERTS1	4996	3.50	1.33	0.0	4.0
R5HERTS1	1066	2.03	1.12	0.0	3.0
R6HERTS1	2111	1.23	1.33	0.0	3.0
R7HERTS1	2529	0.98	1.27	0.0	3.0
R8HERTS1	245	1.39	1.30	0.0	3.0
R9HERTS1	206	1.47	1.29	0.0	3.0
R10HERTS1	265	1.19	1.25	0.0	3.0
R11HERTS1	248	1.23	1.23	0.0	3.0
R12HERTS1	654	1.59	1.28	0.0	3.0
S1HERTS1	3634	3.28	1.54	0.0	4.0
S2HERTS1	5073	3.43	1.40	0.0	4.0
S3HERTS1	2710	1.29	0.96	0.0	2.0
S4HERTS1	3135	1.26	0.96	0.0	2.0
S5HERTS1	2812	1.40	1.28	0.0	3.0
S6HERTS1	2237	1.45	1.28	0.0	3.0
S7HERTS1	2704	1.22	1.25	0.0	3.0
S8HERTS1	2085	1.29	1.26	0.0	3.0
S9HERTS1	1720	1.21	1.23	0.0	3.0
S10HERTS1	2696	0.96	1.20	0.0	3.0
S11HERTS1	2363	0.91	1.18	0.0	3.0
S12HERTS1	1934	0.99	1.23	0.0	3.0
R1HERTS2	493	3.59	1.22	0.0	4.0
R2HERTS2	66	3.09	1.69	0.0	4.0
R6HERTS2	99	1.08	1.24	0.0	3.0
R7HERTS2	147	0.79	1.17	0.0	3.0
R8HERTS2	9	1.44	1.13	0.0	3.0
R9HERTS2	9	1.22	1.30	0.0	3.0
R10HERTS2	19	0.89	1.24	0.0	3.0
R11HERTS2	14	1.21	1.31	0.0	3.0
R12HERTS2	31	1.52	1.36	0.0	3.0
S1HERTS2	262	3.65	1.13	0.0	4.0
S2HERTS2	54	3.11	1.68	0.0	4.0
S3HERTS2	150	1.13	0.99	0.0	2.0
S6HERTS2	104	1.48	1.21	0.0	3.0
S7HERTS2	154	1.19	1.22	0.0	3.0
S8HERTS2	113	1.00	1.16	0.0	3.0
S9HERTS2	86	1.12	1.24	0.0	3.0
S10HERTS2	137	0.96	1.17	0.0	3.0
S11HERTS2	93	1.12	1.28	0.0	3.0

S12HERTS2	98	1.09	1.29	0.0	3.0
R6HERTS3	12	0.83	1.34	0.0	3.0
R7HERTS3	23	0.52	1.04	0.0	3.0
R8HERTS3	1	0.00	.	0.0	0.0
R10HERTS3	3	1.33	1.53	0.0	3.0
R11HERTS3	1	0.00	.	0.0	0.0
R12HERTS3	10	1.50	1.35	0.0	3.0
S6HERTS3	14	0.86	1.29	0.0	3.0
S7HERTS3	24	0.79	1.02	0.0	3.0
S8HERTS3	23	0.70	1.06	0.0	3.0
S9HERTS3	17	0.71	1.05	0.0	3.0
S10HERTS3	37	1.03	1.17	0.0	3.0
S11HERTS3	21	0.95	1.36	0.0	3.0
S12HERTS3	35	1.00	1.33	0.0	3.0
R1HERET	6996	3.51	1.32	0.0	4.0
R2HERET	6362	3.54	1.27	0.0	4.0
R3HERET	3681	1.29	0.96	0.0	2.0
R4HERET	4224	1.26	0.97	0.0	2.0
R5HERET	3626	1.91	1.14	0.0	3.0
R6HERET	3505	1.85	1.18	0.0	3.0
R7HERET	3974	1.69	1.20	0.0	3.0
R8HERET	2252	1.73	1.17	0.0	3.0
R9HERET	1860	1.66	1.18	0.0	3.0
R10HERET	2963	1.41	1.21	0.0	3.0
R11HERET	2581	1.38	1.22	0.0	3.0
R12HERET	2466	1.57	1.24	0.0	3.0
S1HERET	6043	3.58	1.22	0.0	4.0
S2HERET	5446	3.62	1.17	0.0	4.0
S3HERET	2744	1.30	0.95	0.0	2.0
S4HERET	3135	1.26	0.96	0.0	2.0
S5HERET	2747	2.11	1.02	0.0	3.0
S6HERET	2769	1.97	1.14	0.0	3.0
S7HERET	3048	1.82	1.17	0.0	3.0
S8HERET	1518	1.91	1.08	0.0	3.0
S9HERET	1254	1.82	1.10	0.0	3.0
S10HERET	1724	1.66	1.15	0.0	3.0
S11HERET	1489	1.62	1.16	0.0	3.0
S12HERET	1581	1.80	1.17	0.0	3.0

Categorical Variable Codes

Value	R1HERTR1	R2HERTR1	R3HERTR1	R4HERTR1	R5HERTR1	R6HERTR1	R7HERTR1
.A=Age is 65 or older			426	2245	2321	2583	2498
.D=DK	917	741	212	282	317	255	284
.H=Source missing,question	96	93	475	697	110	197	188
.M=Oth missing	841	938	472	130	13	214	268
.N=No respondent employer-p	3952	3429	5731	13378	9593	9041	10003
.Q=Not asked this wv		8222	7027				
.R=RF	34	26	2	1		2	1
.S=Skip,question not asked				427	3488	2872	3186
0.Not covrd in ret	1120	993	1306	1572	1352	1003	1501
1.Covrd just to age 65					879	748	909
2.Covrd to age 65, DK over			2340	2652	272	204	232
3.Covrd to and over age 65					1234	1046	1059
4.Covers retirees (W1&2)	5692	5200					

Value	R8HERTR1	R9HERTR1	R10HERTR1	R11HERTR1	R12HERTR1
.A=Age is 65 or older	2394	2208	2022	1823	1664
.D=DK	277	174	287	162	132
.H=Source missing,question	149	160	534	292	334
.M=Oth missing	196	135	228	204	137
.N=No respondent employer-p	9740	9765	12067	12036	11306
.R=RF			1	1	
.S=Skip,question not asked	2858	2415	2858	2516	2255
0.Not covrd in ret	1119	953	2089	1871	1484
1.Covrd just to age 65	660	589	879	761	579
2.Covrd to age 65, DK over	207	157	202	139	151
3.Covrd to and over age 65	869	661	867	749	706

Value	S1HERTR1	S2HERTR1	S5HERTR1	S6HERTR1	S7HERTR1
.A=Age is 65 or older			1572	1340	1311
.D=DK	360	467	66	214	234
.H=Source missing,question	18	20	45	88	65
.M=Oth missing	1102	1124	1893	639	711
.N=No respondent employer-p	5713	2252	5196	4813	5461
.Q=Not asked this wv		4549			
.R=RF	25	27		2	4
.S=Skip,question not asked			2919	2457	2720
.U=Unmarried	2373	6003	6538	6313	6781
.V=Spouse NR		384	311	220	380
0.Not covrd in ret	342	602	112	984	1390
1.Covrd just to age 65			298	320	361
2.Covrd to age 65, DK over			77	94	87
3.Covrd to and over age 65			552	681	624
4.Covers retirees (W1&2)	2719	4214			

Value	S8HERTR1	S9HERTR1	S10HERTR1	S11HERTR1	S12HERTR1
.A=Age is 65 or older	1628	1472	1358	1213	1055
.D=DK	55	40	38	29	49
.H=Source missing,question	56	69	248	122	151
.M=Oth missing	2045	1601	2674	2280	1391
.N=No respondent employer-p	5374	5306	6569	6527	5981
.R=RF				1	1
.S=Skip,question not asked	2333	1955	2374	2067	1779
.U=Unmarried	6420	6212	7804	7486	7142
.V=Spouse NR	317	365	722	592	594
0.Not covrd in ret	89	66	102	92	175
1.Covrd just to age 65	53	46	60	66	142
2.Covrd to age 65, DK over	16	12	14	13	42
3.Covrd to and over age 65	83	73	71	66	246

Value	R1HERTR2	R2HERTR2	R3HERTR2	R6HERTR2	R7HERTR2
.A=Age is 65 or older			21	124	136
.D=DK	91	9	15	14	22
.H=Source missing,question	9	14	110	132	126
.M=Oth missing	189	54	34	8	16
.N=No respondent employer-p	6440	3381	4170	5845	6868
.P=Only one plan carried fr		6615			
.Q=Not asked this wv		8222	7027		
.R=RF	3	1	2		
.S=Skip,question not asked				231	295
.X=No more plans	5371	1278	6416	11674	12465
0.Not covrd in ret	70	17	83	41	74
1.Covrd just to age 65				42	54
2.Covrd to age 65, DK over			113	13	14
3.Covrd to and over age 65				41	59
4.Covers retirees (W1&2)	479	51			

Value	R8HERTR2	R9HERTR2	R10HERTR2	R11HERTR2	R12HERTR2
.A=Age is 65 or older	118	109	108	107	111
.D=DK	19	16	13	11	12
.H=Source missing,question	107	122	448	226	249
.M=Oth missing	9	10	18	13	9
.N=No respondent employer-p	7029	7300	9610	9695	8983
.S=Skip,question not asked	195	136	200	148	154
.X=No more plans	10850	9418	11435	10214	9075
0.Not covrd in ret	61	48	92	62	69
1.Covrd just to age 65	38	25	59	32	32
2.Covrd to age 65, DK over	11	6	5	6	9
3.Covrd to and over age 65	32	27	46	40	45

Value	S1HERTR2	S2HERTR2	S6HERTR2	S7HERTR2
.A=Age is 65 or older			64	76
.D=DK	39	15	10	20
.H=Source missing,question	1	8	60	52
.M=Oth missing	138	21	34	39
.N=No respondent employer-p	5713	2215	3037	3625
.P=Only one plan carried fr		5393		
.Q=Not asked this wv		4549		
.R=RF	3			
.S=Skip,question not asked			217	271
.U=Unmarried	2373	5971	6313	6781
.V=Spouse NR		384	220	380
.X=No more plans	4102	1030	8111	8740
0.Not covrd in ret	38	13	48	89
1.Covrd just to age 65			19	24
2.Covrd to age 65, DK over			8	4
3.Covrd to and over age 65			24	28
4.Covers retirees (W1&2)	245	43		

Value	S8HERTR2	S9HERTR2	S10HERTR2	S11HERTR2	S12HERTR2
.A=Age is 65 or older	80	77	80	70	76
.D=DK	7	4	1	2	5
.H=Source missing,question	50	54	218	93	113
.M=Oth missing	120	99	136	98	81
.N=No respondent employer-p	3756	3827	5110	5149	4661
.S=Skip,question not asked	177	116	162	128	123
.U=Unmarried	6420	6212	7804	7486	7142
.V=Spouse NR	317	365	722	592	594
.X=No more plans	7533	6454	7782	6922	5925
0.Not covrd in ret	2	4	11	6	11
1.Covrd just to age 65	3	1	3	3	5
2.Covrd to age 65, DK over	2	2	1	1	
3.Covrd to and over age 65	2	2	4	4	12

Value	R6HERTR3	R7HERTR3
.A=Age is 65 or older	10	13
.D=DK		3
.H=Source missing,question	129	123
.M=Oth missing		4
.N=No respondent employer-p	5644	6631
.S=Skip,question not asked	12	14
.X=No more plans	12351	13307
0.Not covrd in ret	10	17
1.Covrd just to age 65	3	12
2.Covrd to age 65, DK over	3	1
3.Covrd to and over age 65	3	4

Value	R8HERTR3	R9HERTR3	R10HERTR3	R11HERTR3	R12HERTR3
.A=Age is 65 or older	8	12	9	15	20
.D=DK	5	4	8	2	4
.H=Source missing,question	98	123	446	223	244
.M=Oth missing	1	1	7	5	1
.N=No respondent employer-p	6873	7139	9449	9544	8816
.S=Skip,question not asked	10	4	19	17	19
.X=No more plans	11448	9912	12041	10716	9586
0.Not covrd in ret	17	12	24	18	27
1.Covrd just to age 65	5	7	14	5	13
2.Covrd to age 65, DK over	1	1	1	1	2
3.Covrd to and over age 65	3	2	16	8	16

Value	S6HERTR3	S7HERTR3
.A=Age is 65 or older	5	4
.D=DK	1	2
.H=Source missing,question	59	50
.M=Oth missing	3	9
.N=No respondent employer-p	2908	3486
.S=Skip,question not asked	11	14
.U=Unmarried	6313	6781
.V=Spouse NR	220	380
.X=No more plans	8633	9380
0.Not covrd in ret	8	17
1.Covrd just to age 65	1	3
3.Covrd to and over age 65	3	3

Value	S8HERTR3	S9HERTR3	S10HERTR3	S11HERTR3	S12HERTR3
.A=Age is 65 or older	6	10	11	9	17
.D=DK	1				2
.H=Source missing,question	43	54	218	91	110
.M=Oth missing	25	20	39	23	23
.N=No respondent employer-p	3653	3724	5017	5077	4561
.S=Skip,question not asked	10	2	17	13	17
.U=Unmarried	6420	6212	7804	7486	7142
.V=Spouse NR	317	365	722	592	594
.X=No more plans	7993	6830	8203	7262	6272
0.Not covrd in ret	1		1	1	3
1.Covrd just to age 65			1		3
3.Covrd to and over age 65			1		4

Value	R1HERTS1	R2HERTS1	R5HERTS1	R6HERTS1	R7HERTS1
.A=Age is 65 or older			1606	1367	1355
.D=DK	554	489	68	220	244
.H=Source missing,question	17	23	53	93	74
.M=Oth missing	1402	1194	1953	666	752
.N=No respondent employer-p	2822	2358	5314	4906	5605
.Q=Not asked this wv		8222			
.R=RF	37	28		2	4
.S=Skip,question not asked			2981	2494	2789
.U=Unmarried	2373	2332	6538	6306	6777
0.Not covrd in ret	658	629	115	996	1420
1.Covrd just to age 65			305	328	374
2.Covrd to age 65, DK over			80	99	94
3.Covrd to and over age 65			566	688	641
4.Covers retirees (W1&2)	4789	4367			

Value	R8HERTS1	R9HERTS1	R10HERTS1	R11HERTS1	R12HERTS1
.A=Age is 65 or older	1674	1512	1410	1266	1097
.D=DK	55	42	38	29	51
.H=Source missing,question	62	71	297	141	166
.M=Oth missing	2109	1668	2869	2407	1496
.N=No respondent employer-p	5534	5507	6872	6826	6284
.R=RF				1	2
.S=Skip,question not asked	2373	2006	2485	2162	1875
.U=Unmarried	6417	6205	7798	7474	7123
0.Not covrd in ret	91	68	112	96	189
1.Covrd just to age 65	53	49	64	69	156
2.Covrd to age 65, DK over	16	13	16	13	45
3.Covrd to and over age 65	85	76	73	70	264

Value	S1HERTS1	S2HERTS1	S3HERTS1	S4HERTS1	S5HERTS1	S6HERTS1	S7HERTS1
.A=Age is 65 or older			375	1503	1528	1675	1607
.D=DK	474	555	149	208	232	193	201
.H=Source missing,question	18	21	376	530	45	88	65
.M=Oth missing	420	817	362	98	9	173	213
.N=No respondent employer-p	5713	2252	4332	8174	5196	4819	5465
.Q=Not asked this wv		4549	3704				
.R=RF	20	21	2	1		2	
.S=Skip,question not asked				329	2908	2452	2717
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		384	323	537	311	220	380
0.Not covrd in ret	654	729	959	1153	994	746	1108
1.Covrd just to age 65					661	547	670
2.Covrd to age 65, DK over			1751	1982	195	139	145
3.Covrd to and over age 65					962	805	781
4.Covers retirees (W1&2)	2980	4344					

Value	S8HERTS1	S9HERTS1	S10HERTS1	S11HERTS1	S12HERTS1
.A=Age is 65 or older	1502	1365	1264	1137	980
.D=DK	221	123	189	114	83
.H=Source missing,question	56	69	248	122	151
.M=Oth missing	161	105	172	153	109
.N=No respondent employer-p	5376	5309	6573	6534	5993
.S=Skip,question not asked	2334	1955	2371	2065	1781
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Not covrd in ret	811	692	1402	1267	1012
1.Covrd just to age 65	497	443	579	522	380
2.Covrd to age 65, DK over	145	121	128	84	92
3.Covrd to and over age 65	632	464	587	490	450

Value	R1HERTS2	R2HERTS2	R6HERTS2	R7HERTS2
.A=Age is 65 or older			64	77
.D=DK	65	17	10	22
.H=Source missing,question	1	10	65	60
.M=Oth missing	201	44	35	40
.N=No respondent employer-p	5310	2315	3108	3732
.P=Only one plan carried fr		5576		
.Q=Not asked this wv		8222		
.R=RF	4			
.S=Skip,question not asked			220	277
.U=Unmarried	2373	2285	6306	6777
.X=No more plans	4205	1107	8258	8997
0.Not covrd in ret	51	15	48	91
1.Covrd just to age 65			19	24
2.Covrd to age 65, DK over			8	4
3.Covrd to and over age 65			24	28
4.Covers retirees (W1&2)	442	51		

Value	R8HERTS2	R9HERTS2	R10HERTS2	R11HERTS2	R12HERTS2
.A=Age is 65 or older	83	78	83	72	82
.D=DK	7	4	1	2	5
.H=Source missing,question	54	56	264	111	126
.M=Oth missing	121	101	141	106	84
.N=No respondent employer-p	3871	3979	5344	5392	4897
.S=Skip,question not asked	178	121	175	134	131
.U=Unmarried	6417	6205	7799	7474	7123
.X=No more plans	7729	6664	8208	7249	6269
0.Not covrd in ret	2	4	11	6	11
1.Covrd just to age 65	3	1	3	3	6
2.Covrd to age 65, DK over	2	2	1	1	1
3.Covrd to and over age 65	2	2	4	4	13

Value	S1HERTS2	S2HERTS2	S3HERTS2	S6HERTS2	S7HERTS2
.A=Age is 65 or older			19	86	95
.D=DK	35	7	10	11	18
.H=Source missing,question	1	8	58	60	52
.M=Oth missing	164	30	25	6	13
.N=No respondent employer-p	5713	2215	2887	3043	3629
.P=Only one plan carried fr		5394			
.Q=Not asked this wv		4549	3704		
.R=RF	2	1	1		
.S=Skip,question not asked				217	271
.U=Unmarried	2373	5970	5658	6306	6777
.V=Spouse NR		384	323	220	380
.X=No more plans	4102	1030	5156	8112	8740
0.Not covrd in ret	23	12	65	28	61
1.Covrd just to age 65				32	44
2.Covrd to age 65, DK over			85	10	8
3.Covrd to and over age 65				34	41
4.Covers retirees (W1&2)	239	42			

Value	S8HERTS2	S9HERTS2	S10HERTS2	S11HERTS2	S12HERTS2
.A=Age is 65 or older	79	80	72	73	74
.D=DK	18	16	10	8	11
.H=Source missing,question	50	54	218	93	113
.M=Oth missing	7	8	17	11	7
.N=No respondent employer-p	3758	3830	5113	5157	4672
.S=Skip,question not asked	176	115	162	127	123
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=No more plans	7534	6457	7784	6926	5933
0.Not covrd in ret	53	39	66	44	50
1.Covrd just to age 65	29	20	39	20	16
2.Covrd to age 65, DK over	9	5	3	3	5
3.Covrd to and over age 65	22	22	29	26	27

Value	R6HERTS3	R7HERTS3
.A=Age is 65 or older	5	4
.D=DK	1	2
.H=Source missing,question	64	58
.M=Oth missing	3	9
.N=No respondent employer-p	2977	3586
.S=Skip,question not asked	11	14
.U=Unmarried	6306	6777
.X=No more plans	8786	9656
0.Not covrd in ret	8	17
1.Covrd just to age 65	1	3
3.Covrd to and over age 65	3	3

Value	R8HERTS3	R9HERTS3	R10HERTS3	R11HERTS3	R12HERTS3
.A=Age is 65 or older	6	11	11	10	17
.D=DK	1				2
.H=Source missing,question	47	56	264	109	123
.M=Oth missing	25	20	40	25	23
.N=No respondent employer-p	3765	3873	5247	5315	4791
.S=Skip,question not asked	10	2	19	15	18
.U=Unmarried	6417	6205	7799	7474	7123
.X=No more plans	8197	7050	8651	7605	6641
0.Not covrd in ret	1		1	1	3
1.Covrd just to age 65			1		3
3.Covrd to and over age 65			1		4

Value	S6HERTS3	S7HERTS3
.A=Age is 65 or older	7	9
.D=DK		2
.H=Source missing,question	59	50
.M=Oth missing		3
.N=No respondent employer-p	2914	3490
.S=Skip,question not asked	11	14
.U=Unmarried	6306	6777
.V=Spouse NR	220	380
.X=No more plans	8634	9380
0.Not covrd in ret	9	12
1.Covrd just to age 65	1	8
2.Covrd to age 65, DK over	1	1
3.Covrd to and over age 65	3	3

Value	S8HERTS3	S9HERTS3	S10HERTS3	S11HERTS3	S12HERTS3
.A=Age is 65 or older	4	8	4	7	13
.D=DK	5	4	7	1	4
.H=Source missing,question	43	54	218	91	110
.M=Oth missing	1	1	5	4	
.N=No respondent employer-p	3655	3727	5020	5084	4572
.S=Skip,question not asked	10	2	17	13	17
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=No more plans	7994	6833	8205	7267	6280
0.Not covrd in ret	14	10	16	13	20
1.Covrd just to age 65	5	4	12	2	5
2.Covrd to age 65, DK over	1	1	1		
3.Covrd to and over age 65	3	2	8	6	10

Value	R1HERET	R2HERET	R3HERET	R4HERET	R5HERET	R6HERET	R7HERET
.A=Age is 65 or older			436	2245	1783	1781	1706
.D=DK	782	584	215	282	115	152	163
.H=Source missing,question	93	78	483	697	93	223	212
.M=Oth missing	1246	1228	476	130	3241	2710	2891
.N=No respondent employer-p	3504	2916	5671	13378	8709	8079	8887
.P=Only one plan carried fr		87					
.Q=Not asked this wv		8222	7027				
.R=RF	31	24	2	1			2
.S=Skip,question not asked				427	1872	1616	2119
.V=Spouse NR		141			140	99	175
0.Not covrd in ret	865	730	1299	1572	473	590	826
1.Covrd just to age 65					1103	1001	1201
2.Covrd to age 65, DK over			2382	2652	335	273	313
3.Covrd to and over age 65					1715	1641	1634
4.Covers retirees (W1&2)	6131	5632					

Value	R8HERET	R9HERET	R10HERET	R11HERET	R12HERET
.A=Age is 65 or older	1927	1815	1733	1572	1506
.D=DK	119	94	134	86	92
.H=Source missing,question	161	177	529	340	381
.M=Oth missing	3819	3191	4226	3526	2564
.N=No respondent employer-p	8647	8690	10587	10620	9958
.R=RF			1	2	
.S=Skip,question not asked	1354	1167	1474	1472	1432
.V=Spouse NR	190	223	387	355	349
0.Not covrd in ret	409	369	879	801	653
1.Covrd just to age 65	706	613	932	815	683
2.Covrd to age 65, DK over	214	161	219	154	195
3.Covrd to and over age 65	923	717	933	811	935

Value	S1HERET	S2HERET	S3HERET	S4HERET	S5HERET	S6HERET	S7HERET
.A=Age is 65 or older			385	1503	1034	900	861
.D=DK	581	427	151	208	40	97	91
.H=Source missing,question	14	17	383	530	36	117	94
.M=Oth missing	1239	1175	366	98	3281	2682	2859
.N=No respondent employer-p	2374	1846	4275	8174	4430	3964	4509
.P=Only one plan carried fr		75					
.Q=Not asked this wv		4549	3704				
.R=RF	28	21	2	1			1
.S=Skip,question not asked				329	1352	1231	1721
.U=Unmarried	2373	5958	5658	6869	6538	6306	6777
.V=Spouse NR		128	323	537	121	99	168
0.Not covrd in ret	632	518	957	1153	137	346	476
1.Covrd just to age 65					892	805	975
2.Covrd to age 65, DK over			1787	1982	261	213	229
3.Covrd to and over age 65					1457	1405	1368
4.Covers retirees (W1&2)	5411	4928					

Value	S8HERET	S9HERET	S10HERET	S11HERET	S12HERET
.A=Age is 65 or older	1075	1012	1025	931	865
.D=DK	66	47	53	48	48
.H=Source missing,question	72	87	289	188	210
.M=Oth missing	3841	3221	4335	3595	2623
.N=No respondent employer-p	4450	4440	5407	5416	4946
.R=RF				1	
.S=Skip,question not asked	872	755	1096	1117	1053
.U=Unmarried	6417	6205	7798	7474	7123
.V=Spouse NR	158	196	307	295	299
0.Not covrd in ret	141	140	299	272	257
1.Covrd just to age 65	540	468	631	573	497
2.Covrd to age 65, DK over	154	125	146	95	135
3.Covrd to and over age 65	683	521	648	549	692

How Constructed

RwHERTRx indicates whether the Respondent's employer-provided health insurance covers the Respondent in retirement. RwHERTSx indicates whether the Respondent's employer-provided health insurance covers the spouse in retirement. The questions about coverage in retirement are only asked if the Respondent is covered by the Respondent's current or previous employer.

In Waves 1 and 2H, this is taken from the question that asks whether the plan covers retirees. In Wave 3H and from Wave 4 forward, it is taken from a question that asks about coverage up to age 65. And from Wave 5 forward, an additional question asking about coverage after 65 is used.

SwHERTRx and SwHERTSx indicate whether health insurance from the employer of the Respondent's spouse or partner covers the Respondent or spouse in retirement, respectively.

RwHERET summarizes whether the Respondent is covered in retirement under any plan, either their own or the spouse's. SwHERET summarizes whether the spouse is covered in retirement under any plan.

The number of insurance plans about which information is gathered varies across waves. In Wave 1, a question asks if the plan covers retirees, for each plan.

In Wave 2H, if the Respondent indicates that he/she is still covered by his/her own employer-provided health plan reported in Wave 1, the Wave 1 information is assumed to be correct for Wave 2H as well, i.e., R2HERTR1 is set to R1HERTRx, where 'x' is the first plan that agrees with the source of coverage presented in Wave 2H. If Wave 2H employer-provided health insurance is not a continuation of the preloaded Wave 1 coverage, the Wave 2H question about whether the plan covers retirees is used to set R2HERTRx. We cannot tell from these questions if the Respondent is covered up to 65 or after 65 so we created a separate category for Wave 1 and 2, "Covers Retirees."

In Wave 3H and from Wave 4 forward, this question is no longer asked. In Wave 3H and from Wave 4 forward, another question asks if the plan would cover the Respondent up to age 65. If coverage can continue to age 65 in Waves 3H or 4, then RwHERTRx is set to "Covered now and to age 65, DK over age 65."

From Wave 5 forward, an additional question asks if the plan would cover the Respondent after age 65, allowing for additional categories for RwHERTRx: "Only covered to age 65," "Covered up to and after age 65," or "Covered up to age 65, dk after 65." It is not possible for the Respondent to report being covered after 65 if he is not covered up to 65.

If the Respondent is already 65 then RwHERTRx is set to .A - already 65, and if the plan(s) are not from the Respondent's current or previous employer, RwHERTRx is set to .N - No employer-provided insurance. In Wave 5, if the Respondent is self-employed he is not asked any retirement questions and so they are set to .S - question not asked.

Similar questions ask if the spouse is covered in retirement by the Respondent's plan and RwHERTSx is assigned from these questions the same way as described above. The spouse question is in the Waves 3H and 4 questionnaire but no data are collected. In Waves 2A and 3A, retirement questions are not asked. Since no information is available in Waves 3 and 4, we do not include RwHERTSx variables in these waves. In Wave 2A, R2HERTSx is set to special missing values .Q - no information is available this wave.

SwHERTRx for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HERTRx is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HERTRx is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHERTRx and RwHERTSx variable, if

available, and assigned to SwHERTSx and SwHERTRx, respectively. If the Respondent is not married, SwHERTRx and SwHERTSx are set to .U=unmarried. If the Respondent's spouse did not respond then SwHERTRx and SwHERTSx are set to .V=Spouse is non-response.

RwHERET is the maximum retirement coverage reported for the Respondent, derived by examining all RwHERTRx and SwHERTRx variables. If any of these variables are missing values besides .N for no coverage, .X for no more plans, or .U for unmarried, then RwHERET is set to missing. If only one type of missing value is observed then that is the missing value assigned to RwHERET. If more than one type of missing value is observed, then RwHERET is set to .M.

SwHERET is the maximum retirement coverage reported for the spouse, derived by examining all RwHERTSx and SwHERTSx variables. SwHERET is set to missing values in the same way as RwHERET is. Note that in Waves 3 and 4, SwHERET is based only on the spouse's responses with regard to the insurance coverage he/she provides, because there are not RwHERTSx variables.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only. Please see the description of cross-wave differences for "Source of insurance and who is covered" for details on how those questions varied over time.

In Wave 1, for each plan, a question asks: "Is this health plan available to people who retire?" and "Can the spouses of retired employees be covered under this plan?"

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the Respondent is asked if this coverage continues. If so, then no question about whether the plan covers retirees is asked. If not, or if not covered in Wave 1, current employer-provided health insurance plans are asked about (up to two). For each plan, the questions about retiree coverage are asked with the same wording as in Wave 1.

In Wave 3H, and Wave 4 forward, the question about whether a plan covers retirees is no longer asked. Other questions ask if the plan would cover the Respondent up to age 65 if he/she left the job before age 65 (if from current employer), or if the plan could be continued to age 65 (if from previous employer). The question wording is: "[If you left your current employer now could you]/[Can you] continue this [health] insurance coverage for yourself up to the age of 65?"

This question is skipped if the Respondent is already 65, or if the employer-provided health plan is not from either the Respondent's current or previous employer (e.g., it is NOT asked if the plan source is a union, spouse's employer, or through the Respondent's self-employment). From Wave 6 forward this question is asked for up to three plans.

From Wave 5 forward, an additional question asks if the plan would cover the Respondent after age 65. It is only asked if the Respondent reported being covered up to age 65. The question wording is: "[If you left your current employer now,] Does your employer offer some type of health insurance coverage for you after the age of 65?"

Similar questions ask if the spouse is covered in retirement by the Respondent's plan: "[If you left your current employer now could you]/[Can you] continue your current health insurance coverage for your spouse until he/she is age 65?" The question is in the Waves 3H and 4 questionnaire, but no data was collected.

From Wave 5 forward, if the spouse can be covered up to age 65, another question asks: "[If you left your current employer now,] Does your employer offer some type of health insurance coverage for your spouse after the age of 65?"

In Waves 2A and 3A, no question about retiree coverage or coverage before age 65 is asked.

HRS Variables Used

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HRS 1992:
    V6614           R3:R1EMPLR HLTH INS PLAN
    V6615           R3A:R1EMP:#PLANS HAVE
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6618           R7:R1#1:AVAIL FOR RTIREE
    V6622           R11:R1#1:RET:CAN SP COV
    V6624           R4:R1EMP:#2:HOW OBTAINED
    V6626           R7:R1#2:AVAIL FOR RTIREE
    V6630           R11:R1#2:RET:CAN SP COV
    V6808           R22:R2COV BY R'S EMP INS
    V6809           R23:CKPT:ONLY 1 PLAN/OTH
    V6810           R24A:PLAN1 COV BOTH R SP
    V6811           R24B:PLAN2 COVERS BOTH
    V6813           R25:R2HAS OTHR EMP INS
    V6814           R26:R2EMPLR HLTH INS PLN
    V6815           R26A:R2EMP:#PLANS HAVE
    V6816           R27:R2EMP:#1:HOW OBTAIND
    V6818           R30:R2#1:AVAIL FR RTIREE
    V6822           R34:R2#1:RET:CAN SP COV
    V6824           R27:R2EMP:#2:HOW OBTAIND
    V6826           R30:R2#2:AVAIL FR RTIREE
    V6830           R34:R2#2:RET:CAN SP COV
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6734           P1. R8.AVAILABLE FOR RET
    W6740           P2. R5.HOW OBTAINED
    W6748           P2. R8.AVAILABLE FOR RET
HRS 1996:
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5191_1         R34.COVERAGE CONTINUE TO 65
    E5191_2         R34.COVERAGE CONTINUE TO 65
    E5194_1         R35.COVERAGE TO 65 IF LEFT NOW
    E5194_2         R35.COVERAGE TO 65 IF LEFT NOW
HRS 1998:
    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5896           R15.HOW OBTAIN INSURANCE
    F5924           R34.COVERAGE CONTINUE TO 65
    F5927           R35.COVERAGE TO 65 IF LEFT NOW
HRS 2000:
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6297           R34.COVERAGE CONTINUE TO 65
    G6302           R35.COVERAGE TO 65 IF LEFT NOW
HRS 2002:
    HN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    HN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    HN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    HN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
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    HN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    HN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    HN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    HN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    HN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
    HN060_1         EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
    HN060_2         EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
    HN060_3         EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
    HN062_1         EMP RETIREE HI COV FOR SP UP TO 65- 1
    HN062_2         EMP RETIREE HI COV FOR SP UP TO 65- 2
    HN062_3         EMP RETIREE HI COV FOR SP UP TO 65- 3
    HN063_1         EMP RETIREE HI COV FOR SP AFTER 65- 1
    HN063_2         EMP RETIREE HI COV FOR SP AFTER 65- 2
    HN063_3         EMP RETIREE HI COV FOR SP AFTER 65- 3
HRS 2004:
    JN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    JN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    JN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    JN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    JN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    JN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    JN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    JN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    JN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
    JN060_1         EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
    JN060_2         EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
    JN060_3         EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
    JN062_1         EMP RETIREE HI COV FOR SP UP TO 65- 1
    JN062_2         EMP RETIREE HI COV FOR SP UP TO 65- 2
    JN062_3         EMP RETIREE HI COV FOR SP UP TO 65- 3
    JN063_1         EMP RETIREE HI COV FOR SP AFTER 65- 1
    JN063_2         EMP RETIREE HI COV FOR SP AFTER 65- 2
    JN063_3         EMP RETIREE HI COV FOR SP AFTER 65- 3
HRS 2006:
    KN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    KN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    KN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    KN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    KN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    KN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    KN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    KN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    KN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
    KN060_1         EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
    KN060_2         EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
    KN060_3         EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
    KN062_1         EMP RETIREE HI COV FOR SP UP TO 65- 1
    KN062_2         EMP RETIREE HI COV FOR SP UP TO 65- 2
    KN062_3         EMP RETIREE HI COV FOR SP UP TO 65- 3
    KN063_1         EMP RETIREE HI COV FOR SP AFTER 65- 1
    KN063_2         EMP RETIREE HI COV FOR SP AFTER 65- 2
    KN063_3         EMP RETIREE HI COV FOR SP AFTER 65- 3
HRS 2008:
    LN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    LN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    LN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    LN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    LN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    LN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
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    LN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    LN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    LN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
    LN060_1         EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
    LN060_2         EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
    LN060_3         EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
    LN062_1         EMP RETIREE HI COV FOR SP UP TO 65- 1
    LN062_2         EMP RETIREE HI COV FOR SP UP TO 65- 2
    LN062_3         EMP RETIREE HI COV FOR SP UP TO 65- 3
    LN063_1         EMP RETIREE HI COV FOR SP AFTER 65- 1
    LN063_2         EMP RETIREE HI COV FOR SP AFTER 65- 2
    LN063_3         EMP RETIREE HI COV FOR SP AFTER 65- 3
HRS 2010:
    MN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    MN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    MN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    MN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    MN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    MN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    MN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    MN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    MN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
    MN060_1         EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
    MN060_2         EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
    MN060_3         EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
    MN062_1         EMP RETIREE HI COV FOR SP UP TO 65- 1
    MN062_2         EMP RETIREE HI COV FOR SP UP TO 65- 2
    MN062_3         EMP RETIREE HI COV FOR SP UP TO 65- 3
    MN063_1         EMP RETIREE HI COV FOR SP AFTER 65- 1
    MN063_2         EMP RETIREE HI COV FOR SP AFTER 65- 2
    MN063_3         EMP RETIREE HI COV FOR SP AFTER 65- 3
HRS 2012:
    NN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    NN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    NN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    NN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    NN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    NN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    NN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    NN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    NN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
    NN060_1         EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
    NN060_2         EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
    NN060_3         EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
    NN062_1         EMP RETIREE HI COV FOR SP UP TO 65- 1
    NN062_2         EMP RETIREE HI COV FOR SP UP TO 65- 2
    NN062_3         EMP RETIREE HI COV FOR SP UP TO 65- 3
    NN063_1         EMP RETIREE HI COV FOR SP AFTER 65- 1
    NN063_2         EMP RETIREE HI COV FOR SP AFTER 65- 2
    NN063_3         EMP RETIREE HI COV FOR SP AFTER 65- 3
HRS 2014:
    ON033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    ON033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    ON033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    ON034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    ON034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    ON034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    ON059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    ON059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
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    ON059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
    ON060_1         EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
    ON060_2         EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
    ON060_3         EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
    ON062_1         EMP RETIREE HI COV FOR SP UP TO 65- 1
    ON062_2         EMP RETIREE HI COV FOR SP UP TO 65- 2
    ON062_3         EMP RETIREE HI COV FOR SP UP TO 65- 3
    ON063_1         EMP RETIREE HI COV FOR SP AFTER 65- 1
    ON063_2         EMP RETIREE HI COV FOR SP AFTER 65- 2
    ON063_3         EMP RETIREE HI COV FOR SP AFTER 65- 3
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
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Covered by other Health insurance

Wave	Variable	Label	Type
1	R1HIOTHP	R1HIOTHP:W1 R has Other Ins	Categ
2	R2HIOTHP	R2HIOTHP:W2 R has Other Ins	Categ
3	R3HIOTHP	R3HIOTHP:W3 R has Other Ins	Categ
4	R4HIOTHP	R4HIOTHP:W4 R has Other Ins	Categ
5	R5HIOTHP	R5HIOTHP:W5 R has Other Ins	Categ
6	R6HIOTHP	R6HIOTHP:W6 R has Other Ins	Categ
7	R7HIOTHP	R7HIOTHP:W7 R has Other Ins	Categ
8	R8HIOTHP	R8HIOTHP:W8 R has Other Ins	Categ
9	R9HIOTHP	R9HIOTHP:W9 R has Other Ins	Categ
10	R10HIOTHP	R10HIOTHP:W10 R has Other Ins	Categ
11	R11HIOTHP	R11HIOTHP:W11 R has Other Ins	Categ
12	R12HIOTHP	R12HIOTHP:W12 R has Other Ins	Categ
1	S1HIOTHP	S1HIOTHP:W1 S has Other Ins	Categ
2	S2HIOTHP	S2HIOTHP:W2 S has Other Ins	Categ
3	S3HIOTHP	S3HIOTHP:W3 S has Other Ins	Categ
4	S4HIOTHP	S4HIOTHP:W4 S has Other Ins	Categ
5	S5HIOTHP	S5HIOTHP:W5 S has Other Ins	Categ
6	S6HIOTHP	S6HIOTHP:W6 S has Other Ins	Categ
7	S7HIOTHP	S7HIOTHP:W7 S has Other Ins	Categ
8	S8HIOTHP	S8HIOTHP:W8 S has Other Ins	Categ
9	S9HIOTHP	S9HIOTHP:W9 S has Other Ins	Categ
10	S10HIOTHP	S10HIOTHP:W10 S has Other Ins	Categ
11	S11HIOTHP	S11HIOTHP:W11 S has Other Ins	Categ
12	S12HIOTHP	S12HIOTHP:W12 S has Other Ins	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIOTHP	12244	0.13	0.34	0.0	1.0
R2HIOTHP	19479	0.40	0.49	0.0	1.0
R3HIOTHP	16416	0.17	0.38	0.0	1.0
R4HIOTHP	21238	0.21	0.40	0.0	1.0
R5HIOTHP	19431	0.21	0.41	0.0	1.0
R6HIOTHP	17962	0.20	0.40	0.0	1.0
R7HIOTHP	19923	0.18	0.38	0.0	1.0
R8HIOTHP	18315	0.16	0.37	0.0	1.0
R9HIOTHP	17052	0.16	0.37	0.0	1.0
R10HIOTHP	21489	0.13	0.33	0.0	1.0
R11HIOTHP	20252	0.13	0.33	0.0	1.0
R12HIOTHP	18404	0.14	0.35	0.0	1.0
S1HIOTHP	9864	0.12	0.33	0.0	1.0
S2HIOTHP	13018	0.38	0.48	0.0	1.0
S3HIOTHP	11066	0.17	0.37	0.0	1.0
S4HIOTHP	13942	0.20	0.40	0.0	1.0
S5HIOTHP	12692	0.21	0.40	0.0	1.0
S6HIOTHP	11547	0.17	0.38	0.0	1.0
S7HIOTHP	12895	0.16	0.37	0.0	1.0
S8HIOTHP	11672	0.15	0.36	0.0	1.0
S9HIOTHP	10573	0.16	0.36	0.0	1.0
S10HIOTHP	13257	0.12	0.33	0.0	1.0
S11HIOTHP	12358	0.12	0.33	0.0	1.0
S12HIOTHP	10876	0.14	0.34	0.0	1.0

Categorical Variable Codes

Value	R1HIOTHP	R2HIOTHP	R3HIOTHP	R4HIOTHP	R5HIOTHP	R6HIOTHP	R7HIOTHP
.C=Cov,DK by whose emplyr			1172				
.D=DK/NA	25	63	291	59	80	134	152
.M=Oth missing	383	78	79	69	50	19	21
.R=RF		22	33	18	18	50	33
0.No	10643	11668	13587	16855	15359	14404	16350
1.Yes	1601	7811	2829	4383	4072	3558	3573

Value	R8HIOTHP	R9HIOTHP	R10HIOTHP	R11HIOTHP	R12HIOTHP
.D=DK/NA	122	129	236	210	243
.M=Oth missing	15	17	253	50	48
.R=RF	17	19	56	42	53
0.No	15323	14310	18735	17665	15810
1.Yes	2992	2742	2754	2587	2594

Value	S1HIOTHP	S2HIOTHP	S3HIOTHP	S4HIOTHP	S5HIOTHP	S6HIOTHP	S7HIOTHP
.C=Cov,DK by whose emplyr			674				
.D=DK/NA	16	33	149	30	32	51	53
.M=Oth missing	399	23	23	16	11	8	3
.R=RF		14	14	11	10	33	21
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		584	407	516	296	220	380
0.No	8637	8120	9222	11180	10076	9527	10791
1.Yes	1227	4898	1844	2762	2616	2020	2104

Value	S8HIOTHP	S9HIOTHP	S10HIOTHP	S11HIOTHP	S12HIOTHP
.D=DK/NA	51	57	87	97	115
.M=Oth missing	3	4	143	12	15
.R=RF	9	12	26	21	25
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	9869	8921	11625	10856	9380
1.Yes	1803	1652	1632	1502	1496

How Constructed

RwHIOTHP indicates whether the Respondent is covered by any health insurance other than government, employer-provided, or long term care insurance. SwHIOTHP provides the information for the Respondent's spouse or partner.

The question wording and the sample that is asked these questions vary across waves. The relevant questions follow those that inquire about government and employer-provided insurance, and in some waves, are not asked if these types of insurance apply. Because of these differences, the analyst may want to consider this measure in conjunction with other types of insurance coverage.

Generally, if the Respondent indicates that s/he is currently covered by Basic health, Medigap or any other health insurance programs besides long term care insurance, and the coverage is not clearly provided by the government or an employer or union, then we set RwHIOTHP to yes =(1). If the Respondent responds no to questions about these types of insurance coverage then RwHIOTHP is set to no (=0). Otherwise, RwHIOTHP is set to a missing value based on missing values in the HRS variables. Specific codes used to set RwHIOTHP in each wave are listed under "Cross-Wave Differences."

In Wave 3H, and Wave 4, there are two, and in Wave 5 there are three relevant questions. One of them is skipped if

the Respondent has Medicare and employer provided Medigap. The second is skipped if the Respondent is covered by any government or employer-provided insurance. In Wave 5 the third question is skipped if the Respondent is covered by Medicare, through self-employment, or if the Respondent answered the second question. If all these questions are skipped, we set RwHIOTHP to "0." In other waves, the questions are asked of everyone.

In Wave 2A, 3A and from Wave 6 forward, the other health insurance questions are asked in combination with, or as part of a series of questions including employer-provided insurance questions.

Note that coverage by RwHIOTHP decreases somewhat from Wave 6 forward. This may be because the question structure is considerably different from that in previous waves.

SwHIOTHP for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HIOTHP is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HIOTHP is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHIOTHP variable, if available. In Waves 3H, 4, and 5, if the Respondent reports that the spouse is covered by his/her other insurance, this information is applied if the Respondent is married or partnered and the spouse's self-report is missing. If the Respondent is not married, SwHIOTHP is set to .U=unmarried. If the Respondent's spouse did not respond then SwHIOTHP is set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1 an initial question asks "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" If the answer is "yes," then a second question, to which multiple answers may be given asks: "What kind of coverage do you have?" There are five categories of insurance coded: 1) BASIC HEALTH ("Hospitalization"), 2) MEDIGAP, 3) OTHER SUPPLEMENTAL HEALTH (AARP–NFS), 4) LONG-TERM CARE (incl. nursing home care) and 5) OTHER (SPECIFY). Each category is coded as a separate yes/no variable. If the Respondent reports any kind of coverage besides long-term care, then RwHIOTHP is set to "yes."

In Wave 2A, the questions are similar to those in Wave 1. A first question asks: "Do you have any (other) type of health insurance coverage?" If the answer is "yes," then a second question asks: "What kind of coverage do you have?" There are 5 different answers: 1) BASIC HEALTH ("Hospitalization"), 2) MEDIGAP, 3) OTHER SUPPLEMENTAL HEALTH, 4) LONG-TERM CARE and 5) OTHER (SPECIFY). Up to four responses are reported. If the Respondent reports any kind of coverage except long-term care, then RwHIOTHP is set to "yes."

In Wave 2H, separate questions ask about basic health and supplementary health insurance that are privately purchased:

a) "Do you have any basic health insurance coverage, purchased directly from an insurance company or through a membership organization such as AARP (American Association of Retired Persons)?"

b) "Do you have any type of supplementary health insurance coverage, such as Medigap or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (American Association of Retired Persons)?"

If the answer to the second question is "yes," then the Respondent is asked: "What kind of coverage do you have?" There are many categories coded, including Medigap, other supplemental health, long-term care, heart/cardiac policy, cancer (including a combination of cancer and intensive care), dental insurance, Major Medical, "intensive care" or "catastrophic illness," "accident," hospitalization, disability, a policy that pays so much per day/per length of time, and other. Up to four responses are reported. If the Respondent reports any kind of coverage except long-term care, then RwHIOTHP is set to "yes."

In Wave 3A, questions ask if the Respondent has any health insurance other than government or long term care and then ask for the source of the other insurance. The first question asks: "Not counting long-term care insurance or Medicare, (or Medicaid/or any other insurance we've discussed), do you have any other insurance that pays any part of hospital or doctor bills? Sometimes this is called a Medigap or Medicare Supplement policy.)" If the answer is "yes," then the number of plans is asked.

The source of the first or only plan is then collected: "[Thinking about the first of these plans] How did you obtain this type of health insurance coverage? Was it through your (or your husband's/or your wife's/or your partner's) employer or union, or through an organization or what?" Multiple answers are allowed and up to three responses are reported.

If there is more than one plan, a second follow-up question asks: "Thinking about your other health insurance plans, how did you obtain this type of health insurance coverage? Was it through your (or your husband's/or your wife's/or your partner's) employer or union, or through an organization or what?" Up to three responses are reported. If the Respondent reports the coverage is from "OTHER ORGANIZATION," "Self; not through any organization," or "OTHER," then RwHIOTHP is set to "yes."

In Waves 3H, 4 and 5, the questions are worded consistently. If the Respondent is covered by Medicare and does not report having an employer-provided Medigap plan, a first question asks: "Not counting long-term care insurance or Medicare, (or Medicaid/or any other insurance we've discussed), do you have any other insurance that pays any part of hospital or doctor bills? Sometimes this is called a Medigap or Medicare Supplement policy."

If the Respondent is not covered by any government or employer-provided insurance, a second question asks: "Do you have any basic health insurance coverage purchased directly from an insurance company or through a membership organization?" A subsequent question asked who else is covered. If the Respondent indicates that the spouse is covered, we apply the information on SwHIOTHP if married.

In Wave 5, there is an additional question if the prior question was not answered and the Respondent is not covered by Medicare or through self-employment: "Not counting long-term care policies or the health insurance you already told me about, do you have any other health insurance coverage that you purchased directly from an insurance company or through a membership organization?"

Beginning in Wave 6, after asking about government insurance, a question first asks if the Respondent has any other health coverage besides long term care insurance. This is followed by a series of questions of about the source of the private health insurance. The initial question is:

"Now, we'd like to ask about all the other types of health insurance plans you might have, such as insurance through an employer or a business, coverage for retirees, or health insurance you buy for yourself, including any (Medigap or) other supplemental coverage. Do not include long-term care insurance. Other than your Medicare HMO you've just told me about, or anything that you have just told me about, how many other such plans do you have?"

A series of follow-up questions ask separately about the source of the insurance until the source is identified. If the Respondent is currently working, the first question asks: "Do you obtain this health insurance through your (own business or professional organization/current employer)?" If the Respondent is not working, s/he is asked: "Do you obtain this

health insurance through a former employer of yours?" If the Respondent is married or partnered, the next questions ask if insurance is obtained "through your (husband/wife/partner)'s current employer?" or "through your (husband/wife/partner)'s former employer?" If the source still has not been identified, a final question asks: "Did you purchase this plan directly from an insurance company, through your (or your [husband/wife/partner]'s/or your) union, through a group such as AARP, a church, or other organization, or what?" If the Respondent indicates that his coverage is from an insurance company, group or other, we set RwHIOTHP to "yes."

In Wave 1, Wave 2H and Wave 3H forward, the other health insurance questions asks if the Respondent purchased it by himself. In Waves 2A and 3A, and from Wave 6 forward, the other health insurance questions are combined with employer provided insurance questions.

In Waves 3H, 4 and 5, if the Respondent has Medicare and employer provided Medigap, or no Medicare and has any government insurance, then the questions are skipped. For all other waves, the questions are asked of everyone.

HRS Variables Used

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HRS 1992:
    VR6632          R14:COV FRM INS CO:IMP/ Self
    VR6633          R14aA:CO/ORG:BASC HLTH/ Self
    VR6634          R14aB:CO/ORG:MEDIGAP/ Self
    VR6635          R14aC:CO/ORG:SUPPLMNTL/ Self
    VR6637          R14aE:CO/ORG:OTHER/ Self
AHEAD 1993:
    B1859           R6. R OTHER HEALTH INSURANCE: ANY
    B1865A1         R7. R OTHER HEALTH INSURANCE: TYPE-1
    B1865A2         R7. R OTHER HEALTH INSURANCE: TYPE-2
    B1865A3         R7. R OTHER HEALTH INSURANCE: TYPE-3
    B1865A4         R7. R OTHER HEALTH INSURANCE: TYPE-4
HRS 1994:
    W6754           R14.INSURANCE FROM COMPA
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5225M1         R10D-1.  HOW OBTAIN OTHER HMO-1
    D5225M2         R10D-2. HOW OBTAIN OTHER HMO-1
    D5225M3         R10D. HOW OBTAIN OTHER HMO-1
    D5242M1         R11D-1.  HOW OBTAIN OTHER HMO-1
    D5242M2         R11D-2.  HOW OBTAIN OTHER HMO-1
HRS 1996:
    E5133           R1.MEDICARE COVERAGE
    E5206           R46.OTHER INSURANCE
    E5218           R48.ANY OTHER HEALTH INSUR
    E5225M1         R54A.WHO ELSE COVERED
    E5225M2         R54A.WHO ELSE COVERED
    E5225M3         R54A.WHO ELSE COVERED
    E5225M4         R54A.WHO ELSE COVERED
    E5225M5         R54A.WHO ELSE COVERED
HRS 1998:
    F5938           R46.OTHER INSURANCE
    F5950           R48.ANY OTHER HEALTH INSUR
    F5957M1         R54A.WHO ELSE COVERED
    F5957M2         R54A.WHO ELSE COVERED
    F5957M3         R54A.WHO ELSE COVERED
    F5957M4         R54A.WHO ELSE COVERED
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    F5957M5         R54A.WHO ELSE COVERED
HRS 2000:
    G6312           R46.OTHER INSURANCE
    G6324           R48.ANY HEALTH INSUR
    G6325           R48B.ANY OTHER PURCHASED HEALTH INS
    G6331M1         R54A.WHO ELSE COVERED
    G6331M2         R54A.WHO ELSE COVERED
    G6331M3         R54A.WHO ELSE COVERED
    G6331M4         R54A.WHO ELSE COVERED
    G6331M5         R54A.WHO ELSE COVERED
    G6331M6         R54A.WHO ELSE COVERED
HRS 2002:
    HN023           NUM PRIVATE HEALTH INS PLANS
    HN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    HN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    HN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2004:
    JN023           NUM PRIVATE HEALTH INS PLANS
    JN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    JN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    JN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2006:
    KN023           NUM PRIVATE HEALTH INS PLANS
    KN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    KN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    KN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2008:
    LN023           NUM PRIVATE HEALTH INS PLANS
    LN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    LN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    LN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2010:
    MN023           NUM PRIVATE HEALTH INS PLANS
    MN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    MN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    MN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2012:
    NN023           NUM PRIVATE HEALTH INS PLANS
    NN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    NN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    NN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2014:
    ON023           NUM PRIVATE HEALTH INS PLANS
    ON037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    ON037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    ON037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
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Covered by long-term care insurance

Wave	Variable	Label	Type
1	R1HILTC	R1HILTC:W1 R has Long Term Care Ins	Categ
2	R2HILTC	R2HILTC:W2 R has Long Term Care Ins	Categ
3	R3HILTC	R3HILTC:W3 R has Long Term Care Ins	Categ
4	R4HILTC	R4HILTC:W4 R has Long Term Care Ins	Categ
5	R5HILTC	R5HILTC:W5 R has Long Term Care Ins	Categ
6	R6HILTC	R6HILTC:W6 R has Long Term Care Ins	Categ
7	R7HILTC	R7HILTC:W7 R has Long Term Care Ins	Categ
8	R8HILTC	R8HILTC:W8 R has Long Term Care Ins	Categ
9	R9HILTC	R9HILTC:W9 R has Long Term Care Ins	Categ
10	R10HILTC	R10HILTC:W10 R has Long Term Care Ins	Categ
11	R11HILTC	R11HILTC:W11 R has Long Term Care Ins	Categ
12	R12HILTC	R12HILTC:W12 R has Long Term Care Ins	Categ
1	S1HILTC	S1HILTC:W1 S has Long Term Care Ins	Categ
2	S2HILTC	S2HILTC:W2 S has Long Term Care Ins	Categ
3	S3HILTC	S3HILTC:W3 S has Long Term Care Ins	Categ
4	S4HILTC	S4HILTC:W4 S has Long Term Care Ins	Categ
5	S5HILTC	S5HILTC:W5 S has Long Term Care Ins	Categ
6	S6HILTC	S6HILTC:W6 S has Long Term Care Ins	Categ
7	S7HILTC	S7HILTC:W7 S has Long Term Care Ins	Categ
8	S8HILTC	S8HILTC:W8 S has Long Term Care Ins	Categ
9	S9HILTC	S9HILTC:W9 S has Long Term Care Ins	Categ
10	S10HILTC	S10HILTC:W10 S has Long Term Care Ins	Categ
11	S11HILTC	S11HILTC:W11 S has Long Term Care Ins	Categ
12	S12HILTC	S12HILTC:W12 S has Long Term Care Ins	Categ
2	R2TYLTC	R2TYLTC:W2 R Type of Long Term Care Ins	Categ
3	R3TYLTC	R3TYLTC:W3 R Type of Long Term Care Ins	Categ
4	R4TYLTC	R4TYLTC:W4 R Type of Long Term Care Ins	Categ
5	R5TYLTC	R5TYLTC:W5 R Type of Long Term Care Ins	Categ
6	R6TYLTC	R6TYLTC:W6 R Type of Long Term Care Ins	Categ
7	R7TYLTC	R7TYLTC:W7 R Type of Long Term Care Ins	Categ
8	R8TYLTC	R8TYLTC:W8 R Type of Long Term Care Ins	Categ
9	R9TYLTC	R9TYLTC:W9 R Type of Long Term Care Ins	Categ
10	R10TYLTC	R10TYLTC:W10 R Type of Long Term Care Ins	Categ
11	R11TYLTC	R11TYLTC:W11 R Type of Long Term Care Ins	Categ
12	R12TYLTC	R12TYLTC:W12 R Type of Long Term Care Ins	Categ
2	S2TYLTC	S2TYLTC:W2 S Type of Long Term Care Ins	Categ
3	S3TYLTC	S3TYLTC:W3 S Type of Long Term Care Ins	Categ
4	S4TYLTC	S4TYLTC:W4 S Type of Long Term Care Ins	Categ
5	S5TYLTC	S5TYLTC:W5 S Type of Long Term Care Ins	Categ
6	S6TYLTC	S6TYLTC:W6 S Type of Long Term Care Ins	Categ
7	S7TYLTC	S7TYLTC:W7 S Type of Long Term Care Ins	Categ
8	S8TYLTC	S8TYLTC:W8 S Type of Long Term Care Ins	Categ
9	S9TYLTC	S9TYLTC:W9 S Type of Long Term Care Ins	Categ
10	S10TYLTC	S10TYLTC:W10 S Type of Long Term Care Ins	Categ
11	S11TYLTC	S11TYLTC:W11 S Type of Long Term Care Ins	Categ
12	S12TYLTC	S12TYLTC:W12 S Type of Long Term Care Ins	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HILTC	12246	0.01	0.10	0.0	1.0
R2HILTC	19108	0.07	0.25	0.0	1.0
R3HILTC	17534	0.10	0.30	0.0	1.0
R4HILTC	20696	0.09	0.29	0.0	1.0
R5HILTC	19164	0.09	0.29	0.0	1.0
R6HILTC	17880	0.11	0.31	0.0	1.0

R7HILTC	19834	0.11	0.32	0.0	1.0
R8HILTC	18193	0.12	0.32	0.0	1.0
R9HILTC	16917	0.12	0.33	0.0	1.0
R10HILTC	21293	0.12	0.32	0.0	1.0
R11HILTC	20178	0.11	0.32	0.0	1.0
R12HILTC	18368	0.12	0.32	0.0	1.0
S1HILTC	9866	0.01	0.10	0.0	1.0
S2HILTC	12849	0.06	0.24	0.0	1.0
S3HILTC	11637	0.11	0.31	0.0	1.0
S4HILTC	13566	0.10	0.30	0.0	1.0
S5HILTC	12482	0.11	0.31	0.0	1.0
S6HILTC	11469	0.12	0.33	0.0	1.0
S7HILTC	12793	0.13	0.33	0.0	1.0
S8HILTC	11576	0.13	0.34	0.0	1.0
S9HILTC	10489	0.14	0.35	0.0	1.0
S10HILTC	13103	0.13	0.33	0.0	1.0
S11HILTC	12292	0.12	0.33	0.0	1.0
S12HILTC	10844	0.12	0.33	0.0	1.0
R2TYLTC	1069	2.23	0.92	1.0	3.0
R3TYLTC	1620	2.64	1.15	1.0	7.0
R4TYLTC	1767	2.54	0.89	1.0	7.0
R5TYLTC	1682	2.63	0.79	1.0	7.0
R6TYLTC	1844	2.71	0.83	1.0	7.0
R7TYLTC	2101	2.76	0.79	1.0	7.0
R8TYLTC	2011	2.72	0.70	1.0	7.0
R9TYLTC	1947	2.76	0.69	1.0	7.0
R10TYLTC	2375	2.78	0.71	1.0	7.0
R11TYLTC	2171	2.75	0.67	1.0	7.0
R12TYLTC	2034	2.80	0.75	1.0	7.0
S2TYLTC	633	2.28	0.90	1.0	3.0
S3TYLTC	1168	2.70	1.15	1.0	7.0
S4TYLTC	1250	2.58	0.89	1.0	7.0
S5TYLTC	1244	2.66	0.77	1.0	7.0
S6TYLTC	1324	2.74	0.81	1.0	7.0
S7TYLTC	1527	2.78	0.76	1.0	7.0
S8TYLTC	1417	2.74	0.67	1.0	7.0
S9TYLTC	1369	2.79	0.68	1.0	7.0
S10TYLTC	1565	2.80	0.65	1.0	7.0
S11TYLTC	1421	2.78	0.65	1.0	7.0
S12TYLTC	1278	2.82	0.65	1.0	7.0

Categorical Variable Codes

Value	R1HILTC	R2HILTC	R3HILTC	R4HILTC	R5HILTC	R6HILTC	R7HILTC
.D=DK/NA	23	431	353	594	351	249	261
.M=Oth missing	383	78	88	72	49	15	20
.R=RF		25	16	22	15	21	14
0.No	12128	17840	15762	18765	17356	15918	17606
1.Yes	118	1268	1772	1931	1808	1962	2228

Value	R8HILTC	R9HILTC	R10HILTC	R11HILTC	R12HILTC
.D=DK/NA	246	270	441	288	304
.M=Oth missing	16	17	261	63	50
.R=RF	14	13	39	25	26
0.No	16039	14839	18763	17881	16190
1.Yes	2154	2078	2530	2297	2178

Value	S1HILTC	S2HILTC	S3HILTC	S4HILTC	S5HILTC	S6HILTC	S7HILTC
.D=DK/NA	14	202	243	384	231	150	166
.M=Oth missing	399	23	31	16	10	5	4
.R=RF		14	4	12	7	15	9
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		584	418	537	311	220	380
0.No	9776	12063	10362	12210	11149	10065	11183
1.Yes	90	786	1275	1356	1333	1404	1610

Value	S8HILTC	S9HILTC	S10HILTC	S11HILTC	S12HILTC
.D=DK/NA	149	146	240	164	159
.M=Oth missing	3	4	148	19	16
.R=RF	7	7	22	13	12
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	10055	9034	11445	10797	9496
1.Yes	1521	1455	1658	1495	1348

Value	R2TYLTC	R3TYLTC	R4TYLTC	R5TYLTC	R6TYLTC	R7TYLTC
.D=DK/NA	396	148	163	126	118	127
.M=Oth missing		4				
.Q=Not asked this wv	11420					
.R=RF	3		1			
.S=Skip, no LTC	6754	16219	19453	17771	16203	17901
1.Nursing home care only	355	318	340	252	253	248
2.In-home care only	115	172	185	142	98	98
3.Both	599	1073	1228	1280	1474	1734
7.Other		57	14	8	19	21

Value	R8TYLTC	R9TYLTC	R10TYLTC	R11TYLTC	R12TYLTC
.D=DK/NA	143	130	153	125	141
.M=Oth missing					1
.R=RF		1	2	1	2
.S=Skip, no LTC	16315	15139	19504	18257	16570
1.Nursing home care only	247	210	244	231	204
2.In-home care only	78	84	100	95	91
3.Both	1682	1645	2017	1839	1718
7.Other	4	8	14	6	21

Value	S2TYLTC	S3TYLTC	S4TYLTC	S5TYLTC	S6TYLTC	S7TYLTC
.D=DK/NA	185	103	105	89	80	83
.M=Oth missing		4				
.Q=Not asked this wv	9123					
.R=RF			1			
.S=Skip, no LTC	3531	10640	12622	11397	10235	11362
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	418	537	311	220	380
1.Nursing home care only	192	204	227	176	168	166
2.In-home care only	71	126	121	95	64	65
3.Both	370	793	891	968	1078	1282
7.Other		45	11	5	14	14

Value	S8TYLTC	S9TYLTC	S10TYLTC	S11TYLTC	S12TYLTC
.D=DK/NA	104	85	93	74	70
.R=RF		1			
.S=Skip, no LTC	10214	9191	11855	10993	9683
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Nursing home care only	163	131	139	136	106
2.In-home care only	45	48	56	54	52
3.Both	1207	1183	1363	1227	1113
7.Other	2	7	7	4	7

How Constructed

RwHILTC indicates whether the Respondent is covered by long-term care insurance. RwTYLTC indicates whether the long-term care covers nursing home care only, in-home care only, or both. SwHILTC and SwTYLTC provide the information for the Respondent's spouse or partner.

Though the question structure varies across waves, long-term care insurance coverage can be identified in all of them. If the Respondent indicates that s/he is currently covered by long-term care insurance, then RwHILTC is set to yes (=1). If the Respondent responds no then RwHILTC is set to no (=0). Otherwise, RwHILTC is set to a missing value based on missing values in the HRS variables.

In Wave 2A and from Wave 3 forward, there is a follow-up question(s) when the Respondent indicates having long-term care coverage. This question asks whether long-term care covers nursing home care facility only, long-term care at home, or both. RwTYLTC indicates the type of long-term care coverage based on this question. If the Respondent does not have long-term coverage, then RwTYLTC is set to skip (.S). In Wave 1, R1TYLTC and S1TYLTC are not available because the question is not asked.

In Wave 1, S1HILTC is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HILTC is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HILTC is the Financial Respondent's information.

From Wave 2 on, SwHILTC and SwTYLTC are taken from the spouse's self-reported RwHILTC and RwTYLTC variables, if available. If the Respondent is not married, SwHILTC and SwTYLTC are set to .U=unmarried. If the Respondent's spouse did not respond then SwHILTC and SwTYLTC are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health

insurance questions are asked of individual Respondents about their own coverage only.

In Waves 1, 2H and 2A, there is a leading question asking whether the Respondent has any other health insurance. In Waves 1 and 2H, the question is: "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" In Wave 2A, the question is: "Do you have any (other) type of health insurance coverage?"

A follow-up question asks the type of insurance. In Wave 1, any of five possible answers may be given: 1) BASIC HEALTH ("Hospitalization"), 2) MEDIGAP, 3) OTHER SUPPLEMENTAL HEALTH (AARP–NFS), 4) LONG-TERM CARE (incl. nursing home care) or 5) OTHER (SPECIFY).

In Wave 2A, the question asks: "What kind of coverage do you have? Is it basic health insurance, a supplement to Medicare (MEDIGAP) or other health insurance, long-term care insurance, or what?" There are 5 different answers: 1) Basic Health, 2) Medigap, 3) Other Supplemental plan, 4) Long-term Care and 5) Other Specify. Up to 4 responses are reported.

In Wave 2H, the question asks: "What kind of coverage do you have? Medigap or other supplemental health insurance, long-term care insurance, or what?)" The possible responses are: 1) Medigap, 2) Other Supplemental health, 3) Long-term Care(incl. Nursing home care), 4) Heart /cardiac policy, 5) Cancer, 6) dental insurance, 7) Major medical, 8) Hospitalization, 9) Disability, 10) Policy that pays so much per day and 11) Other specific type of insurance.

In Waves 1 and 2H, there is no question about type of long-term care coverage. In Wave 2A, the type of long-term care coverage is asked in two questions. The first question asks: "Do any of your policies include long term or nursing home care?" The second question asks: "Does this plan cover home care?"

In Wave 3 and forward, the long-term care question is asked separately: "Not including government programs, do you now have any insurance which specifically pays any part of long-term care, such as, personal or medical care in the home or in a nursing home?" The type of long-term care question is: "Does this plan cover care in a nursing home facility only, personal or long-term care at home, or both in-home and nursing home care?"

HRS Variables Used

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HRS 1992:
    VR6632          R14:COV FRM INS CO:IMP/ Self
    VR6636          R14aD:CO/ORG:LN-TRM CR/ Self
AHEAD 1993:
    B1859           R6. R OTHER HEALTH INSURANCE: ANY
    B1865A1         R7. R OTHER HEALTH INSURANCE: TYPE-1
    B1865A2         R7. R OTHER HEALTH INSURANCE: TYPE-2
    B1865A3         R7. R OTHER HEALTH INSURANCE: TYPE-3
    B1865A4         R7. R OTHER HEALTH INSURANCE: TYPE-4
    B1879           R10. R LONG-TERM CARE INS: ANY
    B1881           R10b. R L-T CARE INS: COVER HOME CARE
HRS 1994:
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
AHEAD 1995:
    D5263           R15.R LONG-TERM CARE
    D5264           R15A. L-T-C COVER
HRS 1996:
    E5266           R85.LTC INSURANCE
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    E5267           R87.COVER NURSING HOME/IN-HOME CARE
HRS 1998:
    F5999           R85.LTC INSURANCE
    F6000           R87.COVER NURSING HOME/IN-HOME CARE
HRS 2000:
    G6393           R85.LTC INSURANCE
    G6394           R87.COVER NURSING HOME/IN-HOME CARE
HRS 2002:
    HN071           LTC INSURANCE
    HN075           COVER NURSING HOME/IN-HOME CARE
HRS 2004:
    JN071           LTC INSURANCE
    JN075           COVER NURSING HOME/IN-HOME CARE
HRS 2006:
    KN071           LTC INSURANCE
    KN075           COVER NURSING HOME/IN-HOME CARE
HRS 2008:
    LN071           LTC INSURANCE
    LN075           COVER NURSING HOME/IN-HOME CARE
HRS 2010:
    MN071           LTC INSURANCE
    MN075           COVER NURSING HOME/IN-HOME CARE
HRS 2012:
    NN071           LTC INSURANCE
    NN075           COVER NURSING HOME/IN-HOME CARE
HRS 2014:
    ON071           LTC INSURANCE
    ON075           COVER NURSING HOME/IN-HOME CARE
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
```

Covered by life insurance

Wave	Variable	Label	Type
1	R1LIFEIN	R1LIFEIN:W1 R has Life Insurance	Categ
2	R2LIFEIN	R2LIFEIN:W2 R has Life Insurance	Categ
3	R3LIFEIN	R3LIFEIN:W3 R has Life Insurance	Categ
4	R4LIFEIN	R4LIFEIN:W4 R has Life Insurance	Categ
5	R5LIFEIN	R5LIFEIN:W5 R has Life Insurance	Categ
6	R6LIFEIN	R6LIFEIN:W6 R has Life Insurance	Categ
7	R7LIFEIN	R7LIFEIN:W7 R has Life Insurance	Categ
8	R8LIFEIN	R8LIFEIN:W8 R has Life Insurance	Categ
9	R9LIFEIN	R9LIFEIN:W9 R has Life Insurance	Categ
10	R10LIFEIN	R10LIFEIN:W10 R has Life Insurance	Categ
11	R11LIFEIN	R11LIFEIN:W11 R has Life Insurance	Categ
12	R12LIFEIN	R12LIFEIN:W12 R has Life Insurance	Categ
1	S1LIFEIN	S1LIFEIN:W1 S has Life Insurance	Categ
2	S2LIFEIN	S2LIFEIN:W2 S has Life Insurance	Categ
3	S3LIFEIN	S3LIFEIN:W3 S has Life Insurance	Categ
4	S4LIFEIN	S4LIFEIN:W4 S has Life Insurance	Categ
5	S5LIFEIN	S5LIFEIN:W5 S has Life Insurance	Categ
6	S6LIFEIN	S6LIFEIN:W6 S has Life Insurance	Categ
7	S7LIFEIN	S7LIFEIN:W7 S has Life Insurance	Categ
8	S8LIFEIN	S8LIFEIN:W8 S has Life Insurance	Categ
9	S9LIFEIN	S9LIFEIN:W9 S has Life Insurance	Categ
10	S10LIFEIN	S10LIFEIN:W10 S has Life Insurance	Categ
11	S11LIFEIN	S11LIFEIN:W11 S has Life Insurance	Categ
12	S12LIFEIN	S12LIFEIN:W12 S has Life Insurance	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIFEIN	12469	0.70	0.46	0.0	1.0
R2LIFEIN	19375	0.67	0.47	0.0	1.0
R3LIFEIN	17802	0.68	0.47	0.0	1.0
R4LIFEIN	21151	0.69	0.46	0.0	1.0
R5LIFEIN	19345	0.67	0.47	0.0	1.0
R6LIFEIN	17915	0.66	0.47	0.0	1.0
R7LIFEIN	19887	0.66	0.47	0.0	1.0
R8LIFEIN	18240	0.64	0.48	0.0	1.0
R9LIFEIN	16975	0.63	0.48	0.0	1.0
R10LIFEIN	21480	0.59	0.49	0.0	1.0
R11LIFEIN	20247	0.58	0.49	0.0	1.0
R12LIFEIN	18450	0.57	0.50	0.0	1.0
S1LIFEIN	10092	0.72	0.45	0.0	1.0
S2LIFEIN	13126	0.72	0.45	0.0	1.0
S3LIFEIN	11840	0.73	0.44	0.0	1.0
S4LIFEIN	13890	0.74	0.44	0.0	1.0
S5LIFEIN	12624	0.71	0.45	0.0	1.0
S6LIFEIN	11525	0.71	0.45	0.0	1.0
S7LIFEIN	12848	0.71	0.46	0.0	1.0
S8LIFEIN	11622	0.69	0.46	0.0	1.0
S9LIFEIN	10538	0.67	0.47	0.0	1.0
S10LIFEIN	13229	0.63	0.48	0.0	1.0
S11LIFEIN	12347	0.62	0.49	0.0	1.0
S12LIFEIN	10914	0.60	0.49	0.0	1.0

Categorical Variable Codes

Value	R1LIFEIN	R2LIFEIN	R3LIFEIN	R4LIFEIN	R5LIFEIN	R6LIFEIN	R7LIFEIN
.D=DK/NA	88	74	63	103	114	140	123
.M=Oth missing	95	125	86	72	49	18	36
.R=RF		68	40	58	71	92	83
0.No	3728	6418	5682	6496	6419	6066	6793
1.Yes	8741	12957	12120	14655	12926	11849	13094

Value	R8LIFEIN	R9LIFEIN	R10LIFEIN	R11LIFEIN	R12LIFEIN
.D=DK/NA	125	139	160	127	122
.M=Oth missing	22	23	278	60	63
.R=RF	82	80	116	120	113
0.No	6490	6343	8843	8591	8000
1.Yes	11750	10632	12637	11656	10450

Value	S1LIFEIN	S2LIFEIN	S3LIFEIN	S4LIFEIN	S5LIFEIN	S6LIFEIN	S7LIFEIN
.D=DK/NA	92	48	30	44	57	62	63
.M=Oth missing	95	79	30	16	10	6	12
.R=RF		35	15	28	39	46	49
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR		384	418	537	311	220	380
0.No	2840	3739	3204	3618	3602	3362	3787
1.Yes	7252	9387	8636	10272	9022	8163	9061

Value	S8LIFEIN	S9LIFEIN	S10LIFEIN	S11LIFEIN	S12LIFEIN
.D=DK/NA	69	64	79	68	53
.M=Oth missing	5	5	149	14	18
.R=RF	39	39	56	59	46
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	3658	3464	4890	4744	4330
1.Yes	7964	7074	8339	7603	6584

How Constructed

RwLIFEIN indicates whether the Respondent has any life insurance. SwLIFEIN provides this information for the Respondent's spouse or partner.

For all the waves, the question asks if the Respondent (and in Waves 1 and 2A, the Financial Respondent's spouse) has any life insurance. The wording varies slightly across waves. It is asked at the household level of the Financial Respondent in Waves 1 and 2A, and at the Respondent level in Wave 2H and from Wave 3 forward. The variable for this question is simply recoded to 0/1 for No/Yes and for missing values.

SwLIFEIN for Wave 1 and Wave 2A is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then SwLIFEIN is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then SwLIFEIN is the Financial Respondent's information.

In Wave 2H and from Wave 3 on, this information is taken from the spouse's self-reported RwLIFEIN variable, if available. If the Respondent is not married, SwLIFEIN is set to .U=unmarried. If the Respondent's spouse did not respond then SwLIFEIN is set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2A, the life insurance questions are asked only of the Financial Respondent. Questions inquire about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. In Wave 2H and from Wave 3 on, life insurance questions are asked of individual Respondents about their own coverage only.

The question wording has varied slightly over time. In 1992, 1994, 2000, and from 2002 forward (Waves 1, 2H, 5, and 6 forward), the question asks: "Do you have any life insurance, including individual or group policies?" In 1993 (Wave 2A), the question is preceded by: "My next questions are about life insurance. (First I will ask about insurance on own life then about insurance on your [spouse]'s life." The question then asks, "Do you yourself have any life insurance, including individual or group policies from a former employer or union or some other source?" In 1992 and 1993, a second question asks the Financial Respondent: "Does your [spouse] have any life insurance, including individual or group policies?"

In 1995 (Wave 3A) the question asks: "My next questions are about life insurance. Do you yourself have any life insurance, including individual or group policies from a former employer or union or some other source?" In 1996 and 1998 (Waves 3H and 4) the question asks: "Do you currently have any life insurance?"

HRS Variables Used

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HRS 1992:
    VR6701          R16:HAVE LIFE INSURANC/ Self
AHEAD 1993:
    B1884           R11. R LIFE INSURANCE: ANY
HRS 1994:
    W6764           R15.LIFE INSURANCE
AHEAD 1995:
    D5279           R16.R LIFE INS
HRS 1996:
    E5284           R94.HAVE ANY LIFE INSURANCE
HRS 1998:
    F6015           R94.HAVE ANY LIFE INSURANCE
HRS 2000:
    G6409           R94.HAVE ANY LIFE INSURANCE
HRS 2002:
    HT011           R HAVE ANY LIFE INSURANCE
HRS 2004:
    JT011           R HAVE ANY LIFE INSURANCE
HRS 2006:
    KT011           R HAVE ANY LIFE INSURANCE
HRS 2008:
    LT011           R HAVE ANY LIFE INSURANCE
HRS 2010:
    MT011           R HAVE ANY LIFE INSURANCE
HRS 2012:
    NT011           R HAVE ANY LIFE INSURANCE
HRS 2014:
    OT011           R HAVE ANY LIFE INSURANCE
Tracker:
    AFINR           1992 WHETHER FINANCIAL RESPONDENT
    BFINR           1993 WHETHER FINANCIAL RESPONDENT
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Section H: Family Structure

Number of people living in the household

Wave	Variable	Label	Type
1	H1HHRES	H1HHRES:W1 Number of people in HH	Cont
2	H2HHRES	H2HHRES:W2 Number of people in HH	Cont
3	H3HHRES	H3HHRES:W3 Number of people in HH	Cont
4	H4HHRES	H4HHRES:W4 Number of people in HH	Cont
5	H5HHRES	H5HHRES:W5 Number of people in HH	Cont
6	H6HHRES	H6HHRES:W6 Number of people in HH	Cont
7	H7HHRES	H7HHRES:W7 Number of people in HH	Cont
8	H8HHRES	H8HHRES:W8 Number of people in HH	Cont
9	H9HHRES	H9HHRES:W9 Number of people in HH	Cont
10	H10HHRES	H10HHRES:W10 Number of people in HH	Cont
11	H11HHRES	H11HHRES:W11 Number of people in HH	Cont
12	H12HHRES	H12HHRES:W12 Number of people in HH	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1HHRES	12652	2.74	1.33	1.0	14.0
H2HHRES	19638	2.31	1.19	1.0	14.0
H3HHRES	17991	2.29	1.27	1.0	16.0
H4HHRES	21384	2.28	1.23	1.0	19.0
H5HHRES	19579	2.22	1.20	1.0	18.0
H6HHRES	18165	2.13	1.08	1.0	15.0
H7HHRES	20129	2.24	1.17	1.0	15.0
H8HHRES	18469	2.18	1.14	1.0	14.0
H9HHRES	17217	2.14	1.12	1.0	15.0
H10HHRES	22034	2.36	1.33	1.0	14.0
H11HHRES	20554	2.33	1.33	1.0	15.0
H12HHRES	18748	2.30	1.31	1.0	15.0

How Constructed

HwHHRES counts the number of residents in the household, including the Respondent and spouse.

Number of residents in the household for Waves 1 and 2H are derived by counting the number of people reported in the household roster. All household residents, including the Respondent and spouse, appear as observations in the HHLIST files for these waves. They are counted in preprocessing that collapses the household roster to Respondent-level observations.

In Wave 2A, household residents are identified by the HHMEMADD flag in the other-persons file and counted by household. If a household resident is married, the spouse is considered a resident as well. If the household is missing from the other-persons file, the number in the household, not including the Respondent and spouse, is taken from a direct question.

The number of residents from Wave 3 forward can be ascertained by checking the status for each person listed on the household roster. The household roster includes household residents and non-resident children. The status variable indicates whether a person is a resident or not. In Waves 3 to 5, the status variable for spouses of people on the household roster is checked for residency as well. The status code 1 indicates residency. The temporarily away status is NOT considered an indicator of residence for this variable. From Wave 6 forward, resident spouses of household members are

listed as individuals on the household roster. From Wave 3 forward, the household roster is found in the PR_MC module.

Anyone with a status indicating residence is counted for the household. In Wave 2A and from Wave 3 forward, if the HRS household is a single person, one is added to the count; if it is a couple, two is added to the count, so that the count includes the HRS Respondents as residents as well.

Cross Wave Differences in Original HRS Data

Information about household members is provided at the household-level and is given by the cover sheet Respondent at each wave.

In Waves 1 and 2H, the raw HRS data provide household resident data in a separate module with one observation per household resident. Preprocessing of Wave 1 and 2H data collapses the household resident-level observations to the household-level and then assigns them to each Respondent.

In Wave 2A, the AHEAD data provide information about household residents and children in a separate other-persons file. Additionally, in Wave 2A, a direct question asks about the number of household residents; this question is answered by the first Respondent in the household, called the cover sheet Respondent in later waves.

From Wave 3 forward, the resident and non-resident children and other household residents are found in the PR_MC module. A status variable indicates whether the individual, including a child, is a household resident or not. Household resident information is provided by the cover sheet Respondent and information about children is updated by the Family Respondent.

In Waves 1 and 2H, the Respondent and spouse are included in the household roster, along with other household members and their spouses. In Wave 2A and from Wave 3 forward, the Respondent and spouse are not included in the household roster. Also, couples among other household members appear on one observation in Waves 2A, 3, 4, and 5. In Wave 2A, marital status of residents indicates whether a spouse also resides in the household. From Wave 3 to Wave 5, a spouse status variable indicates whether the spouse is a resident. From Wave 6 forward, household members' spouses are included as individuals on the household roster as they were in 1992 and 1994.

In Wave 2A the direct question about the number of household residents that is asked of the cover sheet Respondent is:

"Other than you [and your (husband/wife/partner)], how many people are living with you?"

HRS Variables Used

```
HRS 1992:
    VNHLST          HRS W1: # on HHLIST
AHEAD 1993:
    B407            D3. # OTHERS IN HH (BESIDES R AND SP)
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    HHMEMADD        HOUSEHOLD MEMBER ADDED BY STAFF
    MARSTATP        MARITAL STATUS CHILD/OTHR HHM
HRS 1994:
    W8307           Moved out:Year
AHEAD 1995:
    D13             HHMEM SP STATUS
    D6              HHMEM STATUS W2
    DHHID           DHHID: AHD 95 Household ID (char7)
HRS 1996:
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    E13             HHMEM S/P STATUS
    E6              UPDATED HHMEM STATUS
    EHHID           EHHID: HRS 96 Household ID (char7)
HRS 1998:
    F14             HHMEM SP STATUS
    F7              HHMEM STATUS
    FHHID           FHHID: HRS 98 Household ID (char7)
HRS 2000:
    G14             HHMEM SP STATUS - UPDATED
    G7              HHMEM STATUS - UPDATED
    GHHID           GHHID: HRS 00 Household ID (char7)
HRS 2002:
    HHHID           HHHID: HRS 02 Household ID (char7)
    HX056_MC        RESIDENCY STATUS-UPDATED
HRS 2004:
    JHHID           JHHID: HRS 04 Household ID (char7)
    JX056_MC        RESIDENCY STATUS-UPDATED
HRS 2006:
    KHHID           KHHID: HRS 06 Household ID (char8)
    KX056_MC        RESIDENCY STATUS-UPDATED
HRS 2008:
    LHHID           LHHID: HRS 08 Household ID (char8)
    LX056_MC        RESIDENCY STATUS-UPDATED
HRS 2010:
    MHHID           MHHID: HRS 10 Household ID (char8)
    MX056_MC        RESIDENCY STATUS-UPDATED
HRS 2012:
    NHHID           NHHID: HRS 12 Household ID (char8)
    NX056_MC        RESIDENCY STATUS-UPDATED
HRS 2014:
    OHHID           OHHID: HRS 14 Household ID (char8)
    OX056_MC        RESIDENCY STATUS-UPDATED
Tracker:
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
    HHID            HOUSEHOLD IDENTIFIER
```

Number of children

Wave	Variable	Label	Type
1	H1CHILD	H1CHILD:W1 Number of living children R/P	Cont
2	H2CHILD	H2CHILD:W2 Number of living children R/P	Cont
3	H3CHILD	H3CHILD:W3 Number of living children R/P	Cont
4	H4CHILD	H4CHILD:W4 Number of living children R/P	Cont
5	H5CHILD	H5CHILD:W5 Number of living children R/P	Cont
6	H6CHILD	H6CHILD:W6 Number of living children R/P	Cont
7	H7CHILD	H7CHILD:W7 Number of living children R/P	Cont
8	H8CHILD	H8CHILD:W8 Number of living children R/P	Cont
9	H9CHILD	H9CHILD:W9 Number of living children R/P	Cont
10	H10CHILD	H10CHILD:W10 Number of living children R/P	Cont
11	H11CHILD	H11CHILD:W11 Number of living children R/P	Cont
12	H12CHILD	H12CHILD:W12 Number of living children R/P	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1CHILD	12652	3.33	2.16	0.0	19.0
H2CHILD	19637	3.09	2.23	0.0	22.0
H3CHILD	17907	3.19	2.20	0.0	20.0
H4CHILD	21209	3.20	2.21	0.0	20.0
H5CHILD	19399	3.25	2.23	0.0	20.0
H6CHILD	17935	3.29	2.25	0.0	21.0
H7CHILD	19774	3.19	2.17	0.0	22.0
H8CHILD	18131	3.21	2.14	0.0	19.0
H9CHILD	16846	3.25	2.16	0.0	19.0
H10CHILD	21607	3.12	2.10	0.0	20.0
H11CHILD	20271	3.15	2.11	0.0	22.0
H12CHILD	18447	3.15	2.09	0.0	20.0

How Constructed

HwCHILD provides the number of living children of the Respondent and spouse or partner.

The number of living children is summed, including anyone who is a child or step-child of the Respondent or spouse. Counts of individual children are assigned to the HwCHILD variables. All of the Respondent's and spouse's living children are counted for one total.

In Waves 1 and 2H, living children are counted from among children in the KIDS file. In Wave 2A, living children are counted from among the children in the Other-Persons file based on relationships to the male and female members of the AHEAD couple. If a household is missing any children using this method, a direct question to the Family Respondent is used.

From Wave 3 forward, living children are counted from child status variables in the household roster. The status is checked to ensure the child is alive and in contact. The relationships to both Respondents are checked for child or step-child. Living children (in contact) of either Respondent are counted. If the status of any child is unknown, HwCHILD is set to .M. If there are no children listed in PR_MC for the household and the maximum number of children derived in prior waves is zero, then HwCHILD is set to zero.

From Wave 3 forward, there are also household-level variables that indicate the number of living, resident, and non-resident children. These may or may not agree with the count of children in the PR_MC module. These are checked for reasonability with each other and with the number of children ever born and living at the time of interview. They are also checked for reasonability with HwCHILD derived for other waves, accounting for changes in household composition. If reasonable, these are used to fill HwCHILD when it is missing after the PR_MC counts.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the raw HRS data provide child-level data in a separate module with separate observations for each child, including in-laws. Preprocessing of Wave 1 and 2H data collapses the child-level observations to each Respondent.

In Wave 2A, the AHEAD data provide information about household residents and children in a separate other-persons file. Additionally, in Wave 2A, direct questions about the number of children are asked of the Family Respondent. The question is:

"How many (other) living children or step-children do you [or your husband/wife/partner)] have?"

From Wave 3 forward, the child data needed to derive these variables can be found in the PR_MC module, for the appropriate wave. The PR_MC module includes an observation for each child, regardless of whether the child is a resident or a non-resident, and all other household residents. A status variable indicates whether an individual is a resident or not and whether a child is alive and in contact. There are relationship codes for both the Family and Non-Family Respondent, from which children can be identified. Beginning in Wave 6, spouses of children appear as separate observations in the PR_MC module, and the relationship codes change and becomes more detailed. In all these waves, there are also household level variables that indicate number of living children. These may or may not agree with the count of children in the PR_MC module.

There have been a number of data alerts for the child data for HRS 1992 and 1994. Those posted on the HRS web site as of this writing have been applied to these data.

HRS Variables Used

```
HRS 1992:
    V1201           E18A:OTHER CHILDREN :IMP
    V1202           E19:CHILDREN NOT AT :IMP
    V1203           E20-E32:#CHLDRN NOT :IMP
    V902            E2:KIDS LIVE W/ YOU?
    V903            E2A:KIDS AWAY AT SCHOOL
    V905            E3-E7:SUMMRY:#CHILD HOME
    VNKIDS          HRS W1: # kids
AHEAD 1993:
    B435            D20. # NON-RESIDENT CHILDREN
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    RELATE_F        RELATIONSHIP TO FEMALE R
    RELATE_M        RELATIONSHIP TO MALE R
HRS 1994:
    W8003           RELATIONSHIP TO R
    W8004           CHILD PROBLEM CODE
    WNKIDS          HRS W2: # W2 kids
AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D11             HHMEM REL TO IDNFM
    D506            CS # RES CHILD|505U(1/20)=
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    D508            CS # NR KIDS|507U(1/20)=
    D513            CS # CHILDREN|512U(1/20)=
    D6              HHMEM STATUS W2
    D668            A9.# CHILDREN EVER
    D669            A9A.FERTILITY LIVING
    DHHID           DHHID: AHD 95 Household ID (char7)
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E11             HHMEN REL TO NONFAM R
    E506            CS # RESIDENT CHILDREN
    E508            CS # NON-RESIDENT CHILDREN
    E513            CS # CHILDREN TOTAL
    E6              UPDATED HHMEM STATUS
    E668            A9.# CHILDREN EVER
    E669            A9A.NUMBER OF LIVING CHILDREN
    EHHID           EHHID: HRS 96 Household ID (char7)
HRS 1998:
    F1006           A9.# CHILDREN EVER
    F1007           A9A.FERTILITY LIVING
    F11             HHMEM REL TO IDFM - UPDATED
    F12             HHMEM REL TO IDNFM - UPDATED
    F7              HHMEM STATUS
    F809            CS # RES CHILD
    F811            CS # NR KIDS
    FHHID           FHHID: HRS 98 Household ID (char7)
HRS 2000:
    G1093           A9.# CHILDREN EVER
    G1094           A9A.FERTILITY LIVING
    G11             HHMEM REL TO IDFM - UPDATED
    G12             HHMEM REL TO IDNFM - UPDATED
    G7              HHMEM STATUS - UPDATED
    G886            CS49Y10.CS # RES CHILD
    G888            CS49Y12.CS # NR KIDS
    G893            CS49Y16.CS # CHILDREN
    GHHID           GHHID: HRS 00 Household ID (char7)
HRS 2002:
    HA099           NUMBER OF RESIDENT CHILDREN
    HA100           COUNT OF NONRESIDENT KIDS
    HA101           COUNT OF KIDS - NOT THEIR SPOUSES
    HB033           NUMBER CHILDREN EVER
    HB034           NUMBER LIVING CHILDREN
    HHHID           HHHID: HRS 02 Household ID (char7)
    HX056_MC        RESIDENCY STATUS-UPDATED
    HX061_MC        RELATIONSHIP TO R-UPDATED
    HX063_MC        RELATIONSHIP HHM TO SP - UPDATED
HRS 2004:
    JA099           NUMBER OF RESIDENT CHILDREN
    JA100           COUNT OF NONRESIDENT KIDS
    JA101           COUNT OF KIDS - NOT THEIR SPOUSES
    JB033           NUMBER CHILDREN EVER
    JB034           NUMBER LIVING CHILDREN
    JHHID           JHHID: HRS 04 Household ID (char7)
    JX056_MC        RESIDENCY STATUS-UPDATED
    JX061_MC        RELATIONSHIP TO R-UPDATED
    JX063_MC        RELATIONSHIP HHM TO SP - UPDATED
HRS 2006:
    KA099           NUMBER OF RESIDENT CHILDREN
    KA100           COUNT OF NONRESIDENT KIDS
    KA101           COUNT OF KIDS - NOT THEIR SPOUSES
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    KB033           NUMBER CHILDREN EVER
    KB034           NUMBER LIVING CHILDREN
    KHHID           KHHID: HRS 06 Household ID (char8)
    KX056_MC        RESIDENCY STATUS-UPDATED
    KX061_MC        RELATIONSHIP TO R-UPDATED
    KX063_MC        RELATIONSHIP HHM TO SP - UPDATED
HRS 2008:
    LA099           NUMBER OF RESIDENT CHILDREN
    LA100           COUNT OF NONRESIDENT KIDS
    LA101           COUNT OF KIDS - NOT THEIR SPOUSES
    LB033           NUMBER CHILDREN EVER
    LB034           NUMBER LIVING CHILDREN
    LHHID           LHHID: HRS 08 Household ID (char8)
    LX056_MC        RESIDENCY STATUS-UPDATED
    LX061_MC        RELATIONSHIP TO R-UPDATED
    LX063_MC        RELATIONSHIP HHM TO SP - UPDATED
HRS 2010:
    MA099           NUMBER OF RESIDENT CHILDREN
    MA100           COUNT OF NONRESIDENT KIDS
    MA101           COUNT OF KIDS - NOT THEIR SPOUSES
    MB033           NUMBER CHILDREN EVER
    MB034           NUMBER LIVING CHILDREN
    MHHID           MHHID: HRS 10 Household ID (char8)
    MX056_MC        RESIDENCY STATUS-UPDATED
    MX061_MC        RELATIONSHIP TO R-UPDATED
    MX063_MC        RELATIONSHIP HHM TO SP - UPDATED
HRS 2012:
    NA099           NUMBER OF RESIDENT CHILDREN
    NA100           COUNT OF NONRESIDENT KIDS
    NA101           COUNT OF KIDS - NOT THEIR SPOUSES
    NB033           NUMBER CHILDREN EVER
    NB034           NUMBER LIVING CHILDREN
    NHHID           NHHID: HRS 12 Household ID (char8)
    NX056_MC        RESIDENCY STATUS-UPDATED
    NX061_MC        RELATIONSHIP TO R-UPDATED
    NX063_MC        RELATIONSHIP HHM TO SP - UPDATED
HRS 2014:
    OA099           NUMBER OF RESIDENT CHILDREN
    OA100           COUNT OF NONRESIDENT KIDS
    OA101           COUNT OF KIDS - NOT THEIR SPOUSES
    OB033           NUMBER CHILDREN EVER
    OB034           NUMBER LIVING CHILDREN
    OHHID           OHHID: HRS 14 Household ID (char8)
    OX056_MC        RESIDENCY STATUS-UPDATED
    OX061_MC        RELATIONSHIP TO R-UPDATED
    OX063_MC        RELATIONSHIP HHM TO SP - UPDATED
Tracker:
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    CSUBHH          1994 SUB-HOUSEHOLD IDENTIFIER
    HHID            HOUSEHOLD IDENTIFIER
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Number of living siblings

Wave	Variable	Label	Type
1	R1LIVBRO	R1LIVBRO:W1 Number of living brothers	Cont
2	R2LIVBRO	R2LIVBRO:W2 Number of living brothers	Cont
3	R3LIVBRO	R3LIVBRO:W3 Number of living brothers	Cont
4	R4LIVBRO	R4LIVBRO:W4 Number of living brothers	Cont
5	R5LIVBRO	R5LIVBRO:W5 Number of living brothers	Cont
6	R6LIVBRO	R6LIVBRO:W6 Number of living brothers	Cont
7	R7LIVBRO	R7LIVBRO:W7 Number of living brothers	Cont
8	R8LIVBRO	R8LIVBRO:W8 Number of living brothers	Cont
9	R9LIVBRO	R9LIVBRO:W9 Number of living brothers	Cont
10	R10LIVBRO	R10LIVBRO:W10 Number of living brothers	Cont
11	R11LIVBRO	R11LIVBRO:W11 Number of living brothers	Cont
12	R12LIVBRO	R12LIVBRO:W12 Number of living brothers	Cont
1	S1LIVBRO	S1LIVBRO:W1 Number of living brothers	Cont
2	S2LIVBRO	S2LIVBRO:W2 Number of living brothers	Cont
3	S3LIVBRO	S3LIVBRO:W3 Number of living brothers	Cont
4	S4LIVBRO	S4LIVBRO:W4 Number of living brothers	Cont
5	S5LIVBRO	S5LIVBRO:W5 Number of living brothers	Cont
6	S6LIVBRO	S6LIVBRO:W6 Number of living brothers	Cont
7	S7LIVBRO	S7LIVBRO:W7 Number of living brothers	Cont
8	S8LIVBRO	S8LIVBRO:W8 Number of living brothers	Cont
9	S9LIVBRO	S9LIVBRO:W9 Number of living brothers	Cont
10	S10LIVBRO	S10LIVBRO:W10 Number of living brothers	Cont
11	S11LIVBRO	S11LIVBRO:W11 Number of living brothers	Cont
12	S12LIVBRO	S12LIVBRO:W12 Number of living brothers	Cont
1	R1LIVSIS	R1LIVSIS:W1 Number of living sisters	Cont
2	R2LIVSIS	R2LIVSIS:W2 Number of living sisters	Cont
3	R3LIVSIS	R3LIVSIS:W3 Number of living sisters	Cont
4	R4LIVSIS	R4LIVSIS:W4 Number of living sisters	Cont
5	R5LIVSIS	R5LIVSIS:W5 Number of living sisters	Cont
6	R6LIVSIS	R6LIVSIS:W6 Number of living sisters	Cont
7	R7LIVSIS	R7LIVSIS:W7 Number of living sisters	Cont
8	R8LIVSIS	R8LIVSIS:W8 Number of living sisters	Cont
9	R9LIVSIS	R9LIVSIS:W9 Number of living sisters	Cont
10	R10LIVSIS	R10LIVSIS:W10 Number of living sisters	Cont
11	R11LIVSIS	R11LIVSIS:W11 Number of living sisters	Cont
12	R12LIVSIS	R12LIVSIS:W12 Number of living sisters	Cont
1	S1LIVSIS	S1LIVSIS:W1 Number of living sisters	Cont
2	S2LIVSIS	S2LIVSIS:W2 Number of living sisters	Cont
3	S3LIVSIS	S3LIVSIS:W3 Number of living sisters	Cont
4	S4LIVSIS	S4LIVSIS:W4 Number of living sisters	Cont
5	S5LIVSIS	S5LIVSIS:W5 Number of living sisters	Cont
6	S6LIVSIS	S6LIVSIS:W6 Number of living sisters	Cont
7	S7LIVSIS	S7LIVSIS:W7 Number of living sisters	Cont
8	S8LIVSIS	S8LIVSIS:W8 Number of living sisters	Cont
9	S9LIVSIS	S9LIVSIS:W9 Number of living sisters	Cont
10	S10LIVSIS	S10LIVSIS:W10 Number of living sisters	Cont
11	S11LIVSIS	S11LIVSIS:W11 Number of living sisters	Cont
12	S12LIVSIS	S12LIVSIS:W12 Number of living sisters	Cont
1	R1LIVSIB	R1LIVSIB:W1 Number of living siblings	Cont
2	R2LIVSIB	R2LIVSIB:W2 Number of living siblings	Cont
3	R3LIVSIB	R3LIVSIB:W3 Number of living siblings	Cont
4	R4LIVSIB	R4LIVSIB:W4 Number of living siblings	Cont
5	R5LIVSIB	R5LIVSIB:W5 Number of living siblings	Cont
6	R6LIVSIB	R6LIVSIB:W6 Number of living siblings	Cont
7	R7LIVSIB	R7LIVSIB:W7 Number of living siblings	Cont
8	R8LIVSIB	R8LIVSIB:W8 Number of living siblings	Cont
9	R9LIVSIB	R9LIVSIB:W9 Number of living siblings	Cont
10	R10LIVSIB	R10LIVSIB:W10 Number of living siblings	Cont
11	R11LIVSIB	R11LIVSIB:W11 Number of living siblings	Cont
12	R12LIVSIB	R12LIVSIB:W12 Number of living siblings	Cont
1	S1LIVSIB	S1LIVSIB:W1 Number of living siblings	Cont

2	S2LIVSIB	S2LIVSIB:W2 Number of living siblings	Cont
3	S3LIVSIB	S3LIVSIB:W3 Number of living siblings	Cont
4	S4LIVSIB	S4LIVSIB:W4 Number of living siblings	Cont
5	S5LIVSIB	S5LIVSIB:W5 Number of living siblings	Cont
6	S6LIVSIB	S6LIVSIB:W6 Number of living siblings	Cont
7	S7LIVSIB	S7LIVSIB:W7 Number of living siblings	Cont
8	S8LIVSIB	S8LIVSIB:W8 Number of living siblings	Cont
9	S9LIVSIB	S9LIVSIB:W9 Number of living siblings	Cont
10	S10LIVSIB	S10LIVSIB:W10 Number of living siblings	Cont
11	S11LIVSIB	S11LIVSIB:W11 Number of living siblings	Cont
12	S12LIVSIB	S12LIVSIB:W12 Number of living siblings	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIVBRO	11941	1.45	1.49	0.0	13.0
R2LIVBRO	19247	1.21	1.39	0.0	12.0
R3LIVBRO	17949	1.19	1.38	0.0	13.0
R4LIVBRO	21202	1.19	1.39	0.0	14.0
R5LIVBRO	19521	1.20	1.39	0.0	12.0
R6LIVBRO	18136	1.19	1.39	0.0	14.0
R7LIVBRO	20108	1.25	1.41	0.0	12.0
R8LIVBRO	18464	1.22	1.41	0.0	14.0
R9LIVBRO	17211	1.23	1.41	0.0	14.0
R10LIVBRO	22006	1.45	1.53	0.0	14.0
R11LIVBRO	20539	1.47	1.54	0.0	14.0
R12LIVBRO	18218	1.49	1.56	0.0	14.0
S1LIVBRO	9361	1.43	1.48	0.0	13.0
S2LIVBRO	13003	1.27	1.39	0.0	12.0
S3LIVBRO	12237	1.26	1.40	0.0	11.0
S4LIVBRO	14242	1.23	1.40	0.0	13.0
S5LIVBRO	12967	1.27	1.40	0.0	12.0
S6LIVBRO	11787	1.26	1.41	0.0	14.0
S7LIVBRO	13238	1.30	1.42	0.0	12.0
S8LIVBRO	11939	1.28	1.42	0.0	14.0
S9LIVBRO	10885	1.28	1.42	0.0	12.0
S10LIVBRO	13958	1.44	1.51	0.0	14.0
S11LIVBRO	12831	1.47	1.53	0.0	14.0
S12LIVBRO	11245	1.45	1.55	0.0	14.0
R1LIVSIS	11941	1.58	1.60	0.0	11.0
R2LIVSIS	19234	1.42	1.51	0.0	11.0
R3LIVSIS	17946	1.39	1.49	0.0	11.0
R4LIVSIS	21152	1.38	1.49	0.0	14.0
R5LIVSIS	19523	1.39	1.48	0.0	14.0
R6LIVSIS	18131	1.38	1.50	0.0	14.0
R7LIVSIS	20109	1.42	1.52	0.0	12.0
R8LIVSIS	18465	1.40	1.51	0.0	15.0
R9LIVSIS	17213	1.41	1.52	0.0	15.0
R10LIVSIS	22004	1.61	1.63	0.0	15.0
R11LIVSIS	20540	1.63	1.64	0.0	15.0
R12LIVSIS	18233	1.65	1.66	0.0	15.0
S1LIVSIS	9361	1.56	1.59	0.0	11.0
S2LIVSIS	13010	1.46	1.51	0.0	11.0
S3LIVSIS	12225	1.43	1.51	0.0	11.0

S4LIVSIS	14176	1.39	1.51	0.0	14.0
S5LIVSIS	12970	1.42	1.50	0.0	11.0
S6LIVSIS	11794	1.42	1.52	0.0	14.0
S7LIVSIS	13239	1.43	1.52	0.0	12.0
S8LIVSIS	11947	1.43	1.51	0.0	14.0
S9LIVSIS	10885	1.42	1.53	0.0	15.0
S10LIVSIS	13954	1.58	1.61	0.0	15.0
S11LIVSIS	12826	1.61	1.62	0.0	15.0
S12LIVSIS	11246	1.57	1.63	0.0	15.0
R1LIVSIB	11940	3.02	2.51	0.0	19.0
R2LIVSIB	19193	2.63	2.37	0.0	17.0
R3LIVSIB	17935	2.58	2.35	0.0	17.0
R4LIVSIB	21111	2.58	2.36	0.0	23.0
R5LIVSIB	19504	2.59	2.35	0.0	20.0
R6LIVSIB	18115	2.57	2.37	0.0	21.0
R7LIVSIB	20103	2.67	2.40	0.0	18.0
R8LIVSIB	18463	2.62	2.39	0.0	20.0
R9LIVSIB	17210	2.64	2.40	0.0	20.0
R10LIVSIB	22001	3.05	2.59	0.0	21.0
R11LIVSIB	20536	3.10	2.60	0.0	21.0
R12LIVSIB	18121	3.15	2.64	0.0	21.0
S1LIVSIB	9360	2.99	2.49	0.0	19.0
S2LIVSIB	12935	2.73	2.37	0.0	17.0
S3LIVSIB	12219	2.69	2.37	0.0	17.0
S4LIVSIB	14118	2.64	2.37	0.0	18.0
S5LIVSIB	12953	2.69	2.35	0.0	20.0
S6LIVSIB	11780	2.68	2.38	0.0	21.0
S7LIVSIB	13224	2.73	2.39	0.0	18.0
S8LIVSIB	11928	2.71	2.37	0.0	19.0
S9LIVSIB	10869	2.70	2.40	0.0	20.0
S10LIVSIB	13938	3.02	2.57	0.0	20.0
S11LIVSIB	12802	3.08	2.59	0.0	20.0
S12LIVSIB	11187	3.04	2.63	0.0	20.0

How Constructed

RwLIVBRO and RwLIVSIS count the number of the Respondent's living brothers and sisters, respectively. RwLIVSIB is the number of the Respondent's living siblings, or the sum of RwLIVBRO and RwLIVSIS. SwLIVBRO, SwLIVSIS, and SwLIVSIB are the number of the spouse's brothers, sisters, and siblings, respectively.

In Waves 1, 2H, and from 3H forward, the number of living sisters and brothers are counted by checking status and relationship codes at each wave. In Waves 2A and 3A, these counts are taken from direct questions. One's own siblings are counted and assigned to RwLIVSIS and RwLIVBRO, and siblings-in-law are counted and assigned to SwLIVSIS and SwLIVBRO. RwLIVSIB is the sum of RwLIVSIS and RwLIVBRO, and SwLIVSIB is the sum of SwLIVSIS and SwLIVBRO.

In Wave 1, there is also a question about total number of siblings that is used to fill RwLIVSIB and SwLIVSIB directly. If these are missing, the counts are used when available.

In Waves 1, 2H, 3H, 4 and 5, these data are provided by the Family Respondent. The relationship codes or variables are appropriately swapped before counting if the Respondent is not the Family Respondent. From Wave 6 forward,

information on individual siblings is collected from individual Respondents.

In Waves 2A and 3A, individual Respondents are asked how many living sisters and brothers they have. In Wave 3A, Respondents are also asked how many of these sisters or brothers are step-siblings. These step-siblings are subtracted from the total number of living siblings to be compatible with other waves where step-siblings are specifically omitted.

If both parents are deceased, sibling data are not always collected unless parents were alive in a prior wave. In Wave 3H and from Wave 4 forward, if both parents are deceased, a question asks for the number of living brothers and sisters. In some cases, both a count from the sibling roster and the direct answer to this question are available and are not always the same. These derived variables use the answer to the direct question if it is available, and the number counted from the roster if it is not. Before Wave 6, the direct question is asked of the Family Respondent. From Wave 6 forward, the direct question is asked of individuals; for these waves the spouse's responses are used to provide the direct question information for siblings-in-law.

Because so many values are missing when only one wave is used, the counts are carried forward and back to help fill missing values in other waves. This filling is done for sisters and brothers separately. Counts of zero are carried forward to fill missing values in later waves, where questions may have been skipped based on no report of living siblings at a previous wave. Any non-missing count (including zero) is carried backward to fill missing values at prior waves. This may undercount living siblings, as there may have been more living at a prior wave, but it should at least give an approximation better than no value at all. When carrying back sibling counts for in-laws, checks are done to ensure that the spouse is the same spouse as in the source year.

The total number of siblings in RwLIVSIB and SwLIVSIB is calculated from the sister and brother counts after this filling is done. If either RwLIVSIS or RwLIVBRO is missing then RwLIVSIB is missing.

Cross Wave Differences in Original HRS Data

Information about siblings is reported in the Family Section for each wave before Wave 6. In couple households, the designated Family Respondent answers most questions about siblings, including in-laws. In Waves 2A, 3A, and from Wave 6 forward, each individual in a couple household is asked about siblings.

In Waves 1 and 2H, the raw HRS data provide sibling data in a separate module for each with separate observations for each sibling, including in-laws. Preprocessing of Wave 1 and 2H data collapses the sibling-level observations to each Respondent. When necessary, the process takes into account whether the Respondent is the Family Respondent. In Wave 2H, a status code for each sibling is provided that indicates if the sibling has died or should not have been on the list.

In Waves 2A and 3A, the AHEAD data provide information about siblings among Respondent-level data. In Wave 2A, the questions about numbers of living sisters and brothers does not include text specifically omitting step-siblings or relationship codes that distinguish between full-/half- and step-siblings. In Wave 3A, follow-up questions ask if any of the living brothers and sisters are step-siblings.

In Waves 3H, 4, and 5, the sibling data needed to derive these variables can be found in the household-level Family Section, and in the PR_SB module, which has one observation for each sibling-household combination. In these waves, a direct question about living siblings is asked of the Family Respondent.

From Wave 6 forward, sibling information is asked of all individuals. The PR_SB has one observation for each Respondent-sibling combination. A direct question asks about living siblings in these waves, which is also asked of all individuals. In Wave 7, the PR_MC module did not include the Respondent ID, so these siblings are matched to Respondents by sub-household ID (JHHID) and Family Respondent status (JFAMR).

On PR_MC modules, relationship codes indicate if the sibling is a sister or brother, own or in-law.

There have been a number of data alerts for the sibling data. Those posted on the HRS web site as of this writing have been applied to these data.

HRS Variables Used

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HRS 1992:
    V1701           E68:R LIVNG SIBLINGS:IMP
    V1702           E69-E80:#BROS OR SIS:IMP
    V2201           E111:H/P LIVING SIB :IMP
    V2202           E112-E115:#HUSB/PRTN:IMP
    V8101           SIBS:SIB OF R OR H/P?
    V8104           SIBS:SEX            :IMP
AHEAD 1993:
    B559            D58. # SISTERS LIVING
    B562            D59. # BROTHERS LIVING
    BPHHIDPN        AHD W1: Spouse HHIDPN
HRS 1994:
    SIBCODE         Sibling or sibling-in-law flag
    W8101           E76/176. Relationship to R/Sp
    W8103           Sibling problem code
AHEAD 1995:
    D1601           D81.# SISTERS
    D1604           D81C.STEPSISTER
    D1605           D81D.STEPSISTERS
    D1607           D82.# BROTHERS
    D1610           D82D.STEPBROTHER
    D1611           D82D.STEPBROTHERS
    DPHHIDPN        AHD95 Spouse HHIDPN
HRS 1996:
    E159            SIB REL TO R
    E159A           SIB OR SIB-IN-LAW
    E93             UPDATED SIB STATUS
    EHHID           EHHID: HRS 96 Household ID (char7)
    EPHHIDPN        HRS W3: Spouse HHIDPN
    ER1627_1        D81.# SISTERS/Self
    ER1627_2        D81.# SISTERS-IN-LAW/Self
    ER1631_1        D82.# BROTHERS/Self
    ER1631_2        D82.# BROTHERS-IN-LAW/Self
HRS 1998:
    F137            SIB STATUS
    F141            SIB REL TO FAMILY R - UPDATED
    F1972           D130A.# SISTERS
    F1975           D130D.# BROTHERS
    F2134           D130A-2.# SISTERS-IN-LAW
    F2137           D130D-2.# BROTHERS-IN-LAW
    F597            SAME SPOUSE AS LAST WAVE
    FHHID           FHHID: HRS 98 Household ID (char7)
    FPN_FAM         1998 FAMILY RESP PERSON NUMBER
    FPN_NFAM        1998 NON-FAMILY RESP PERSON NUMBER
HRS 2000:
    G137            SIB STATUS - UPDATED
    G141            SIB REL TO FAMILY R - UPDATED
    G2198           D130A.# SISTERS
    G2201           D130D.# BROTHERS
    G2385           D130A-2.# SISTERS-IN-LAW
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    G2388           D130D-2.# BROTHERS-IN-LAW
    G658            CS15Y63.SAME SPOUSE AS LAST WAVE
    GHHID           GHHID: HRS 00 Household ID (char7)
    GPN_FAM         2000 FAMILY RESP PERSON NUMBER
    GPN_NFAM        2000 NON-FAMILY RESP PERSON NUMBER
HRS 2002:
    HF073           NUMBER LIVING SISTERS
    HF076           NUMBER LIVING BROTHERS
    HPHHIDPN        HRS 02: HHIDPN of spouse/partner
    HX056_SB        RESIDENCY STATUS - SIBLING-UPDATED
    HX061_SB        RELATIONSHIP TO R - SIBLING-UPDATED
    HX063_SB        RELATIONSHIP SIB TO SP - UPDATED
HRS 2004:
    JF073           NUMBER LIVING SISTERS
    JF076           NUMBER LIVING BROTHERS
    JFAMR           2004 WHETHER FAMILY RESPONDENT
    JHHID           JHHID: HRS 04 Household ID (char7)
    JPHHIDPN        HRS 04: HHIDPN of spouse/partner
    JX056_SB        RESIDENCY STATUS - SIBLING-UPDATED
    JX061_SB        RELATIONSHIP TO R - SIBLING-UPDATED
    JX063_SB        RELATIONSHIP SIB TO SP - UPDATED
HRS 2006:
    KF073           NUMBER LIVING SISTERS
    KF076           NUMBER LIVING BROTHERS
    KPHHIDPN        HRS 06: HHIDPN of spouse/partner
    KX056_SB        RESIDENCY STATUS - SIBLING-UPDATED
    KX061_SB        RELATIONSHIP TO R - SIBLING-UPDATED
    KX063_SB        RELATIONSHIP SIB TO SP - UPDATED
HRS 2008:
    LF073           NUMBER LIVING SISTERS
    LF076           NUMBER LIVING BROTHERS
    LPHHIDPN        HRS 06: HHIDPN of spouse/partner
    LX056_SB        RESIDENCY STATUS - SIBLING-UPDATED
    LX061_SB        RELATIONSHIP TO R - SIBLING-UPDATED
    LX063_SB        RELATIONSHIP SIB TO SP - UPDATED
HRS 2010:
    MF073           NUMBER LIVING SISTERS
    MF076           NUMBER LIVING BROTHERS
    MPHHIDPN        HRS 10: HHIDPN of spouse/partner
    MZ249           RESIDENCY STATUS - SIBLING
    MZ251           RELATIONSHIP TO R
HRS 2012:
    NF073           NUMBER LIVING SISTERS
    NF076           NUMBER LIVING BROTHERS
    NPHHIDPN        HRS 12: HHIDPN of spouse/partner
    NZ249           RESIDENCY STATUS - SIBLING
    NZ251           RELATIONSHIP TO R
HRS 2014:
    OF073           NUMBER LIVING SISTERS
    OF076           NUMBER LIVING BROTHERS
    OPHHIDPN        HRS 14: HHIDPN of spouse/partner
    OZ249           RESIDENCY STATUS - SIBLING
    OZ251           RELATIONSHIP TO R
Tracker:
    AFAMR           1992 WHETHER FAMILY RESPONDENT
    CFAMR           1994 WHETHER FAMILY RESPONDENT
    EFAMR           1996 WHETHER FAMILY RESPONDENT
    FFAMR           1998 WHETHER FAMILY RESPONDENT
    GFAMR           2000 WHETHER FAMILY RESPONDENT
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HFAMR           2002 WHETHER FAMILY RESPONDENT
JFAMR           2004 WHETHER FAMILY RESPONDENT
KFAMR           2006 WHETHER FAMILY RESPONDENT
LFAMR           2008 WHETHER FAMILY RESPONDENT
MFAMR           2010 WHETHER FAMILY RESPONDENT
NFAMR           2012 WHETHER FAMILY RESPONDENT
OFAMR           2014 WHETHER FAMILY RESPONDENT
```

Number of children ever born

Wave	Variable	Label	Type
1	RAEVBRN	RAEVBRN: Number of Children Ever Born	Cont
1	S1EVBRN	S1EVBRN: Number of Children Ever Born	Cont
2	S2EVBRN	S2EVBRN: Number of Children Ever Born	Cont
3	S3EVBRN	S3EVBRN: Number of Children Ever Born	Cont
4	S4EVBRN	S4EVBRN: Number of Children Ever Born	Cont
5	S5EVBRN	S5EVBRN: Number of Children Ever Born	Cont
6	S6EVBRN	S6EVBRN: Number of Children Ever Born	Cont
7	S7EVBRN	S7EVBRN: Number of Children Ever Born	Cont
8	S8EVBRN	S8EVBRN: Number of Children Ever Born	Cont
9	S9EVBRN	S9EVBRN: Number of Children Ever Born	Cont
10	S10EVBRN	S10EVBRN: Number of Children Ever Born	Cont
11	S11EVBRN	S11EVBRN: Number of Children Ever Born	Cont
12	S12EVBRN	S12EVBRN: Number of Children Ever Born	Cont
1	RAEVBRNF	RAEVBRNF: Flag when R responds in 1993 and 1995	Categ
1	S1EVBRNF	S1EVBRNF: Flag when S responds in 1993 and 1995	Categ
2	S2EVBRNF	S2EVBRNF: Flag when S responds in 1993 and 1995	Categ
3	S3EVBRNF	S3EVBRNF: Flag when S responds in 1993 and 1995	Categ
4	S4EVBRNF	S4EVBRNF: Flag when S responds in 1993 and 1995	Categ
5	S5EVBRNF	S5EVBRNF: Flag when S responds in 1993 and 1995	Categ
6	S6EVBRNF	S6EVBRNF: Flag when S responds in 1993 and 1995	Categ
7	S7EVBRNF	S7EVBRNF: Flag when S responds in 1993 and 1995	Categ
8	S8EVBRNF	S8EVBRNF: Flag when S responds in 1993 and 1995	Categ
9	S9EVBRNF	S9EVBRNF: Flag when S responds in 1993 and 1995	Categ
10	S10EVBRNF	S10EVBRNF: Flag when S responds in 1993 and 1995	Categ
11	S11EVBRNF	S11EVBRNF: Flag when S responds in 1993 and 1995	Categ
12	S12EVBRNF	S12EVBRNF: Flag when S responds in 1993 and 1995	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEVBRN	36015	2.71	2.07	0.0	35.0
S1EVBRN	9133	3.04	2.00	0.0	35.0
S2EVBRN	12933	2.94	2.05	0.0	35.0
S3EVBRN	12121	2.93	2.00	0.0	20.0
S4EVBRN	14242	2.89	1.96	0.0	20.0
S5EVBRN	12859	2.91	1.94	0.0	20.0
S6EVBRN	11697	2.91	1.93	0.0	20.0
S7EVBRN	13165	2.80	1.86	0.0	20.0
S8EVBRN	11906	2.77	1.82	0.0	20.0
S9EVBRN	10876	2.75	1.81	0.0	20.0
S10EVBRN	13891	2.64	1.77	0.0	20.0
S11EVBRN	12810	2.63	1.77	0.0	20.0
S12EVBRN	11366	2.60	1.74	0.0	20.0
RAEVBRNF	19252	0.40	0.59	0.0	3.0
S1EVBRNF	8733	0.01	0.14	0.0	3.0
S2EVBRNF	12638	0.33	0.55	0.0	3.0
S3EVBRNF	11930	0.33	0.55	0.0	3.0
S4EVBRNF	10366	0.28	0.52	0.0	3.0
S5EVBRNF	9134	0.25	0.49	0.0	3.0
S6EVBRNF	8069	0.20	0.46	0.0	3.0

S7EVBRNF	7242	0.17	0.41	0.0	3.0
S8EVBRNF	6370	0.13	0.37	0.0	3.0
S9EVBRNF	5661	0.11	0.34	0.0	3.0
S10EVBRNF	4838	0.07	0.29	0.0	3.0
S11EVBRNF	4236	0.05	0.25	0.0	3.0
S12EVBRNF	3483	0.04	0.20	0.0	3.0

Categorical Variable Codes

Value	RAEVBRNF
.S=No children reported in	16763
0.One Response	12304
1.Children reported in 1993	6373
2.More children reported in	336
3.More children reported in	239

Value	S1EVBRNF	S2EVBRNF	S3EVBRNF	S4EVBRNF	S5EVBRNF	S6EVBRNF	S7EVBRNF
.M=Missing	1002	491	6	89	81	79	46
.S=No children reported in	400	295	191	3876	3725	3628	5923
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	144	248	206	184	101	83	141
0.One Response	8640	8828	8389	7678	7078	6555	6118
1.Children reported in 1993	77	3534	3287	2512	1927	1422	1061
2.More children reported in	10	156	141	99	70	47	36
3.More children reported in	6	120	113	77	59	45	27

Value	S8EVBRNF	S9EVBRNF	S10EVBRNF	S11EVBRNF	S12EVBRNF
.M=Missing	34	13	17	19	17
.S=No children reported in	5536	5215	9053	8574	7883
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	112	122	327	251	242
0.One Response	5580	5113	4522	4038	3369
1.Children reported in 1993	747	514	296	186	109
2.More children reported in	25	18	8	5	1
3.More children reported in	18	16	12	7	4

Format Reference Tables – complete variable value labels

```
_____________________________________________
Variables: EVBRNF
---------------------------------------------
.M=Missing
.S=No children reported in 1993 or 1995
.U=Unmarried
.V=Spouse NR
0.One Response
1.Children reported in 1993=1995
2.More children reported in 1993
3.More children reported in 1995
```

How Constructed

RAEVBRN provides the number of children ever born to the Respondent. Number of children ever born is usually only asked once and does not include step-children, adoptions or miscarriages. Some Respondents were asked this question in both AHEAD 1993 and AHEAD 1995. For these cases we use the response in AHEAD 1995 because the question wording is the same as subsequent waves.

In AHEAD 1993 the question is "How many children have you ever had? Please don't count adopted or step-children for this question." From AHEAD 1995 on, the question is "How many children have (you fathered/you given birth to)? Please don't count miscarriages or still-births, or adopted or step-children for this question."

RAEVBRNF is a flag that identifies the Respondents that were asked this question in both AHEAD 1993 and AHEAD 1995. If RAEVBRNF = 0 then the Respondent answered in either 1993 or 1995, but not both. If RAEVBRNF = 1 then the number of children the Respondent reports in AHEAD 1993 matches the number of children they report in AHEAD 1995. If RAEVBRNF = 2 then the Respondent reported having more children in AHEAD 1993. If RAEVBRNF = 3 then the Respondent reported having more children in AHEAD 1995. And finally, if RAEVBRNF = .S then the Respondent was not in either the AHEAD 1993 or AHEAD 1995 waves.

The spouse variables SwEVBRN and SwEVBRNF are taken from the Wave "w" spouse's RAEVBRN and RAEVBRNF variables.

Cross Wave Differences in Original HRS Data

This question is not asked in Wave 1 or 2H. In Wave 2A, the question asks "How many children have you ever had? Please don't count adopted or step-children for this question."

From Wave 3A and 3H on, the question asks "How many children have (you fathered/you given birth to)? Please don't count miscarriages or still-births, or adopted or step-children for this question."

For those that are asked this question in both Wave 2A and Wave 3A, we use the answer given in Wave 3A because the question wording is the same as subsequent waves.

HRS Variables Used

```
AHEAD 1993:
    B145            A9. # CHILDREN EVER HAD
AHEAD 1995:
    D668            A9.# CHILDREN EVER
HRS 1996:
    E668            A9.# CHILDREN EVER
HRS 1998:
```

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    F1006           A9.# CHILDREN EVER
HRS 2000:
    G1093           A9.# CHILDREN EVER
HRS 2002:
    HB033           NUMBER CHILDREN EVER
HRS 2004:
    JB033           NUMBER CHILDREN EVER
HRS 2006:
    KB033           NUMBER CHILDREN EVER
HRS 2008:
    LB033           NUMBER CHILDREN EVER
HRS 2010:
    MB033           NUMBER CHILDREN EVER
HRS 2012:
    NB033           NUMBER CHILDREN EVER
HRS 2014:
    OB033           NUMBER CHILDREN EVER
```

Section I: Retirement Plans, Expectations

Whether retired: Consider self retired

Wave	Variable	Label	Type
1	R1SAYRET	R1SAYRET:W1 R considers self retired	Categ
2	R2SAYRET	R2SAYRET:W2 R considers self retired	Categ
3	R3SAYRET	R3SAYRET:W3 R considers self retired	Categ
4	R4SAYRET	R4SAYRET:W4 R considers self retired	Categ
5	R5SAYRET	R5SAYRET:W5 R considers self retired	Categ
6	R6SAYRET	R6SAYRET:W6 R considers self retired	Categ
7	R7SAYRET	R7SAYRET:W7 R considers self retired	Categ
8	R8SAYRET	R8SAYRET:W8 R considers self retired	Categ
9	R9SAYRET	R9SAYRET:W9 R considers self retired	Categ
10	R10SAYRET	R10SAYRET:W10 R considers self retired	Categ
11	R11SAYRET	R11SAYRET:W11 R considers self retired	Categ
12	R12SAYRET	R12SAYRET:W12 R considers self retired	Categ
1	S1SAYRET	S1SAYRET:W1 S considers self retired	Categ
2	S2SAYRET	S2SAYRET:W2 S considers self retired	Categ
3	S3SAYRET	S3SAYRET:W3 S considers self retired	Categ
4	S4SAYRET	S4SAYRET:W4 S considers self retired	Categ
5	S5SAYRET	S5SAYRET:W5 S considers self retired	Categ
6	S6SAYRET	S6SAYRET:W6 S considers self retired	Categ
7	S7SAYRET	S7SAYRET:W7 S considers self retired	Categ
8	S8SAYRET	S8SAYRET:W8 S considers self retired	Categ
9	S9SAYRET	S9SAYRET:W9 S considers self retired	Categ
10	S10SAYRET	S10SAYRET:W10 S considers self retired	Categ
11	S11SAYRET	S11SAYRET:W11 S considers self retired	Categ
12	S12SAYRET	S12SAYRET:W12 S considers self retired	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SAYRET	12019	0.60	1.00	0.0	3.0
R2SAYRET	10672	0.64	0.95	0.0	3.0
R3SAYRET	13402	0.96	1.02	0.0	3.0
R4SAYRET	20720	1.26	1.14	0.0	3.0
R5SAYRET	18557	1.24	1.09	0.0	3.0
R6SAYRET	15888	1.18	1.02	0.0	3.0
R7SAYRET	19219	1.03	0.96	0.0	3.0
R8SAYRET	17916	1.07	0.94	0.0	3.0
R9SAYRET	16742	1.07	0.91	0.0	3.0
R10SAYRET	21216	0.83	0.82	0.0	3.0
R11SAYRET	20042	0.84	0.79	0.0	3.0
R12SAYRET	18270	0.85	0.74	0.0	3.0
S1SAYRET	9297	0.60	1.00	0.0	3.0
S2SAYRET	8068	0.62	0.93	0.0	3.0
S3SAYRET	9762	0.95	1.01	0.0	3.0
S4SAYRET	13384	1.18	1.13	0.0	3.0
S5SAYRET	12123	1.17	1.08	0.0	3.0
S6SAYRET	10196	1.13	1.02	0.0	3.0
S7SAYRET	12184	0.97	0.95	0.0	3.0
S8SAYRET	11251	1.00	0.93	0.0	3.0
S9SAYRET	10263	1.02	0.91	0.0	3.0
S10SAYRET	12895	0.78	0.83	0.0	3.0
S11SAYRET	12095	0.79	0.80	0.0	3.0
S12SAYRET	10671	0.80	0.76	0.0	3.0

Categorical Variable Codes

Value	R1SAYRET	R2SAYRET	R3SAYRET	R4SAYRET	R5SAYRET	R6SAYRET	R7SAYRET
.A=may be completely retire			3213				
.D=DK		6	5	8	14	17	22
.M=Oth missing		15	53	38	153	219	13
.Q=Not asked this wv		8222					
.R=RF		2	3	8	6	5	11
.S=Skip, proxy IW	633	725	1315	610	849	2036	864
0.Not retired	8142	6593	5509	6527	5362	4344	6138
1.Completely retired	1804	2215	4599	7292	7375	7049	8654
2.Partly retired	813	1024	1597	1887	1797	1708	2052
3.Question irrelevant	1260	840	1697	5014	4023	2787	2375

Value	R8SAYRET	R9SAYRET	R10SAYRET	R11SAYRET	R12SAYRET
.D=DK	25	13	42	75	70
.M=Oth missing	10	12	216	36	37
.R=RF	2	4	25	11	15
.S=Skip, proxy IW	516	446	535	390	356
0.Not retired	5103	4444	8220	7242	6066
1.Completely retired	8712	8501	9478	9554	9405
2.Partly retired	1905	1897	2476	2435	2320
3.Question irrelevant	2196	1900	1042	811	479

Value	S1SAYRET	S2SAYRET	S3SAYRET	S4SAYRET	S5SAYRET	S6SAYRET	S7SAYRET
.A=may be completely retire			1307				
.D=DK		3	3	5	11	8	14
.M=Oth missing		2	14	4	25	73	2
.Q=Not asked this wv		4549					
.R=RF		1		1	2	3	7
.S=Skip, proxy IW	603	665	829	584	569	1359	765
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
0.Not retired	6254	5009	4089	4743	3913	3135	4378
1.Completely retired	1427	1690	3285	4410	4608	4248	5083
2.Partly retired	671	790	1196	1366	1284	1209	1435
3.Question irrelevant	945	579	1192	2865	2318	1604	1288

Value	S8SAYRET	S9SAYRET	S10SAYRET	S11SAYRET	S12SAYRET
.D=DK	10	5	22	46	33
.M=Oth missing	2	3	128	7	12
.R=RF	1		12	1	9
.S=Skip, proxy IW	471	375	456	339	306
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Not retired	3695	3153	5536	4950	4097
1.Completely retired	5083	4803	5215	5203	4912
2.Partly retired	1286	1290	1569	1486	1398
3.Question irrelevant	1187	1017	575	456	264

How Constructed

There are at least 2 places in every wave where Respondent could report being retired. See also "Whether retired, Retired employment status" (RwRETEMP).

RwSAYRET is derived from the question: At this time do you consider yourself to be completely retired, partly retired, or not retired at all? RwSAYRET recodes this variable to 0 for not retired, 1 for completely retired, 2 for partly retired, 3 for irrelevant, and for missing values. For proxy interviews, it is set to SAS special missing code .S to indicate that the question was skipped.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwSAYRET.

In Wave 2A, there are no questions that ask the Respondent whether he/she considers himself retired. If the Wave 2A interview is by proxy, R2SAYRET is set to .S; otherwise it is set to .Q to indicate that no information was collected for AHEAD Respondents in this wave.

See also Labor Force Status (RwLBRF and SwLBRF) under Employment.

Cross Wave Differences in Original HRS Data

The question in all waves is "At this time do you consider yourself completely retired, partly retired, or not retired at all?" In Wave 1, this question is asked in the Section K: Retirement expectations. From Wave 2H forward it is asked in the Employment section, just after questions on retirement plans ("Do you plan to stop working or reduce work hours at a particular date or age, have you not given it much thought, or what?") if Respondent is working, and after questions about the search for work if Respondent is unemployed.

One of the coded answers for this question is "Irrelevant". In Wave 1, and in Wave 2H for the self-employed and unemployed, "irrelevant" is defined as "doesn't work for pay or is homemaker; hasn't worked for 10 or more years." In Wave 2H for those employed but not self-employed, and in Waves 3H and 4, it is defined as "doesn't work for pay or is homemaker; hasn't worked for 1 or more years." From Wave 5 on it is defined just as "doesn't work for pay or is homemaker." These differences may influence the number of Respondents for whom "irrelevant" was coded.

In Wave 2A, this question is not asked at all. In Wave 3A the question is asked in the Employment section, and many cases skip the entire section because they do not work now and have not for the past 2 years. These cases are coded as .A (may be completely retired). There is no definition for the irrelevant code.

HRS Variables Used

```
HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
HRS 1994:
    W3983           FA123.CONSIDER SELF RETI
    W4638           FB83.RETIREMENT
    W5022           FC41.RETIREMENT
AHEAD 1995:
    D3130           GA123.RETIREMENT
    D3489           GB83.RETIREMENT
    D3711           GC41.RETIREMENT
HRS 1996:
    E3039           G134.CONSIDER SELF RETIRED
HRS 1998:
    F3570           G134.CONSIDER SELF RETIRED
HRS 2000:
    G3859           G134.CONSIDER SELF RETIRED
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HJ578           CONSIDER SELF RETIRED
HRS 2004:
    JA009           PROXY/SELF INTERVIEW
    JJ578           CONSIDER SELF RETIRED
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HRS 2006:
    KA009           PROXY/SELF INTERVIEW
    KJ578           CONSIDER SELF RETIRED
HRS 2008:
    LA009           PROXY/SELF INTERVIEW
    LJ578           CONSIDER SELF RETIRED
HRS 2010:
    MA009           PROXY/SELF INTERVIEW
    MJ578           CONSIDER SELF RETIRED
HRS 2012:
    NA009           PROXY/SELF INTERVIEW
    NJ578           CONSIDER SELF RETIRED
HRS 2014:
    OA009           PROXY/SELF INTERVIEW
    OJ578           CONSIDER SELF RETIRED
```

Whether retired: Retirement Month and Year, If Says Retired

Wave	Variable	Label	Type
1	R1RETMON	R1RETMON:W1 Month Retired if say retired	Cont
2	R2RETMON	R2RETMON:W2 Month Retired if say retired	Cont
3	R3RETMON	R3RETMON:W3 Month Retired if say retired	Cont
4	R4RETMON	R4RETMON:W4 Month Retired if say retired	Cont
5	R5RETMON	R5RETMON:W5 Month Retired if say retired	Cont
6	R6RETMON	R6RETMON:W6 Month Retired if say retired	Cont
7	R7RETMON	R7RETMON:W7 Month Retired if say retired	Cont
8	R8RETMON	R8RETMON:W8 Month Retired if say retired	Cont
9	R9RETMON	R9RETMON:W9 Month Retired if say retired	Cont
10	R10RETMON	R10RETMON:W10 Month Retired if say retired	Cont
11	R11RETMON	R11RETMON:W11 Month Retired if say retired	Cont
12	R12RETMON	R12RETMON:W12 Month Retired if say retired	Cont
1	S1RETMON	S1RETMON:W1 Month Retired if say retired	Cont
2	S2RETMON	S2RETMON:W2 Month Retired if say retired	Cont
3	S3RETMON	S3RETMON:W3 Month Retired if say retired	Cont
4	S4RETMON	S4RETMON:W4 Month Retired if say retired	Cont
5	S5RETMON	S5RETMON:W5 Month Retired if say retired	Cont
6	S6RETMON	S6RETMON:W6 Month Retired if say retired	Cont
7	S7RETMON	S7RETMON:W7 Month Retired if say retired	Cont
8	S8RETMON	S8RETMON:W8 Month Retired if say retired	Cont
9	S9RETMON	S9RETMON:W9 Month Retired if say retired	Cont
10	S10RETMON	S10RETMON:W10 Month Retired if say retired	Cont
11	S11RETMON	S11RETMON:W11 Month Retired if say retired	Cont
12	S12RETMON	S12RETMON:W12 Month Retired if say retired	Cont
1	R1RETYR	R1RETYR:W1 Year Retired if say retired	Cont
2	R2RETYR	R2RETYR:W2 Year Retired if say retired	Cont
3	R3RETYR	R3RETYR:W3 Year Retired if say retired	Cont
4	R4RETYR	R4RETYR:W4 Year Retired if say retired	Cont
5	R5RETYR	R5RETYR:W5 Year Retired if say retired	Cont
6	R6RETYR	R6RETYR:W6 Year Retired if say retired	Cont
7	R7RETYR	R7RETYR:W7 Year Retired if say retired	Cont
8	R8RETYR	R8RETYR:W8 Year Retired if say retired	Cont
9	R9RETYR	R9RETYR:W9 Year Retired if say retired	Cont
10	R10RETYR	R10RETYR:W10 Year Retired if say retired	Cont
11	R11RETYR	R11RETYR:W11 Year Retired if say retired	Cont
12	R12RETYR	R12RETYR:W12 Year Retired if say retired	Cont
1	S1RETYR	S1RETYR:W1 Year Retired if say retired	Cont
2	S2RETYR	S2RETYR:W2 Year Retired if say retired	Cont
3	S3RETYR	S3RETYR:W3 Year Retired if say retired	Cont
4	S4RETYR	S4RETYR:W4 Year Retired if say retired	Cont
5	S5RETYR	S5RETYR:W5 Year Retired if say retired	Cont
6	S6RETYR	S6RETYR:W6 Year Retired if say retired	Cont
7	S7RETYR	S7RETYR:W7 Year Retired if say retired	Cont
8	S8RETYR	S8RETYR:W8 Year Retired if say retired	Cont
9	S9RETYR	S9RETYR:W9 Year Retired if say retired	Cont
10	S10RETYR	S10RETYR:W10 Year Retired if say retired	Cont
11	S11RETYR	S11RETYR:W11 Year Retired if say retired	Cont
12	S12RETYR	S12RETYR:W12 Year Retired if say retired	Cont
1	R1RETDTWV	R1RETDTWV:W1 Wave retirement date reported	Cont
2	R2RETDTWV	R2RETDTWV:W2 Wave retirement date reported	Cont
3	R3RETDTWV	R3RETDTWV:W3 Wave retirement date reported	Cont
4	R4RETDTWV	R4RETDTWV:W4 Wave retirement date reported	Cont
5	R5RETDTWV	R5RETDTWV:W5 Wave retirement date reported	Cont
6	R6RETDTWV	R6RETDTWV:W6 Wave retirement date reported	Cont
7	R7RETDTWV	R7RETDTWV:W7 Wave retirement date reported	Cont
8	R8RETDTWV	R8RETDTWV:W8 Wave retirement date reported	Cont
9	R9RETDTWV	R9RETDTWV:W9 Wave retirement date reported	Cont
10	R10RETDTWV	R10RETDTWV:W10 Wave retirement date reported	Cont
11	R11RETDTWV	R11RETDTWV:W11 Wave retirement date reported	Cont
12	R12RETDTWV	R12RETDTWV:W12 Wave retirement date reported	Cont
1	S1RETDTWV	S1RETDTWV:W1 Wave retirement date reported	Cont

2	S2RETDTWV	S2RETDTWV:W2 Wave retirement date reported	Cont
3	S3RETDTWV	S3RETDTWV:W3 Wave retirement date reported	Cont
4	S4RETDTWV	S4RETDTWV:W4 Wave retirement date reported	Cont
5	S5RETDTWV	S5RETDTWV:W5 Wave retirement date reported	Cont
6	S6RETDTWV	S6RETDTWV:W6 Wave retirement date reported	Cont
7	S7RETDTWV	S7RETDTWV:W7 Wave retirement date reported	Cont
8	S8RETDTWV	S8RETDTWV:W8 Wave retirement date reported	Cont
9	S9RETDTWV	S9RETDTWV:W9 Wave retirement date reported	Cont
10	S10RETDTWV	S10RETDTWV:W10 Wave retirement date reported	Cont
11	S11RETDTWV	S11RETDTWV:W11 Wave retirement date reported	Cont
12	S12RETDTWV	S12RETDTWV:W12 Wave retirement date reported	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETMON	2282	6.42	3.37	1.0	12.0
R2RETMON	3673	6.14	3.52	1.0	12.0
R3RETMON	4159	6.15	3.52	1.0	12.0
R4RETMON	7509	5.90	3.52	1.0	12.0
R5RETMON	7816	5.79	3.53	1.0	12.0
R6RETMON	7516	5.99	3.45	1.0	12.0
R7RETMON	9107	6.04	3.48	1.0	12.0
R8RETMON	9109	6.11	3.45	1.0	12.0
R9RETMON	9019	6.13	3.44	1.0	12.0
R10RETMON	10548	6.17	3.42	1.0	12.0
R11RETMON	10613	6.23	3.41	1.0	12.0
R12RETMON	10510	6.26	3.42	1.0	12.0
S1RETMON	1865	6.44	3.36	1.0	12.0
S2RETMON	2714	6.17	3.48	1.0	12.0
S3RETMON	3145	6.17	3.48	1.0	12.0
S4RETMON	4844	6.06	3.51	1.0	12.0
S5RETMON	5160	5.88	3.54	1.0	12.0
S6RETMON	4861	6.03	3.45	1.0	12.0
S7RETMON	5768	6.11	3.47	1.0	12.0
S8RETMON	5651	6.17	3.46	1.0	12.0
S9RETMON	5455	6.16	3.46	1.0	12.0
S10RETMON	6147	6.18	3.46	1.0	12.0
S11RETMON	6050	6.23	3.43	1.0	12.0
S12RETMON	5765	6.24	3.46	1.0	12.0
R1RETYR	2596	1986.68	5.85	1945.0	1993.0
R2RETYR	8256	1982.30	10.15	1920.0	1994.0
R3RETYR	8573	1984.25	9.81	1920.0	1996.0
R4RETYR	8914	1987.13	9.35	1932.0	1998.0
R5RETYR	8958	1988.98	9.14	1932.0	2000.0
R6RETYR	8573	1991.06	9.19	1933.0	2003.0
R7RETYR	10478	1992.01	9.70	1925.0	2004.0
R8RETYR	10408	1993.59	9.96	1929.0	2007.0
R9RETYR	10208	1994.96	10.21	1934.0	2008.0
R10RETYR	11649	1997.40	10.36	1935.0	2011.0
R11RETYR	11671	1999.05	10.45	1935.0	2013.0
R12RETYR	11397	2000.89	10.57	1935.0	2014.0
S1RETYR	2086	1986.86	5.69	1950.0	1993.0
S2RETYR	5263	1983.67	9.37	1927.0	1994.0
S3RETYR	5498	1985.75	8.97	1927.0	1996.0

S4RETYR	5686	1988.42	8.32	1935.0	1998.0
S5RETYR	5789	1990.26	8.06	1936.0	2000.0
S6RETYR	5388	1992.26	8.16	1943.0	2003.0
S7RETYR	6423	1993.49	8.47	1943.0	2004.0
S8RETYR	6284	1994.97	8.84	1941.0	2007.0
S9RETYR	6011	1996.42	9.03	1941.0	2008.0
S10RETYR	6648	1998.77	9.25	1941.0	2011.0
S11RETYR	6561	2000.41	9.33	1948.0	2013.0
S12RETYR	6160	2002.34	9.48	1946.0	2014.0
R1RETDTWV	2596	1.00	0.02	1.0	2.0
R2RETDTWV	8270	2.74	0.88	1.0	12.0
R3RETDTWV	8585	2.78	0.43	1.0	3.0
R4RETDTWV	9031	3.47	0.72	1.0	4.0
R5RETDTWV	9063	4.01	0.98	1.0	5.0
R6RETDTWV	8678	4.64	1.29	1.0	6.0
R7RETDTWV	10563	5.12	1.59	1.0	7.0
R8RETDTWV	10490	5.67	1.88	1.0	8.0
R9RETDTWV	10276	6.21	2.20	1.0	9.0
R10RETDTWV	11762	7.22	2.56	1.0	12.0
R11RETDTWV	11794	7.91	2.80	1.0	12.0
R12RETDTWV	11544	8.67	3.03	1.0	12.0
S1RETDTWV	2086	1.00	0.02	1.0	2.0
S2RETDTWV	5271	2.66	0.92	1.0	12.0
S3RETDTWV	5504	2.73	0.45	1.0	3.0
S4RETDTWV	5725	3.40	0.75	1.0	4.0
S5RETDTWV	5848	3.98	1.02	1.0	5.0
S6RETDTWV	5423	4.63	1.33	1.0	6.0
S7RETDTWV	6461	5.16	1.62	1.0	7.0
S8RETDTWV	6319	5.76	1.90	1.0	8.0
S9RETDTWV	6045	6.34	2.22	1.0	9.0
S10RETDTWV	6697	7.35	2.55	1.0	12.0
S11RETDTWV	6602	8.07	2.77	1.0	12.0
S12RETDTWV	6230	8.93	2.97	1.0	12.0

How Constructed

Retirement month and year are derived only for Respondents who say they are completely or partially retired, i.e., where RwSAYRET is 1 or 2.

The source of retirement month and year varies across waves. In Wave 1 it is taken from the questions about retirement month and year that immediately follow an answer of considering oneself completely or partially retired. In Wave 2H, the variables for these direct retirement month and year questions are asked separately for Respondents working for a firm, self-employed, or not working. These are all examined for a non-missing retirement month and year. If retirement month and year are not available from these sources, and the Respondent reported a retired employment status then the retirement month and year given in conjunction with employment status is used.

From Wave 3H forward, a branchpoint variable indicates what the source of retirement month should be: from a previous wave, from the retired employment status month, or from the direct question. The variable derivation uses the indicated source for RwRETMON and RwRETYR.

Note that a few additional retirement months and years that are missing in RwRETMON and RwRETYR could be

filled in all waves. In Wave 1, the retirement month from that given with a retired employment status could be used to fill missing values. In Wave 2H, the Wave 1 report could be carried forward, if the Respondent said he/she was retired in Wave 1. In Wave 3H, the retired employment status month could be used if the previous wave report is missing, and vice versa. One could look back to earlier waves as well.

In Wave 2A, there are no questions that ask the Respondent whether he/she considers himself retired. To assign codes for retired the information from subsequent waves is used. If in a subsequent wave the Respondent reports being retired, the date of retirement is compared with interview date. If the interview date is after the date of retirement, R2RETMON and R2RETYR are set to the subsequent date. If R2RETMON and R2RETYR are not filled in this way, they are set to .Q to indicate that the information is not available.

The value of RwRETDTWV indicates which wave the retirement date was reported.

If Respondent says "not retired" or question is not relevant then we assign SAS special missing code .N for "not applicable." For proxy interviews, values are set to .S to indicate question was skipped.

The spouse variables are taken from the Wave "w" spouse's self-report, i.e., from the spouse's RwRETMON and RwRETYR.

Cross Wave Differences in Original HRS Data

In each wave there are two possible sources for retirement month, which correspond to the two places where a Respondent can report being retired. One is the retirement month and year given if the Respondent reports being retired when asked for employment status (RwRETEMP=1). The second can be asked only if the Respondent says that he/she is completely or partially retired (RwSAYRET=1 or 2).

In all waves, if the Respondent reports being retired when asked for employment status (RwRETEMP=1), a question asks "In what month and year did you retire?"

In Wave 1, a question asks "In what month and year did you (partly/completely) retire?" of everyone who reported being completely or partially retired (R1SAYRET=1 or 2). In Wave 2H, the question is asked only if the Respondent did not give a retired employment status, that is, if R2SAYRET is 1 or 2 and R2RETEMP is not 1. From Wave 3H forward, the group asked this question is further limited to those who did not report being completely or partially retired in a previous wave. A branchpoint variable indicates whether the source of the retirement month should be taken from the previous wave, the employment status retirement month, or the question asked in the current interview.

In Wave 2H, the series of questions on whether the Respondent considers himself/herself retired and the subsequent inquiry on retirement month are asked in three different places, depending on whether the Respondent is working for a firm, self-employed, or not working.

In Wave 2A, the questions were not asked. In Wave 3A, the question "What month did you retire?" is only asked if Respondent retired less than 2 years ago.

HRS Variables Used

```
HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V4902           K1A:DATE RETIRED:MONTH
    V4903           K1A:DATE RETIRED:YEAR
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HRS 1994:
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3983           FA123.CONSIDER SELF RETI
    W3984           FA123a.RETIRED-MONTH
    W3985           FA123a.RETIRED-YEAR
    W4638           FB83.RETIREMENT
    W4639           FB83a.MONTH OF RETIREMEN
    W4640           FB83a.YEAR OF RETIREMENT
    W5022           FC41.RETIREMENT
    W5023           FC41a.RETIRE MONTH.
    W5024           FC41a.RETIRE YEAR.
AHEAD 1995:
    D2643           GA1J.YEAR RETIRED
    D2644           GA1J.MONTH RETIRED
    D3130           GA123.RETIREMENT
    D3131           GA123A.RETIRE-MONTH
    D3132           GA123B.RETIRE 2 YR AGO?-YEAR.
HRS 1996:
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E3039           G134.CONSIDER SELF RETIRED
    E3040           G134A_.BRANCHPOINT
    E3041           G134A.RETIRED-MONTH
    E3042           G134A.RETIRED-YEAR
HRS 1998:
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3570           G134.CONSIDER SELF RETIRED
    F3571           G134A BRANCHPOINT
    F3572           G134A.RETIRED-MONTH
    F3573           G134A.RETIRED-YEAR
HRS 2000:
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3859           G134.CONSIDER SELF RETIRED
    G3860           G134Y1.G134A BRANCHPOINT
    G3861           G134A.RETIRED-MONTH
    G3862           G134Y1A.RETIRED-YEAR
HRS 2002:
    HJ017           RETIRED-MO
    HJ018           RETIRED-YR
    HJ578           CONSIDER SELF RETIRED
    HJ579           J579 BRANCHPOINT
    HJ580           MO-RETIRED
    HJ581           YR-RETIRED
HRS 2004:
    JJ017           RETIRED-MO
    JJ018           RETIRED-YR
    JJ578           CONSIDER SELF RETIRED
    JJ579           J579 BRANCHPOINT
    JJ580           MO-RETIRED
    JJ581           YR-RETIRED
HRS 2006:
    KJ017           RETIRED-MO
    KJ018           RETIRED-YR
    KJ578           CONSIDER SELF RETIRED
    KJ579           J579 BRANCHPOINT
    KJ580           MO-RETIRED
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    KJ581           YR-RETIRED
HRS 2008:
    LJ017           RETIRED-MO
    LJ018           RETIRED-YR
    LJ578           CONSIDER SELF RETIRED
    LJ579           BRANCHPOINT FOR J579
    LJ580           MO-RETIRED
    LJ581           YR-RETIRED
HRS 2010:
    MJ017           RETIRED-MO
    MJ018           RETIRED-YR
    MJ578           CONSIDER SELF RETIRED
    MJ579           BRANCHPOINT FOR J579
    MJ580           MO-RETIRED
    MJ581           YR-RETIRED
HRS 2012:
    NJ017           RETIRED-MO
    NJ018           RETIRED-YR
    NJ578           CONSIDER SELF RETIRED
    NJ579           BRANCHPOINT FOR J579
    NJ580           MO-RETIRED
    NJ581           YR-RETIRED
HRS 2014:
    OJ017           RETIRED-MO
    OJ018           RETIRED-YR
    OJ578           CONSIDER SELF RETIRED
    OJ579           BRANCHPOINT FOR J579
    OJ580           MO-RETIRED
    OJ581           YR-RETIRED
```

Planned retirement year

Wave	Variable	Label	Type
1	R1RPLNYR	R1RPLNYR:W1 When R plans to stop work	Cont
2	R2RPLNYR	R2RPLNYR:W2 When R plans to stop work	Cont
3	R3RPLNYR	R3RPLNYR:W3 When R plans to stop work	Cont
4	R4RPLNYR	R4RPLNYR:W4 When R plans to stop work	Cont
5	R5RPLNYR	R5RPLNYR:W5 When R plans to stop work	Cont
6	R6RPLNYR	R6RPLNYR:W6 When R plans to stop work	Cont
7	R7RPLNYR	R7RPLNYR:W7 When R plans to stop work	Cont
8	R8RPLNYR	R8RPLNYR:W8 When R plans to stop work	Cont
9	R9RPLNYR	R9RPLNYR:W9 When R plans to stop work	Cont
10	R10RPLNYR	R10RPLNYR:W10 When R plans to stop work	Cont
11	R11RPLNYR	R11RPLNYR:W11 When R plans to stop work	Cont
12	R12RPLNYR	R12RPLNYR:W12 When R plans to stop work	Cont
1	S1RPLNYR	S1RPLNYR:W1 When S plans to stop work	Cont
2	S2RPLNYR	S2RPLNYR:W2 When S plans to stop work	Cont
3	S3RPLNYR	S3RPLNYR:W3 When S plans to stop work	Cont
4	S4RPLNYR	S4RPLNYR:W4 When S plans to stop work	Cont
5	S5RPLNYR	S5RPLNYR:W5 When S plans to stop work	Cont
6	S6RPLNYR	S6RPLNYR:W6 When S plans to stop work	Cont
7	S7RPLNYR	S7RPLNYR:W7 When S plans to stop work	Cont
8	S8RPLNYR	S8RPLNYR:W8 When S plans to stop work	Cont
9	S9RPLNYR	S9RPLNYR:W9 When S plans to stop work	Cont
10	S10RPLNYR	S10RPLNYR:W10 When S plans to stop work	Cont
11	S11RPLNYR	S11RPLNYR:W11 When S plans to stop work	Cont
12	S12RPLNYR	S12RPLNYR:W12 When S plans to stop work	Cont
1	R1RPLNYA	R1RPLNYA:W1 When R thinks will stop work	Cont
3	R3RPLNYA	R3RPLNYA:W3 When R thinks will stop work	Cont
4	R4RPLNYA	R4RPLNYA:W4 When R thinks will stop work	Cont
5	R5RPLNYA	R5RPLNYA:W5 When R thinks will stop work	Cont
6	R6RPLNYA	R6RPLNYA:W6 When R thinks will stop work	Cont
7	R7RPLNYA	R7RPLNYA:W7 When R thinks will stop work	Cont
8	R8RPLNYA	R8RPLNYA:W8 When R thinks will stop work	Cont
9	R9RPLNYA	R9RPLNYA:W9 When R thinks will stop work	Cont
10	R10RPLNYA	R10RPLNYA:W10 When R thinks will stop work	Cont
11	R11RPLNYA	R11RPLNYA:W11 When R thinks will stop work	Cont
12	R12RPLNYA	R12RPLNYA:W12 When R thinks will stop work	Cont
1	S1RPLNYA	S1RPLNYA:W1 When S thinks will stop work	Cont
3	S3RPLNYA	S3RPLNYA:W3 When S thinks will stop work	Cont
4	S4RPLNYA	S4RPLNYA:W4 When S thinks will stop work	Cont
5	S5RPLNYA	S5RPLNYA:W5 When S thinks will stop work	Cont
6	S6RPLNYA	S6RPLNYA:W6 When S thinks will stop work	Cont
7	S7RPLNYA	S7RPLNYA:W7 When S thinks will stop work	Cont
8	S8RPLNYA	S8RPLNYA:W8 When S thinks will stop work	Cont
9	S9RPLNYA	S9RPLNYA:W9 When S thinks will stop work	Cont
10	S10RPLNYA	S10RPLNYA:W10 When S thinks will stop work	Cont
11	S11RPLNYA	S11RPLNYA:W11 When S thinks will stop work	Cont
12	S12RPLNYA	S12RPLNYA:W12 When S thinks will stop work	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RPLNYR	1668	1998.37	4.57	1992.0	2049.0
R2RPLNYR	1628	1999.36	4.14	1994.0	2025.0
R3RPLNYR	1485	2000.46	3.98	1995.0	2026.0
R4RPLNYR	1588	2002.68	4.23	1998.0	2030.0
R5RPLNYR	1263	2004.02	4.19	2000.0	2032.0
R6RPLNYR	971	2006.05	3.90	2002.0	2034.0

R7RPLNYR	1232	2009.51	4.86	2004.0	2040.0
R8RPLNYR	1097	2010.97	4.82	2006.0	2044.0
R9RPLNYR	977	2012.48	4.15	2008.0	2034.0
R10RPLNYR	1370	2016.38	5.28	2010.0	2047.0
R11RPLNYR	1310	2017.83	4.77	2012.0	2046.0
R12RPLNYR	1137	2019.10	4.48	2014.0	2044.0
S1RPLNYR	1353	1998.45	4.73	1992.0	2049.0
S2RPLNYR	1285	1999.46	4.27	1994.0	2025.0
S3RPLNYR	1151	2000.48	4.05	1995.0	2026.0
S4RPLNYR	1186	2002.77	4.39	1998.0	2030.0
S5RPLNYR	958	2004.13	4.33	2000.0	2032.0
S6RPLNYR	731	2006.13	3.85	2002.0	2026.0
S7RPLNYR	904	2009.64	4.92	2004.0	2040.0
S8RPLNYR	813	2011.11	4.89	2006.0	2044.0
S9RPLNYR	710	2012.53	4.21	2008.0	2034.0
S10RPLNYR	952	2016.72	5.55	2010.0	2047.0
S11RPLNYR	934	2017.89	4.86	2012.0	2044.0
S12RPLNYR	786	2019.40	4.59	2014.0	2040.0
R1RPLNYA	6315	2000.60	5.51	1992.0	2049.0
R3RPLNYA	3089	2002.53	5.47	1995.0	2039.0
R4RPLNYA	3520	2004.91	5.83	1998.0	2041.0
R5RPLNYA	2886	2006.36	5.75	2000.0	2057.0
R6RPLNYA	2367	2008.26	5.74	2002.0	2048.0
R7RPLNYA	3229	2012.16	6.35	2004.0	2046.0
R8RPLNYA	2771	2013.51	6.17	2006.0	2047.0
R9RPLNYA	2508	2014.65	5.51	2008.0	2048.0
R10RPLNYA	4331	2019.37	6.65	2010.0	2057.0
R11RPLNYA	3989	2020.50	6.23	2012.0	2062.0
R12RPLNYA	3447	2021.74	6.10	2014.0	2070.0
S1RPLNYA	4932	2000.76	5.74	1992.0	2049.0
S3RPLNYA	2345	2002.56	5.52	1995.0	2039.0
S4RPLNYA	2641	2005.09	5.96	1998.0	2041.0
S5RPLNYA	2177	2006.56	5.87	2000.0	2046.0
S6RPLNYA	1736	2008.41	5.84	2002.0	2048.0
S7RPLNYA	2374	2012.32	6.49	2004.0	2046.0
S8RPLNYA	2068	2013.79	6.35	2006.0	2047.0
S9RPLNYA	1837	2014.78	5.58	2008.0	2048.0
S10RPLNYA	3004	2019.72	6.90	2010.0	2057.0
S11RPLNYA	2770	2020.71	6.36	2012.0	2062.0
S12RPLNYA	2382	2021.98	6.13	2014.0	2070.0

How Constructed

There are 2 planned retirement year variables. RwRPLNYR is derived from the variable which asks Respondent about retirement plans. If Respondent plans to stop work altogether then he/she is asked when, which is assigned to RwRPLNYR. Most cases are missing this variable.

RwRPLNYA is an alternate variable which combines RwRPLNYR with a question which asks when Respondent thinks he/she will stop work or retire. In Wave 1 this question follows a question on whether Respondent considers him/herself completely retired, and asks when Respondent thinks he/she will retire completely. From Wave 3H forward, if Respondent responds to the retirement plans question that he/she hasn't given it much thought or has no plans, he/she

is asked: "When do you think you will stop working?." The year given in response to this is assigned to RwRPLNYA. If Respondent did not respond in this way but did respond that he/she plans to stop work altogether, then RwRPLNYR is assigned to RwRPLNYA. RwRPLNYA also has many missing values, but fewer than RwRPLNYR.

The alternate question used to derive RwRPLNYA is not asked in Wave 2A or 2H, so R2RPLNYA is missing.

The years for both RwRPLNYR and RwRPLNYA can be given by age or specific year. In Wave 1 only age is given for when Respondent plans to stop work altogether and only year for when Respondent thinks he/she will retire. In other waves, both age and year are in the data. If the year is given by age, then year is assigned as Respondent's birth year plus the age given.

If it is a proxy interview, these questions are not asked, and RwRPLNYR and RwRPLNYA are set to SAS special missing code .S for "skipped because proxy."

If Respondent is not working then the questions about retirement plans are not asked, except for the "when do you think you will retire completely." If the questions are skipped because Respondent is not working, RwRPLNYR and RwRPLNYA are assigned SAS special missing code .W for "not working."

Respondent can respond "Never" to the "when" questions. If Respondent says "Never" or has no plan to stop work, RwRPLNYR is set to .N. If Respondent says "Never" or was not asked the "when do you think you will stop work" question in Waves 3H forward, RwRPLNYA is set to .N.

In Wave 1 if Respondent is completely retired, then the "when do you think you will retire completely" question is not asked, and R1RPLNYA is set to .A for "already retired."

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwRPLNYR and RwRPLNYA.

In Wave 2A, the data needed to derive R2RPLNYR are not collected. R2RPLNYR is set to .Q to indicate that this information is not available for AHEAD Respondents in this wave.

Cross Wave Differences in Original HRS Data

The variable of interest is the year the Respondent plans to stop working. In the employment section, the Respondent is asked about retirement plans. The question wording is almost the same across all waves. In all waves the question is preceded by a question about the usual retirement age for people the Respondent works with or with the same kind of job. It is prefaced by: "Now I have a few questions about work and retirement." Then the question is:

"Are you currently planning to stop working altogether or work fewer hours at a particular date or age, to change the kind of work you do when you reach a particular age, have you not given it much thought, or what?"

In Wave 2H, the question is:

"Are you currently planning to stop working altogether or work fewer hours at a particular date or age, have you not given it much thought, or what?"

In Wave 3A and 3H, the question is:

"Now I want to ask about your retirement plans. Do you plan to stop working altogether or work fewer hours at a particular date or age, have you not given it much thought, or what?"

In Waves 4 forward, the question is:

"Now I want to ask about your retirement plans. Do you plan to stop working altogether or reduce work hours at a particular date or age, have you not given it much thought, or what?"

In all waves multiple answers may be given: "stop work altogether," "never stop work," "haven't given it much thought," "no current plans-continue as is," "work fewer hours," "change kind of work," "work for myself," and "other." In Wave 3H another choice is added: "work until my health fails."

If Respondent plans to stop work altogether, Respondent is asked "At what age do you plan to stop working?" The questionnaire allows an age or year to be given. In Wave 1 the variable in the data is an age, but in subsequent waves either an age or year is in the data. Because multiple answers, including indefinite ones, are allowed, many cases are missing a retirement year.

Beginning in Wave 3A, if Respondent hasn't given it much thought or has no current plans, the survey asks: "At what age do you think you will stop working?" In the retirement expectations section of Wave 1 a question follows one on whether Respondent considers him/herself completely retired, and asks when Respondent thinks he/she will retire completely. In Wave 2A there are no retirement questions asked and in 2H there is no question asking Respondent when he/she thinks he/she will stop working or retire.

For AHEAD Respondents in Wave 2A, the information for R2RPLNYR is not available.

HRS Variables Used

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HRS 1992:
    V3338           F91:STP WRK ALL TOGETHER
    V3346           F91A:AGE TO STOP WRKING
    V5001           K13:DATE/YR/AGE WILL:IMP
HRS 1994:
    W3967           FA122.PLANS FOR RETIREME
    W3968           FA122.PLANS FOR RETIREME
    W3969           FA122.PLANS FOR RETIREME
    W3970           FA122.PLANS FOR RETIREME
    W3975           FA122a.PLAN TO STOP WORK
    W4622           FB82.RETIREMENT PLANS
    W4623           FB82.RETIREMENT PLANS
    W4624           FB82.RETIREMENT PLANS
    W4630           FB82a.AGE EXPECT STOP WO
AHEAD 1995:
    D3121M1         GA122. RETIREMENT PLANS
    D3121M2         GA122. RETIREMENT PLANS
    D3122           GA122A. AGE STOP WORKING
    D3123           GA122A1. YEAR STOP WORKING
    D3480M1         GB82. RETIREMENT PLANS
    D3480M2         GB82. RETIREMENT PLANS
    D3480M3         GB82. RETIREMENT PLANS
HRS 1996:
    E3028M1         G133.PLANS FOR RETIREMENT
    E3028M2         G133.PLANS FOR RETIREMENT
    E3028M3         G133.PLANS FOR RETIREMENT
    E3028M4         G133.PLANS FOR RETIREMENT
    E3029           G133A.PLAN TO STOP WORKING-AGE
    E3030           G133A1.PLAN TO STOP WORKING-YEAR
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    E3031           G133B.THINK STOP WORKING-AGE
    E3032           G133B1.THINK STOP WORKING-YEAR
HRS 1998:
    F3559M1         G133.PLANS FOR RETIREMENT
    F3559M2         G133.PLANS FOR RETIREMENT
    F3559M3         G133.PLANS FOR RETIREMENT
    F3559M4         G133.PLANS FOR RETIREMENT
    F3559M5         G133.PLANS FOR RETIREMENT
    F3559M6         G133.PLANS FOR RETIREMENT
    F3560           G133A.PLAN TO STOP WORKING-AGE
    F3561           G133A1.PLAN TO STOP WORKING-YEAR
    F3562           G133B.THINK STOP WORKING-AGE
    F3563           G133B1.THINK STOP WORKING-YEAR
HRS 2000:
    G3848M1         G133.PLANS FOR RETIREMENT
    G3848M2         G133.PLANS FOR RETIREMENT
    G3848M3         G133.PLANS FOR RETIREMENT
    G3848M4         G133.PLANS FOR RETIREMENT
    G3849           G133A.PLAN TO STOP WORKING-AGE
    G3850           G133A1.PLAN TO STOP WORKING-YEAR
    G3851           G133B.THINK STOP WORKING-AGE
    G3852           G133B1.THINK STOP WORKING-YEAR
HRS 2002:
    HJ566M1         PLANS FOR RETIREMENT- 1
    HJ566M2         PLANS FOR RETIREMENT- 2
    HJ566M3         PLANS FOR RETIREMENT- 3
    HJ566M4         PLANS FOR RETIREMENT- 4
    HJ566M5         PLANS FOR RETIREMENT- 5
    HJ566M6         PLANS FOR RETIREMENT- 6
    HJ566M7         PLANS FOR RETIREMENT- 7
    HJ568           PLAN TO STOP WORKING-AGE
    HJ569           PLAN TO STOP WORKING-YR
    HJ570           THINK STOP WORKING-AGE
    HJ571           THINK STOP WORKING-YR
HRS 2004:
    JJ566M1         PLANS FOR RETIREMENT- 1
    JJ566M2         PLANS FOR RETIREMENT- 2
    JJ566M3         PLANS FOR RETIREMENT- 3
    JJ566M4         PLANS FOR RETIREMENT- 4
    JJ566M5         PLANS FOR RETIREMENT- 5
    JJ566M6         PLANS FOR RETIREMENT- 6
    JJ566M7         PLANS FOR RETIREMENT- 7
    JJ568           PLAN TO STOP WORKING-AGE
    JJ569           PLAN TO STOP WORKING-YR
    JJ570           THINK STOP WORKING-AGE
    JJ571           THINK STOP WORKING-YR
HRS 2006:
    KJ566M1         PLANS FOR RETIREMENT- 1
    KJ566M2         PLANS FOR RETIREMENT- 2
    KJ566M3         PLANS FOR RETIREMENT- 3
    KJ566M4         PLANS FOR RETIREMENT- 4
    KJ566M5         PLANS FOR RETIREMENT- 5
    KJ568           PLAN TO STOP WORKING-AGE
    KJ569           PLAN TO STOP WORKING-YR
    KJ570           THINK STOP WORKING-AGE
    KJ571           THINK STOP WORKING-YR
HRS 2008:
    LJ566M1         PLANS FOR RETIREMENT- 1
    LJ566M2         PLANS FOR RETIREMENT- 2
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    LJ566M3         PLANS FOR RETIREMENT- 3
    LJ566M4         PLANS FOR RETIREMENT- 4
    LJ566M5         PLANS FOR RETIREMENT- 5
    LJ568           PLAN TO STOP WORKING-AGE
    LJ569           PLAN TO STOP WORKING-YR
    LJ570           THINK STOP WORKING-AGE
    LJ571           THINK STOP WORKING-YR
HRS 2010:
    MJ566M1         PLANS FOR RETIREMENT- 1
    MJ566M2         PLANS FOR RETIREMENT- 2
    MJ566M3         PLANS FOR RETIREMENT- 3
    MJ566M4         PLANS FOR RETIREMENT- 4
    MJ566M5         PLANS FOR RETIREMENT- 5
    MJ568           PLAN TO STOP WORKING-AGE
    MJ569           PLAN TO STOP WORKING-YR
    MJ570           THINK STOP WORKING-AGE
    MJ571           THINK STOP WORKING-YR
HRS 2012:
    NJ566M1         PLANS FOR RETIREMENT- 1
    NJ566M2         PLANS FOR RETIREMENT- 2
    NJ566M3         PLANS FOR RETIREMENT- 3
    NJ566M4         PLANS FOR RETIREMENT- 4
    NJ566M5         PLANS FOR RETIREMENT- 5
    NJ568           PLAN TO STOP WORKING-AGE
    NJ569           PLAN TO STOP WORKING-YR
    NJ570           THINK STOP WORKING-AGE
    NJ571           THINK STOP WORKING-YR
HRS 2014:
    OJ566M1         PLANS FOR RETIREMENT- 1
    OJ566M2         PLANS FOR RETIREMENT- 2
    OJ566M3         PLANS FOR RETIREMENT- 3
    OJ566M4         PLANS FOR RETIREMENT- 4
    OJ566M5         PLANS FOR RETIREMENT- 5
    OJ568           PLAN TO STOP WORKING-AGE
    OJ569           PLAN TO STOP WORKING-YR
    OJ570           THINK STOP WORKING-AGE
    OJ571           THINK STOP WORKING-YR
```

Expects spouse to retire at the same time

Wave	Variable	Label	Type
1	R1RETWSP	R1RETWSP:W1 R Expect-SP retire same time	Categ
1	S1RETWSP	S1RETWSP:W1 S Expect-SP retire same time	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWSP	4802	0.87	0.74	0.0	2.0
S1RETWSP	4618	0.87	0.74	0.0	2.0

Categorical Variable Codes

Value	R1RETWSP
.A=Already retired	1467
.D=DK	131
.I=Retirement not relevant	1077
.M=Oth missing	210
.N=No retirement plans	1985
.S=Skip,proxy IW	611
.U=Unmarried	2369
0.No	1672
1.Yes	2081
2.Sp not working	1049

Value	S1RETWSP
.A=Already retired	1427
.D=DK	122
.I=Retirement not relevant	1029
.M=Oth missing	188
.N=No retirement plans	1906
.S=Skip,proxy IW	610
.U=Unmarried	2373
.V=Spouse NR	379
0.No	1614
1.Yes	1997
2.Sp not working	1007

How Constructed

The question is in the retirement expectations section and asks:

"Do you expect your spouse to retire at about the same time that you do?"

R1RETWSP is simply a recode of the HRS Wave 1 variable. The possible answers are yes, no, and spouse not working. If the spouse is not working this variable is set to 2. Otherwise, it is set to 0 for no and 1 for yes.

The variable is skipped for a number of reasons. SAS special missing codes are assigned to identify the reasons. If Respondent is completely retired, R1RETWSP is set to .A for already retired. It is set to .U if Respondent is unmarried. If retirement is irrelevant, e.g., if Respondent hasn't been working for the last 10 years or is a homemaker, R1RETWSP is set to .I for irrelevant. If the interview is by proxy, R1RETWSP is set to .S for skipped because proxy.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWSP.

HRS Variables Used

```
HRS 1992:
    V225            A10:CURRENT MARR STA:IMP
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V5001           K13:DATE/YR/AGE WILL:IMP
    V5002           K14:SPOUSE RET SAME TIME
Tracker:
    APROXY          1992 PROXY TYPE STATUS
```

Concerned about having enough retirement income

Wave	Variable	Label	Type
1	R1RETINC	R1RETINC:W1 R Worry-enough retiremnt inc	Categ
1	S1RETINC	S1RETINC:W1 S Worry-enough retiremnt inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETINC	8822	2.29	1.10	1.0	4.0
S1RETINC	6822	2.35	1.09	1.0	4.0

Categorical Variable Codes

Value	R1RETINC
.A=Already retired	1803
.D=DK	5
.M=Oth missing	116
.N=No retirement plans	1269
.S=Skip,proxy IW	637
1.A lot	2801
2.Somewhat	2370
3.Little	1980
4.Not at all	1671

Value	S1RETINC
.A=Already retired	1426
.D=DK	4
.M=Oth missing	67
.N=No retirement plans	974
.S=Skip,proxy IW	607
.U=Unmarried	2373
.V=Spouse NR	379
1.A lot	1953
2.Somewhat	1884
3.Little	1634
4.Not at all	1351

How Constructed

The question is in the retirement expectations section and asks:

"Now for things that worry some people about retirement. Please tell me if they worry you a lot, somewhat, a little, or not at all: Not having enough income to get by."

R1RETINC simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says he/she will never retire to the question asking when he/she thinks he/she will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETINC.

HRS Variables Used

```
HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V5001           K13:DATE/YR/AGE WILL:IMP
    V5022           K22E:WORRY:NOT ENOUGH $
```

Expectations regarding retirement living standards versus current living standards

Wave	Variable	Label	Type
1	R1RETLIV	R1RETLIV:W1 R Expect-retiremt living std	Categ
1	S1RETLIV	S1RETLIV:W1 S Expect-retiremt living std	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETLIV	8743	3.39	0.78	1.0	5.0
S1RETLIV	6782	3.39	0.75	1.0	5.0

Categorical Variable Codes

Value	R1RETLIV
.A=Already retired	1803
.D=DK	56
.M=Oth missing	142
.N=No retirement plans	1269
.S=Skip,proxy IW	639
1.Increase a lot	122
2.Increase somewhat	619
3.Stay same as now	4379
4.Decline somewhat	3016
5.Decline a lot	607

Value	S1RETLIV
.A=Already retired	1426
.D=DK	31
.M=Oth missing	78
.N=No retirement plans	974
.S=Skip,proxy IW	609
.U=Unmarried	2373
.V=Spouse NR	379
1.Increase a lot	82
2.Increase somewhat	441
3.Stay same as now	3450
4.Decline somewhat	2387
5.Decline a lot	422

How Constructed

The question is in the retirement expectations section and asks:

"When you [and your spouse/partner] decide to retire, do you expect your living standards to increase a lot, increase somewhat, stay about the same as now, decline somewhat, or decline a lot?"

R1RETLIV simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the

Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says he/she will never retire to the question asking when he/she thinks he/she will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETLIV.

HRS Variables Used

```
HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V5001           K13:DATE/YR/AGE WILL:IMP
    V5024           K23:RATE LIV STND FOR RT
```

Expectation of total retirement wealth

Wave	Variable	Label	Type
1	R1RETWLT	R1RETWLT:W1 R Expect-tot retirement wlth	Cont
1	S1RETWLT	S1RETWLT:W1 S Expect-tot retirement wlth	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWLT	8947	100227.06	300590.02	0.0	9000000.0
S1RETWLT	6896	108132.44	300197.84	0.0	7000000.0

How Constructed

The question is in the retirement expectations section and asks:

"Not counting IRA, Keogh, or any pension fund assets that you [and your spouse/partner] may have, roughly how much savings and reserve funds do you expect to have accumulated by the time you decide to retire?"

R1RETWLT simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says he/she will never retire to the question asking when he/she thinks he/she will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWLT.

HRS Variables Used

```
HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V5001           K13:DATE/YR/AGE WILL:IMP
    V5025           K24:SAV:$AMT SAVD BY:IMP
```

Plans to continue paid work in retirement

Wave	Variable	Label	Type
1	R1RETWRK	R1RETWRK:W1 R Plan-paid work aft retired	Categ
1	S1RETWRK	S1RETWRK:W1 S Plan-paid work aft retired	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWRK	10176	0.73	0.44	0.0	1.0
S1RETWRK	7908	0.72	0.45	0.0	1.0

Categorical Variable Codes

Value	R1RETWRK
.D=DK	1762
.M=Oth missing	71
.S=Skip,proxy IW	643
0.Stop work entirely	2733
1.Continue paid work	7443

Value	S1RETWRK
.D=DK	1342
.M=Oth missing	38
.S=Skip,proxy IW	612
.U=Unmarried	2373
.V=Spouse NR	379
0.Stop work entirely	2231
1.Continue paid work	5677

How Constructed

The question is in the retirement expectations section and asks:

"Some people want to stop paid work entirely when they retire, while others would like to continue doing some paid work, what about you?"

R1RETWRK simply recodes the HRS variable. A "stop work entirely" response is set to 0 and "continue paid work" is set to 1. This question is skipped if the interview is by proxy. In this case R1RETWRK is set to .S. There are many "don't know" responses to this question; the questionnaire indicates that this missing value includes both "not applicable" and "don't know." There was no clear reason for a "not applicable" code.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWRK.

HRS Variables Used

```
HRS 1992:
    V5032           K26:CONT PAID WRK AT RET
```

Self-reported probability of living to age 75

Wave	Variable	Label	Type
1	R1LIV75	R1LIV75:W1 R Probability to live 75+	Cont
2	R2LIV75	R2LIV75:W2 R Probability to live 75+	Cont
3	R3LIV75	R3LIV75:W3 R Probability to live 75+	Cont
4	R4LIV75	R4LIV75:W4 R Probability to live 75+	Cont
5	R5LIV75	R5LIV75:W5 R Probability to live 75+	Cont
6	R6LIV75	R6LIV75:W6 R Probability to live 75+	Cont
7	R7LIV75	R7LIV75:W7 R Probability to live 75+	Cont
8	R8LIV75	R8LIV75:W8 R Probability to live 75+	Cont
9	R9LIV75	R9LIV75:W9 R Probability to live 75+	Cont
10	R10LIV75	R10LIV75:W10 R Probability to live 75+	Cont
11	R11LIV75	R11LIV75:W11 R Probability to live 75+	Cont
12	R12LIV75	R12LIV75:W12 R Probability to live 75+	Cont
1	S1LIV75	S1LIV75:W1 S Probability to live 75+	Cont
2	S2LIV75	S2LIV75:W2 S Probability to live 75+	Cont
3	S3LIV75	S3LIV75:W3 S Probability to live 75+	Cont
4	S4LIV75	S4LIV75:W4 S Probability to live 75+	Cont
5	S5LIV75	S5LIV75:W5 S Probability to live 75+	Cont
6	S6LIV75	S6LIV75:W6 S Probability to live 75+	Cont
7	S7LIV75	S7LIV75:W7 S Probability to live 75+	Cont
8	S8LIV75	S8LIV75:W8 S Probability to live 75+	Cont
9	S9LIV75	S9LIV75:W9 S Probability to live 75+	Cont
10	S10LIV75	S10LIV75:W10 S Probability to live 75+	Cont
11	S11LIV75	S11LIV75:W11 S Probability to live 75+	Cont
12	S12LIV75	S12LIV75:W12 S Probability to live 75+	Cont
1	R1LIV75P	R1LIV75P:W1 LfTab prob live 75+/R curage	Cont
2	R2LIV75P	R2LIV75P:W2 LfTab prob live 75+/R curage	Cont
3	R3LIV75P	R3LIV75P:W3 LfTab prob live 75+/R curage	Cont
4	R4LIV75P	R4LIV75P:W4 LfTab prob live 75+/R curage	Cont
5	R5LIV75P	R5LIV75P:W5 LfTab prob live 75+/R curage	Cont
6	R6LIV75P	R6LIV75P:W6 LfTab prob live 75+/R curage	Cont
7	R7LIV75P	R7LIV75P:W7 LfTab prob live 75+/R curage	Cont
8	R8LIV75P	R8LIV75P:W8 LfTab prob live 75+/R curage	Cont
9	R9LIV75P	R9LIV75P:W9 LfTab prob live 75+/R curage	Cont
10	R10LIV75P	R10LIV75P:W10 LfTab prob live 75+/R curage	Cont
11	R11LIV75P	R11LIV75P:W11 LfTab prob live 75+/R curage	Cont
12	R12LIV75P	R12LIV75P:W12 LfTab prob live 75+/R curage	Cont
1	S1LIV75P	S1LIV75P:W1 LfTab prob live 75+/R curage	Cont
2	S2LIV75P	S2LIV75P:W2 LfTab prob live 75+/R curage	Cont
3	S3LIV75P	S3LIV75P:W3 LfTab prob live 75+/R curage	Cont
4	S4LIV75P	S4LIV75P:W4 LfTab prob live 75+/R curage	Cont
5	S5LIV75P	S5LIV75P:W5 LfTab prob live 75+/R curage	Cont
6	S6LIV75P	S6LIV75P:W6 LfTab prob live 75+/R curage	Cont
7	S7LIV75P	S7LIV75P:W7 LfTab prob live 75+/R curage	Cont
8	S8LIV75P	S8LIV75P:W8 LfTab prob live 75+/R curage	Cont
9	S9LIV75P	S9LIV75P:W9 LfTab prob live 75+/R curage	Cont
10	S10LIV75P	S10LIV75P:W10 LfTab prob live 75+/R curage	Cont
11	S11LIV75P	S11LIV75P:W11 LfTab prob live 75+/R curage	Cont
12	S12LIV75P	S12LIV75P:W12 LfTab prob live 75+/R curage	Cont
1	R1LIV75R	R1LIV75R:W1 Rprob live 75+ / LfTab prob	Cont
2	R2LIV75R	R2LIV75R:W2 Rprob live 75+ / LfTab prob	Cont
3	R3LIV75R	R3LIV75R:W3 Rprob live 75+ / LfTab prob	Cont
4	R4LIV75R	R4LIV75R:W4 Rprob live 75+ / LfTab prob	Cont
5	R5LIV75R	R5LIV75R:W5 Rprob live 75+ / LfTab prob	Cont
6	R6LIV75R	R6LIV75R:W6 Rprob live 75+ / LfTab prob	Cont
7	R7LIV75R	R7LIV75R:W7 Rprob live 75+ / LfTab prob	Cont
8	R8LIV75R	R8LIV75R:W8 Rprob live 75+ / LfTab prob	Cont
9	R9LIV75R	R9LIV75R:W9 Rprob live 75+ / LfTab prob	Cont
10	R10LIV75R	R10LIV75R:W10 Rprob live 75+ / LfTab prob	Cont
11	R11LIV75R	R11LIV75R:W11 Rprob live 75+ / LfTab prob	Cont
12	R12LIV75R	R12LIV75R:W12 Rprob live 75+ / LfTab prob	Cont
1	S1LIV75R	S1LIV75R:W1 Rprob live 75+ / LfTab prob	Cont

2	S2LIV75R	S2LIV75R:W2 Rprob live 75+ / LfTab prob	Cont
3	S3LIV75R	S3LIV75R:W3 Rprob live 75+ / LfTab prob	Cont
4	S4LIV75R	S4LIV75R:W4 Rprob live 75+ / LfTab prob	Cont
5	S5LIV75R	S5LIV75R:W5 Rprob live 75+ / LfTab prob	Cont
6	S6LIV75R	S6LIV75R:W6 Rprob live 75+ / LfTab prob	Cont
7	S7LIV75R	S7LIV75R:W7 Rprob live 75+ / LfTab prob	Cont
8	S8LIV75R	S8LIV75R:W8 Rprob live 75+ / LfTab prob	Cont
9	S9LIV75R	S9LIV75R:W9 Rprob live 75+ / LfTab prob	Cont
10	S10LIV75R	S10LIV75R:W10 Rprob live 75+ / LfTab prob	Cont
11	S11LIV75R	S11LIV75R:W11 Rprob live 75+ / LfTab prob	Cont
12	S12LIV75R	S12LIV75R:W12 Rprob live 75+ / LfTab prob	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIV75	11758	64.59	29.68	0.0	100.0
R2LIV75	9668	63.50	28.97	0.0	100.0
R3LIV75	8828	65.15	30.59	0.0	100.0
R4LIV75	9417	65.29	29.24	0.0	100.0
R5LIV75	8231	66.52	28.05	0.0	100.0
R6LIV75	6853	66.26	28.18	0.0	100.0
R7LIV75	8724	64.64	28.82	0.0	100.0
R8LIV75	6442	63.23	29.38	0.0	100.0
R9LIV75	5354	65.52	28.37	0.0	100.0
R10LIV75	10071	62.36	30.12	0.0	100.0
R11LIV75	9151	60.44	30.40	0.0	100.0
R12LIV75	7850	60.76	30.27	0.0	100.0
S1LIV75	9138	65.17	29.07	0.0	100.0
S2LIV75	7275	63.97	28.16	0.0	100.0
S3LIV75	6499	65.92	29.77	0.0	100.0
S4LIV75	6964	65.70	28.50	0.0	100.0
S5LIV75	6113	67.12	27.34	0.0	100.0
S6LIV75	5077	66.76	27.57	0.0	100.0
S7LIV75	6302	65.45	28.07	0.0	100.0
S8LIV75	4738	64.22	28.55	0.0	100.0
S9LIV75	3848	66.14	27.62	0.0	100.0
S10LIV75	6641	63.07	29.22	0.0	100.0
S11LIV75	6041	60.90	29.71	0.0	100.0
S12LIV75	5061	61.28	29.45	0.0	100.0
R1LIV75P	12651	69.64	7.17	54.2	100.0
R2LIV75P	19641	80.96	13.74	54.6	100.0
R3LIV75P	17991	82.23	13.32	55.7	100.0
R4LIV75P	21384	82.23	12.57	57.6	100.0
R5LIV75P	19579	83.69	12.02	58.8	100.0
R6LIV75P	18165	85.42	11.23	60.2	100.0
R7LIV75P	20129	84.72	11.19	61.9	100.0
R8LIV75P	18469	86.44	10.65	62.4	100.0
R9LIV75P	17217	87.88	10.23	63.3	100.0
R10LIV75P	22034	85.65	10.61	64.2	100.0
R11LIV75P	20554	86.69	10.38	64.6	100.0
R12LIV75P	18741	87.45	10.22	64.8	100.0
S1LIV75P	9900	69.26	7.22	54.2	100.0
S2LIV75P	13088	77.87	12.80	54.6	100.0
S3LIV75P	11915	79.35	12.50	55.7	100.0

S4LIV75P	13978	79.63	11.85	57.6	100.0
S5LIV75P	12730	81.08	11.41	58.8	100.0
S6LIV75P	11639	83.03	10.82	60.2	100.0
S7LIV75P	12972	82.64	10.76	61.9	100.0
S8LIV75P	11735	84.39	10.42	62.4	100.0
S9LIV75P	10646	85.98	10.13	63.3	100.0
S10LIV75P	13513	84.15	10.33	64.2	100.0
S11LIV75P	12488	85.13	10.18	64.6	100.0
S12LIV75P	11025	85.81	10.05	64.8	100.0
R1LIV75R	11757	0.93	0.44	0.0	1.8
R2LIV75R	9668	0.90	0.42	0.0	1.8
R3LIV75R	8828	0.91	0.43	0.0	1.7
R4LIV75R	9417	0.90	0.41	0.0	1.7
R5LIV75R	8231	0.90	0.39	0.0	1.7
R6LIV75R	6853	0.88	0.38	0.0	1.6
R7LIV75R	8724	0.86	0.39	0.0	1.6
R8LIV75R	6442	0.83	0.39	0.0	1.6
R9LIV75R	5354	0.85	0.37	0.0	1.6
R10LIV75R	10071	0.81	0.40	0.0	1.5
R11LIV75R	9151	0.78	0.39	0.0	1.5
R12LIV75R	7847	0.78	0.39	0.0	1.5
S1LIV75R	9138	0.94	0.43	0.0	1.8
S2LIV75R	7275	0.92	0.41	0.0	1.8
S3LIV75R	6499	0.92	0.42	0.0	1.7
S4LIV75R	6964	0.92	0.40	0.0	1.7
S5LIV75R	6113	0.92	0.38	0.0	1.7
S6LIV75R	5077	0.89	0.37	0.0	1.6
S7LIV75R	6302	0.87	0.38	0.0	1.6
S8LIV75R	4738	0.85	0.38	0.0	1.6
S9LIV75R	3848	0.87	0.36	0.0	1.6
S10LIV75R	6641	0.83	0.39	0.0	1.5
S11LIV75R	6041	0.79	0.39	0.0	1.5
S12LIV75R	5059	0.79	0.38	0.0	1.5

General Comments

Questions about probability of living to a given age vary between the AHEAD and HRS entry cohorts in Waves 2 and 3, due to the difference in the age of the Respondents. Thus, AHEAD Respondents are not asked about living to age 75, since most of them are close to or past that age at the first interview. So for the AHEAD entry cohort in Waves 2A and 3A, RwLIV75 and related variables (RwLIV75R, RwLIV75C, and RwLIV75F) are set to .Q to indicate that the information is not available. If an AHEAD Respondent is 75 or younger, RwLIV75P is set for them; if older than 75, RwLIV75P is set to 100.

In Waves 1, 2H, 3H, and 4, questions ask the Respondent the probability of living to age 85. In Wave 4, few of the AHEAD Respondents are young enough to be asked this question. To accommodate older Respondents, in Waves 2A, 3A, and from Wave 5 forward, the question does not always ask the probability of living to age 85, but asks the probability of living to an age from 80 to 100, depending on the Respondent's age. From Wave 5 on, the wording depends on the Respondent's age at the interview. In Waves 2A and 3A, the wording depends on birth year and is the same in both waves, even though Respondents are usually two years older in Wave 3A. So the age used to determine question wording in these waves is age in 1993.

These two different versions of the variables are named differently to alert the user to the inconsistencies in the questions. The Wave 1, 2H, 3H, and 4 variables are named RwLIV85, RwLIV85P, and RwLIV85R, while the Wave 2A, 3A, and from Wave 5 forward variables are named RwLIV10 (for 10 or so more years), RwLIV10P, and RwLIV10R. Changes in these probabilities from those given in a previous wave are used to measure change in health status in variables RwLIV75C, RwLIV85C, and R2LIV8XC. If the change uses RwLIV10R in the current or previous wave, then it is assigned to RwLIV8XC. If it uses RwLIV85R in both waves, it is assigned to RwLIV85C.

For AHEAD Respondents in Waves 2 and 3 (2A and 3A), RwLIV85, RwLIV85P, RwLIV85R, RwLIV85C, and RwLIV85F are set to .Q to indicate that this information is unavailable for this cohort in these waves. In addition, R4LIV85C and R4LIV85F are set to .Q for these cases, since the information is not available from a prior wave.

For HRS Respondents in Waves 2 and 3 (2H and 3H), RwLIV10, RwLIV10P, RwLIV10R, RwLIV8XC, and RwLIV8XF are set to .Q to indicate that these are inapplicable or unavailable for this cohort in these waves. In addition, R4LIV8XC and R4LIV8XF are set to .Q for these cases, since the prior wave information is completely based on RwLIV85 information.

How Constructed

RwLIV75 is the Respondent's self-reported probability of living to age 75.

RwLIV75P is the implied probability from the Vital Statistics life tables that someone of the Respondent's age and gender will live to be 75. RwLIV75R is the ratio between RwLIV75 and RwLIV75P.

The life tables used are the annual life tables for the year of the wave, e.g., the 1998 life table is used to derive R4LIV75P. As the 2012 life table is not currently available, the 2011 table is used for Waves 11 and 12. For Waves 3A and 3H, an alternate set of life tables, similar to those from the NCHS web page but providing estimates beyond age 85, were taken from the Berkeley Mortality Database. The probability of survival is calculated as the number surviving at age 75 divided by the number surviving to the Respondent's age, for males or females, as appropriate. SwLIV75, SwLIV75P, and SwLIV75R provide this information for the Respondent's spouse or partner.

In Wave 1 Respondent's self-reported probability is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise this variable simply recodes missing values. It is set to .S if the question is skipped because the interview is by proxy. From Wave 2H forward, it is set to .A if skipped because Respondent is older than 65. It is set to .X if the Respondent can not perform the probability question. .D means "Don't Know" and .R means the "Respondent refused to answer the question."

The spouse variable is taken from the wave "w" spouse's self-report, e.g., S3LIV75 is taken from the Wave 3 spouse's R3LIV75. Note this variable is also used to measure changes in health across waves. See the Health section of this document for the relevant variables (RwLIV75C).

This question is not asked in Wave 2A or 3A and so the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the question is asked in the Cognition section. In subsequent waves it is asked in the Expectations section.

In Wave 1, the question asks: "What do you think are the chances that you will live to be 75 or more?"

In subsequent waves, the question is: "(What is the percent chance) that you will live to be 75 or more?"

In Wave 1, the responses are on a scale of 0 to 10, with 0 meaning absolutely no chance and 10 meaning absolutely no chance. In subsequent waves responses are scaled from 0 to 100.

In all waves, the question is skipped if the interview is by proxy. Beginning in Wave 2H this question is skipped if Respondent is older than age 65. This question is not asked in Waves 2A and 3A.

HRS Variables Used

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HRS 1992:
    V5115           L7:FUTR:WILL LIVE TO 75+
HRS 1994:
    W5839           C6.CHANCE LIVE TO 75
HRS 1996:
    E3819           H8. CHANCE LIVE TO 75
HRS 1998:
    F4605           H11. CHANCE LIVE TO 75
HRS 2000:
    G5018           H11. CHANCE LIVE TO 75
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HP028           CHANCE R WILL LIVE TO BE AGE 75 OR MORE
HRS 2004:
    JA009           PROXY/SELF INTERVIEW
    JP028           CHANCE R WILL LIVE TO BE AGE 75 OR MORE
HRS 2006:
    KA009           PROXY/SELF INTERVIEW
    KP028           CHANCE R WILL LIVE TO BE AGE 75 OR MORE
HRS 2008:
    LA009           PROXY/SELF INTERVIEW
    LP028           CHANCE R WILL LIVE TO BE AGE 75 OR MORE
HRS 2010:
    MA009           PROXY/SELF INTERVIEW
    MP028           CHANCE R WILL LIVE TO BE AGE 75 OR MORE
HRS 2012:
    NA009           PROXY/SELF INTERVIEW
    NP028           CHANCE R WILL LIVE TO BE AGE 75 OR MORE
HRS 2014:
    OA009           PROXY/SELF INTERVIEW
    OP028           CHANCE R WILL LIVE TO BE AGE 75 OR MORE
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Self-reported probability of living to age 85

Wave	Variable	Label	Type
1	R1LIV85	R1LIV85:W1 R Probability to live 85+	Cont
2	R2LIV85	R2LIV85:W2 R Probability to live 85+	Cont
3	R3LIV85	R3LIV85:W3 R Probability to live 85+	Cont
4	R4LIV85	R4LIV85:W4 R Probability to live 85+	Cont
1	S1LIV85	S1LIV85:W1 S Probability to live 85+	Cont
2	S2LIV85	S2LIV85:W2 S Probability to live 85+	Cont
3	S3LIV85	S3LIV85:W3 S Probability to live 85+	Cont
4	S4LIV85	S4LIV85:W4 S Probability to live 85+	Cont
2	R2LIV10	R2LIV10:W2 R Probability to live 80-100	Cont
3	R3LIV10	R3LIV10:W3 R Probability to live 80-100	Cont
5	R5LIV10	R5LIV10:W5 R Probability to live 80-100	Cont
6	R6LIV10	R6LIV10:W6 R Probability to live 80-100	Cont
7	R7LIV10	R7LIV10:W7 R Probability to live 80-100	Cont
8	R8LIV10	R8LIV10:W8 R Probability to live 80-100	Cont
9	R9LIV10	R9LIV10:W9 R Probability to live 80-100	Cont
10	R10LIV10	R10LIV10:W10 R Probability to live 80-100	Cont
11	R11LIV10	R11LIV10:W11 R Probability to live 80-100	Cont
12	R12LIV10	R12LIV10:W12 R Probability to live 80-100	Cont
2	S2LIV10	S2LIV10:W2 S Probability to live 80-100	Cont
3	S3LIV10	S3LIV10:W3 S Probability to live 80-100	Cont
5	S5LIV10	S5LIV10:W5 S Probability to live 80-100	Cont
6	S6LIV10	S6LIV10:W6 S Probability to live 80-100	Cont
7	S7LIV10	S7LIV10:W7 S Probability to live 80-100	Cont
8	S8LIV10	S8LIV10:W8 S Probability to live 80-100	Cont
9	S9LIV10	S9LIV10:W9 S Probability to live 80-100	Cont
10	S10LIV10	S10LIV10:W10 S Probability to live 80-100	Cont
11	S11LIV10	S11LIV10:W11 S Probability to live 80-100	Cont
12	S12LIV10	S12LIV10:W12 S Probability to live 80-100	Cont
2	R2LIV10A	R2LIV10A:W2 Age used in live 80-100/85 Q	Cont
3	R3LIV10A	R3LIV10A:W3 Age used in live 80-100/85 Q	Cont
5	R5LIV10A	R5LIV10A:W5 Age used in live 80-100/85 Q	Cont
6	R6LIV10A	R6LIV10A:W6 Age used in live 80-100/85 Q	Cont
7	R7LIV10A	R7LIV10A:W7 Age used in live 80-100/85 Q	Cont
8	R8LIV10A	R8LIV10A:W8 Age used in live 80-100/85 Q	Cont
9	R9LIV10A	R9LIV10A:W9 Age used in live 80-100/85 Q	Cont
10	R10LIV10A	R10LIV10A:W10 Age used in live 80-100/85 Q	Cont
11	R11LIV10A	R11LIV10A:W11 Age used in live 80-100/85 Q	Cont
12	R12LIV10A	R12LIV10A:W12 Age used in live 80-100/85 Q	Cont
2	S2LIV10A	S2LIV10A:W2 Age used in live 80-100/85 Q	Cont
3	S3LIV10A	S3LIV10A:W3 Age used in live 80-100/85 Q	Cont
5	S5LIV10A	S5LIV10A:W5 Age used in live 80-100/85 Q	Cont
6	S6LIV10A	S6LIV10A:W6 Age used in live 80-100/85 Q	Cont
7	S7LIV10A	S7LIV10A:W7 Age used in live 80-100/85 Q	Cont
8	S8LIV10A	S8LIV10A:W8 Age used in live 80-100/85 Q	Cont
9	S9LIV10A	S9LIV10A:W9 Age used in live 80-100/85 Q	Cont
10	S10LIV10A	S10LIV10A:W10 Age used in live 80-100/85 Q	Cont
11	S11LIV10A	S11LIV10A:W11 Age used in live 80-100/85 Q	Cont
12	S12LIV10A	S12LIV10A:W12 Age used in live 80-100/85 Q	Cont
1	R1LIV85P	R1LIV85P:W1 LfTab prob live 85+/R curage	Cont
2	R2LIV85P	R2LIV85P:W2 LfTab prob live 85+/R curage	Cont
3	R3LIV85P	R3LIV85P:W3 LfTab prob live 85+/R curage	Cont
4	R4LIV85P	R4LIV85P:W4 LfTab prob live 85+/R curage	Cont
1	S1LIV85P	S1LIV85P:W1 LfTab prob live 85+/R curage	Cont
2	S2LIV85P	S2LIV85P:W2 LfTab prob live 85+/R curage	Cont
3	S3LIV85P	S3LIV85P:W3 LfTab prob live 85+/R curage	Cont
4	S4LIV85P	S4LIV85P:W4 LfTab prob live 85+/R curage	Cont
2	R2LIV10P	R2LIV10P:W2 LfTab prob live 80-100/R curage	Cont
3	R3LIV10P	R3LIV10P:W3 LfTab prob live 80-100/R curage	Cont

5	R5LIV10P	R5LIV10P:W5 LfTab prob live 80-100/R curage	Cont
6	R6LIV10P	R6LIV10P:W6 LfTab prob live 80-100/R curage	Cont
7	R7LIV10P	R7LIV10P:W7 LfTab prob live 80-100/R curage	Cont
8	R8LIV10P	R8LIV10P:W8 LfTab prob live 80-100/R curage	Cont
9	R9LIV10P	R9LIV10P:W9 LfTab prob live 80-100/R curage	Cont
10	R10LIV10P	R10LIV10P:W10 LfTab prob live 80-100/R curage	Cont
11	R11LIV10P	R11LIV10P:W11 LfTab prob live 80-100/R curage	Cont
12	R12LIV10P	R12LIV10P:W12 LfTab prob live 80-100/R curage	Cont
2	S2LIV10P	S2LIV10P:W2 LfTab prob live 80-100/R curage	Cont
3	S3LIV10P	S3LIV10P:W3 LfTab prob live 80-100/R curage	Cont
5	S5LIV10P	S5LIV10P:W5 LfTab prob live 80-100/R curage	Cont
6	S6LIV10P	S6LIV10P:W6 LfTab prob live 80-100/R curage	Cont
7	S7LIV10P	S7LIV10P:W7 LfTab prob live 80-100/R curage	Cont
8	S8LIV10P	S8LIV10P:W8 LfTab prob live 80-100/R curage	Cont
9	S9LIV10P	S9LIV10P:W9 LfTab prob live 80-100/R curage	Cont
10	S10LIV10P	S10LIV10P:W10 LfTab prob live 80-100/R curage	Cont
11	S11LIV10P	S11LIV10P:W11 LfTab prob live 80-100/R curage	Cont
12	S12LIV10P	S12LIV10P:W12 LfTab prob live 80-100/R curage	Cont
1	R1LIV85R	R1LIV85R:W1 Rprob live 85+ / LfTab prob	Cont
2	R2LIV85R	R2LIV85R:W2 Rprob live 85+ / LfTab prob	Cont
3	R3LIV85R	R3LIV85R:W3 Rprob live 85+ / LfTab prob	Cont
4	R4LIV85R	R4LIV85R:W4 Rprob live 85+ / LfTab prob	Cont
1	S1LIV85R	S1LIV85R:W1 Rprob live 85+ / LfTab prob	Cont
2	S2LIV85R	S2LIV85R:W2 Rprob live 85+ / LfTab prob	Cont
3	S3LIV85R	S3LIV85R:W3 Rprob live 85+ / LfTab prob	Cont
4	S4LIV85R	S4LIV85R:W4 Rprob live 85+ / LfTab prob	Cont
2	R2LIV10R	R2LIV10R:W2 Rprob live 80-100 / LfTab prob	Cont
3	R3LIV10R	R3LIV10R:W3 Rprob live 80-100 / LfTab prob	Cont
5	R5LIV10R	R5LIV10R:W5 Rprob live 80-100 / LfTab prob	Cont
6	R6LIV10R	R6LIV10R:W6 Rprob live 80-100 / LfTab prob	Cont
7	R7LIV10R	R7LIV10R:W7 Rprob live 80-100 / LfTab prob	Cont
8	R8LIV10R	R8LIV10R:W8 Rprob live 80-100 / LfTab prob	Cont
9	R9LIV10R	R9LIV10R:W9 Rprob live 80-100 / LfTab prob	Cont
10	R10LIV10R	R10LIV10R:W10 Rprob live 80-100 / LfTab prob	Cont
11	R11LIV10R	R11LIV10R:W11 Rprob live 80-100 / LfTab prob	Cont
12	R12LIV10R	R12LIV10R:W12 Rprob live 80-100 / LfTab prob	Cont
2	S2LIV10R	S2LIV10R:W2 Rprob live 80-100 / LfTab prob	Cont
3	S3LIV10R	S3LIV10R:W3 Rprob live 80-100 / LfTab prob	Cont
5	S5LIV10R	S5LIV10R:W5 Rprob live 80-100 / LfTab prob	Cont
6	S6LIV10R	S6LIV10R:W6 Rprob live 80-100 / LfTab prob	Cont
7	S7LIV10R	S7LIV10R:W7 Rprob live 80-100 / LfTab prob	Cont
8	S8LIV10R	S8LIV10R:W8 Rprob live 80-100 / LfTab prob	Cont
9	S9LIV10R	S9LIV10R:W9 Rprob live 80-100 / LfTab prob	Cont
10	S10LIV10R	S10LIV10R:W10 Rprob live 80-100 / LfTab prob	Cont
11	S11LIV10R	S11LIV10R:W11 Rprob live 80-100 / LfTab prob	Cont
12	S12LIV10R	S12LIV10R:W12 Rprob live 80-100 / LfTab prob	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIV85	11740	43.47	32.28	0.0	100.0
R2LIV85	10163	42.02	31.28	0.0	100.0
R3LIV85	9583	45.16	33.16	0.0	100.0
R4LIV85	9303	43.54	31.89	0.0	100.0
S1LIV85	9133	43.62	31.82	0.0	100.0
S2LIV85	7755	42.05	30.81	0.0	100.0
S3LIV85	7219	45.33	32.63	0.0	100.0
S4LIV85	6897	43.33	31.31	0.0	100.0

R2LIV10	6141	43.18	34.85	0.0	100.0
R3LIV10	5338	50.24	32.88	0.0	100.0
R5LIV10	15579	49.56	31.82	0.0	100.0
R6LIV10	14420	48.63	32.08	0.0	100.0
R7LIV10	16780	49.04	32.35	0.0	100.0
R8LIV10	15467	45.30	32.15	0.0	100.0
R9LIV10	14450	48.29	31.73	0.0	100.0
R10LIV10	18911	45.77	32.61	0.0	100.0
R11LIV10	17925	45.21	32.20	0.0	100.0
R12LIV10	16452	45.73	32.13	0.0	100.0
S2LIV10	3423	45.88	33.94	0.0	100.0
S3LIV10	2929	52.44	31.67	0.0	100.0
S5LIV10	10469	50.85	31.04	0.0	100.0
S6LIV10	9540	50.25	31.09	0.0	100.0
S7LIV10	11137	50.27	31.61	0.0	100.0
S8LIV10	10171	46.40	31.35	0.0	100.0
S9LIV10	9300	49.23	30.46	0.0	100.0
S10LIV10	11938	46.50	31.54	0.0	100.0
S11LIV10	11256	45.59	31.36	0.0	100.0
S12LIV10	9995	46.35	31.00	0.0	100.0
R2LIV10A	7930	89.12	5.63	80.0	100.0
R3LIV10A	6803	88.83	5.57	80.0	100.0
R5LIV10A	19142	83.93	6.01	80.0	100.0
R6LIV10A	17603	84.26	6.13	80.0	100.0
R7LIV10A	19431	83.90	6.00	80.0	100.0
R8LIV10A	17948	86.32	5.20	80.0	100.0
R9LIV10A	16675	86.56	5.36	80.0	100.0
R10LIV10A	21457	86.39	4.60	80.0	100.0
R11LIV10A	19951	86.62	4.72	80.0	100.0
R12LIV10A	18139	86.71	4.91	80.0	100.0
S2LIV10A	4293	87.51	5.46	80.0	100.0
S3LIV10A	3552	87.24	5.33	80.0	100.0
S5LIV10A	12667	82.78	4.96	80.0	100.0
S6LIV10A	11500	83.09	5.10	80.0	100.0
S7LIV10A	12699	82.90	5.04	80.0	100.0
S8LIV10A	11658	85.59	4.43	80.0	100.0
S9LIV10A	10564	85.82	4.67	80.0	100.0
S10LIV10A	13421	85.85	4.06	80.0	100.0
S11LIV10A	12396	86.05	4.26	80.0	100.0
S12LIV10A	10941	86.11	4.44	80.0	100.0
R1LIV85P	12651	37.44	8.86	24.1	100.0
R2LIV85P	11419	37.87	8.33	24.4	88.4
R3LIV85P	10964	39.21	7.92	25.5	100.0
R4LIV85P	21384	49.64	18.17	26.9	100.0
S1LIV85P	9900	36.83	8.82	24.1	100.0
S2LIV85P	8739	37.17	8.31	24.4	88.4
S3LIV85P	8306	38.52	7.94	25.5	100.0
S4LIV85P	13978	45.13	14.33	26.9	100.0
R2LIV10P	7930	34.61	19.11	1.9	72.5
R3LIV10P	6803	38.59	19.38	2.6	100.0
R5LIV10P	19142	49.33	18.15	1.8	100.0
R6LIV10P	17603	49.94	18.67	3.5	100.0
R7LIV10P	19431	52.33	17.90	4.1	90.6

R8LIV10P	17948	43.53	17.54	2.8	100.0
R9LIV10P	16675	44.81	18.54	1.1	100.0
R10LIV10P	21457	45.30	16.13	2.8	77.1
R11LIV10P	19951	45.08	16.48	2.8	77.3
R12LIV10P	18132	45.10	17.06	2.8	77.3
S2LIV10P	4293	37.77	19.81	1.9	72.5
S3LIV10P	3552	41.65	19.78	2.6	75.9
S5LIV10P	12667	51.60	15.72	1.8	100.0
S6LIV10P	11500	52.22	16.33	3.5	78.8
S7LIV10P	12699	54.22	15.71	4.1	83.9
S8LIV10P	11658	44.50	15.90	2.8	92.6
S9LIV10P	10564	46.01	16.93	2.6	100.0
S10LIV10P	13421	46.04	15.06	2.8	77.1
S11LIV10P	12396	45.93	15.59	2.8	77.3
S12LIV10P	10935	46.04	16.03	2.8	77.3
R1LIV85R	11739	1.20	0.95	0.0	4.0
R2LIV85R	10162	1.14	0.90	0.0	4.1
R3LIV85R	9583	1.18	0.90	0.0	3.8
R4LIV85R	9303	1.12	0.85	0.0	3.6
S1LIV85R	9133	1.22	0.95	0.0	4.0
S2LIV85R	7755	1.16	0.90	0.0	4.1
S3LIV85R	7219	1.20	0.90	0.0	3.6
S4LIV85R	6897	1.13	0.85	0.0	3.6
R2LIV10R	6141	1.87	3.49	0.0	47.0
R3LIV10R	5338	1.79	2.86	0.0	37.8
R5LIV10R	15554	1.23	1.76	0.0	31.6
R6LIV10R	14420	1.15	1.50	0.0	25.5
R7LIV10R	16780	1.07	1.27	0.0	24.3
R8LIV10R	15467	1.28	1.96	0.0	35.7
R9LIV10R	14450	1.42	2.40	0.0	38.3
R10LIV10R	18911	1.20	1.79	0.0	35.6
R11LIV10R	17925	1.23	1.91	0.0	35.1
R12LIV10R	16448	1.26	1.96	0.0	35.1
S2LIV10R	3423	1.77	3.27	0.0	47.0
S3LIV10R	2929	1.70	2.66	0.0	37.8
S5LIV10R	10462	1.14	1.48	0.0	31.6
S6LIV10R	9540	1.09	1.28	0.0	25.5
S7LIV10R	11137	1.02	1.07	0.0	21.9
S8LIV10R	10171	1.22	1.70	0.0	35.7
S9LIV10R	9300	1.34	2.19	0.0	34.5
S10LIV10R	11938	1.17	1.65	0.0	35.6
S11LIV10R	11256	1.18	1.76	0.0	35.1
S12LIV10R	9992	1.22	1.81	0.0	31.6

How Constructed

Please see General Comments section of "Self-Reported probability of living to age 75" for details of how this item was asked across questionnaires.

RwLIV85 is the Respondent's self-reported probability of living to age 85. For Waves 2A, 3A and from Wave 5

forward the variable measures the self-reported probability of living about another 10 years, and the name of the variables (RwLIV10) reflects this change. Except in Wave 8, for Respondents who are under 70 years old at the particular wave, RwLIV10 is the self-reported probability of living to age 80; for those 70 to 74, it is the probability of living to age 85; and so on. From Wave 8 forward, Respondents under 65 are asked about living to age 85 and those from 65 to 69 are asked about living to age 80. RwLIV10A gives the specific age used in the question, which ranges from 80 to 100, in Waves 2, 3, and Wave 5 forward. In Waves 1 and 4, the question asked about age 85 in all cases.

RwLIV85P is the implied probability from the Vital Statistics life tables that someone of the Respondent's age and gender will live to be 85. RwLIV10P is the implied probability that someone of the Respondent's age and gender will live to be the age used in the Wave 5 question. The life tables used are the annual life tables for the year of the wave, e.g., the 1998 life table is used to derive R4LIV85P and the 2000 life table is used to derive R5LIV10P. As the 2012 life table is not currently available, the 2011 table is used for Waves 11 and 12. For Waves 3A and 3H, an alternate set of life tables, similar to those from the NCHS web page but providing estimates beyond age 85, were taken from the Berkeley Mortality Database. The probability of survival is calculated as the number surviving at age 85 (or 90, 95, or 100) divided by the number surviving to Respondent's age, for males or females, as appropriate.

RwLIV85R is the ratio between RwLIV85 and RwLIV85P. RwLIV10R is the ratio between RwLIV10 and RwLIV10P.

SwLIV85, SwLIV85P, SwLIV85R, SwLIV10, SwLIV10P, and SwLIV10R provide this information for the Respondent's spouse or partner.

In the question preceding the one from which these variables are derived, which asks the chances of living to age 75, if Respondent responds "absolutely no chance" (=0), this variable is set to the same. It is assumed that if the Respondent reports no chance of living to age 75 that he/she would report no chance of living to an older age. If the analyst needs to know the cases where RwLIV85/10 is logically imputed using RwLIV75, s/he can simply check RwLIV75 for a value of zero.

In Wave 1 the Respondent's self-reported probability is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise the derivation of RwLIV85 and RwLIV10 simply recodes missing values. It is set to .S if the question is skipped because the interview is by proxy. It is set to .X if the Respondent can not perform the probability question. .D means Don't Know and .R means the Respondent refused to answer the question. For Waves 2H to 4, it is set to .A if skipped because Respondent is older than 75. In Wave 5, it is set to .A if skipped because Respondent is older than 90. Note that in Wave 4, inappropriate skips (Respondent is 66 to 75) appear as other missings (.M).

RwLIV85P and RwLIV10P are calculated from the Vital Statistics life tables, using the Respondent's age and gender, as the probability of living to the target age, 85 and the age used in the Wave 2A, 3A and 5 question, given that the Respondent has lived to his/her current age. The calculation divides the total population at the target age by the total population at the Respondent's current age.

The derivation assigns the ratio, RwLIV85 / RwLIV85P, to RwLIV85R. It assigns the ratio, RwLIV10 / RwLIV10P, to RwLIV10R. The spouse variables are taken from the wave "w" spouse's self-report, e.g., S3LIV85 is taken from the Wave 3 spouse's R3LIV85. Note this variable is also used to measure changes in health across waves. See the Health section of this document for the relevant variables (e.g., RwLIV85C).

In Waves 2A and 3A, the data needed to derive R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are not collected. R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are set to .Q to indicate that this information is not available for AHEAD Respondents in these waves.

In Waves 2H and 3H, the data needed to derive R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are not collected. R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are set to .Q to indicate that this information is not available for HRS Respondents in these waves.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the question is asked in the Cognition section. In subsequent waves it is asked in the Expectations section. It always follows a question that asks the chance that the Respondent will live to be 75 or more. If Respondent responds "absolutely no chance" to that question, this question is skipped.

In Wave 1, the question asks: And how about the chances that you will live to be 85 or more?

In Waves 2H to 4, the question is: What is the percent chance that you will live to be 85 or more?

In Waves 2A, 3A and from Wave 5 forward, the question is changed to reflect the chance that Respondent will live about another 10 years. The question wording depends on Respondent's age: "What is the percent chance that you will live to be (80, 85, 90, 95, or 100) or more?" In Waves 2A, 3A, 5, 6, and 7 if Respondent is 69 or less, it uses 80; if 70-74 it uses 85; if 75-79 it uses 90; if 80-84 it uses 95; and if 85-89 it uses 100. In Wave 8 if Respondent is under 65, it uses 85; if 65-69 it uses 80; if 70-74 it uses 85; if 75-79 it uses 90; if 80-84 it uses 95; and if 85-89 it uses 100.

In Wave 1, the responses are on a scale of 0 to 10, with 0 meaning absolutely no chance and 10 meaning absolutely no chance. In subsequent waves responses are scaled from 0 to 100.

In all waves, the question is skipped if the interview is by proxy. In Waves 2H and 3H, this question is skipped if Respondent is older than age 75. In Wave 4, the documentation indicates that the question is skipped if Respondent is older than age 75, but in the data it appears that the question is skipped if Respondent is older than 65. In Wave 2A, 3A and 5, this question is skipped if Respondent is 90 or older.

For AHEAD Respondents in Waves 2A and 3A, the information for R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are not available.

For HRS Respondents in Waves 2H and 3H, the information for R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are not available.

HRS Variables Used

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HRS 1992:
    V5116           L8:FUTR:WILL LIVE TO 85+
AHEAD 1993:
    B114            A1. BIRTH YEAR
    B1285           H7. EXPECT LIVE TO AGE
HRS 1994:
    W5840           C7.CHANCE LIVE TO 85
AHEAD 1995:
    D373            R BIRTH YEAR
    D3788           H2.EXP:LIVE 5 YR
HRS 1996:
    E3821           H9. CHANCE LIVE TO 85
HRS 1998:
    F4607           H12. CHANCE LIVE TO 85
HRS 2000:
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    G1101           A21Y1.R-CURRENT AGE
    G5020           H12. CHANCE LIVE TO 85
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HA019           R CURRENT AGE CALCULATION
    HP029           CHANCE R WILL LIVE TO 80/85/90/95/100
HRS 2004:
    JA009           PROXY/SELF INTERVIEW
    JA019           R CURRENT AGE CALCULATION
    JP029           CHANCE R WILL LIVE TO 80/85/90/95/100
HRS 2006:
    KA009           PROXY/SELF INTERVIEW
    KA019           R CURRENT AGE CALCULATION
    KP029           CHANCE R WILL LIVE TO 80/85/90/95/100
HRS 2008:
    LA009           PROXY/SELF INTERVIEW
    LA019           R CURRENT AGE CALCULATION
    LP029           CHANCE R WILL LIVE TO 80/85/90/95/100
HRS 2010:
    MA009           PROXY/SELF INTERVIEW
    MA019           R CURRENT AGE CALCULATION
    MP029           CHANCE R WILL LIVE TO 80/85/90/95/100
HRS 2012:
    NA009           PROXY/SELF INTERVIEW
    NA019           R CURRENT AGE CALCULATION
    NP029           CHANCE R WILL LIVE TO 80/85/90/95/100
HRS 2014:
    OA009           PROXY/SELF INTERVIEW
    OA019           R CURRENT AGE CALCULATION
    OP029           CHANCE R WILL LIVE TO 80/85/90/95/100
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Change in Health: Self-reported Mortality Expectations

Wave	Variable	Label	Type
2	R2LIV75C	R2LIV75C:W2 Chg live 75+: R/LfTab ratio	Cont
3	R3LIV75C	R3LIV75C:W3 Chg live 75+: R/LfTab ratio	Cont
4	R4LIV75C	R4LIV75C:W4 Chg live 75+: R/LfTab ratio	Cont
5	R5LIV75C	R5LIV75C:W5 Chg live 75+: R/LfTab ratio	Cont
6	R6LIV75C	R6LIV75C:W6 Chg live 75+: R/LfTab ratio	Cont
7	R7LIV75C	R7LIV75C:W7 Chg live 75+: R/LfTab ratio	Cont
8	R8LIV75C	R8LIV75C:W8 Chg live 75+: R/LfTab ratio	Cont
9	R9LIV75C	R9LIV75C:W9 Chg live 75+: R/LfTab ratio	Cont
10	R10LIV75C	R10LIV75C:W10 Chg live 75+: R/LfTab ratio	Cont
11	R11LIV75C	R11LIV75C:W11 Chg live 75+: R/LfTab ratio	Cont
12	R12LIV75C	R12LIV75C:W12 Chg live 75+: R/LfTab ratio	Cont
2	S2LIV75C	S2LIV75C:W2 Chg live 75+: R/LfTab ratio	Cont
3	S3LIV75C	S3LIV75C:W3 Chg live 75+: R/LfTab ratio	Cont
4	S4LIV75C	S4LIV75C:W4 Chg live 75+: R/LfTab ratio	Cont
5	S5LIV75C	S5LIV75C:W5 Chg live 75+: R/LfTab ratio	Cont
6	S6LIV75C	S6LIV75C:W6 Chg live 75+: R/LfTab ratio	Cont
7	S7LIV75C	S7LIV75C:W7 Chg live 75+: R/LfTab ratio	Cont
8	S8LIV75C	S8LIV75C:W8 Chg live 75+: R/LfTab ratio	Cont
9	S9LIV75C	S9LIV75C:W9 Chg live 75+: R/LfTab ratio	Cont
10	S10LIV75C	S10LIV75C:W10 Chg live 75+: R/LfTab ratio	Cont
11	S11LIV75C	S11LIV75C:W11 Chg live 75+: R/LfTab ratio	Cont
12	S12LIV75C	S12LIV75C:W12 Chg live 75+: R/LfTab ratio	Cont
2	R2LIV85C	R2LIV85C:W2 Chg live 85+: R/LfTab ratio	Cont
3	R3LIV85C	R3LIV85C:W3 Chg live 85+: R/LfTab ratio	Cont
4	R4LIV85C	R4LIV85C:W4 Chg live 85+: R/LfTab ratio	Cont
2	S2LIV85C	S2LIV85C:W2 Chg live 85+: R/LfTab ratio	Cont
3	S3LIV85C	S3LIV85C:W3 Chg live 85+: R/LfTab ratio	Cont
4	S4LIV85C	S4LIV85C:W4 Chg live 85+: R/LfTab ratio	Cont
2	R2LIV8XC	R2LIV8XC:W2 Chg live 80-100: R/LfTab ratio	Cont
3	R3LIV8XC	R3LIV8XC:W3 Chg live 80-100: R/LfTab ratio	Cont
4	R4LIV8XC	R4LIV8XC:W4 Chg live 80-100: R/LfTab ratio	Cont
5	R5LIV8XC	R5LIV8XC:W5 Chg live 80-100: R/LfTab ratio	Cont
6	R6LIV8XC	R6LIV8XC:W6 Chg live 80-100: R/LfTab ratio	Cont
7	R7LIV8XC	R7LIV8XC:W7 Chg live 80-100: R/LfTab ratio	Cont
8	R8LIV8XC	R8LIV8XC:W8 Chg live 80-100: R/LfTab ratio	Cont
9	R9LIV8XC	R9LIV8XC:W9 Chg live 80-100: R/LfTab ratio	Cont
10	R10LIV8XC	R10LIV8XC:W10 Chg live 80-100: R/LfTab ratio	Cont
11	R11LIV8XC	R11LIV8XC:W11 Chg live 80-100: R/LfTab ratio	Cont
12	R12LIV8XC	R12LIV8XC:W12 Chg live 80-100: R/LfTab ratio	Cont
2	S2LIV8XC	S2LIV8XC:W2 Chg live 80-100: R/LfTab ratio	Cont
3	S3LIV8XC	S3LIV8XC:W3 Chg live 80-100: R/LfTab ratio	Cont
4	S4LIV8XC	S4LIV8XC:W4 Chg live 80-100: R/LfTab ratio	Cont
5	S5LIV8XC	S5LIV8XC:W5 Chg live 80-100: R/LfTab ratio	Cont
6	S6LIV8XC	S6LIV8XC:W6 Chg live 80-100: R/LfTab ratio	Cont
7	S7LIV8XC	S7LIV8XC:W7 Chg live 80-100: R/LfTab ratio	Cont
8	S8LIV8XC	S8LIV8XC:W8 Chg live 80-100: R/LfTab ratio	Cont
9	S9LIV8XC	S9LIV8XC:W9 Chg live 80-100: R/LfTab ratio	Cont
10	S10LIV8XC	S10LIV8XC:W10 Chg live 80-100: R/LfTab ratio	Cont
11	S11LIV8XC	S11LIV8XC:W11 Chg live 80-100: R/LfTab ratio	Cont
12	S12LIV8XC	S12LIV8XC:W12 Chg live 80-100: R/LfTab ratio	Cont
2	R2LIV75F	R2LIV75F:W2 Flag LIV75C, # prv iw	Categ
3	R3LIV75F	R3LIV75F:W3 Flag LIV75C, # prv iw	Categ
4	R4LIV75F	R4LIV75F:W4 Flag LIV75C, # prv iw	Categ
5	R5LIV75F	R5LIV75F:W5 Flag LIV75C, # prv iw	Categ
6	R6LIV75F	R6LIV75F:W6 Flag LIV75C, # prv iw	Categ
7	R7LIV75F	R7LIV75F:W7 Flag LIV75C, # prv iw	Categ
8	R8LIV75F	R8LIV75F:W8 Flag LIV75C, # prv iw	Categ
9	R9LIV75F	R9LIV75F:W9 Flag LIV75C, # prv iw	Categ
10	R10LIV75F	R10LIV75F:W10 Flag LIV75C, # prv iw	Categ
11	R11LIV75F	R11LIV75F:W11 Flag LIV75C, # prv iw	Categ

12	R12LIV75F	R12LIV75F:W12 Flag LIV75C, # prv iw	Categ
2	S2LIV75F	S2LIV75F:W2 Flag LIV75C, # prv iw	Categ
3	S3LIV75F	S3LIV75F:W3 Flag LIV75C, # prv iw	Categ
4	S4LIV75F	S4LIV75F:W4 Flag LIV75C, # prv iw	Categ
5	S5LIV75F	S5LIV75F:W5 Flag LIV75C, # prv iw	Categ
6	S6LIV75F	S6LIV75F:W6 Flag LIV75C, # prv iw	Categ
7	S7LIV75F	S7LIV75F:W7 Flag LIV75C, # prv iw	Categ
8	S8LIV75F	S8LIV75F:W8 Flag LIV75C, # prv iw	Categ
9	S9LIV75F	S9LIV75F:W9 Flag LIV75C, # prv iw	Categ
10	S10LIV75F	S10LIV75F:W10 Flag LIV75C, # prv iw	Categ
11	S11LIV75F	S11LIV75F:W11 Flag LIV75C, # prv iw	Categ
12	S12LIV75F	S12LIV75F:W12 Flag LIV75C, # prv iw	Categ
2	R2LIV85F	R2LIV85F:W2 Flag LIV85C, # prv iw	Categ
3	R3LIV85F	R3LIV85F:W3 Flag LIV85C, # prv iw	Categ
4	R4LIV85F	R4LIV85F:W4 Flag LIV85C, # prv iw	Categ
2	S2LIV85F	S2LIV85F:W2 Flag LIV85C, # prv iw	Categ
3	S3LIV85F	S3LIV85F:W3 Flag LIV85C, # prv iw	Categ
4	S4LIV85F	S4LIV85F:W4 Flag LIV85C, # prv iw	Categ
2	R2LIV8XF	R2LIV8XF:W2 Flag LIV8XC, # prv iw	Categ
3	R3LIV8XF	R3LIV8XF:W3 Flag LIV8XC, # prv iw	Categ
4	R4LIV8XF	R4LIV8XF:W4 Flag LIV8XC, # prv iw	Categ
5	R5LIV8XF	R5LIV8XF:W5 Flag LIV8XC, # prv iw	Categ
6	R6LIV8XF	R6LIV8XF:W6 Flag LIV8XC, # prv iw	Categ
7	R7LIV8XF	R7LIV8XF:W7 Flag LIV8XC, # prv iw	Categ
8	R8LIV8XF	R8LIV8XF:W8 Flag LIV8XC, # prv iw	Categ
9	R9LIV8XF	R9LIV8XF:W9 Flag LIV8XC, # prv iw	Categ
10	R10LIV8XF	R10LIV8XF:W10 Flag LIV8XC, # prv iw	Categ
11	R11LIV8XF	R11LIV8XF:W11 Flag LIV8XC, # prv iw	Categ
12	R12LIV8XF	R12LIV8XF:W12 Flag LIV8XC, # prv iw	Categ
2	S2LIV8XF	S2LIV8XF:W2 Flag LIV8XC, # prv iw	Categ
3	S3LIV8XF	S3LIV8XF:W3 Flag LIV8XC, # prv iw	Categ
4	S4LIV8XF	S4LIV8XF:W4 Flag LIV8XC, # prv iw	Categ
5	S5LIV8XF	S5LIV8XF:W5 Flag LIV8XC, # prv iw	Categ
6	S6LIV8XF	S6LIV8XF:W6 Flag LIV8XC, # prv iw	Categ
7	S7LIV8XF	S7LIV8XF:W7 Flag LIV8XC, # prv iw	Categ
8	S8LIV8XF	S8LIV8XF:W8 Flag LIV8XC, # prv iw	Categ
9	S9LIV8XF	S9LIV8XF:W9 Flag LIV8XC, # prv iw	Categ
10	S10LIV8XF	S10LIV8XF:W10 Flag LIV8XC, # prv iw	Categ
11	S11LIV8XF	S11LIV8XF:W11 Flag LIV8XC, # prv iw	Categ
12	S12LIV8XF	S12LIV8XF:W12 Flag LIV8XC, # prv iw	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2LIV75C	9483	-0.04	0.41	-1.7	1.7
R3LIV75C	8252	-0.01	0.40	-1.7	1.6
R4LIV75C	6679	-0.03	0.39	-1.6	1.6
R5LIV75C	7594	-0.01	0.36	-1.6	1.5
R6LIV75C	6336	-0.04	0.34	-1.5	1.5
R7LIV75C	5291	-0.04	0.34	-1.6	1.5
R8LIV75C	5979	-0.04	0.36	-1.5	1.5
R9LIV75C	4968	0.01	0.35	-1.6	1.6
R10LIV75C	4192	-0.06	0.35	-1.5	1.5
R11LIV75C	8374	-0.04	0.37	-1.5	1.5
R12LIV75C	7414	-0.00	0.36	-1.4	1.4
S2LIV75C	7151	-0.04	0.40	-1.7	1.7
S3LIV75C	6074	0.00	0.40	-1.7	1.6
S4LIV75C	4898	-0.04	0.38	-1.6	1.5

S5LIV75C	5650	-0.01	0.36	-1.6	1.5
S6LIV75C	4699	-0.04	0.34	-1.5	1.5
S7LIV75C	3889	-0.04	0.33	-1.6	1.5
S8LIV75C	4363	-0.04	0.34	-1.5	1.5
S9LIV75C	3539	0.01	0.34	-1.6	1.6
S10LIV75C	2939	-0.06	0.33	-1.5	1.4
S11LIV75C	5457	-0.04	0.35	-1.5	1.5
S12LIV75C	4765	-0.01	0.35	-1.4	1.4
R2LIV85C	9886	-0.07	0.86	-3.8	3.7
R3LIV85C	8981	0.02	0.83	-3.7	3.6
R4LIV85C	6564	-0.08	0.78	-3.6	3.4
S2LIV85C	7545	-0.08	0.86	-3.8	3.7
S3LIV85C	6773	0.03	0.82	-3.7	3.6
S4LIV85C	4826	-0.10	0.78	-3.6	3.4
R2LIV8XC	89	0.19	1.29	-1.6	7.6
R3LIV8XC	4728	0.04	2.58	-31.8	37.8
R4LIV8XC	50	-0.03	0.64	-1.5	1.3
R5LIV8XC	8202	-0.24	0.75	-3.8	14.3
R6LIV8XC	13088	-0.01	1.44	-31.6	21.9
R7LIV8XC	12570	0.02	1.33	-19.9	20.4
R8LIV8XC	14315	0.23	1.65	-15.1	33.4
R9LIV8XC	13345	0.20	2.12	-33.6	37.5
R10LIV8XC	12329	-0.01	1.97	-34.5	28.5
R11LIV8XC	16578	0.10	1.75	-28.5	31.6
R12LIV8XC	15525	0.08	1.77	-29.2	28.0
S2LIV8XC	86	0.19	1.30	-1.6	7.6
S3LIV8XC	2641	-0.00	2.42	-31.8	37.3
S4LIV8XC	38	-0.06	0.67	-1.5	1.2
S5LIV8XC	6069	-0.25	0.74	-3.8	13.1
S6LIV8XC	8741	-0.00	1.23	-31.6	18.1
S7LIV8XC	8271	-0.00	1.13	-19.8	20.4
S8LIV8XC	9392	0.21	1.44	-9.7	33.4
S9LIV8XC	8600	0.15	1.96	-33.6	34.5
S10LIV8XC	7816	-0.03	1.81	-34.5	28.1
S11LIV8XC	10344	0.07	1.64	-28.5	31.6
S12LIV8XC	9427	0.07	1.57	-29.2	26.6
R2LIV75F	9483	0.00	0.00	0.0	0.0
R3LIV75F	8252	0.03	0.16	0.0	1.0
R4LIV75F	6679	0.04	0.23	0.0	2.0
R5LIV75F	7594	0.03	0.22	0.0	3.0
R6LIV75F	6336	0.06	0.34	0.0	4.0
R7LIV75F	5291	0.04	0.32	0.0	5.0
R8LIV75F	5979	0.02	0.21	0.0	6.0
R9LIV75F	4968	0.03	0.20	0.0	5.0
R10LIV75F	4192	0.06	0.33	0.0	5.0
R11LIV75F	8374	0.02	0.22	0.0	7.0
R12LIV75F	7414	0.03	0.21	0.0	4.0
S2LIV75F	7151	0.00	0.00	0.0	0.0
S3LIV75F	6074	0.02	0.15	0.0	1.0
S4LIV75F	4898	0.03	0.21	0.0	2.0
S5LIV75F	5650	0.02	0.17	0.0	3.0
S6LIV75F	4699	0.05	0.30	0.0	4.0
S7LIV75F	3889	0.03	0.31	0.0	5.0

S8LIV75F	4363	0.02	0.19	0.0	6.0
S9LIV75F	3539	0.02	0.17	0.0	5.0
S10LIV75F	2939	0.04	0.26	0.0	4.0
S11LIV75F	5457	0.02	0.21	0.0	4.0
S12LIV75F	4765	0.02	0.18	0.0	4.0
R2LIV85F	9886	0.00	0.00	0.0	0.0
R3LIV85F	8981	0.03	0.16	0.0	1.0
R4LIV85F	6564	0.04	0.23	0.0	2.0
S2LIV85F	7545	0.00	0.00	0.0	0.0
S3LIV85F	6773	0.02	0.14	0.0	1.0
S4LIV85F	4826	0.03	0.20	0.0	2.0
R2LIV8XF	89	0.00	0.00	0.0	0.0
R3LIV8XF	4728	0.00	0.01	0.0	1.0
R4LIV8XF	50	0.04	0.20	0.0	1.0
R5LIV8XF	8202	0.04	0.27	0.0	3.0
R6LIV8XF	13088	0.04	0.29	0.0	4.0
R7LIV8XF	12570	0.04	0.29	0.0	5.0
R8LIV8XF	14315	0.03	0.23	0.0	6.0
R9LIV8XF	13345	0.04	0.28	0.0	7.0
R10LIV8XF	12329	0.05	0.37	0.0	8.0
R11LIV8XF	16578	0.03	0.27	0.0	8.0
R12LIV8XF	15525	0.03	0.25	0.0	8.0
S2LIV8XF	86	0.00	0.00	0.0	0.0
S3LIV8XF	2641	0.00	0.02	0.0	1.0
S4LIV8XF	38	0.05	0.23	0.0	1.0
S5LIV8XF	6069	0.03	0.22	0.0	3.0
S6LIV8XF	8741	0.03	0.26	0.0	4.0
S7LIV8XF	8271	0.03	0.29	0.0	5.0
S8LIV8XF	9392	0.02	0.19	0.0	6.0
S9LIV8XF	8600	0.02	0.22	0.0	7.0
S10LIV8XF	7816	0.04	0.35	0.0	8.0
S11LIV8XF	10344	0.02	0.23	0.0	5.0
S12LIV8XF	9427	0.02	0.19	0.0	6.0

Categorical Variable Codes

Value	R2LIV75F	R3LIV75F	R4LIV75F	R5LIV75F	R6LIV75F	R7LIV75F
.M=Oth missing	1937	2712	14553	11985	11829	14838
.Q=Not applicable this wv	8222	7027	152			
0.Used IW-1	9483	8024	6496	7462	6095	5163
1.Used IW-2		228	120	82	172	79
2.Used IW-3			63	33	30	22
3.Used IW-4				17	23	14
4.Used IW-5					16	7
5.Used IW-6						6

Value	R8LIV75F	R9LIV75F	R10LIV75F	R11LIV75F	R12LIV75F
.M=Oth missing	12490	12249	17842	12180	11334
0.Used IW-1	5899	4837	4044	8273	7242
1.Used IW-2	48	118	84	48	147
2.Used IW-3	23	10	52	30	15
3.Used IW-4	6	2	6	21	6
4.Used IW-5	1		4	1	4
5.Used IW-6	1	1	2		
6.Used IW-7	1				
7.Used IW-8				1	

Value	S2LIV75F	S3LIV75F	S4LIV75F	S5LIV75F	S6LIV75F	S7LIV75F
.M=Oth missing	1588	2232	9027	7080	6940	9083
.Q=Not applicable this wv	4549	3704	53			
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	384	323	537	311	220	380
0.Used IW-1	7151	5937	4790	5583	4553	3821
1.Used IW-2		137	73	43	107	37
2.Used IW-3			35	19	18	13
3.Used IW-4				5	13	7
4.Used IW-5					8	6
5.Used IW-6						5

Value	S8LIV75F	S9LIV75F	S10LIV75F	S11LIV75F	S12LIV75F
.M=Oth missing	7372	7107	10574	7031	6266
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Used IW-1	4312	3478	2857	5394	4685
1.Used IW-2	30	54	50	29	66
2.Used IW-3	16	6	28	18	9
3.Used IW-4	4		3	15	3
4.Used IW-5			1	1	2
5.Used IW-6		1			
6.Used IW-7	1				

Value	R2LIV85F	R3LIV85F	R4LIV85F
.M=Oth missing	1534	1983	8869
.Q=Not applicable this wv	8222	7027	8447
0.Used IW-1	9886	8745	6384
1.Used IW-2		236	122
2.Used IW-3			58

Value	S2LIV85F	S3LIV85F	S4LIV85F
.M=Oth missing	1194	1533	6352
.Q=Not applicable this wv	4549	3704	2800
.U=Unmarried	5970	5658	6869
.V=Spouse NR	384	323	537
0.Used IW-1	7545	6628	4720
1.Used IW-2		145	75
2.Used IW-3			31

Value	R2LIV8XF	R3LIV8XF	R4LIV8XF	R5LIV8XF	R6LIV8XF	R7LIV8XF
.M=Oth missing	8133	2299	5901	11377	5077	7559
.Q=Not applicable this wv	11420	10964	29048			
0.Used IW-1	89	4727	48	7975	12758	12306
1.Used IW-2		1	2	141	210	170
2.Used IW-3				62	64	38
3.Used IW-4				24	36	29
4.Used IW-5					20	18
5.Used IW-6						9

Value	R8LIV8XF	R9LIV8XF	R10LIV8XF	R11LIV8XF	R12LIV8XF
.M=Oth missing	4154	3872	9705	3976	3223
0.Used IW-1	14086	13024	11998	16313	15222
1.Used IW-2	139	229	172	154	228
2.Used IW-3	67	47	86	54	41
3.Used IW-4	10	32	36	39	18
4.Used IW-5	7	5	19	9	9
5.Used IW-6	4	3	11	3	2
6.Used IW-7	2	3	4	1	4
7.Used IW-8		2	1	2	
8.Used IW-9			2	3	1

Value	S2LIV8XF	S3LIV8XF	S4LIV8XF	S5LIV8XF	S6LIV8XF	S7LIV8XF
.M=Oth missing	4263	968	2762	6661	2898	4701
.Q=Not applicable this wv	9123	8629	11178			
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	95	537	311	220	380
0.Used IW-1	86	2640	36	5949	8549	8137
1.Used IW-2		1	2	75	128	80
2.Used IW-3				36	34	20
3.Used IW-4				9	21	13
4.Used IW-5					9	13
5.Used IW-6						8

Value	S8LIV8XF	S9LIV8XF	S10LIV8XF	S11LIV8XF	S12LIV8XF
.M=Oth missing	2343	2046	5697	2144	1604
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Used IW-1	9283	8452	7639	10196	9297
1.Used IW-2	66	114	91	90	97
2.Used IW-3	35	20	47	26	19
3.Used IW-4	6	7	18	24	8
4.Used IW-5		3	12	7	5
5.Used IW-6		3	4	1	
6.Used IW-7	2		3		1
7.Used IW-8		1			
8.Used IW-9			2		

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If Respondent missed an interview due to non-response, the change is between the current and the last interview that Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" in the introductory section of this document.

RwLIV75C, RwLIV85C, and RwLIV8XC measure changes in the Respondent's self-reported probability of living to age 75, 85, and an age from 80 to 100, respectively, relative to the probabilities implied by Vital Statistics life tables.

At all waves except Waves 2A and 3A, questions ask the Respondent the probability of living to age 75. In Waves 1, 2H, 3H, and 4, questions also ask the Respondent the probability of living to age 85. For Wave 2A, 3A and from Wave 5 forward the question asks the self-reported probability of living about another 10 years, and the name of the variables (RwLIV10) reflects this change. For Respondents who are under 70 years old at the particular wave, RwLIV10 is the self-reported probability of living to age 80; for those 70 to 74, it is the probability of living to age 85; and so on. In Wave 8, the target age for those under 65 years old is 85.

Based on the Respondent's age and gender, a standard probability of living to 75 and 85, or, in Waves 2A, 3A, and from Wave 5 on, the target age in the question, is derived from the Vital Statistics life tables. RwLIV75R, RwLIV85R (for waves 1, 2H, 3H, and 4) and RwLIV10R (for Waves 2A, 3A, and 5) are the ratios between the self-reported and standard probability, and are derived as the self-report divided by the standard. The change variables are RwLIV75C, RwLIV85C, and RwLIV8XC. RwLIV85C is used when the change is measured between two RwLIV85R variables, and RwLIV8XC is used when the change measure uses any RwLIV10R variable in its derivation. The variables are derived as:

RwLIV75C = RwLIV75R - RpLIV75R

RwLIV85C = RwLIV85R - RpLIV85R, when both w and p are Wave 1, 2H, 3H, or 4

RwLIV8XC = RwLIV10R - RpLIV85R, when w is Wave 2A, 3A, or 5 and p is Wave 1, 2H, 3H, or 4

RwLIV8XC = RwLIV10R - RpLIV10R, when both w and p are Wave 2A, 3A or 5

RwLIV8XC = RwLIV85R - RpLIV10R, when w is Wave 4 and p is Wave 2A or 3A

where "w" means current wave and "p" means the previous interview. For example, if an individual responded to Waves 2H and 3H, R3LIV75C = R3LIV75R - R2LIV75R. Because of the wording difference in Waves 2A, 3A, and 5, the change measure RwLIV8XC is not very consistent and perhaps not useful.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwLIV75F, RwLIV85F, and RwLIV8XF indicate if there are any missed interviews prior to the current, and if so, how many. In other words, they indicate how far back the previous interview is, from which the change is measured. Their codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews; change = current - [current-4], and so on. If either the current or previous interview measure is missing, change is missing and the flag is set to .M.

For AHEAD entry cohort Respondents in Waves 2 and 3 (2A and 3A), RwLIV75C, RwLIV75F, RwLIV85C, and RwLIV85F are set to .Q to indicate that the information is not available for these Respondents. R4LIV75C, R4LIV75F, R4LIV85C, and R4LIV85F are also set to .Q, since there is no prior wave RwLIV85R available to derive these in Wave 4.

For HRS entry cohort Respondents in Waves 2 and 3 (2H and 3H), RwLIV8XC and RwLIV8XF are set to .Q to indicate that the information is not applicable for these Respondents. R4LIV8XC and R4LIV8XF are also set to .Q, since for these Respondents no prior wave RwLIV10R variable is available. RwLIV85C and RwLIV85F variables are available instead.

SwLIV75C, SwLIV85C, SwLIV75F, SwLIV85F, and SwLIV8XF are this information for the Respondent's spouse or partner. The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3LIV75C is taken from the Wave 3 spouse's R3LIV75C.

Please see the section on "Self-reported probability of living to age 75" and "Self-reported probability of living to age 85" in section I, "Retirement Plans, Expectations" for a description of the variables from which this change variable is derived.

General Comments

Questions about probability of living to a given age vary between the AHEAD and HRS entry cohorts in Waves 2 and 3, due to the difference in the age of the Respondents. Thus AHEAD Respondents are not asked about living to age 75, since most of them are close to or past that age at the first interview. So for the AHEAD entry cohort in Waves 2A and 3A, RwLIV75 and related variables (RwLIV75R, RwLIV75C, and RwLIV75F) are set to .Q to indicate that the information is not available. If an AHEAD Respondent is 75 or younger, RwLIV75P is set for them; if older than 75, RwLIV75P is set to 100.

In Waves 1, 2H, 3H, and 4 questions ask the Respondent the probability of living to age 85. In Wave 4, few of the AHEAD Respondents are young enough to be asked this question. To accommodate older Respondents, in Waves 2A, 3A, and from Wave 5 forward the question does not always ask the probability of living to age 85, but asks the probability of living to an age from 80 to 100, depending on the Respondent's age. From Wave 5 on, the wording depends on the Respondent's age at the interview. In Waves 2A and 3A, the wording depends on birth year and is the same in both waves, even though Respondents are usually two years older in Wave 3A. So the age used to determine question wording, in these waves, is age in 1993.

These two different versions of the variables are named differently to alert the user to the inconsistencies in the questions. The Wave 1, 2H, 3H, and 4 variables are named RwLIV85, RwLIV85P, and RwLIV85R, while the Wave 2A, 3A, and from Wave 5 forward variables are named RwLIV10 (for 10 or so more years), RwLIV10P, and RwLIV10R. Changes in these probabilities from those given in a previous wave are used to measure change in health status in variables RwLIV75C, RwLIV85C, and R2LIV8XC. If the change uses RwLIV10R in the current or previous wave, then it is assigned to RwLIV8XC. If it uses RwLIV85R in both waves, it is assigned to RwLIV85C.

For AHEAD Respondents in Waves 2 and 3 (2A and 3A), RwLIV85, RwLIV85P, RwLIV85R, RwLIV85C, and RwLIV85F are set to .Q to indicate that this information is unavailable for this cohort in these waves. In addition R4LIV85C and R4LIV85F are set to .Q for these cases, since the information is not available from a prior wave.

For HRS Respondents in Waves 2 and 3 (2H and 3H), RwLIV10, RwLIV10P, RwLIV10R, RwLIV8XC, and RwLIV8XF are set to .Q to indicate that these are inapplicable or unavailable for this cohort in these waves. In addition R4LIV8XC and R4LIV8XF are set to .Q for these cases, since the prior wave information is completely based on RwLIV85 information.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Categorical risk aversion: based on the set of "income gamble" questions

Wave	Variable	Label	Type
1	R1RISK	R1RISK:W1 R Income Risk Aversion	Categ
4	R4RISK	R4RISK:W4 R Income Risk Aversion	Categ
5	R5RISK	R5RISK:W5 R Income Risk Aversion	Categ
6	R6RISK	R6RISK:W6 R Income Risk Aversion	Categ
7	R7RISK	R7RISK:W7 R Income Risk Aversion	Categ
8	R8RISK	R8RISK:W8 R Income Risk Aversion	Categ
1	S1RISK	S1RISK:W1 S Income Risk Aversion	Categ
4	S4RISK	S4RISK:W4 S Income Risk Aversion	Categ
5	S5RISK	S5RISK:W5 S Income Risk Aversion	Categ
6	S6RISK	S6RISK:W6 S Income Risk Aversion	Categ
7	S7RISK	S7RISK:W7 S Income Risk Aversion	Categ
8	S8RISK	S8RISK:W8 S Income Risk Aversion	Categ
4	R4RISK6	R4RISK6:W4 R Income Risk Avers/6-categ	Categ
5	R5RISK6	R5RISK6:W5 R Income Risk Avers/6-categ	Categ
6	R6RISK6	R6RISK6:W6 R Income Risk Avers/6-categ	Categ
7	R7RISK6	R7RISK6:W7 R Income Risk Avers/6-categ	Categ
8	R8RISK6	R8RISK6:W8 R Income Risk Avers/6-categ	Categ
4	S4RISK6	S4RISK6:W4 S Income Risk Avers/6-categ	Categ
5	S5RISK6	S5RISK6:W5 S Income Risk Avers/6-categ	Categ
6	S6RISK6	S6RISK6:W6 S Income Risk Avers/6-categ	Categ
7	S7RISK6	S7RISK6:W7 S Income Risk Avers/6-categ	Categ
8	S8RISK6	S8RISK6:W8 S Income Risk Avers/6-categ	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RISK	11707	3.28	1.09	1.0	4.0
R4RISK	5149	3.25	1.09	1.0	4.0
R5RISK	1375	3.31	1.07	1.0	4.0
R6RISK	6141	3.29	1.06	1.0	4.0
R7RISK	2974	3.28	1.05	1.0	4.0
R8RISK	6443	3.32	1.04	1.0	4.0
S1RISK	9086	3.29	1.08	1.0	4.0
S4RISK	3599	3.26	1.08	1.0	4.0
S5RISK	865	3.31	1.05	1.0	4.0
S6RISK	4580	3.27	1.07	1.0	4.0
S7RISK	2070	3.30	1.04	1.0	4.0
S8RISK	4734	3.34	1.02	1.0	4.0
R4RISK6	5117	4.64	1.59	1.0	6.0
R5RISK6	1359	4.73	1.54	1.0	6.0
R6RISK6	6093	4.66	1.54	1.0	6.0
R7RISK6	2956	4.64	1.51	1.0	6.0
R8RISK6	6414	4.70	1.48	1.0	6.0
S4RISK6	3582	4.64	1.55	1.0	6.0
S5RISK6	859	4.71	1.51	1.0	6.0
S6RISK6	4546	4.63	1.54	1.0	6.0
S7RISK6	2058	4.66	1.49	1.0	6.0
S8RISK6	4712	4.72	1.45	1.0	6.0

Categorical Variable Codes

Value	R1RISK	R4RISK	R5RISK	R6RISK	R7RISK
.A=65+,not asked				9467	
.B=Skip, not selected		8631	15927		
.C=Cohort skipped		4984			15198
.D=DK	109	304	144	360	96
.M=Oth missing	194	123	3	24	15
.R=RF		150	68	137	44
.S=Skip,proxy IW	642	2043	2062	2036	1802
1.Least risk averse	1503	705	171	752	361
2.3rd most risk averse	1279	483	122	590	271
3.2nd most risk averse	1358	773	196	954	519
4.Most risk averse	7567	3188	886	3845	1823

Value	R8RISK
.A=65+,not asked	10380
.D=DK	297
.M=Oth missing	28
.R=RF	61
.S=Skip,proxy IW	1260
1.Least risk averse	713
2.3rd most risk averse	628
3.2nd most risk averse	980
4.Most risk averse	4122

Value	S1RISK	S4RISK	S5RISK	S6RISK	S7RISK
.A=65+,not asked				5368	
.B=Skip, not selected		6306	10358		
.C=Cohort skipped		2365			9616
.D=DK	77	148	59	233	57
.M=Oth missing	126	76		13	3
.R=RF		77	38	86	23
.S=Skip,proxy IW	611	1407	1410	1359	1203
.U=Unmarried	2373	6869	6538	6306	6777
.V=Spouse NR	379	537	311	220	380
1.Least risk averse	1128	475	106	564	242
2.3rd most risk averse	988	337	69	464	172
3.2nd most risk averse	1088	577	139	733	376
4.Most risk averse	5882	2210	551	2819	1280

Value	S8RISK
.A=65+,not asked	5948
.D=DK	201
.M=Oth missing	17
.R=RF	43
.S=Skip,proxy IW	792
.U=Unmarried	6417
.V=Spouse NR	317
1.Least risk averse	497
2.3rd most risk averse	455
3.2nd most risk averse	741
4.Most risk averse	3041

Value	R4RISK6	R5RISK6	R6RISK6	R7RISK6
.A=65+,not asked			9467	
.B=Skip,not selected	8631	15927		
.C=Cohort skipped	4984			15198
.D=DK	335	160	406	113
.M=Oth missing	123	3	24	15
.R=RF	151	68	139	45
.S=Skip, proxy IW	2043	2062	2036	1802
1.Least risk averse	323	71	363	157
2.2nd least risk averse	375	95	378	199
3.3rd least risk averse	483	122	590	271
4.3rd most risk averse	773	196	954	519
5.2nd most risk averse	863	239	1160	601
6.Most risk averse	2300	636	2648	1209

Value	R8RISK6
.A=65+,not asked	10380
.D=DK	325
.M=Oth missing	28
.R=RF	62
.S=Skip, proxy IW	1260
1.Least risk averse	283
2.2nd least risk averse	426
3.3rd least risk averse	628
4.3rd most risk averse	980
5.2nd most risk averse	1349
6.Most risk averse	2748

Value	S4RISK6	S5RISK6	S6RISK6	S7RISK6
.A=65+,not asked			5368	
.B=Skip,not selected	6306	10358		
.C=Cohort skipped	2365			9616
.D=DK	165	65	265	68
.M=Oth missing	76		13	3
.R=RF	77	38	88	24
.S=Skip, proxy IW	1407	1410	1359	1203
.U=Unmarried	6869	6538	6306	6777
.V=Spouse NR	537	311	220	380
1.Least risk averse	196	40	273	105
2.2nd least risk averse	275	66	284	133
3.3rd least risk averse	337	69	464	172
4.3rd most risk averse	577	139	733	376
5.2nd most risk averse	633	159	883	427
6.Most risk averse	1564	386	1909	845

Value	S8RISK6
.A=65+,not asked	5948
.D=DK	222
.M=Oth missing	17
.R=RF	44
.S=Skip, proxy IW	792
.U=Unmarried	6417
.V=Spouse NR	317
1.Least risk averse	192
2.2nd least risk averse	303
3.3rd least risk averse	455
4.3rd most risk averse	741
5.2nd most risk averse	1029
6.Most risk averse	1992

How Constructed

In these questions Respondent is asked to choose between pairs of jobs where one guarantees current family income and the other offers a chance to increase income but also carries the risk of loss of income. If Respondent says he/she would take the risk, the same scenario but with riskier odds is presented. If Respondent says he/she would not take the risk, the same scenario with less risky odds is asked.

In Wave 1, the pair of jobs presented are a hypothetical current job and a new one. From Wave 4 forward, the pair of jobs presented are both new jobs, given that Respondent will need to move and find a new job. These questions are not asked in Waves 2 and 3.

The variable RwRISK is set using the following four levels, listed from least to most risk-averse:

1. Respondent would take a job with even chances of doubling income or cutting it in half.

2. Respondent would take a job with even chances of doubling income or cutting it by a third.

3. Respondent would take a job with even chances of doubling income or cutting it 20%.

4. Respondent would take or stay in the job that guaranteed current income given any of the above alternatives.

From Waves 4 forward, additional questions are asked that allow two more categories:

1a. Less risk-averse than 1 above: Respondent would take a job with even chances of doubling income or cutting it by 75%.

4a. Between categories 3 and 4 above: Respondent would take a job with even chances of doubling income or cutting it by 10%.

These additional categories are used to derive RwRISK6. To allow comparison with Wave 1, RwRISK6 is recoded to the 4-category RwRISK variable. Respondents in category 1a are considered least risk-averse and those in 3a are considered most risk-averse in RwRISK. Thus codes 1 and 2 in RwRISK6 variable correspond to 1, codes 5 and 6 in RwRISK6 correspond to 4, and, codes 3 and 4 in RwRISK6 correspond to 2 and 3, respectively, in RwRISK.

These questions are not asked if the interview is by proxy. RwRISK and RwRISK6 are set to .S for proxy interviews.

From Wave 4 forward, Respondents are selected to answer these questions or not, based on a combination of their cohort, age, and/or random selection. Please see the "Cross-Wave Differences" for the variations across waves. If Respondent is not asked these questions by interview design, then RwRISK and RwRISK6 are set to .A, .B, or .C if skipped because of age, random selection, or cohort, respectively.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RISK.

Cross Wave Differences in Original HRS Data

In wave 1 the question wording is: "Suppose that you are the only income earner in the family, and you have a good job guaranteed to give you your current (family) income every year for life. You are given the opportunity to take a new and equally good job, with a 50-50 chance it will double your (family) income and a 50-50 chance that it will cut your (family) income by a third. Would you take the new job?"

If yes, then: "Suppose the chances were 50-50 that it would double your (family) income, and 50-50 that it would cut it in half. Would you still take the new job?"

If no, then: "Suppose the chances were 50-50 that it would double your (family) income and 50-50 that it would cut it by 20 percent. Would you then take the new job?"

In Waves 2 and 3, these questions are not asked.

From Wave 4 forward the question wording is: "Suppose that you are the only income earner in the family. Your doctor recommends that you move because of allergies, and you have to choose between two possible jobs. The first would guarantee your current total family income for life. The second is possibly better paying, but the income is also less certain. There is a 50-50 chance the second job would double your total lifetime income and a 50-50 chance that it would cut it by a third. Which job would you take – the first job or the second job?"

If first job is chosen in the first question, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by twenty percent. Would you take the first job or the second job?"

If first job is chosen in the second question again, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by 10 percent. Would you take the first job or the second job?"

If second job is chosen in the first question, then: "Suppose the chances were 50-50 that the second job would double your lifetime income, and 50-50 that it would cut it in half. Would you take the first job or the second job?"

If second job is chosen in the second question again, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by seventy-five percent. Would you take the first job or the second job?"

In all waves these questions are skipped if the interview is by proxy. Otherwise the sample asked these questions varies across waves.

In Wave 1, all self-reporting Respondents are asked these questions.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Waves 6 and 8 if person is 65 or older the questions are skipped. Otherwise, all other self-reporting Respondents are asked these questions.

In Wave 7 only the new EBB cohort is asked the questions.

In Wave 9 and forward, these questions are not asked.

HRS Variables Used

```
HRS 1992:
    V5122           L14:TAKE CHANCE NEW JOB
    V5123           L14A:B:CHANCE NEW JOB
HRS 1998:
    F4560           RISK AVERSION RANDOM NUMBER
    F4614           H18. RISK AVERSION-1
    F4615           H18A. RISK AVERSION-2
    F4616           H18B. RISK AVERSION-3
    F4617           H18C. RISK AVERSION-4
    F4618           H18D. RISK AVERSION-5
HRS 2000:
    G220            PR220.PREV WAVE MODULE # - UPDATED
    G5027           H18. RISK AVERSION-1
    G5033           H18A. RISK AVERSION-2
    G5034           H18B. RISK AVERSION-3
    G5035           H18C. RISK AVERSION-4
    G5036           H18D. RISK AVERSION-5
HRS 2002:
    HP036           RISK AVERSION ON THE JOB - 1
    HP037           RISK AVERSION ON THE JOB - 2
    HP038           RISK AVERSION ON THE JOB - 3
    HP039           RISK AVERSION ON THE JOB - 4
    HP040           RISK AVERSION ON THE JOB - 5
HRS 2004:
    JP036           RISK AVERSION ON THE JOB - 1
    JP037           RISK AVERSION ON THE JOB - 2
    JP038           RISK AVERSION ON THE JOB - 3
    JP039           RISK AVERSION ON THE JOB - 4
    JP040           RISK AVERSION ON THE JOB - 5
HRS 2006:
    KP036           RISK AVERSION ON THE JOB - 1
    KP037           RISK AVERSION ON THE JOB - 2
    KP038           RISK AVERSION ON THE JOB - 3
    KP039           RISK AVERSION ON THE JOB - 4
    KP040           RISK AVERSION ON THE JOB - 5
```

Financial planning horizon

Wave	Variable	Label	Type
1	R1FINPLN	R1FINPLN:W1 R Financial planning horizon	Categ
4	R4FINPLN	R4FINPLN:W4 R Financial planning horizon	Categ
5	R5FINPLN	R5FINPLN:W5 R Financial planning horizon	Categ
6	R6FINPLN	R6FINPLN:W6 R Financial planning horizon	Categ
7	R7FINPLN	R7FINPLN:W7 R Financial planning horizon	Categ
8	R8FINPLN	R8FINPLN:W8 R Financial planning horizon	Categ
11	R11FINPLN	R11FINPLN:W11 R Financial planning horizon	Categ
12	R12FINPLN	R12FINPLN:W12 R Financial planning horizon	Categ
1	S1FINPLN	S1FINPLN:W1 S Financial planning horizon	Categ
4	S4FINPLN	S4FINPLN:W4 S Financial planning horizon	Categ
5	S5FINPLN	S5FINPLN:W5 S Financial planning horizon	Categ
6	S6FINPLN	S6FINPLN:W6 S Financial planning horizon	Categ
7	S7FINPLN	S7FINPLN:W7 S Financial planning horizon	Categ
8	S8FINPLN	S8FINPLN:W8 S Financial planning horizon	Categ
11	S11FINPLN	S11FINPLN:W11 S Financial planning horizon	Categ
12	S12FINPLN	S12FINPLN:W12 S Financial planning horizon	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FINPLN	11626	2.98	1.23	1.0	5.0
R4FINPLN	5255	3.18	1.29	1.0	5.0
R5FINPLN	1451	3.10	1.26	1.0	5.0
R6FINPLN	6323	3.15	1.24	1.0	5.0
R7FINPLN	17004	2.97	1.27	1.0	5.0
R8FINPLN	16205	3.02	1.25	1.0	5.0
R11FINPLN	9259	3.10	1.33	1.0	5.0
R12FINPLN	13843	3.14	1.29	1.0	5.0
S1FINPLN	9051	3.04	1.20	1.0	5.0
S4FINPLN	3630	3.29	1.22	1.0	5.0
S5FINPLN	907	3.17	1.23	1.0	5.0
S6FINPLN	4704	3.22	1.21	1.0	5.0
S7FINPLN	11174	3.09	1.23	1.0	5.0
S8FINPLN	10463	3.17	1.20	1.0	5.0
S11FINPLN	6084	3.15	1.29	1.0	5.0
S12FINPLN	8442	3.23	1.25	1.0	5.0

Categorical Variable Codes

Value	R1FINPLN	R4FINPLN	R5FINPLN	R6FINPLN	R7FINPLN
.A=65+,not asked				9467	
.B=Skip,not selected		8631	15927		
.C=Cohort skipped		4984			
.D=DK	147	272	108	260	1074
.M=Oth missing	238	123	3	24	80
.R=RF		76	28	55	169
.S=Skip, proxy IW	641	2043	2062	2036	1802
1.Next few months	2187	902	254	989	3235
2.Next year	1257	515	167	738	2416
3.Next few years	3832	1301	378	1733	4808
4.Next 5-10 years	3317	1803	487	2081	4746
5.Longer than 10 years	1033	734	165	782	1799

Value	R8FINPLN	R11FINPLN	R12FINPLN
.A=65+,not asked		9847	2363
.D=DK	879	157	388
.M=Oth missing	18	26	34
.P=Answered prev wv			936
.R=RF	107	33	81
.S=Skip, proxy IW	1260	1146	1050
.X=Can not do Prob Q		86	53
1.Next few months	2821	1730	2289
2.Next year	2312	1134	1743
3.Next few years	4463	2276	3694
4.Next 5-10 years	4893	2719	4042
5.Longer than 10 years	1716	1400	2075

Value	S1FINPLN	S4FINPLN	S5FINPLN	S6FINPLN	S7FINPLN
.A=65+,not asked				5368	
.B=Skip,not selected		6306	10358		
.C=Cohort skipped		2365			
.D=DK	90	162	42	161	489
.M=Oth missing	149	76		13	27
.R=RF		32	13	34	79
.S=Skip, proxy IW	610	1407	1410	1359	1203
.U=Unmarried	2373	6869	6538	6306	6777
.V=Spouse NR	379	537	311	220	380
1.Next few months	1523	497	140	627	1741
2.Next year	980	326	100	526	1488
3.Next few years	3029	950	241	1329	3247
4.Next 5-10 years	2688	1329	320	1616	3433
5.Longer than 10 years	831	528	106	606	1265

Value	S8FINPLN	S11FINPLN	S12FINPLN
.A=65+,not asked		5583	1227
.D=DK	425	96	180
.M=Oth missing	5	7	18
.P=Answered prev wv			515
.R=RF	50	19	32
.S=Skip, proxy IW	792	649	589
.U=Unmarried	6417	7474	7123
.V=Spouse NR	317	592	594
.X=Can not do Prob Q		50	28
1.Next few months	1420	1008	1185
2.Next year	1315	733	965
3.Next few years	3019	1565	2346
4.Next 5-10 years	3501	1868	2630
5.Longer than 10 years	1208	910	1316

How Constructed

RwFINPLN is derived from the question: In planning your family's saving and spending, which time period is most important to you? RwFINPLN simply recodes missings from the HRS variable. It is set to .S if skipped because the interview is by proxy.

In Waves 4 and 5, Respondents are selected to answer this question or not, based on a combination of their cohort and random selection. If Respondent is not asked this question by interview design, then RwFINPLN is set to .B or .C, indicating selection based on random selection or cohort, respectively.

In Waves 6, 11 and 12, this question generally is not asked if Respondent is 65 or older. If skipped due to Respondent's age, RwFINPLN is set to .A.

In Waves 11 and 12, Respondents who had difficulty with the first few probabilities in the Expectations module skip these questions and are coded as .X (see RwANS3PQ variable).

The spouse variable is taken from the Wave "w" spouse's self-report, i.e., from the spouse's RwFINPLN.

Cross Wave Differences in Original HRS Data

In all waves, this question is skipped if the interview is by proxy. Otherwise the sample asked this question varies across waves.

In Wave 1, all self-reporting Respondents are asked this question.

In Waves 2 and 3, these questions are not asked.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Wave 6, the questions are skipped if person is 65 or older. Otherwise, all other self-reporting Respondents are asked this question.

In Waves 7 and 8, all Respondents are asked this question.

In Waves 9 and 10, this question is not asked.

In Wave 11, this question generally is asked of self-reporting Respondents under age 65 who were able to answer the first three probability questions in the Expectations module.

In Wave 12, this question is asked of most self-reporting Respondents who were able to answer the first three probability questions in the Expectations module. In some cases, this question was skipped for Respondents 65 or older or Respondents

who answered question in Wave 11.

HRS Variables Used

```
HRS 1992:
    V5124           L15:IMPORT FIN PLAN TIME
HRS 1998:
    F4560           RISK AVERSION RANDOM NUMBER
    F4619           H19. PLANNING/SAVING/SPENDING
HRS 2000:
    G220            PR220.PREV WAVE MODULE # - UPDATED
    G5037           H19. PLANNING/SAVING/SPENDING
HRS 2002:
    HP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2004:
    JP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2006:
    KP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2012:
    NP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2014:
    OP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
```

Did Respondent respond to at least the first three probability questions

Wave	Variable	Label	Type
3	R3ANS3PQ	R3ANS3PQ:W3 R answered the first three probability questions	Categ
4	R4ANS3PQ	R4ANS3PQ:W4 R answered the first three probability questions	Categ
5	R5ANS3PQ	R5ANS3PQ:W5 R answered the first three probability questions	Categ
6	R6ANS3PQ	R6ANS3PQ:W6 R answered the first three probability questions	Categ
7	R7ANS3PQ	R7ANS3PQ:W7 R answered the first three probability questions	Categ
8	R8ANS3PQ	R8ANS3PQ:W8 R answered the first three probability questions	Categ
9	R9ANS3PQ	R9ANS3PQ:W9 R answered the first three probability questions	Categ
10	R10ANS3PQ	R10ANS3PQ:W10 R answered the first three probability questions	Categ
11	R11ANS3PQ	R11ANS3PQ:W11 R answered the first three probability questions	Categ
12	R12ANS3PQ	R12ANS3PQ:W12 R answered the first three probability questions	Categ
3	S3ANS3PQ	S3ANS3PQ:W3 S answered the first three probability questions	Categ
4	S4ANS3PQ	S4ANS3PQ:W4 S answered the first three probability questions	Categ
5	S5ANS3PQ	S5ANS3PQ:W5 S answered the first three probability questions	Categ
6	S6ANS3PQ	S6ANS3PQ:W6 S answered the first three probability questions	Categ
7	S7ANS3PQ	S7ANS3PQ:W7 S answered the first three probability questions	Categ
8	S8ANS3PQ	S8ANS3PQ:W8 S answered the first three probability questions	Categ
9	S9ANS3PQ	S9ANS3PQ:W9 S answered the first three probability questions	Categ
10	S10ANS3PQ	S10ANS3PQ:W10 S answered the first three probability questions	Categ
11	S11ANS3PQ	S11ANS3PQ:W11 S answered the first three probability questions	Categ
12	S12ANS3PQ	S12ANS3PQ:W12 S answered the first three probability questions	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3ANS3PQ	6110	0.95	0.21	0.0	1.0
R4ANS3PQ	19292	0.98	0.14	0.0	1.0
R5ANS3PQ	17483	0.98	0.15	0.0	1.0
R6ANS3PQ	16128	0.98	0.14	0.0	1.0
R7ANS3PQ	18270	0.99	0.12	0.0	1.0
R8ANS3PQ	17209	0.97	0.16	0.0	1.0
R9ANS3PQ	16060	0.98	0.14	0.0	1.0
R10ANS3PQ	20398	0.99	0.09	0.0	1.0
R11ANS3PQ	19359	0.99	0.12	0.0	1.0
R12ANS3PQ	17647	0.99	0.11	0.0	1.0
S3ANS3PQ	3179	0.97	0.17	0.0	1.0
S4ANS3PQ	12562	0.99	0.12	0.0	1.0
S5ANS3PQ	11315	0.98	0.13	0.0	1.0
S6ANS3PQ	10280	0.99	0.12	0.0	1.0
S7ANS3PQ	11746	0.99	0.09	0.0	1.0
S8ANS3PQ	10943	0.98	0.14	0.0	1.0
S9ANS3PQ	9985	0.98	0.13	0.0	1.0
S10ANS3PQ	12553	0.99	0.09	0.0	1.0
S11ANS3PQ	11830	0.99	0.10	0.0	1.0
S12ANS3PQ	10427	0.99	0.09	0.0	1.0

Categorical Variable Codes

Value	R3ANS3PQ	R4ANS3PQ	R5ANS3PQ	R6ANS3PQ	R7ANS3PQ
.M=Oth missing	16	49	34	1	57
.Q=Not asked this wv	10964				
.S=Skip	901	2043	2062	2036	1802
0.No	276	389	429	341	252
1.Yes	5834	18903	17054	15787	18018

Value	R8ANS3PQ	R9ANS3PQ	R10ANS3PQ	R11ANS3PQ	R12ANS3PQ
.M=Oth missing	17	254	49	51	
.S=Skip	1260	1140	1382	1146	1050
0.No	437	333	183	277	202
1.Yes	16772	15727	20215	19082	17445

Value	S3ANS3PQ	S4ANS3PQ	S5ANS3PQ	S6ANS3PQ	S7ANS3PQ
.M=Oth missing	4	9	5		23
.Q=Not asked this wv	8629				
.S=Skip	426	1407	1410	1359	1203
.U=Unmarried	5658	6869	6538	6306	6777
.V=Spouse NR	95	537	311	220	380
0.No	93	188	193	139	105
1.Yes	3086	12374	11122	10141	11641

Value	S8ANS3PQ	S9ANS3PQ	S10ANS3PQ	S11ANS3PQ	S12ANS3PQ
.M=Oth missing	4	143	9	15	
.S=Skip	792	657	817	649	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	226	167	99	122	86
1.Yes	10717	9818	12454	11708	10341

How Constructed

In Wave 3A and from Wave 4 onwards, in the Expectations section, Respondents are asked a series of probability questions. They are asked how likely a certain scenario is and reports a probability (0-100).

If Respondent responds don't know or refused to answer the first three probability questions, then the rest of the section is skipped. RwANS3PQ is one if Respondent successfully responded to at least the first three probability question and zero if they did not. If the Respondent skipped the entire section then RwANS3PQ is set to .M. It is set to .S if skipped because the interview is by proxy.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwANS3PQ.

Cross Wave Differences in Original HRS Data

In Wave 1, 2 and 3H the questions are not asked.

In Wave 3A we use the three questions specified in the questionnaire to determine if Respondent answered the probability questions. In Waves 4 to 8, we simply re-code a raw HRS variable that tells us if Respondent responded to the first three probability questions.

In Wave 9 and beyond, we use two counts to calculate if Respondent responded to the first three probability questions. This first is a count of the number of questions the Respondent was asked and the second is a count of the number of questions the Respondent reported don't know or refused.

In Wave 3H, the values are set to the .Q SAS special missing value, to indicate that no information is available.

HRS Variables Used

```
AHEAD 1995:
    D3786           H0.INTRO
    D3787           H1.EXP:INC-INFLATION
    D3789           H3.EXP:MED COSTS
HRS 1998:
    F4577           H_CK2.PROBABILITY SCALE CHECKPOINT
HRS 2000:
    G4990           H_CKPT1.PROBABILITY SCALE CHECKPOINT
HRS 2002:
    HP009           CHECKPOINT - R CAN DO PROBABILITY SCALES
HRS 2004:
    JP009           CHECKPOINT - R CAN DO PROBABILITY SCALES
HRS 2006:
    KP009           CHECKPOINT - R CAN DO PROBABILITY SCALES
HRS 2008:
    LP155           NUMBER OF PERCENT RANGE QUESTIONS ASKED
    LP156           NUMBER OF PERCENT RANGE QUESTIONS ANSWERED DK OR RF
HRS 2010:
    MP155           NUMBER OF PERCENT RANGE QUESTIONS ASKED
    MP156           NUMBER OF PERCENT RANGE QUESTIONS ANSWERED DK OR RF
HRS 2012:
    NP009           R CAN DO PROBABILITY SCALES
HRS 2014:
    OP009           R CAN DO PROBABILITY SCALES
```

Self-reported probability of receiving an inheritance

Wave	Variable	Label	Type
2	R2INHER	R2INHER:W2 R Prob inheritance nxt 10 yr	Cont
3	R3INHER	R3INHER:W3 R Prob inheritance nxt 10 yr	Cont
4	R4INHER	R4INHER:W4 R Prob inheritance nxt 10 yr	Cont
5	R5INHER	R5INHER:W5 R Prob inheritance nxt 10 yr	Cont
6	R6INHER	R6INHER:W6 R Prob inheritance nxt 10 yr	Cont
7	R7INHER	R7INHER:W7 R Prob inheritance nxt 10 yr	Cont
8	R8INHER	R8INHER:W8 R Prob inheritance nxt 10 yr	Cont
2	S2INHER	S2INHER:W2 S Prob inheritance nxt 10 yr	Cont
3	S3INHER	S3INHER:W3 S Prob inheritance nxt 10 yr	Cont
4	S4INHER	S4INHER:W4 S Prob inheritance nxt 10 yr	Cont
5	S5INHER	S5INHER:W5 S Prob inheritance nxt 10 yr	Cont
6	S6INHER	S6INHER:W6 S Prob inheritance nxt 10 yr	Cont
7	S7INHER	S7INHER:W7 S Prob inheritance nxt 10 yr	Cont
8	S8INHER	S8INHER:W8 S Prob inheritance nxt 10 yr	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2INHER	10480	21.50	34.25	0.0	100.0
R3INHER	9965	20.26	34.37	0.0	100.0
R4INHER	18687	14.07	30.11	0.0	100.0
R5INHER	16881	14.02	29.72	0.0	100.0
R6INHER	15556	12.35	28.31	0.0	100.0
R7INHER	17817	13.86	29.16	0.0	100.0
R8INHER	16538	14.39	29.69	0.0	100.0
S2INHER	7943	23.28	35.20	0.0	100.0
S3INHER	7472	22.15	35.56	0.0	100.0
S4INHER	12252	17.11	32.56	0.0	100.0
S5INHER	11020	17.20	32.24	0.0	100.0
S6INHER	10017	15.12	30.81	0.0	100.0
S7INHER	11534	16.66	31.49	0.0	100.0
S8INHER	10596	18.06	32.48	0.0	100.0

How Constructed

This question is not asked in Wave 1, 2A or 3A. From Wave 2H forward, Respondent's self-reported probability is given on a 0-100 scale. RwINHER simply recodes missing values. It is set to .S if the question is skipped because the interview is by proxy.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwINHER.

In Waves 2A and 3A, the data needed to derive R2INHER and R3INHER are not collected. R2INHER and R3INHER are set to .Q to indicate that this information is not available for AHEAD Respondents in these waves.

From Wave 9 forward, the data is not collected and so the variable is dropped for these waves.

Cross Wave Differences in Original HRS Data

The question is not asked in Wave 1, 2A or 3A. In Wave 2H it is asked in the Cognition section. From Wave 3H forward, it is asked in the Expectations section.

Through Wave 7, the question asks: "And how about the chances that you will receive an inheritance within the next 10 years?"

In Wave 8, the question changes, particularly for those in a couple household. It is: "(Not counting anything you might give or leave to each other,) what are the chances that you (or your [husband/wife/partner])will receive an inheritance during the next 10 years?"

For AHEAD Respondents in Waves 2A and 3A, the information for R2INHER and R3INHER are not available.

From Wave 9 this question is not asked.

HRS Variables Used

```
HRS 1994:
    W5845           C11.CHANCE RECEIVE INHER
HRS 1996:
    E3827           H12.RECEIVE INHERIT.
HRS 1998:
    F4576           H3. RECEIVE INHERIT.
HRS 2000:
    G4989           H3. RCV INHERIT
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HP008           WILL R RECEIVE ANY INHERITANCE NEXT 10YR
HRS 2004:
    JA009           PROXY/SELF INTERVIEW
    JP008           WILL R RECEIVE ANY INHERITANCE NEXT 10YR
HRS 2006:
    KA009           PROXY/SELF INTERVIEW
    KP008           WILL R RECEIVE ANY INHERITANCE NEXT 10YR
```

Self-reported probability of leaving a bequest

Wave	Variable	Label	Type
1	R1BEQLRG	R1BEQLRG:W1 R Prob leave sizable bequest	Categ
1	S1BEQLRG	S1BEQLRG:W1 S Prob leave sizable bequest	Categ
2	R2BEQ10K	R2BEQ10K:W2 R Prob leave bequest 10K+	Cont
3	R3BEQ10K	R3BEQ10K:W3 R Prob leave bequest 10K+	Cont
4	R4BEQ10K	R4BEQ10K:W4 R Prob leave bequest 10K+	Cont
5	R5BEQ10K	R5BEQ10K:W5 R Prob leave bequest 10K+	Cont
6	R6BEQ10K	R6BEQ10K:W6 R Prob leave bequest 10K+	Cont
7	R7BEQ10K	R7BEQ10K:W7 R Prob leave bequest 10K+	Cont
8	R8BEQ10K	R8BEQ10K:W8 R Prob leave bequest 10K+	Cont
9	R9BEQ10K	R9BEQ10K:W9 R Prob leave bequest 10K+	Cont
10	R10BEQ10K	R10BEQ10K:W10 R Prob leave bequest 10K+	Cont
11	R11BEQ10K	R11BEQ10K:W11 R Prob leave bequest 10K+	Cont
12	R12BEQ10K	R12BEQ10K:W12 R Prob leave bequest 10K+	Cont
2	S2BEQ10K	S2BEQ10K:W2 S Prob leave bequest 10K+	Cont
3	S3BEQ10K	S3BEQ10K:W3 S Prob leave bequest 10K+	Cont
4	S4BEQ10K	S4BEQ10K:W4 S Prob leave bequest 10K+	Cont
5	S5BEQ10K	S5BEQ10K:W5 S Prob leave bequest 10K+	Cont
6	S6BEQ10K	S6BEQ10K:W6 S Prob leave bequest 10K+	Cont
7	S7BEQ10K	S7BEQ10K:W7 S Prob leave bequest 10K+	Cont
8	S8BEQ10K	S8BEQ10K:W8 S Prob leave bequest 10K+	Cont
9	S9BEQ10K	S9BEQ10K:W9 S Prob leave bequest 10K+	Cont
10	S10BEQ10K	S10BEQ10K:W10 S Prob leave bequest 10K+	Cont
11	S11BEQ10K	S11BEQ10K:W11 S Prob leave bequest 10K+	Cont
12	S12BEQ10K	S12BEQ10K:W12 S Prob leave bequest 10K+	Cont
2	R2BEQ100	R2BEQ100:W2 R Prob leave bequest 100K+	Cont
3	R3BEQ100	R3BEQ100:W3 R Prob leave bequest 100K+	Cont
4	R4BEQ100	R4BEQ100:W4 R Prob leave bequest 100K+	Cont
5	R5BEQ100	R5BEQ100:W5 R Prob leave bequest 100K+	Cont
6	R6BEQ100	R6BEQ100:W6 R Prob leave bequest 100K+	Cont
7	R7BEQ100	R7BEQ100:W7 R Prob leave bequest 100K+	Cont
8	R8BEQ100	R8BEQ100:W8 R Prob leave bequest 100K+	Cont
9	R9BEQ100	R9BEQ100:W9 R Prob leave bequest 100K+	Cont
10	R10BEQ100	R10BEQ100:W10 R Prob leave bequest 100K+	Cont
11	R11BEQ100	R11BEQ100:W11 R Prob leave bequest 100K+	Cont
12	R12BEQ100	R12BEQ100:W12 R Prob leave bequest 100K+	Cont
2	S2BEQ100	S2BEQ100:W2 S Prob leave bequest 100K+	Cont
3	S3BEQ100	S3BEQ100:W3 S Prob leave bequest 100K+	Cont
4	S4BEQ100	S4BEQ100:W4 S Prob leave bequest 100K+	Cont
5	S5BEQ100	S5BEQ100:W5 S Prob leave bequest 100K+	Cont
6	S6BEQ100	S6BEQ100:W6 S Prob leave bequest 100K+	Cont
7	S7BEQ100	S7BEQ100:W7 S Prob leave bequest 100K+	Cont
8	S8BEQ100	S8BEQ100:W8 S Prob leave bequest 100K+	Cont
9	S9BEQ100	S9BEQ100:W9 S Prob leave bequest 100K+	Cont
10	S10BEQ100	S10BEQ100:W10 S Prob leave bequest 100K+	Cont
11	S11BEQ100	S11BEQ100:W11 S Prob leave bequest 100K+	Cont
12	S12BEQ100	S12BEQ100:W12 S Prob leave bequest 100K+	Cont
6	R6BEQ500	R6BEQ500:W6 R Prob leave bequest 500K+	Cont
7	R7BEQ500	R7BEQ500:W7 R Prob leave bequest 500K+	Cont
8	R8BEQ500	R8BEQ500:W8 R Prob leave bequest 500K+	Cont
9	R9BEQ500	R9BEQ500:W9 R Prob leave bequest 500K+	Cont
10	R10BEQ500	R10BEQ500:W10 R Prob leave bequest 500K+	Cont
11	R11BEQ500	R11BEQ500:W11 R Prob leave bequest 500K+	Cont
12	R12BEQ500	R12BEQ500:W12 R Prob leave bequest 500K+	Cont
6	S6BEQ500	S6BEQ500:W6 S Prob leave bequest 500K+	Cont
7	S7BEQ500	S7BEQ500:W7 S Prob leave bequest 500K+	Cont
8	S8BEQ500	S8BEQ500:W8 S Prob leave bequest 500K+	Cont
9	S9BEQ500	S9BEQ500:W9 S Prob leave bequest 500K+	Cont
10	S10BEQ500	S10BEQ500:W10 S Prob leave bequest 500K+	Cont
11	S11BEQ500	S11BEQ500:W11 S Prob leave bequest 500K+	Cont

12	S12BEQ500	S12BEQ500:W12 S Prob leave bequest 500K+	Cont
2	R2BEQANY	R2BEQANY:W2 R Prob leave bequest any	Cont
3	R3BEQANY	R3BEQANY:W3 R Prob leave bequest any	Cont
4	R4BEQANY	R4BEQANY:W4 R Prob leave bequest any	Cont
5	R5BEQANY	R5BEQANY:W5 R Prob leave bequest any	Cont
6	R6BEQANY	R6BEQANY:W6 R Prob leave bequest any	Cont
7	R7BEQANY	R7BEQANY:W7 R Prob leave bequest any	Cont
8	R8BEQANY	R8BEQANY:W8 R Prob leave bequest any	Cont
9	R9BEQANY	R9BEQANY:W9 R Prob leave bequest any	Cont
10	R10BEQANY	R10BEQANY:W10 R Prob leave bequest any	Cont
11	R11BEQANY	R11BEQANY:W11 R Prob leave bequest any	Cont
12	R12BEQANY	R12BEQANY:W12 R Prob leave bequest any	Cont
2	S2BEQANY	S2BEQANY:W2 S Prob leave bequest any	Cont
3	S3BEQANY	S3BEQANY:W3 S Prob leave bequest any	Cont
4	S4BEQANY	S4BEQANY:W4 S Prob leave bequest any	Cont
5	S5BEQANY	S5BEQANY:W5 S Prob leave bequest any	Cont
6	S6BEQANY	S6BEQANY:W6 S Prob leave bequest any	Cont
7	S7BEQANY	S7BEQANY:W7 S Prob leave bequest any	Cont
8	S8BEQANY	S8BEQANY:W8 S Prob leave bequest any	Cont
9	S9BEQANY	S9BEQANY:W9 S Prob leave bequest any	Cont
10	S10BEQANY	S10BEQANY:W10 S Prob leave bequest any	Cont
11	S11BEQANY	S11BEQANY:W11 S Prob leave bequest any	Cont
12	S12BEQANY	S12BEQANY:W12 S Prob leave bequest any	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BEQLRG	12368	3.43	1.38	1.0	5.0
S1BEQLRG	9778	3.36	1.37	1.0	5.0
R2BEQ10K	16870	61.69	42.52	0.0	100.0
R3BEQ10K	15406	63.97	41.81	0.0	100.0
R4BEQ10K	18347	67.98	39.98	0.0	100.0
R5BEQ10K	16613	69.57	39.08	0.0	100.0
R6BEQ10K	15315	68.94	39.33	0.0	100.0
R7BEQ10K	17566	67.12	39.27	0.0	100.0
R8BEQ10K	16281	68.95	39.71	0.0	100.0
R9BEQ10K	15260	69.66	38.99	0.0	100.0
R10BEQ10K	19646	63.32	40.05	0.0	100.0
R11BEQ10K	18602	62.76	39.79	0.0	100.0
R12BEQ10K	16996	62.80	39.67	0.0	100.0
S2BEQ10K	11384	67.81	39.72	0.0	100.0
S3BEQ10K	10357	70.50	38.61	0.0	100.0
S4BEQ10K	12089	74.12	36.18	0.0	100.0
S5BEQ10K	10893	75.44	35.10	0.0	100.0
S6BEQ10K	9906	74.91	35.46	0.0	100.0
S7BEQ10K	11380	73.12	35.67	0.0	100.0
S8BEQ10K	10446	75.33	35.72	0.0	100.0
S9BEQ10K	9568	75.96	34.66	0.0	100.0
S10BEQ10K	12166	68.74	37.32	0.0	100.0
S11BEQ10K	11431	67.78	37.34	0.0	100.0
S12BEQ10K	10116	68.24	36.93	0.0	100.0
R2BEQ100	16336	32.34	40.94	0.0	100.0
R3BEQ100	14912	35.19	41.97	0.0	100.0
R4BEQ100	18126	40.01	42.99	0.0	100.0

R5BEQ100	16399	43.45	43.30	0.0	100.0
R6BEQ100	15071	43.99	43.24	0.0	100.0
R7BEQ100	17361	43.96	42.85	0.0	100.0
R8BEQ100	16086	48.43	43.84	0.0	100.0
R9BEQ100	15072	48.06	43.72	0.0	100.0
R10BEQ100	19443	42.49	42.09	0.0	100.0
R11BEQ100	18422	41.13	41.58	0.0	100.0
R12BEQ100	16867	42.14	41.58	0.0	100.0
S2BEQ100	11080	37.40	41.75	0.0	100.0
S3BEQ100	10086	40.54	42.54	0.0	100.0
S4BEQ100	11944	46.25	43.01	0.0	100.0
S5BEQ100	10755	49.95	42.85	0.0	100.0
S6BEQ100	9751	50.87	42.62	0.0	100.0
S7BEQ100	11254	50.73	42.27	0.0	100.0
S8BEQ100	10330	55.71	42.51	0.0	100.0
S9BEQ100	9452	55.44	42.41	0.0	100.0
S10BEQ100	12044	48.19	41.62	0.0	100.0
S11BEQ100	11334	46.94	41.31	0.0	100.0
S12BEQ100	10046	48.42	41.10	0.0	100.0
R6BEQ500	14922	16.27	30.88	0.0	100.0
R7BEQ500	17247	16.91	31.19	0.0	100.0
R8BEQ500	15970	20.61	34.27	0.0	100.0
R9BEQ500	14926	19.97	33.82	0.0	100.0
R10BEQ500	19339	17.88	31.22	0.0	100.0
R11BEQ500	18314	16.73	30.20	0.0	100.0
R12BEQ500	16778	18.47	31.32	0.0	100.0
S6BEQ500	9643	19.87	33.05	0.0	100.0
S7BEQ500	11167	20.21	33.05	0.0	100.0
S8BEQ500	10257	24.66	36.03	0.0	100.0
S9BEQ500	9359	23.98	35.55	0.0	100.0
S10BEQ500	11975	20.98	32.80	0.0	100.0
S11BEQ500	11265	19.69	31.74	0.0	100.0
S12BEQ500	9998	21.82	32.91	0.0	100.0
R2BEQANY	6594	53.42	42.09	0.0	100.0
R3BEQANY	12146	66.13	42.15	0.0	100.0
R4BEQANY	12128	76.89	40.69	0.0	100.0
R5BEQANY	10524	78.22	40.12	0.0	100.0
R6BEQANY	9567	78.36	40.03	0.0	100.0
R7BEQANY	10280	75.75	41.68	0.0	100.0
R8BEQANY	10361	77.20	41.07	0.0	100.0
R9BEQANY	9334	77.34	40.91	0.0	100.0
R10BEQANY	10452	71.36	43.98	0.0	100.0
R11BEQANY	9590	70.67	44.34	0.0	100.0
R12BEQANY	8614	71.02	44.11	0.0	100.0
S2BEQANY	3564	60.34	40.20	0.0	100.0
S3BEQANY	7823	74.16	38.41	0.0	100.0
S4BEQANY	7753	84.64	34.65	0.0	100.0
S5BEQANY	6678	86.14	33.35	0.0	100.0
S6BEQANY	6023	86.25	33.34	0.0	100.0
S7BEQANY	6448	83.86	35.68	0.0	100.0
S8BEQANY	6516	85.34	34.57	0.0	100.0
S9BEQANY	5663	86.09	33.73	0.0	100.0
S10BEQANY	6154	79.18	39.55	0.0	100.0
S11BEQANY	5590	78.31	40.09	0.0	100.0

S12BEQANY	4868	79.15	39.62	0.0	100.0

Categorical Variable Codes

Value	R1BEQLRG
.D=DK	67
.M=Oth missing	95
.R=RF	122
1.Yes,definitely	1564
2.Yes,probably	1998
3.Yes,possibly	1934
4.Probably not	3329
5.No,definitely	3543

Value	S1BEQLRG
.D=DK	52
.R=RF	70
.U=Unmarried	2373
.V=Spouse NR	379
1.Yes,definitely	1254
2.Yes,probably	1708
3.Yes,possibly	1574
4.Probably not	2700
5.No,definitely	2542

How Constructed

In Wave 1, Respondent is asked to rate on a 5-point scale whether he/she expects to leave a "large" bequest. The HRS variable is simply recoded for missings. Beginning in Wave 2, Respondent is asked to give the probability that he/she will leave a bequest of $10,000 or more. If the probability is greater than zero, he/she is asked for the probability of leaving a bequest of $100,000 or more. If that probability is greater than zero, beginning in Wave 6, he/she is asked for the probability of leaving a bequest of $500,000 or more. In Wave 3H, and from Wave 4 forward an additional question is asked if Respondent gives a zero probability to the first question. Respondent is asked for the probability of leaving any bequest.

In Wave 2A and 3A, Respondent is asked for the probability of leaving any bequest before being asked the subsequent 10K and 100K questions.

In Wave 2A and from Wave 3 forward, probabilities are given on a 0-100 scale. They are simply recoded for missings, and set to .S if the interview is by proxy. If Respondent reports a 0 probability of leaving a $10,000 bequest then RwBEQ100 is set to zero. If Respondent reports a non-zero probability of leaving a $10,000 request, the "any" bequest variable in waves 3H and from Wave 4 forward is skipped. In this case, RwBEQANY is set to .Y (skipped/asked 10K) unless it is 100 percent chance.

In Waves 2A and 3A, if Respondent reports a zero probability of leaving an "any" bequest variable then the 10K and 100K questions are skipped. In these cases RwBEQ10K and RwBEQ100 are set to zero.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's R1BEQLRG, RwBEQ10K, RwBEQ100, RwBEQ500 and RwBEQANY.

In Wave 2H, the data needed to derive R2BEQANY are not collected. R2BEQANY is set to .Q to indicate that this information is not available for HRS Respondents in this wave.

Cross Wave Differences in Original HRS Data

In Wave 1 the question is at the end of Section M (Net worth other than housing) and asks: "Do you [and your (spouse/partner)] expect to leave a sizeable inheritance to your heirs?" The answers are given in a 5-point scale from 1=Yes, definitely to 5=No, definitely not.

In Wave 2H two questions are asked in the Cognition section:

1) "And what are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $10,000 or more?"

2) "What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $100,000 or more."

Answers are given as a 0-100 probability. The second question is skipped if the answer to the first is 0=absolutely no chance.

In Wave 3H the same two questions are asked in the Expectations section, and if Respondent responds "absolutely no chance" to the first, another is asked:

3) "What are the chances that you (and your (spouse/partner)) will leave any inheritance?"

In Wave 2A and 3A three questions are asked in the Expectations section:

1) "What are the chances that you [or your (husband/wife/partner)] will leave any inheritance?"

2) "And what are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $10,000 or more?"

3) "What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $100,000 or more?"

Answers are given as a 0-100 probability. The second or third question is skipped if the answer to the previous is 0=absolutely no chance or .S. The third question is also skipped if probability given to the second question is 30 percent or less.

From Wave 4 to Wave 7, the questions are also asked in the Expectations section, and the first question wording is slightly different:

1) "Including property and other valuables that you might own, what are the chances that you [and your (husband/wife/partner)] will leave an inheritance totalling $10,000 or more?"

From Wave 6 forward, an additional question is asked:

"What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $500,000 or more?"

From Wave 8 forward, the question is prefaced by the following:

"Think about an inheritance you (and your (husband/wife/partner) might leave (but not including any inheritance you might leave to each other)."

In Waves 4 to 7, the second and third questions are the same as in Wave 3H. From Wave 8 forward, the second and third questions are the same, except that they are prefaced by the word "And."

From Wave 2 forward, these questions are skipped if the interview is by proxy.

For HRS Respondents in Wave 2H, the information for R2BEQANY is not available.

HRS Variables Used

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HRS 1992:
    V5349           M44:WILL LEAV LRG INHERT
AHEAD 1993:
    B1277           H3. EXPECT LEAVE INHERITANCE
    B1279           H3a. EXPECT LEAVE AT LEAST $10K
    B1280           H3b. EXPECT LEAVE AT LEAST $100K
HRS 1994:
    W5843           C10.CHANCE LEAVE INHERIT
    W5844           C10a.CHANCE LEAVE INHERI
AHEAD 1995:
    D3796           H7.EXP:LEAVE INHERIT
    D3797           H7A.EXP:LEAVE-$20K
    D3798           H7B.EXP:LEAVE-$100K
HRS 1996:
    E3824           H11. LEAVE INHERIT. 10K
    E3825           H11A. LEAVE INHERIT. 100K
    E3826           H11B.LEAVE ANY INHERIT
HRS 1998:
    F4572           H2. LEAVE INHERIT. 10K
    F4574           H2A. LEAVE INHERIT. 100K
    F4575           H2B. LEAVE ANY INHERIT
HRS 2000:
    G4985           H2. LEAVE INHERIT-10K
    G4987           H2A. LEAVE INHERIT-100K
    G4988           H2B. LEAVE ANY INHERIT
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HP005           WILL R LEAVE INHERITANCE -  $10K
    HP006           WILL R LEAVE INHERITANCE - $100K
    HP007           WILL R LEAVE ANY INHERITANCE
    HP059           CHANCE R/SP LEAVE INHERIT OF $500K/MORE
HRS 2004:
    JA009           PROXY/SELF INTERVIEW
    JP005           WILL R LEAVE INHERITANCE -  $10K
    JP006           WILL R LEAVE INHERITANCE - $100K
    JP007           WILL R LEAVE ANY INHERITANCE
    JP059           CHANCE R/SP LEAVE INHERIT OF $500K/MORE
HRS 2006:
    KA009           PROXY/SELF INTERVIEW
    KP005           WILL R LEAVE INHERITANCE - 10K
    KP006           WILL R LEAVE INHERITANCE - 100K
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    KP007           WILL R LEAVE ANY INHERITANCE
    KP059           CHANCE R/SP LEAVE INHERIT OF 500K/MORE
HRS 2008:
    LA009           PROXY/SELF INTERVIEW
    LP005           WILL R LEAVE INHERITANCE - 10K
    LP006           WILL R LEAVE INHERITANCE - 100K
    LP007           WILL R LEAVE ANY INHERITANCE
    LP059           CHANCE R/SP LEAVE INHERIT OF 500K/MORE
HRS 2010:
    MA009           PROXY/SELF INTERVIEW
    MP005           WILL R LEAVE INHERITANCE - 10K
    MP006           WILL R LEAVE INHERITANCE - 100K
    MP007           WILL R LEAVE ANY INHERITANCE
    MP059           CHANCE R/SP LEAVE INHERIT OF 500K/MORE
HRS 2012:
    NA009           PROXY/SELF INTERVIEW
    NP005           WILL R LEAVE INHERITANCE - 10K
    NP006           WILL R LEAVE INHERITANCE - 100K
    NP007           WILL R LEAVE ANY INHERITANCE
    NP059           CHANCE R/SP LEAVE INHERIT OF 500K/MORE
HRS 2014:
    OA009           PROXY/SELF INTERVIEW
    OP005           WILL R LEAVE INHERITANCE - 10K
    OP006           WILL R LEAVE INHERITANCE - 100K
    OP007           WILL R LEAVE ANY INHERITANCE
    OP059           CHANCE R/SP LEAVE INHERIT OF 500K/MORE
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Self-reported probability of working full-time after age 62

Wave	Variable	Label	Type
1	R1WORK62	R1WORK62:W1 R Prob working FT after 62	Cont
2	R2WORK62	R2WORK62:W2 R Prob working FT after 62	Cont
3	R3WORK62	R3WORK62:W3 R Prob working FT after 62	Cont
4	R4WORK62	R4WORK62:W4 R Prob working FT after 62	Cont
5	R5WORK62	R5WORK62:W5 R Prob working FT after 62	Cont
6	R6WORK62	R6WORK62:W6 R Prob working FT after 62	Cont
7	R7WORK62	R7WORK62:W7 R Prob working FT after 62	Cont
8	R8WORK62	R8WORK62:W8 R Prob working FT after 62	Cont
9	R9WORK62	R9WORK62:W9 R Prob working FT after 62	Cont
10	R10WORK62	R10WORK62:W10 R Prob working FT after 62	Cont
11	R11WORK62	R11WORK62:W11 R Prob working FT after 62	Cont
12	R12WORK62	R12WORK62:W12 R Prob working FT after 62	Cont
1	S1WORK62	S1WORK62:W1 S Prob working FT after 62	Cont
2	S2WORK62	S2WORK62:W2 S Prob working FT after 62	Cont
3	S3WORK62	S3WORK62:W3 S Prob working FT after 62	Cont
4	S4WORK62	S4WORK62:W4 S Prob working FT after 62	Cont
5	S5WORK62	S5WORK62:W5 S Prob working FT after 62	Cont
6	S6WORK62	S6WORK62:W6 S Prob working FT after 62	Cont
7	S7WORK62	S7WORK62:W7 S Prob working FT after 62	Cont
8	S8WORK62	S8WORK62:W8 S Prob working FT after 62	Cont
9	S9WORK62	S9WORK62:W9 S Prob working FT after 62	Cont
10	S10WORK62	S10WORK62:W10 S Prob working FT after 62	Cont
11	S11WORK62	S11WORK62:W11 S Prob working FT after 62	Cont
12	S12WORK62	S12WORK62:W12 S Prob working FT after 62	Cont
2	R2WORK62F	R2WORK62F:W2 Logical Skip Flag: P62	Cont
3	R3WORK62F	R3WORK62F:W3 Logical Skip Flag: P62	Cont
4	R4WORK62F	R4WORK62F:W4 Logical Skip Flag: P62	Cont
5	R5WORK62F	R5WORK62F:W5 Logical Skip Flag: P62	Cont
6	R6WORK62F	R6WORK62F:W6 Logical Skip Flag: P62	Cont
7	R7WORK62F	R7WORK62F:W7 Logical Skip Flag: P62	Cont
8	R8WORK62F	R8WORK62F:W8 Logical Skip Flag: P62	Cont
9	R9WORK62F	R9WORK62F:W9 Logical Skip Flag: P62	Cont
10	R10WORK62F	R10WORK62F:W10 Logical Skip Flag: P62	Cont
11	R11WORK62F	R11WORK62F:W11 Logical Skip Flag: P62	Cont
12	R12WORK62F	R12WORK62F:W12 Logical Skip Flag: P62	Cont
2	S2WORK62F	S2WORK62F:W2 Logical Skip Flag: P62	Cont
3	S3WORK62F	S3WORK62F:W3 Logical Skip Flag: P62	Cont
4	S4WORK62F	S4WORK62F:W4 Logical Skip Flag: P62	Cont
5	S5WORK62F	S5WORK62F:W5 Logical Skip Flag: P62	Cont
6	S6WORK62F	S6WORK62F:W6 Logical Skip Flag: P62	Cont
7	S7WORK62F	S7WORK62F:W7 Logical Skip Flag: P62	Cont
8	S8WORK62F	S8WORK62F:W8 Logical Skip Flag: P62	Cont
9	S9WORK62F	S9WORK62F:W9 Logical Skip Flag: P62	Cont
10	S10WORK62F	S10WORK62F:W10 Logical Skip Flag: P62	Cont
11	S11WORK62F	S11WORK62F:W11 Logical Skip Flag: P62	Cont
12	S12WORK62F	S12WORK62F:W12 Logical Skip Flag: P62	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK62	7943	47.36	39.27	0.0	100.0
R2WORK62	8647	34.04	38.24	0.0	100.0
R3WORK62	5979	35.94	40.35	0.0	100.0
R4WORK62	6657	37.85	39.92	0.0	100.0
R5WORK62	5266	41.08	40.48	0.0	100.0
R6WORK62	3967	41.38	40.29	0.0	100.0

R7WORK62	5329	43.26	38.17	0.0	100.0
R8WORK62	5189	40.85	38.36	0.0	100.0
R9WORK62	4374	45.62	39.71	0.0	100.0
R10WORK62	8918	42.94	37.57	0.0	100.0
R11WORK62	7616	42.19	37.32	0.0	100.0
R12WORK62	6183	42.16	37.70	0.0	100.0
S1WORK62	6203	46.28	39.07	0.0	100.0
S2WORK62	6434	33.14	37.71	0.0	100.0
S3WORK62	4472	34.29	39.55	0.0	100.0
S4WORK62	4962	36.39	39.15	0.0	100.0
S5WORK62	3985	40.03	40.02	0.0	100.0
S6WORK62	2992	40.39	39.77	0.0	100.0
S7WORK62	3901	42.93	37.66	0.0	100.0
S8WORK62	3818	41.28	38.07	0.0	100.0
S9WORK62	3148	45.89	39.29	0.0	100.0
S10WORK62	5817	44.08	37.03	0.0	100.0
S11WORK62	5054	43.79	36.89	0.0	100.0
S12WORK62	4065	43.59	37.03	0.0	100.0
R2WORK62F	19642	0.08	0.27	0.0	1.0
R3WORK62F	17991	0.08	0.26	0.0	1.0
R4WORK62F	21384	0.06	0.23	0.0	1.0
R5WORK62F	19579	0.05	0.22	0.0	1.0
R6WORK62F	18165	0.04	0.20	0.0	1.0
R7WORK62F	20129	0.04	0.20	0.0	1.0
R8WORK62F	18469	0.00	0.02	0.0	1.0
R9WORK62F	17217	0.04	0.18	0.0	1.0
R10WORK62F	22034	0.05	0.22	0.0	1.0
R11WORK62F	20554	0.05	0.22	0.0	1.0
R12WORK62F	18748	0.05	0.22	0.0	1.0
S2WORK62F	13088	0.08	0.27	0.0	1.0
S3WORK62F	11915	0.08	0.27	0.0	1.0
S4WORK62F	13978	0.07	0.25	0.0	1.0
S5WORK62F	12730	0.06	0.23	0.0	1.0
S6WORK62F	11639	0.05	0.22	0.0	1.0
S7WORK62F	12972	0.04	0.20	0.0	1.0
S8WORK62F	11735	0.00	0.02	0.0	1.0
S9WORK62F	10646	0.04	0.19	0.0	1.0
S10WORK62F	13513	0.04	0.21	0.0	1.0
S11WORK62F	12488	0.05	0.21	0.0	1.0
S12WORK62F	11031	0.04	0.21	0.0	1.0

How Constructed

In Wave 1 the Respondent's self-reported probability of working full-time after age 62 is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

If Respondent answers "absolutely no chance" to a previous question about the chances of working in the future, the probability of working full-time after age 62 question is skipped but we set it to zero and the logical imputation flag RwWORK62F is set to 1.

Otherwise this variable simply recodes missing values.

RwWORK62 is set to .A if skipped because Respondent is already age 62. Note that the HRS documentation indicates that this question is asked of 62-year olds in Waves 4 to 6, but many of these cases are coded 996-already 62. In these waves RwWORK62 is set to .A if age is over 62 or if age 62 with code 996. It is set to .W if the question is skipped because Respondent is not working, and to .S if skipped because the interview is by proxy. It is set to .X if the Respondent cannot perform the probability question. .D means Don't Know and .R means the Respondent refused to answer the question. If the HRS variable contains a valid probability it is assigned regardless of the Respondent's age, work status, or proxy status.

Respondents who had difficulty with the first few probabilities in the expectations module skip these questions and are coded as .X.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK62.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section and asks: "Thinking about work generally and not just your present job, what do you think are the chances that you will be working full-time after you reach age 62?" It is skipped if Respondent is not currently working for pay.

In Wave 2H, the question is in the Cognition section and is skipped if the Respondent is not working for pay. The question wording is the same as in Wave 1 if Respondent is currently working. The phrase "Think about work generally and not just your present job" is dropped if Respondent is not working.

From Wave 3H forward, the question is asked in the Expectations section and the "Think about . . ." phrase is dropped if Respondent is self-employed. From Wave 3H to Wave 7, the question is skipped if Respondent is not currently working for pay. From Wave 8, the question is asked whether Respondent is working or not.

From Wave 2H forward, the question is skipped if the interview is by proxy. If Respondent answers "absolutely no chance" to a previous question about the chances of working in the future the question is also skipped.

From Waves 2H, 3H, and from Wave 7 forward, it is skipped if the Respondent is age 62 or older. In Waves 4 to 6, it is asked if the Respondent is age 62 and skipped if older than 62. For many of the age 62 Respondents in these waves the code 996 indicates that they are already 62.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain.

In Wave 2A and 3A, there are no comparable questions and for AHEAD Respondents, the values are set to the .Q SAS special missing value, to indicate that no information is available.

In Wave 8, 722 Respondents reported zero to the probability of working in the future but then were asked the probability of working at age 62 in error. 710 reported zero to the probability of working until age 62. Therefore, the logical skip flag was not set for these cases. This accounts for the low means in R8WORK62F.

In Wave 9, 1400 Respondents are given an opportunity to change their response if they said there was a 0 or 100 percent probability they would be working at age 62. These follow-on questions ask if the Respondent is certain their

answer is accurate and if not, asks for another estimate. We do not include these amended answers in RwWORK62 but these variables are available on the 2008 RAND Enhanced Fat File and the skip pattern can be found in the questionnaire on the HRS website.

In Wave 10, 3599 Respondents are given an opportunity to change their answer. The selection process is more complicated but again, we do not use this data in R10WORK62. These variables are available on the 2010 RAND Enhanced Fat Files and the skip pattern can be found in the questionnaire on the HRS website. So it is possible for someone to be missing RwWORK62 but have a value in RwWORK65 due to changing their answer and getting asked the probability of working at age 65 question.

In Wave 11, the questionnaire reverts back to the questions asked in Wave 8. There is no opportunity to change an answer and the skip logic is applied correctly so the flag (R11WORK62F) is in line with other waves.

HRS Variables Used

```
HRS 1992:
    V3208           F71:RATE:WRK FT AT AG 62
HRS 1994:
    W5803           CF103a.PROBABILITY WORK
    W5804           CFA104.PROB WORK FULL-TI
HRS 1996:
    E3790           H3A.LIKELIHOOD WORK IN FUTURE
    E3796           H4. WORK AFTER 62
HRS 1998:
    F4585           H6. WORK FUTURE
    F4589           H7. WORK AFTER 62
HRS 2000:
    G4998           H6. WORK FUTURE
    G5002           H7. WORK AFTER 62
HRS 2002:
    HP016           LIKELIHOOD R WILL WORK FOR PAY
    HP017           LIKELIHOOD R WILL WORK AFTER AGE 62
HRS 2004:
    JP016           LIKELIHOOD R WILL WORK FOR PAY
    JP017           LIKELIHOOD R WILL WORK AFTER AGE 62
HRS 2006:
    KP016           LIKELIHOOD R WILL WORK FOR PAY
    KP017           LIKELIHOOD R WILL WORK AFTER AGE 62
HRS 2008:
    LP016           LIKELIHOOD R WILL WORK FOR PAY
    LP017           LIKELIHOOD R WILL WORK AFTER AGE 62
HRS 2010:
    MP016           LIKELIHOOD R WILL WORK FOR PAY
    MP017           LIKELIHOOD R WILL WORK AFTER AGE 62
HRS 2012:
    NP016           LIKELIHOOD R WILL WORK FOR PAY
    NP017           LIKELIHOOD R WILL WORK AFTER AGE 62
HRS 2014:
    OP016           LIKELIHOOD R WILL WORK FOR PAY
    OP017           LIKELIHOOD R WILL WORK AFTER AGE 62
```

Self-reported probability of working full-time after age 65

Wave	Variable	Label	Type
1	R1WORK65	R1WORK65:W1 R Prob working FT after 65	Cont
2	R2WORK65	R2WORK65:W2 R Prob working FT after 65	Cont
3	R3WORK65	R3WORK65:W3 R Prob working FT after 65	Cont
4	R4WORK65	R4WORK65:W4 R Prob working FT after 65	Cont
5	R5WORK65	R5WORK65:W5 R Prob working FT after 65	Cont
6	R6WORK65	R6WORK65:W6 R Prob working FT after 65	Cont
7	R7WORK65	R7WORK65:W7 R Prob working FT after 65	Cont
8	R8WORK65	R8WORK65:W8 R Prob working FT after 65	Cont
9	R9WORK65	R9WORK65:W9 R Prob working FT after 65	Cont
10	R10WORK65	R10WORK65:W10 R Prob working FT after 65	Cont
11	R11WORK65	R11WORK65:W11 R Prob working FT after 65	Cont
12	R12WORK65	R12WORK65:W12 R Prob working FT after 65	Cont
1	S1WORK65	S1WORK65:W1 S Prob working FT after 65	Cont
2	S2WORK65	S2WORK65:W2 S Prob working FT after 65	Cont
3	S3WORK65	S3WORK65:W3 S Prob working FT after 65	Cont
4	S4WORK65	S4WORK65:W4 S Prob working FT after 65	Cont
5	S5WORK65	S5WORK65:W5 S Prob working FT after 65	Cont
6	S6WORK65	S6WORK65:W6 S Prob working FT after 65	Cont
7	S7WORK65	S7WORK65:W7 S Prob working FT after 65	Cont
8	S8WORK65	S8WORK65:W8 S Prob working FT after 65	Cont
9	S9WORK65	S9WORK65:W9 S Prob working FT after 65	Cont
10	S10WORK65	S10WORK65:W10 S Prob working FT after 65	Cont
11	S11WORK65	S11WORK65:W11 S Prob working FT after 65	Cont
12	S12WORK65	S12WORK65:W12 S Prob working FT after 65	Cont
2	R2WORK65F	R2WORK65F:W2 Logical Skip Flag: P65	Cont
3	R3WORK65F	R3WORK65F:W3 Logical Skip Flag: P65	Cont
4	R4WORK65F	R4WORK65F:W4 Logical Skip Flag: P65	Cont
5	R5WORK65F	R5WORK65F:W5 Logical Skip Flag: P65	Cont
6	R6WORK65F	R6WORK65F:W6 Logical Skip Flag: P65	Cont
7	R7WORK65F	R7WORK65F:W7 Logical Skip Flag: P65	Cont
8	R8WORK65F	R8WORK65F:W8 Logical Skip Flag: P65	Cont
9	R9WORK65F	R9WORK65F:W9 Logical Skip Flag: P65	Cont
10	R10WORK65F	R10WORK65F:W10 Logical Skip Flag: P65	Cont
11	R11WORK65F	R11WORK65F:W11 Logical Skip Flag: P65	Cont
12	R12WORK65F	R12WORK65F:W12 Logical Skip Flag: P65	Cont
2	S2WORK65F	S2WORK65F:W2 Logical Skip Flag: P65	Cont
3	S3WORK65F	S3WORK65F:W3 Logical Skip Flag: P65	Cont
4	S4WORK65F	S4WORK65F:W4 Logical Skip Flag: P65	Cont
5	S5WORK65F	S5WORK65F:W5 Logical Skip Flag: P65	Cont
6	S6WORK65F	S6WORK65F:W6 Logical Skip Flag: P65	Cont
7	S7WORK65F	S7WORK65F:W7 Logical Skip Flag: P65	Cont
8	S8WORK65F	S8WORK65F:W8 Logical Skip Flag: P65	Cont
9	S9WORK65F	S9WORK65F:W9 Logical Skip Flag: P65	Cont
10	S10WORK65F	S10WORK65F:W10 Logical Skip Flag: P65	Cont
11	S11WORK65F	S11WORK65F:W11 Logical Skip Flag: P65	Cont
12	S12WORK65F	S12WORK65F:W12 Logical Skip Flag: P65	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK65	8133	26.57	34.13	0.0	100.0
R2WORK65	9366	17.26	29.06	0.0	100.0
R3WORK65	6804	17.91	30.59	0.0	100.0
R4WORK65	7427	19.19	30.93	0.0	100.0
R5WORK65	5976	21.51	31.97	0.0	100.0
R6WORK65	4687	20.69	31.27	0.0	100.0

R7WORK65	6720	26.73	33.80	0.0	100.0
R8WORK65	6643	25.40	33.42	0.0	100.0
R9WORK65	5491	29.42	34.91	0.0	100.0
R10WORK65	10249	29.34	33.93	0.0	100.0
R11WORK65	9282	28.41	33.49	0.0	100.0
R12WORK65	7954	28.48	34.00	0.0	100.0
S1WORK65	6397	25.49	33.44	0.0	100.0
S2WORK65	6943	16.68	28.41	0.0	100.0
S3WORK65	5023	16.83	29.43	0.0	100.0
S4WORK65	5484	18.44	30.10	0.0	100.0
S5WORK65	4474	20.76	31.20	0.0	100.0
S6WORK65	3485	20.10	30.51	0.0	100.0
S7WORK65	4858	26.27	33.30	0.0	100.0
S8WORK65	4864	25.04	32.85	0.0	100.0
S9WORK65	3939	29.32	34.38	0.0	100.0
S10WORK65	6728	29.83	33.55	0.0	100.0
S11WORK65	6104	29.02	33.15	0.0	100.0
S12WORK65	5123	28.98	33.43	0.0	100.0
R2WORK65F	19642	0.22	0.41	0.0	1.0
R3WORK65F	17991	0.19	0.40	0.0	1.0
R4WORK65F	21384	0.16	0.37	0.0	1.0
R5WORK65F	19579	0.13	0.34	0.0	1.0
R6WORK65F	18165	0.11	0.32	0.0	1.0
R7WORK65F	20129	0.11	0.31	0.0	1.0
R8WORK65F	18469	0.09	0.28	0.0	1.0
R9WORK65F	17217	0.08	0.28	0.0	1.0
R10WORK65F	22034	0.11	0.31	0.0	1.0
R11WORK65F	20554	0.12	0.33	0.0	1.0
R12WORK65F	18748	0.12	0.33	0.0	1.0
S2WORK65F	13088	0.24	0.43	0.0	1.0
S3WORK65F	11915	0.22	0.41	0.0	1.0
S4WORK65F	13978	0.18	0.39	0.0	1.0
S5WORK65F	12730	0.15	0.36	0.0	1.0
S6WORK65F	11639	0.13	0.34	0.0	1.0
S7WORK65F	12972	0.12	0.32	0.0	1.0
S8WORK65F	11735	0.09	0.29	0.0	1.0
S9WORK65F	10646	0.09	0.29	0.0	1.0
S10WORK65F	13513	0.10	0.30	0.0	1.0
S11WORK65F	12488	0.12	0.32	0.0	1.0
S12WORK65F	11031	0.12	0.32	0.0	1.0

How Constructed

In Wave 1 the Respondent's self-reported probability of working full-time after age 65 is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

If Respondent answers "absolutely no chance" to a previous question about the chances of working in the future, the probability of working full-time after age 65 question is skipped but we set it to zero and the logical imputation flag RwWORK65F is set to 1.

If Respondent reports 0 probability of working full-time after age 62 then the probability of working full-time after

age 65 is also set to zero and the logical imputation flag RwWORK65F is set to 1. Otherwise this variable simply recodes missing values.

RwWORK65 is set to .A if skipped because Respondent is already age 65. It is set to .W if skipped because Respondent is not working, and to .S if skipped because the interview is by proxy. It is set to .X if the Respondent cannot perform the probability question. .D means "Don't Know" and .R means the "Respondent refused to answer the question." If the HRS variable contains a valid probability it is assigned regardless of the Respondent's age, work status, or proxy status.

Note that most 62-65 year-olds have missing values for this variable from Wave 2 through Wave 6. This is because of discrepancies between the skip patterns as described in the documentation and those actually found in the data.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK65.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section. In Wave 2H it is in the Cognitions section, and thereafter it is in the Expectations section. In all waves, it is preceded by one asking the chances of working after age 62 and has the same wording. The question asks: "And what about the chances that you will be working full-time after you reach age 65?" In all waves it is skipped if Respondent responds "absolutely no chance" to the preceding age 62 question.

In Wave 1 and from Wave 3H to Wave 7, the question is skipped if Respondent is not currently working for pay. In Wave 2H, it is skipped if the Respondent is not working for pay and answers "absolutely no chance" to a previous question about the chances of working in the future. In Wave 8 it is asked whether Respondent is working or not. From Wave 2H forward it is skipped if the interview is by proxy.

From Wave 2H forward, the question is skipped if Respondent answers "absolutely no chance" to a previous question about the chances of working in the future. The documentation indicates that question is skipped if the Respondent is already age 65. However it appears from the data that most Respondents age 63 or older in Wave 2H skip this question. From Wave 3H to Wave 6 it appears that most Respondents age 62 or older skip this question, that is, most Respondents who skipped the preceding age 62 question also skip this one. This appears to have been corrected in Wave 7.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to the .Q SAS special missing value, to indicate that no information is available.

HRS Variables Used

```
HRS 1992:
    V3208           F71:RATE:WRK FT AT AG 62
    V3209           F72:RATE:WRK FT AT AG 65
HRS 1994:
    W5805           CFA105.PROB WORK FULL-TI
HRS 1996:
    E3797           H5. WORK AFTER 65
```

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HRS 1998:
    F4590           H8. WORK AFTER 65
HRS 2000:
    G5003           H8. WORK AFTER 65
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HP018           LIKELIHOOD R WILL WORK AFTER AGE 65
HRS 2004:
    JA009           PROXY/SELF INTERVIEW
    JP018           LIKELIHOOD R WILL WORK AFTER AGE 65
HRS 2006:
    KA009           PROXY/SELF INTERVIEW
    KP018           LIKELIHOOD R WILL WORK AFTER AGE 65
HRS 2008:
    LA009           PROXY/SELF INTERVIEW
    LP018           LIKELIHOOD R WILL WORK AFTER AGE 65
HRS 2010:
    MA009           PROXY/SELF INTERVIEW
    MP018           LIKELIHOOD R WILL WORK AFTER AGE 65
HRS 2012:
    NA009           PROXY/SELF INTERVIEW
    NP018           LIKELIHOOD R WILL WORK AFTER AGE 65
HRS 2014:
    OA009           PROXY/SELF INTERVIEW
    OP018           LIKELIHOOD R WILL WORK AFTER AGE 65
```

Self-reported probability of having a work limiting health problem in next 10 years

Wave	Variable	Label	Type
1	R1WORKLM	R1WORKLM:W1 R Prob health limiting work	Cont
2	R2WORKLM	R2WORKLM:W2 R Prob health limiting work	Cont
3	R3WORKLM	R3WORKLM:W3 R Prob health limiting work	Cont
4	R4WORKLM	R4WORKLM:W4 R Prob health limiting work	Cont
5	R5WORKLM	R5WORKLM:W5 R Prob health limiting work	Cont
6	R6WORKLM	R6WORKLM:W6 R Prob health limiting work	Cont
1	S1WORKLM	S1WORKLM:W1 S Prob health limiting work	Cont
2	S2WORKLM	S2WORKLM:W2 S Prob health limiting work	Cont
3	S3WORKLM	S3WORKLM:W3 S Prob health limiting work	Cont
4	S4WORKLM	S4WORKLM:W4 S Prob health limiting work	Cont
5	S5WORKLM	S5WORKLM:W5 S Prob health limiting work	Cont
6	S6WORKLM	S6WORKLM:W6 S Prob health limiting work	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORKLM	8062	39.19	28.11	0.0	100.0
R2WORKLM	7814	36.62	28.39	0.0	100.0
R3WORKLM	5479	39.08	28.90	0.0	100.0
R4WORKLM	7239	39.19	28.22	0.0	100.0
R5WORKLM	6168	42.23	27.86	0.0	100.0
R6WORKLM	5232	42.84	28.15	0.0	100.0
S1WORKLM	6378	38.74	27.87	0.0	100.0
S2WORKLM	6023	36.17	27.98	0.0	100.0
S3WORKLM	4157	38.78	28.71	0.0	100.0
S4WORKLM	5310	38.86	27.81	0.0	100.0
S5WORKLM	4533	41.92	27.59	0.0	100.0
S6WORKLM	3809	42.22	27.71	0.0	100.0

How Constructed

In Wave 1, Respondent's self-reported probability of health limiting work is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise this variable simply recodes missing values.

If Respondent's health already limits his/her work then this variable is set to .A. It is set to .W if skipped because Respondent is not working, and to .S if skipped because the interview is by proxy. If the HRS variable contains a valid probability it is assigned regardless of the Respondent's work or proxy status.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORKLM.

The question is not asked from wave 7 and forward.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section. In Wave 2H it is in the Cognitions section, and thereafter it is in the Expectations section. The question is not asked from Wave 7 forward. The question wording is the same across all waves:

"What about the chances that your health will limit your work activity during the next 10 years?"

In Wave 1 and from Wave 3H forward, the question is skipped if Respondent is not currently working for pay. In Wave 2H, it is skipped if the Respondent is not working for pay and answers "absolutely no chance" to a previous question about the chances of working in the future. From Wave 2H forward it is skipped if the interview is by proxy.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain. The Respondent may also indicate that a health problem already limits work.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to the .Q SAS special missing value, to indicate that no information is available.

HRS Variables Used

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HRS 1992:
    V3210           F73:RATE:HLTH WILL LMT W
HRS 1994:
    W5806           CFA106.PROB HEALTH LIMIT
HRS 1996:
    E3798           H6. HEALTH LIMIT WORK
HRS 2000:
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HP019           CHANCE HEALTH LIMIT ACTIVITY - NEXT 10YR
```

Self-reported probability of moving to nursing home in next 5 years

Wave	Variable	Label	Type
4	R4PNHM5Y	R4PNHM5Y:W4 R Prob moving to NHM in 5 yrs	Cont
5	R5PNHM5Y	R5PNHM5Y:W5 R Prob moving to NHM in 5 yrs	Cont
6	R6PNHM5Y	R6PNHM5Y:W6 R Prob moving to NHM in 5 yrs	Cont
7	R7PNHM5Y	R7PNHM5Y:W7 R Prob moving to NHM in 5 yrs	Cont
8	R8PNHM5Y	R8PNHM5Y:W8 R Prob moving to NHM in 5 yrs	Cont
9	R9PNHM5Y	R9PNHM5Y:W9 R Prob moving to NHM in 5 yrs	Cont
10	R10PNHM5Y	R10PNHM5Y:W10 R Prob moving to NHM in 5 yrs	Cont
11	R11PNHM5Y	R11PNHM5Y:W11 R Prob moving to NHM in 5 yrs	Cont
12	R12PNHM5Y	R12PNHM5Y:W12 R Prob moving to NHM in 5 yrs	Cont
4	S4PNHM5Y	S4PNHM5Y:W4 S Prob moving to NHM in 5 yrs	Cont
5	S5PNHM5Y	S5PNHM5Y:W5 S Prob moving to NHM in 5 yrs	Cont
6	S6PNHM5Y	S6PNHM5Y:W6 S Prob moving to NHM in 5 yrs	Cont
7	S7PNHM5Y	S7PNHM5Y:W7 S Prob moving to NHM in 5 yrs	Cont
8	S8PNHM5Y	S8PNHM5Y:W8 S Prob moving to NHM in 5 yrs	Cont
9	S9PNHM5Y	S9PNHM5Y:W9 S Prob moving to NHM in 5 yrs	Cont
10	S10PNHM5Y	S10PNHM5Y:W10 S Prob moving to NHM in 5 yrs	Cont
11	S11PNHM5Y	S11PNHM5Y:W11 S Prob moving to NHM in 5 yrs	Cont
12	S12PNHM5Y	S12PNHM5Y:W12 S Prob moving to NHM in 5 yrs	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4PNHM5Y	8546	12.10	21.02	0.0	100.0
R5PNHM5Y	8163	14.03	21.99	0.0	100.0
R6PNHM5Y	8310	13.73	21.46	0.0	100.0
R7PNHM5Y	8795	13.86	21.49	0.0	100.0
R8PNHM5Y	9188	13.74	21.29	0.0	100.0
R9PNHM5Y	9408	14.73	21.67	0.0	100.0
R10PNHM5Y	9159	15.61	22.67	0.0	100.0
R11PNHM5Y	9046	16.81	23.33	0.0	100.0
R12PNHM5Y	8887	16.67	23.43	0.0	100.0
S4PNHM5Y	5107	11.09	19.44	0.0	100.0
S5PNHM5Y	4816	12.91	20.35	0.0	100.0
S6PNHM5Y	4897	12.84	20.11	0.0	100.0
S7PNHM5Y	5302	12.72	20.07	0.0	100.0
S8PNHM5Y	5435	12.79	19.69	0.0	100.0
S9PNHM5Y	5557	13.96	20.26	0.0	100.0
S10PNHM5Y	5383	14.73	20.91	0.0	100.0
S11PNHM5Y	5277	15.91	21.89	0.0	100.0
S12PNHM5Y	4982	15.81	21.77	0.0	100.0

How Constructed

RwPNHM5Y is the Respondent's self-reported probability of moving to nursing home in next 5 years. From Wave 4 forward, the question is only asked among those 65 and older.

SwPNHM5Y provides this information for the Respondent's spouse or partner.

RwPNHM5Y simply recodes for missing values. It is set to .N if skipped because Respondent is currently in nursing home. It is set to .S if the question is skipped because the interview is by proxy. It is set to .A if skipped because Respondent is younger than 65. It is set to .X if the Respondent can not perform the probability question. .D means Don't Know and .R means the Respondent refused to answer the question.

The spouse variable is taken from the wave "w" spouse's self-report.

Because this question is not asked or asked of the different samples in Waves 1 to 3, the measure is not included for these earlier waves at this time.

Cross Wave Differences in Original HRS Data

The question asks: "What is the percent chance that you will move to a nursing home in the next five years?" It is only asked among those aged 65 and older. For some of those younger than 65 who are not re-interviews, an alternate question wording asks for the probability of ever moving to a nursing home. This variable does NOT include answers to the alternate question asked of younger Respondents.

The question is not asked if Respondent is currently in nursing home, the interview is by proxy and if Respondent is younger than age 65.

This question is not asked at all in Wave 1, and is asked of varying samples in Waves 2 and 3. In Waves 2A and 3A it is asked of everyone. In Wave 2H it is asked of those 60 and older, and in Wave 3H it is asked of those 70 and older. The alternate question wording asked of younger Respondents appears in Wave 3H for those 60 to 69 years old.

HRS Variables Used

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HRS 1998:
    F1014           R`S CUR AGE
    F4610           H14. MOVE TO NURSING HOME
    F517            CS11.R IN NURSING HOME
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1101           A21Y1.R-CURRENT AGE
    G5023           H14. MOVE TO NURSING HOME
    G558            CS11.R IN NURSING HOME
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002:
    HA019           R CURRENT AGE CALCULATION
    HA028           R IN NURSING HOME
    HP032           PERCENT CHANCE R WILL MOVE TO NH IN 5YR
HRS 2004:
    JA019           R CURRENT AGE CALCULATION
    JA028           R IN NURSING HOME
    JP032           PERCENT CHANCE R WILL MOVE TO NH IN 5YR
HRS 2006:
    KA019           R CURRENT AGE CALCULATION
    KA028           R IN NURSING HOME
    KP032           PERCENT CHANCE R WILL MOVE TO NH IN 5YR
HRS 2008:
    LA019           R CURRENT AGE CALCULATION
    LA028           R IN NURSING HOME
    LP032           PERCENT CHANCE R WILL MOVE TO NH IN 5YR
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HRS 2010:
    MA019           R CURRENT AGE CALCULATION
    MA028           R IN NURSING HOME
    MP032           PERCENT CHANCE R WILL MOVE TO NH IN 5YR
HRS 2012:
    NA019           R CURRENT AGE CALCULATION
    NA028           R IN NURSING HOME
    NP032           PERCENT CHANCE R WILL MOVE TO NH IN 5YR
HRS 2014:
    OA019           R CURRENT AGE CALCULATION
    OA028           R IN NURSING HOME
    OP032           PERCENT CHANCE R WILL MOVE TO NH IN 5YR
```

Retirement satisfaction

Wave	Variable	Label	Type
1	R1RETSAT	R1RETSAT:W1 Ret Satisfying	Categ
2	R2RETSAT	R2RETSAT:W2 Ret Satisfying	Categ
3	R3RETSAT	R3RETSAT:W3 Ret Satisfying	Categ
4	R4RETSAT	R4RETSAT:W4 Ret Satisfying	Categ
5	R5RETSAT	R5RETSAT:W5 Ret Satisfying	Categ
6	R6RETSAT	R6RETSAT:W6 Ret Satisfying	Categ
7	R7RETSAT	R7RETSAT:W7 Ret Satisfying	Categ
8	R8RETSAT	R8RETSAT:W8 Ret Satisfying	Categ
9	R9RETSAT	R9RETSAT:W9 Ret Satisfying	Categ
10	R10RETSAT	R10RETSAT:W10 Ret Satisfying	Categ
11	R11RETSAT	R11RETSAT:W11 Ret Satisfying	Categ
12	R12RETSAT	R12RETSAT:W12 Ret Satisfying	Categ
1	S1RETSAT	S1RETSAT:W1 Ret Satisfying	Categ
2	S2RETSAT	S2RETSAT:W2 Ret Satisfying	Categ
3	S3RETSAT	S3RETSAT:W3 Ret Satisfying	Categ
4	S4RETSAT	S4RETSAT:W4 Ret Satisfying	Categ
5	S5RETSAT	S5RETSAT:W5 Ret Satisfying	Categ
6	S6RETSAT	S6RETSAT:W6 Ret Satisfying	Categ
7	S7RETSAT	S7RETSAT:W7 Ret Satisfying	Categ
8	S8RETSAT	S8RETSAT:W8 Ret Satisfying	Categ
9	S9RETSAT	S9RETSAT:W9 Ret Satisfying	Categ
10	S10RETSAT	S10RETSAT:W10 Ret Satisfying	Categ
11	S11RETSAT	S11RETSAT:W11 Ret Satisfying	Categ
12	S12RETSAT	S12RETSAT:W12 Ret Satisfying	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETSAT	1787	1.76	0.77	1.0	3.0
R2RETSAT	2207	1.64	0.73	1.0	3.0
R3RETSAT	2890	1.55	0.68	1.0	3.0
R4RETSAT	7239	1.48	0.64	1.0	3.0
R5RETSAT	7289	1.47	0.63	1.0	3.0
R6RETSAT	6992	1.46	0.61	1.0	3.0
R7RETSAT	8324	1.54	0.65	1.0	3.0
R8RETSAT	8421	1.55	0.65	1.0	3.0
R9RETSAT	8230	1.54	0.64	1.0	3.0
R10RETSAT	9129	1.61	0.67	1.0	3.0
R11RETSAT	9128	1.62	0.67	1.0	3.0
R12RETSAT	9006	1.62	0.67	1.0	3.0
S1RETSAT	1418	1.67	0.73	1.0	3.0
S2RETSAT	1685	1.54	0.68	1.0	3.0
S3RETSAT	2187	1.48	0.64	1.0	3.0
S4RETSAT	4392	1.43	0.62	1.0	3.0
S5RETSAT	4551	1.42	0.61	1.0	3.0
S6RETSAT	4221	1.41	0.59	1.0	3.0
S7RETSAT	5016	1.48	0.64	1.0	3.0
S8RETSAT	5013	1.49	0.63	1.0	3.0
S9RETSAT	4748	1.47	0.61	1.0	3.0
S10RETSAT	5142	1.53	0.65	1.0	3.0
S11RETSAT	5086	1.55	0.65	1.0	3.0
S12RETSAT	4820	1.54	0.65	1.0	3.0

Categorical Variable Codes

Value	R1RETSAT	R2RETSAT	R3RETSAT	R4RETSAT	R5RETSAT	R6RETSAT	R7RETSAT
.D=DK	2	7	8	42	31	28	44
.I=Irrelevant	1257	839	4792	4320	3538	2787	2080
.M=Oth missing	2			9	48	24	163
.N=Not retired	8945	7638	6909	8421	7287	6293	8219
.Q=Not asked this wv		8222					
.R=RF	13	1	3	5	4	5	5
.S=Skip, proxy IW	646	728	1457	1348	1382	2036	1294
.X=Retired over 2 yrs ago			1932				
1.Very	783	1134	1626	4356	4415	4238	4571
2.Moderately	641	739	950	2313	2342	2313	3016
3.Not at all	363	334	314	570	532	441	737

Value	R8RETSAT	R9RETSAT	R10RETSAT	R11RETSAT	R12RETSAT
.D=DK	56	26	63	81	92
.I=Irrelevant	1958	1707	945	735	438
.M=Oth missing	113	127	123	177	153
.N=Not retired	7039	6357	10947	9775	8484
.R=RF	6	5	5	9	11
.S=Skip, proxy IW	876	765	822	649	564
1.Very	4517	4414	4546	4418	4379
2.Moderately	3163	3166	3602	3721	3680
3.Not at all	741	650	981	989	947

Value	S1RETSAT	S2RETSAT	S3RETSAT	S4RETSAT	S5RETSAT	S6RETSAT	S7RETSAT
.D=DK	2	4	3	14	20	14	23
.I=Irrelevant	943	578	2411	2533	2058	1604	1198
.M=Oth missing	1			5	33	11	41
.N=Not retired	6916	5803	5113	6076	5193	4428	5820
.Q=Not asked this wv		4549					
.R=RF	6	1	1	1	1	2	1
.S=Skip, proxy IW	614	668	941	957	874	1359	873
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.X=Retired over 2 yrs ago			1259				
1.Very	687	955	1323	2804	2923	2740	3001
2.Moderately	513	545	687	1273	1326	1248	1628
3.Not at all	218	185	177	315	302	233	387

Value	S8RETSAT	S9RETSAT	S10RETSAT	S11RETSAT	S12RETSAT
.D=DK	27	6	21	36	30
.I=Irrelevant	1114	960	545	439	255
.M=Oth missing	34	39	39	67	43
.N=Not retired	4990	4446	7246	6472	5532
.R=RF	2	1	3	5	9
.S=Skip, proxy IW	555	446	517	383	342
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Very	2931	2795	2836	2727	2627
2.Moderately	1702	1651	1873	1915	1789
3.Not at all	380	302	433	444	404

How Constructed

RwRETSAT is the Respondent's self-report of retirement satisfaction. The question is asked if the Respondent is completely retired. SwRETSAT provides the information for the Respondent's spouse or partner.

RwRETSAT simply recodes for missing values. It is set to .N if Respondent is not retired. It is set to .I if the question is

irrelevant because Respondent has not worked relatively recently. These cases correspond to those where RwSAYRET is coded 3.Question irrelevant. It is set to .S if the question is skipped because the interview is by proxy. In Wave 3A, when R3SAYRET is .A for probably retired, R3RETSAT is set to .I, and if the question is skipped because Respondent retired more than two years ago, it is set to .X.

The spouse variable is taken from the wave "w" spouse's self-report. If Respondent is not married, SwRETSAT is set to .U=unmarried. If Respondent's spouse did not respond then these are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the measure is not included at this time.

Cross Wave Differences in Original HRS Data

For all waves, the question is: "All in all, would you say that your retirement has turned out to be very satisfying, moderately satisfying, or not at all satisfying?"

The question is asked of everyone who says they are completely retired in RwSAYRET and where the interview is not by proxy. In Wave 3A, the question is also skipped if Respondent retired more than two years ago.

This question is not asked in Wave 2A.

HRS Variables Used

```
HRS 1992:
    V4921           K9:SATISFIED W/RETIRMNT
HRS 1994:
    W3987           FA125.HOW SATISFIED WITH
    W4642           FB85.HOW SATISFIED WITH
    W5026           FC43.HOW SATISFIED WITH
AHEAD 1995:
    D3137           GA125.HOW SATISFIED
    D3495           GB85.HOW SATISFIED
    D3717           GC43.HOW SATISFIED
HRS 1996:
    E3045           G136.HOW SATISFIED WITH RETIREMENT
HRS 1998:
    F3576           G136.HOW SATISFIED WITH RETIREMENT
HRS 2000:
    G3865           G136.HOW SATISFIED WITH RETIREMENT
HRS 2002:
    HJ584           HOW SATISFIED W/ RETIREMENT
HRS 2004:
    JJ584           HOW SATISFIED W/ RETIREMENT
HRS 2006:
    KJ584           HOW SATISFIED W/ RETIREMENT
HRS 2008:
    LJ584           HOW SATISFIED W/ RETIREMENT
HRS 2010:
    MJ584           HOW SATISFIED W/ RETIREMENT
HRS 2012:
    NJ584           HOW SATISFIED W/ RETIREMENT
HRS 2014:
    OJ584           HOW SATISFIED W/ RETIREMENT
```

Retirement years compared to years just before retirement

Wave	Variable	Label	Type
1	R1RYRCMP	R1RYRCMP:W1 Ret Yrs Compared to Before	Categ
2	R2RYRCMP	R2RYRCMP:W2 Ret Yrs Compared to Before	Categ
3	R3RYRCMP	R3RYRCMP:W3 Ret Yrs Compared to Before	Categ
4	R4RYRCMP	R4RYRCMP:W4 Ret Yrs Compared to Before	Categ
5	R5RYRCMP	R5RYRCMP:W5 Ret Yrs Compared to Before	Categ
6	R6RYRCMP	R6RYRCMP:W6 Ret Yrs Compared to Before	Categ
7	R7RYRCMP	R7RYRCMP:W7 Ret Yrs Compared to Before	Categ
8	R8RYRCMP	R8RYRCMP:W8 Ret Yrs Compared to Before	Categ
9	R9RYRCMP	R9RYRCMP:W9 Ret Yrs Compared to Before	Categ
10	R10RYRCMP	R10RYRCMP:W10 Ret Yrs Compared to Before	Categ
11	R11RYRCMP	R11RYRCMP:W11 Ret Yrs Compared to Before	Categ
12	R12RYRCMP	R12RYRCMP:W12 Ret Yrs Compared to Before	Categ
1	S1RYRCMP	S1RYRCMP:W1 Ret Yrs Compared to Before	Categ
2	S2RYRCMP	S2RYRCMP:W2 Ret Yrs Compared to Before	Categ
3	S3RYRCMP	S3RYRCMP:W3 Ret Yrs Compared to Before	Categ
4	S4RYRCMP	S4RYRCMP:W4 Ret Yrs Compared to Before	Categ
5	S5RYRCMP	S5RYRCMP:W5 Ret Yrs Compared to Before	Categ
6	S6RYRCMP	S6RYRCMP:W6 Ret Yrs Compared to Before	Categ
7	S7RYRCMP	S7RYRCMP:W7 Ret Yrs Compared to Before	Categ
8	S8RYRCMP	S8RYRCMP:W8 Ret Yrs Compared to Before	Categ
9	S9RYRCMP	S9RYRCMP:W9 Ret Yrs Compared to Before	Categ
10	S10RYRCMP	S10RYRCMP:W10 Ret Yrs Compared to Before	Categ
11	S11RYRCMP	S11RYRCMP:W11 Ret Yrs Compared to Before	Categ
12	S12RYRCMP	S12RYRCMP:W12 Ret Yrs Compared to Before	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RYRCMP	1653	2.84	1.67	1.0	5.0
R2RYRCMP	2088	2.56	1.63	1.0	5.0
R3RYRCMP	2727	2.43	1.55	1.0	5.0
R4RYRCMP	7052	2.41	1.49	1.0	5.0
R5RYRCMP	7115	2.32	1.49	1.0	5.0
R6RYRCMP	6809	2.37	1.46	1.0	5.0
R7RYRCMP	2224	2.46	1.51	1.0	5.0
R8RYRCMP	2025	2.51	1.49	1.0	5.0
R9RYRCMP	1808	2.41	1.49	1.0	5.0
R10RYRCMP	2529	2.72	1.55	1.0	5.0
R11RYRCMP	2456	2.76	1.55	1.0	5.0
R12RYRCMP	1843	2.52	1.48	1.0	5.0
S1RYRCMP	1305	2.67	1.63	1.0	5.0
S2RYRCMP	1596	2.38	1.58	1.0	5.0
S3RYRCMP	2065	2.29	1.49	1.0	5.0
S4RYRCMP	4254	2.28	1.46	1.0	5.0
S5RYRCMP	4442	2.20	1.46	1.0	5.0
S6RYRCMP	4099	2.25	1.42	1.0	5.0
S7RYRCMP	1455	2.33	1.47	1.0	5.0
S8RYRCMP	1324	2.39	1.46	1.0	5.0
S9RYRCMP	1160	2.24	1.43	1.0	5.0
S10RYRCMP	1547	2.57	1.50	1.0	5.0
S11RYRCMP	1519	2.59	1.51	1.0	5.0
S12RYRCMP	1131	2.41	1.44	1.0	5.0

Categorical Variable Codes

Value	R1RYRCMP	R2RYRCMP	R3RYRCMP	R4RYRCMP	R5RYRCMP	R6RYRCMP	R7RYRCMP
.D=DK	4	7	13	58	61	60	20
.I=Irrelevant	1257	839	4792	4320	3538	2787	2081
.M=Oth missing	2		2	9	48	24	56
.N=Not completely retired	8945	7638	6909	8421	7287	6293	8219
.Q=Not asked this wv		8222					
.R=RF	13	1	5	5	5	8	4
.S=Skip, proxy IW	646	728	1457	1348	1382	2036	1802
.W=Not working prev 2 wvs							5620
.X=Retired over 2 ago			1932				
.Y=Retired lt 1 yr ago	132	119	154	171	143	148	103
1.Better	649	972	1319	3326	3575	3223	1017
3.About same	486	601	870	2493	2368	2509	795
5.Not as good	518	515	538	1233	1172	1077	412

Value	R8RYRCMP	R9RYRCMP	R10RYRCMP	R11RYRCMP	R12RYRCMP
.D=DK	29	19	14	17	17
.I=Irrelevant	1958	1707	945	735	438
.M=Oth missing	109	124	141	325	126
.N=Not completely retired	7039	6357	10947	9776	8484
.R=RF	2	1	3	6	6
.S=Skip, proxy IW	1260	1140	1382	1145	1050
.W=Not working prev 2 wvs	5907	5981	6006	6032	6735
.Y=Retired lt 1 yr ago	140	80	67	62	49
1.Better	875	846	958	905	777
3.About same	774	652	964	944	727
5.Not as good	376	310	607	607	339

Value	S1RYRCMP	S2RYRCMP	S3RYRCMP	S4RYRCMP	S5RYRCMP	S6RYRCMP	S7RYRCMP
.D=DK	4	3	6	26	24	29	10
.I=Irrelevant	943	578	2411	2533	2058	1604	1199
.M=Oth missing	1			5	33	11	31
.N=Not completely retired	6916	5803	5113	6076	5193	4428	5820
.Q=Not asked this wv		4549					
.R=RF	10	1	3	3	1	3	1
.S=Skip, proxy IW	614	668	941	957	874	1359	1203
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Not working prev 2 wvs							3180
.X=Retired over 2 ago			1259				
.Y=Retired lt 1 yr ago	107	90	117	124	105	106	73
1.Better	560	818	1065	2180	2418	2096	715
3.About same	401	452	666	1428	1374	1452	511
5.Not as good	344	326	334	646	650	551	229

Value	S8RYRCMP	S9RYRCMP	S10RYRCMP	S11RYRCMP	S12RYRCMP
.D=DK	14	10	6	8	7
.I=Irrelevant	1114	960	545	439	255
.M=Oth missing	51	59	78	182	56
.N=Not completely retired	4990	4446	7246	6473	5532
.R=RF			3	6	4
.S=Skip, proxy IW	792	657	817	648	589
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Not working prev 2 wvs	3358	3294	3221	3174	3427
.Y=Retired lt 1 yr ago	92	60	50	39	30
1.Better	616	598	638	619	506
3.About same	495	403	604	591	451
5.Not as good	213	159	305	309	174

How Constructed

RwRYRCMP is the Respondent's comparison of retirement years to the time just before retirement. The question is asked if the Respondent is completely retired. SwRYRCMP provides this information for the Respondent's spouse or partner.

RwRYRCMP recodes for missing values. It is set to .N if Respondent is not completely retired. It is set to .I if the question is irrelevant because Respondent has not worked relatively recently. These cases correspond to those where RwSAYRET is coded 3.Question irrelevant. RwRYRCMP is set to .S if the question is skipped because the interview is by proxy. It is set to .Y if Respondent retired less than one year ago.

In later waves, RwRYRCMP is set to .W if Respondent has not reported working in the previous two waves of data.

In Wave 2A this question is not asked and the value is set to .Q. In Wave 3A, when R3SAYRET is .A for probably retired, R3RYRCMP is set to .I, and if the question is skipped because Respondent retired more than two years ago, it is set to .X.

The spouse variable is taken from the wave "w" spouse's self-report. If Respondent is not married, SwRYRCMP is set to .U=unmarried. If Respondent's spouse did not respond then these are set to .V=Spouse.

Cross Wave Differences in Original HRS Data

In all waves this question is skipped if the interview is by proxy. Otherwise the sample asked this question varies across waves.

In Waves 1-3, all self-reporting, fully retired Respondents are asked this question.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Wave 6 if person is 65 or older the questions are skipped. Otherwise, all other self-reporting retired Respondents are asked this question.

In Waves 7 and forward, Respondents are skipped if they are not completely retired or if they have not reported working in the previous two waves of data.

HRS Variables Used

```
HRS 1992:
    V4922           K10:QUAL OF RET VS.WK YR
HRS 1994:
    W3988           FA126.RETIREMENT YEARS B
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    W4643           FB86.RETIREMENT YEARS BE
    W5027           FC44.RETIREMENT BETTER/S
AHEAD 1995:
    D3138           GA126.BETTER/SAME
    D3496           GB86.BETTER/SAME
    D3718           GC44.BETTER/SAME
HRS 1996:
    E3046           G137.RETIREMENT YEARS BETTER/SAME
HRS 1998:
    F3577           G137.RETIREMENT YEARS BETTER/SAME
HRS 2000:
    G3866           G137.RETIREMENT YEARS BETTER/SAME
HRS 2002:
    HJ585           RETIREMENT YRS BETTER/SAME
HRS 2004:
    JJ585           RETIREMENT YRS BETTER/SAME
HRS 2006:
    KJ585           RETIREMENT YRS BETTER/SAME
HRS 2008:
    LJ585           RETIREMENT YRS BETTER/SAME
HRS 2010:
    MJ585           RETIREMENT YRS BETTER/SAME
HRS 2012:
    NJ585           RETIREMENT YRS BETTER/SAME
HRS 2014:
    OJ585           RETIREMENT YRS BETTER/SAME
```

Section J: Employment History

Currently working for pay

Wave	Variable	Label	Type
1	R1WORK	R1WORK:W1 R working for pay	Categ
2	R2WORK	R2WORK:W2 R working for pay	Categ
3	R3WORK	R3WORK:W3 R working for pay	Categ
4	R4WORK	R4WORK:W4 R working for pay	Categ
5	R5WORK	R5WORK:W5 R working for pay	Categ
6	R6WORK	R6WORK:W6 R working for pay	Categ
7	R7WORK	R7WORK:W7 R working for pay	Categ
8	R8WORK	R8WORK:W8 R working for pay	Categ
9	R9WORK	R9WORK:W9 R working for pay	Categ
10	R10WORK	R10WORK:W10 R working for pay	Categ
11	R11WORK	R11WORK:W11 R working for pay	Categ
12	R12WORK	R12WORK:W12 R working for pay	Categ
1	S1WORK	S1WORK:W1 S working for pay	Categ
2	S2WORK	S2WORK:W2 S working for pay	Categ
3	S3WORK	S3WORK:W3 S working for pay	Categ
4	S4WORK	S4WORK:W4 S working for pay	Categ
5	S5WORK	S5WORK:W5 S working for pay	Categ
6	S6WORK	S6WORK:W6 S working for pay	Categ
7	S7WORK	S7WORK:W7 S working for pay	Categ
8	S8WORK	S8WORK:W8 S working for pay	Categ
9	S9WORK	S9WORK:W9 S working for pay	Categ
10	S10WORK	S10WORK:W10 S working for pay	Categ
11	S11WORK	S11WORK:W11 S working for pay	Categ
12	S12WORK	S12WORK:W12 S working for pay	Categ
1	R1WORK2	R1WORK2:W1 Works at 2nd job	Categ
2	R2WORK2	R2WORK2:W2 Works at 2nd job	Categ
3	R3WORK2	R3WORK2:W3 Works at 2nd job	Categ
4	R4WORK2	R4WORK2:W4 Works at 2nd job	Categ
5	R5WORK2	R5WORK2:W5 Works at 2nd job	Categ
6	R6WORK2	R6WORK2:W6 Works at 2nd job	Categ
7	R7WORK2	R7WORK2:W7 Works at 2nd job	Categ
8	R8WORK2	R8WORK2:W8 Works at 2nd job	Categ
9	R9WORK2	R9WORK2:W9 Works at 2nd job	Categ
10	R10WORK2	R10WORK2:W10 Works at 2nd job	Categ
11	R11WORK2	R11WORK2:W11 Works at 2nd job	Categ
12	R12WORK2	R12WORK2:W12 Works at 2nd job	Categ
1	S1WORK2	S1WORK2:W1 Works at 2nd job	Categ
2	S2WORK2	S2WORK2:W2 Works at 2nd job	Categ
3	S3WORK2	S3WORK2:W3 Works at 2nd job	Categ
4	S4WORK2	S4WORK2:W4 Works at 2nd job	Categ
5	S5WORK2	S5WORK2:W5 Works at 2nd job	Categ
6	S6WORK2	S6WORK2:W6 Works at 2nd job	Categ
7	S7WORK2	S7WORK2:W7 Works at 2nd job	Categ
8	S8WORK2	S8WORK2:W8 Works at 2nd job	Categ
9	S9WORK2	S9WORK2:W9 Works at 2nd job	Categ
10	S10WORK2	S10WORK2:W10 Works at 2nd job	Categ
11	S11WORK2	S11WORK2:W11 Works at 2nd job	Categ
12	S12WORK2	S12WORK2:W12 Works at 2nd job	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK	12638	0.66	0.47	0.0	1.0
R2WORK	19611	0.40	0.49	0.0	1.0
R3WORK	17938	0.38	0.49	0.0	1.0
R4WORK	21341	0.39	0.49	0.0	1.0
R5WORK	19542	0.37	0.48	0.0	1.0

R6WORK	18144	0.33	0.47	0.0	1.0
R7WORK	20106	0.39	0.49	0.0	1.0
R8WORK	18456	0.36	0.48	0.0	1.0
R9WORK	17199	0.34	0.47	0.0	1.0
R10WORK	21826	0.41	0.49	0.0	1.0
R11WORK	20502	0.39	0.49	0.0	1.0
R12WORK	18709	0.37	0.48	0.0	1.0
S1WORK	9895	0.67	0.47	0.0	1.0
S2WORK	13082	0.46	0.50	0.0	1.0
S3WORK	11900	0.43	0.50	0.0	1.0
S4WORK	13968	0.45	0.50	0.0	1.0
S5WORK	12721	0.42	0.49	0.0	1.0
S6WORK	11631	0.39	0.49	0.0	1.0
S7WORK	12965	0.44	0.50	0.0	1.0
S8WORK	11732	0.42	0.49	0.0	1.0
S9WORK	10637	0.40	0.49	0.0	1.0
S10WORK	13394	0.46	0.50	0.0	1.0
S11WORK	12472	0.44	0.50	0.0	1.0
S12WORK	11016	0.42	0.49	0.0	1.0
R1WORK2	12638	0.08	0.28	0.0	1.0
R2WORK2	18833	0.04	0.20	0.0	1.0
R3WORK2	17672	0.04	0.19	0.0	1.0
R4WORK2	21261	0.04	0.20	0.0	1.0
R5WORK2	19486	0.03	0.18	0.0	1.0
R6WORK2	18107	0.03	0.17	0.0	1.0
R7WORK2	20015	0.04	0.20	0.0	1.0
R8WORK2	18346	0.04	0.19	0.0	1.0
R9WORK2	17087	0.04	0.19	0.0	1.0
R10WORK2	21671	0.05	0.22	0.0	1.0
R11WORK2	20300	0.05	0.21	0.0	1.0
R12WORK2	18586	0.04	0.20	0.0	1.0
S1WORK2	9895	0.08	0.27	0.0	1.0
S2WORK2	12557	0.05	0.21	0.0	1.0
S3WORK2	11725	0.04	0.20	0.0	1.0
S4WORK2	13915	0.04	0.21	0.0	1.0
S5WORK2	12683	0.04	0.19	0.0	1.0
S6WORK2	11599	0.04	0.19	0.0	1.0
S7WORK2	12899	0.05	0.22	0.0	1.0
S8WORK2	11650	0.04	0.20	0.0	1.0
S9WORK2	10562	0.04	0.19	0.0	1.0
S10WORK2	13293	0.06	0.23	0.0	1.0
S11WORK2	12336	0.06	0.23	0.0	1.0
S12WORK2	10936	0.05	0.22	0.0	1.0

Categorical Variable Codes

Value	R1WORK	R2WORK	R3WORK	R4WORK	R5WORK	R6WORK	R7WORK
.D=DK		3	3			2	2
.M=Oth missing	14	24	46	34	29	11	11
.R=RF		4	4	9	8	8	10
0.Not working for pay	4268	11789	11121	12943	12339	12082	12265
1.Working for pay	8370	7822	6817	8398	7203	6062	7841

Value	R8WORK	R9WORK	R10WORK	R11WORK	R12WORK
.D=DK			2	4	3
.M=Oth missing	10	13	187	36	29
.R=RF	3	5	19	12	7
0.Not working for pay	11814	11321	12970	12545	11847
1.Working for pay	6642	5878	8856	7957	6862

Value	S1WORK	S2WORK	S3WORK	S4WORK	S5WORK	S6WORK	S7WORK
.D=DK						1	1
.M=Oth missing	5	4	14	8	7	3	1
.R=RF		2	1	2	2	4	5
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.Not working for pay	3300	7057	6727	7731	7341	7124	7202
1.Working for pay	6595	6025	5173	6237	5380	4507	5763

Value	S8WORK	S9WORK	S10WORK	S11WORK	S12WORK
.D=DK			1	3	2
.M=Oth missing	1	4	111	8	8
.R=RF	2	5	7	5	5
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Not working for pay	6859	6393	7286	6975	6349
1.Working for pay	4873	4244	6108	5497	4667

Value	R1WORK2	R2WORK2	R3WORK2	R4WORK2	R5WORK2	R6WORK2	R7WORK2
.D=DK			2	6	4	4	
.M=Oth missing	14	31	314	114	82	51	108
.Q=Not asked this wv		778					
.R=RF			3	3	7	3	6
0.Not working for pay	11591	18082	17007	20406	18827	17554	19154
1.Working for pay	1047	751	665	855	659	553	861

Value	R8WORK2	R9WORK2	R10WORK2	R11WORK2	R12WORK2
.D=DK		1	2	4	3
.M=Oth missing	121	126	359	242	156
.R=RF	2	3	2	8	3
0.Not working for pay	17659	16480	20579	19355	17776
1.Working for pay	687	607	1092	945	810

Value	S1WORK2	S2WORK2	S3WORK2	S4WORK2	S5WORK2	S6WORK2	S7WORK2
.D=DK			1	2	4	2	
.M=Oth missing	5	6	187	59	38	35	67
.Q=Not asked this wv		525					
.R=RF			2	2	5	3	6
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.Not working for pay	9100	11967	11236	13295	12195	11175	12267
1.Working for pay	795	590	489	620	488	424	632

Value	S8WORK2	S9WORK2	S10WORK2	S11WORK2	S12WORK2
.D=DK		1	1	3	2
.M=Oth missing	83	82	218	144	90
.R=RF	2	1	1	5	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Not working for pay	11149	10156	12547	11649	10390
1.Working for pay	501	406	746	687	546

How Constructed

RwWORK is derived from the question: "Are you currently working for pay?" It simply recodes this variable to a yes/no indicator and for missing values. In some waves a response of working but not for pay is allowed. This is treated as NOT working for pay.

RwWORK2 indicates whether the Respondent is working at a second job. If RwWORK is set to "0", then RwWORK2 is also "0" (No).

In Wave 1 the source variable for RwWORK is imputed in the HRS data. The imputation is not used, if imputed RwWORK is set to missing.

In Wave 2A, there is no question about a second job. So for the AHEAD Respondents, R2WORK2 is set to the .Q SAS special missing value, to indicate that no information is available.

In Wave 3A, RwWORK is also derived from the employment status question: "Are you working now, temporarily laid off, unemployed and looking for work, disabled and unable to work, retired, a homemaker, or what?" If there is no information in the question: "Are you currently working for pay?" and the Respondent reports "Working now" as employment status, then RwWORK is set to "1" (Yes).

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK and RwWORK2.

Cross Wave Differences in Original HRS Data

The questions about working for pay and working a second job are the same across waves. The questions ask:

"Are you doing any work for pay at the present time?"

"Are you doing any other work for pay now, such as (another) business of your own, a second job or the military reserves?"

In Wave 1 the first question may have a response of "working but not for pay."

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V3327           F86:DNG ANY OTR WRK :IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3956           FA117.ANY OTHER PAID WOR
    W4611           FB77.ANY OTHER PAID WORK
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D3110           GA117. ANY OTHER PAID WORK
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E3019           G128.ANY OTHER PAID WORK
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3549           G128.ANY OTHER PAID WORK
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3838           G128.ANY OTHER PAID WORK
HRS 2002:
    HJ020           WORKING FOR PAY
    HJ553           ANY OTR PAID WORK
HRS 2004:
    JJ020           WORKING FOR PAY
    JJ553           ANY OTR PAID WORK
HRS 2006:
    KJ020           WORKING FOR PAY
    KJ553           ANY OTR PAID WORK
HRS 2008:
    LJ020           WORKING FOR PAY
    LJ553           ANY OTR PAID WORK
HRS 2010:
    MJ020           WORKING FOR PAY
    MJ553           ANY OTR PAID WORK
HRS 2012:
    NJ020           WORKING FOR PAY
    NJ553           ANY OTR PAID WORK
HRS 2014:
    OJ020           WORKING FOR PAY
    OJ553           ANY OTR PAID WORK
```

Whether Self-Employed

Wave	Variable	Label	Type
1	R1SLFEMP	R1SLFEMP:W1 WHETHER SELF-EMPLOYED	Categ
2	R2SLFEMP	R2SLFEMP:W2 WHETHER SELF-EMPLOYED	Categ
3	R3SLFEMP	R3SLFEMP:W3 WHETHER SELF-EMPLOYED	Categ
4	R4SLFEMP	R4SLFEMP:W4 WHETHER SELF-EMPLOYED	Categ
5	R5SLFEMP	R5SLFEMP:W5 WHETHER SELF-EMPLOYED	Categ
6	R6SLFEMP	R6SLFEMP:W6 WHETHER SELF-EMPLOYED	Categ
7	R7SLFEMP	R7SLFEMP:W7 WHETHER SELF-EMPLOYED	Categ
8	R8SLFEMP	R8SLFEMP:W8 WHETHER SELF-EMPLOYED	Categ
9	R9SLFEMP	R9SLFEMP:W9 WHETHER SELF-EMPLOYED	Categ
10	R10SLFEMP	R10SLFEMP:W10 WHETHER SELF-EMPLOYED	Categ
11	R11SLFEMP	R11SLFEMP:W11 WHETHER SELF-EMPLOYED	Categ
12	R12SLFEMP	R12SLFEMP:W12 WHETHER SELF-EMPLOYED	Categ
1	S1SLFEMP	S1SLFEMP:W1 WHETHER SELF-EMPLOYED	Categ
2	S2SLFEMP	S2SLFEMP:W2 WHETHER SELF-EMPLOYED	Categ
3	S3SLFEMP	S3SLFEMP:W3 WHETHER SELF-EMPLOYED	Categ
4	S4SLFEMP	S4SLFEMP:W4 WHETHER SELF-EMPLOYED	Categ
5	S5SLFEMP	S5SLFEMP:W5 WHETHER SELF-EMPLOYED	Categ
6	S6SLFEMP	S6SLFEMP:W6 WHETHER SELF-EMPLOYED	Categ
7	S7SLFEMP	S7SLFEMP:W7 WHETHER SELF-EMPLOYED	Categ
8	S8SLFEMP	S8SLFEMP:W8 WHETHER SELF-EMPLOYED	Categ
9	S9SLFEMP	S9SLFEMP:W9 WHETHER SELF-EMPLOYED	Categ
10	S10SLFEMP	S10SLFEMP:W10 WHETHER SELF-EMPLOYED	Categ
11	S11SLFEMP	S11SLFEMP:W11 WHETHER SELF-EMPLOYED	Categ
12	S12SLFEMP	S12SLFEMP:W12 WHETHER SELF-EMPLOYED	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SLFEMP	8377	0.18	0.39	0.0	1.0
R2SLFEMP	7812	0.21	0.41	0.0	1.0
R3SLFEMP	6821	0.22	0.42	0.0	1.0
R4SLFEMP	8332	0.22	0.41	0.0	1.0
R5SLFEMP	7162	0.21	0.41	0.0	1.0
R6SLFEMP	6057	0.24	0.42	0.0	1.0
R7SLFEMP	7836	0.23	0.42	0.0	1.0
R8SLFEMP	6583	0.23	0.42	0.0	1.0
R9SLFEMP	5867	0.24	0.43	0.0	1.0
R10SLFEMP	8837	0.20	0.40	0.0	1.0
R11SLFEMP	7944	0.21	0.41	0.0	1.0
R12SLFEMP	6852	0.21	0.41	0.0	1.0
S1SLFEMP	6602	0.20	0.40	0.0	1.0
S2SLFEMP	6017	0.23	0.42	0.0	1.0
S3SLFEMP	5178	0.24	0.42	0.0	1.0
S4SLFEMP	6186	0.23	0.42	0.0	1.0
S5SLFEMP	5351	0.22	0.42	0.0	1.0
S6SLFEMP	4503	0.25	0.43	0.0	1.0
S7SLFEMP	5760	0.24	0.43	0.0	1.0
S8SLFEMP	4829	0.24	0.43	0.0	1.0
S9SLFEMP	4237	0.25	0.44	0.0	1.0
S10SLFEMP	6097	0.22	0.41	0.0	1.0
S11SLFEMP	5490	0.22	0.42	0.0	1.0
S12SLFEMP	4662	0.23	0.42	0.0	1.0

Categorical Variable Codes

Value	R1SLFEMP	R2SLFEMP	R3SLFEMP	R4SLFEMP	R5SLFEMP	R6SLFEMP	R7SLFEMP
.D=DK/NA			4	3	1	4	2
.M=Oth missing	16	31	55	106	75	21	23
.R=RF		10	2		2	1	3
.W=Skip,not working	4259	11789	11109	12943	12339	12082	12265
0.Not self-employed	6847	6141	5297	6523	5643	4630	6068
1.Self-employed	1530	1671	1524	1809	1519	1427	1768

Value	R8SLFEMP	R9SLFEMP	R10SLFEMP	R11SLFEMP	R12SLFEMP
.D=DK/NA	59	11	18	11	9
.M=Oth missing	13	18	209	53	39
.R=RF			1	1	1
.W=Skip,not working	11814	11321	12969	12545	11847
0.Not self-employed	5079	4447	7028	6284	5386
1.Self-employed	1504	1420	1809	1660	1466

Value	S1SLFEMP	S2SLFEMP	S3SLFEMP	S4SLFEMP	S5SLFEMP	S6SLFEMP	S7SLFEMP
.D=DK/NA			2	3	1	3	1
.M=Oth missing	5	6	17	58	36	8	7
.R=RF		8	1		1	1	2
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.W=Skip,not working	3293	7057	6717	7731	7341	7124	7202
0.Not self-employed	5314	4651	3961	4791	4167	3388	4373
1.Self-employed	1288	1366	1217	1395	1184	1115	1387

Value	S8SLFEMP	S9SLFEMP	S10SLFEMP	S11SLFEMP	S12SLFEMP
.D=DK/NA	44	7	11	5	5
.M=Oth missing	3	9	119	17	15
.R=RF			1	1	
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7285	6975	6349
0.Not self-employed	3667	3163	4771	4275	3613
1.Self-employed	1162	1074	1326	1215	1049

How Constructed

RwSLFEMP is derived from the question: "Do you work for someone else, are you self-employed, or what?" regarding the current main job. The possible responses are someone else or self-employed. According to the HRS documentation, Respondents who said they ran their own businesses were recoded to self-employed. RwSLFEMP simply recodes this variable to a yes/no indicator and for missing values. If this question was skipped because the Respondent isn't working for pay, RwSLFEMP is set to SAS special missing value (.W).

There are some cases where RwWORK indicates that the Respondent is not working, but that have a value for whether the Respondent is self-employed. If a valid value is available for the self-employment question, it is used. In particular, from Wave 3H forward, this question is asked of Respondents who reported being temporarily laid off, or on sick or other leave who also said they intend to return to the same job, even if they are not currently working for pay. Respondents in this situation may have a value for RwSLFEMP.

In Wave 1 the source variable for RwSLFEMP is imputed in the HRS data. The imputation is not used, if imputed RwSLFEMP is set to missing.

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwSLFEMP.

Cross Wave Differences in Original HRS Data

The core of the question about whether working for a firm or oneself is the same across waves. The question asks:

"Do you work for someone else, are you self-employed, or what?"

In Waves 1, 2 and 3A, it is only asked of Respondents who are currently working for pay and is prefaced by:

"Next are some questions about your current, main job."

In Wave 3H and from Wave 4 forward, if the Respondent is currently working for pay, the question is prefaced by:

"On your current (main) job, ..."

For these waves, it is also asked of Respondents who report being temporarily laid off or on leave, if they also say they expect to go back to this job, in which case the question is prefaced by:

"On the job you plan to go back to, ..."

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1178           G2. CURRENTLY SELF EMPLOYED
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 2002:
    HJ020           WORKING FOR PAY
    HJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
HRS 2004:
    JJ020           WORKING FOR PAY
    JJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
HRS 2006:
    KJ020           WORKING FOR PAY
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    KJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
HRS 2008:
    LJ020           WORKING FOR PAY
    LJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
HRS 2010:
    MJ020           WORKING FOR PAY
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
HRS 2012:
    NJ020           WORKING FOR PAY
    NJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
HRS 2014:
    OJ020           WORKING FOR PAY
    OJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
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Labor Force Status

Wave	Variable	Label	Type
1	R1LBRF	R1LBRF:W1 R Labor Force Status	Categ
2	R2LBRF	R2LBRF:W2 R Labor Force Status	Categ
3	R3LBRF	R3LBRF:W3 R Labor Force Status	Categ
4	R4LBRF	R4LBRF:W4 R Labor Force Status	Categ
5	R5LBRF	R5LBRF:W5 R Labor Force Status	Categ
6	R6LBRF	R6LBRF:W6 R Labor Force Status	Categ
7	R7LBRF	R7LBRF:W7 R Labor Force Status	Categ
8	R8LBRF	R8LBRF:W8 R Labor Force Status	Categ
9	R9LBRF	R9LBRF:W9 R Labor Force Status	Categ
10	R10LBRF	R10LBRF:W10 R Labor Force Status	Categ
11	R11LBRF	R11LBRF:W11 R Labor Force Status	Categ
12	R12LBRF	R12LBRF:W12 R Labor Force Status	Categ
1	S1LBRF	S1LBRF:W1 S Labor Force Status	Categ
2	S2LBRF	S2LBRF:W2 S Labor Force Status	Categ
3	S3LBRF	S3LBRF:W3 S Labor Force Status	Categ
4	S4LBRF	S4LBRF:W4 S Labor Force Status	Categ
5	S5LBRF	S5LBRF:W5 S Labor Force Status	Categ
6	S6LBRF	S6LBRF:W6 S Labor Force Status	Categ
7	S7LBRF	S7LBRF:W7 S Labor Force Status	Categ
8	S8LBRF	S8LBRF:W8 S Labor Force Status	Categ
9	S9LBRF	S9LBRF:W9 S Labor Force Status	Categ
10	S10LBRF	S10LBRF:W10 S Labor Force Status	Categ
11	S11LBRF	S11LBRF:W11 S Labor Force Status	Categ
12	S12LBRF	S12LBRF:W12 S Labor Force Status	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LBRF	12652	2.75	2.21	1.0	7.0
R2LBRF	16489	3.42	2.06	1.0	7.0
R3LBRF	17991	3.98	2.06	1.0	7.0
R4LBRF	21384	3.94	2.07	1.0	7.0
R5LBRF	19579	4.08	2.04	1.0	7.0
R6LBRF	18165	4.21	1.96	1.0	7.0
R7LBRF	20129	3.92	2.00	1.0	7.0
R8LBRF	18469	4.03	1.92	1.0	7.0
R9LBRF	17217	4.08	1.86	1.0	7.0
R10LBRF	22034	3.72	1.94	1.0	7.0
R11LBRF	20554	3.77	1.88	1.0	7.0
R12LBRF	18748	3.87	1.84	1.0	7.0
S1LBRF	9900	2.75	2.22	1.0	7.0
S2LBRF	11605	3.28	2.09	1.0	7.0
S3LBRF	11915	3.76	2.10	1.0	7.0
S4LBRF	13978	3.74	2.11	1.0	7.0
S5LBRF	12730	3.86	2.09	1.0	7.0
S6LBRF	11639	4.00	2.02	1.0	7.0
S7LBRF	12972	3.71	2.05	1.0	7.0
S8LBRF	11735	3.83	1.98	1.0	7.0
S9LBRF	10646	3.87	1.93	1.0	7.0
S10LBRF	13513	3.55	1.99	1.0	7.0
S11LBRF	12488	3.58	1.94	1.0	7.0
S12LBRF	11031	3.67	1.91	1.0	7.0

Categorical Variable Codes

Value	R1LBRF	R2LBRF	R3LBRF	R4LBRF	R5LBRF	R6LBRF	R7LBRF
.A=65+,presumed retired		2971					
.Q=Not asked,Lt65,not worke		46					
.T=Worked last 2 yr,now not		136					
1.Works FT	6630	5608	4688	5725	4721	3773	5182
2.Works PT	1288	1630	964	1164	1027	916	1119
3.Unemployed	408	323	233	239	207	246	313
4.Partly retired	452	584	1165	1509	1455	1373	1540
5.Retired	2027	6801	8178	9448	8849	8819	9451
6.Disabled	483	522	648	848	769	642	563
7.Not in LbrF	1364	1021	2115	2451	2551	2396	1961

Value	R8LBRF	R9LBRF	R10LBRF	R11LBRF	R12LBRF
1.Works FT	4222	3682	5977	5323	4473
2.Works PT	933	781	1384	1209	1032
3.Unemployed	215	238	899	661	416
4.Partly retired	1487	1415	1495	1434	1361
5.Retired	9480	9363	10388	10491	10308
6.Disabled	519	424	633	540	410
7.Not in LbrF	1613	1314	1258	896	748

Value	S1LBRF	S2LBRF	S3LBRF	S4LBRF	S5LBRF	S6LBRF	S7LBRF
.A=65+,presumed retired		1352					
.Q=Not asked,Lt65,not worke		45					
.T=Worked last 2 yr,now not		86					
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.Works FT	5194	4337	3563	4291	3577	2838	3858
2.Works PT	1020	1213	719	838	751	679	819
3.Unemployed	297	206	157	162	141	162	212
4.Partly retired	381	475	891	1108	1052	990	1086
5.Retired	1604	4288	4983	5615	5334	5285	5541
6.Disabled	263	268	307	414	360	310	271
7.Not in LbrF	1141	818	1295	1550	1515	1375	1185

Value	S8LBRF	S9LBRF	S10LBRF	S11LBRF	S12LBRF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Works FT	3134	2687	4163	3728	3109
2.Works PT	696	561	930	839	688
3.Unemployed	135	154	565	414	253
4.Partly retired	1043	996	1015	933	873
5.Retired	5525	5278	5700	5728	5421
6.Disabled	249	187	310	251	194
7.Not in LbrF	953	783	830	595	493

How Constructed

RwLBRF summarizes the labor force status for the Respondent at each wave as working full-time, working part-time, unemployed, partly retired, retired, disabled, or not in the labor force. SwLBRF summarizes the labor force status for the Respondent's spouse or partner.

The derivation uses many different questions that are available each wave. A Respondent can give evidence of working, being retired, and disability alone or in combination with other statuses. RwLBRF attempts to pull information from several sources, and sort through the discrepancies. Working and retirement take precedence in its derivation.

If the Respondent is working full-time, RwLBRF is set to this status. If he/she is working part-time and mentions retirement, RwLBRF is set to partly retired. If there is no mention of retirement, RwLBRF is set to working part-time.

If the Respondent is not working but is looking for a job, RwLBRF is set to unemployed. If the Respondent is not looking for a job and there is any mention of retirement, RwLBRF is set to retired. If retirement is not mentioned and a disabled employment status is given, RwLBRF is set to disabled. Otherwise, RwLBRF is set to "not in the labor force."

Working 35+ hours per week, 36+ weeks per year is considered full-time. Less than this is considered part-time. The hours and weeks from both the main and second job are considered in determining whether the Respondent is working full-time or part-time. In Wave 2A, there are no questions about a second job, so for the AHEAD Respondents, the hours and weeks from the main job only are considered.

A mention of retirement can be made either through the employment status or the questions that ask the Respondent whether he/she considers himself retired. Please see descriptions of RwSAYRET and RwRETEMP in the Retirement Plans and Expectations section.

Specific questions ask about whether the Respondent is looking for a full-time or part-time job.

In Wave 2A, there are neither questions about employment status nor the questions that ask the Respondent whether he/she considers himself retired, nor are there questions that ask about whether the Respondent is looking for a full-time or part-time job. So for the AHEAD Respondents, it is only possible to assign working full-time and working part-time codes in R2LBRF based on information from Wave 2A. To assign other codes for unemployed, retired and disabled, the information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, retired or disabled, the date of unemployment, retirement or disability is compared with interview date. If the interview date is after the date of unemployment, retirement or disability, R2LBRF is set to the appropriate status.

If no information from a subsequent wave is used, then additional codes are assigned for AHEAD Respondents for R2LBRF. If the Respondent is not working now, but has worked in the last two years, a SAS special missing code of .T is assigned.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, the SAS missing code .A is assigned. The analyst may want to assume these cases are retired. If the Respondent is not working now, and has not worked in the prior two years, and is not over 65 years old the code .Q is assigned, as the employment status was not asked.

There are some cases where the unemployment variable (RwUNEMP) does not match the Labor force variable (RwLBRF). This is due to slight coding differences. The Respondent must say they are looking for work to be considered to be unemployed in RwLBRF. It is not enough to mention being unemployed in the employment status variables. Whereas, a mention of being unemployed in the employment status variables will result in RwUNEMP being set to 1.Yes.

SwLBRF is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwLBRF.

Cross Wave Differences in Original HRS Data

Labor force status uses many pieces of employment data: whether working for pay, employment status, whether considers one's self retired, usual hours worked per week, usual weeks worked per year, second job, hours per week and weeks per year on second job, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available. For more details please see RwWORK and RwWORK2 under "Currently working for pay" and RwJHOURS and RwJHOUR2 under "Hours worked per week" in this section (Employment), and RwSAYRET under "Considers self retired," and RwRETEMP under "Retired Employment Status" in the Retirement Plans and Expectations Section.

The questions about usual hours and weeks worked per year are asked of working Respondents each wave. In all but Wave 2A these questions are asked about the second job, if any. In Wave 2A these questions are asked about the main job only.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2701           F1A:WORKING
    V2702           F1B:UNEMP-LOOKING FR WRK
    V2703           F1C:SICK/OTHER LEAVE
    V2704           F1D:DISABLED
    V2705           F1E:RETIRED
    V2706           F1F:HOMEMAKER
    V2707           F1G:OTHER
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2722           F8:WRK HRS/WK:THIS JOB
    V2726           F10:WKS/YR WORKING
    V2822           F28:S-E:WRK HRS/WK
    V2823           F29:S-E:WRKING WKS /YR
    V3327           F86:DNG ANY OTR WRK :IMP
    V3332           F87:HRS/WK WRK OTHR JOB
    V3333           F88:WKS/YR WRK OTHR JOB
    V3530           G39:LKING JB LAST 4 WKS
    V3531           G40:LKING PART/FULL TIME
    V3549           G44:CURR WANT JOB
    V3550           G44A:PREFR FULL/PRT TIME
    V4901           K1:RETRD:PART,ALL,OR:IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1186           G6. CURR WORK: # HOURS PER WEEK
    B1187           G6A. CURR WORK: # WEEKS PER YEAR
HRS 1994:
    W3300           FA1.CURRENT JOB STATUS
    W3301           FA1.CURRENT JOB STATUS
    W3302           FA1.CURRENT JOB STATUS
    W3316           FA2.WORKING FOR PAY
    W3617           FA44.HOURS WORK PER WEEK
    W3623           FA47.NUMBER WEEKS PER YE
    W3956           FA117.ANY OTHER PAID WOR
    W3961           FA118.HOURS/WEEK ON 2ND
    W3962           FA119.WEEKS/YEAR ON 2ND
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    W3983           FA123.CONSIDER SELF RETI
    W4313           FB17.HOURS WORK PER WEEK
    W4314           FB18.WEEKS WORK PER YEAR
    W4611           FB77.ANY OTHER PAID WORK
    W4616           FB78.HOURS/WEEK SECOND J
    W4617           FB79.WEEKS/YEAR SECOND J
    W4638           FB83.RETIREMENT
    W5002           FC28.DOING TO FIND WORK
    W5003           FC29.LOOKING FULL/PART T
    W5017           FC33.WANT JOB CURRENTLY
    W5018           FC33a.WANT FULL/PART TIM
    W5022           FC41.RETIREMENT
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2652           GA2A.RETIRED WORK ANY SINCE W1
    D2836           GA44. HOURS/WEEK WORKED
    D2846           GA47. WEEKS/YEAR WORKED
    D3110           GA117. ANY OTHER PAID WORK
    D3112           GA118. HOURS/WEEK SECOND JOBS
    D3113           GA119. WEEKS/YEAR SECOND JOBS
    D3130           GA123.RETIREMENT
    D3256           GB17. HOURS/WEEK WORKED
    D3257           GB18. WEEKS/YEAR WORKED
    D3489           GB83.RETIREMENT
    D3696           GC28.FIND WORK
    D3697           GC29.LOOK FOR PART TIME OR FULL TIME
    D3705           GC33.CURRENTLY WANT JOB
    D3706           GC33A.PREFER PART TIME OR FULL TIME
    D3711           GC41.RETIREMENT
    D3728           GC47. WORK AFTER/BEFORE
HRS 1996:
    E2611M1         G1.CURRENT JOB STATUS
    E2611M2         G1.CURRENT JOB STATUS
    E2611M3         G1.CURRENT JOB STATUS
    E2627           G2.WORKING FOR PAY
    E2736           G44.HOURS WORK PER WEEK
    E2746           G47.WEEKS PER YEAR USUALLY WORK
    E2984           G115.DOING TO FIND WORK
    E2985           G116.LOOKING FULL/PART-TIME WORK
    E2993           G119.WANT JOB CURRENTLY
    E2994           G119A.WANT FULL/PART-TIME WORK?
    E3019           G128.ANY OTHER PAID WORK
    E3021           G129.HOURS/WEEK ON 2ND JOB
    E3022           G130.WEEKS/YEAR ON 2ND JOB
    E3039           G134.CONSIDER SELF RETIRED
HRS 1998:
    F3115M1         G1.CURRENT JOB STATUS
    F3115M2         G1.CURRENT JOB STATUS
    F3115M3         G1.CURRENT JOB STATUS
    F3131           G2.WORKING FOR PAY
    F3259           G44.HOURS WORK PER WEEK
    F3269           G47.WEEKS PER YEAR USUALLY WORK
    F3513           G115.DOING TO FIND WORK
    F3514           G116.LOOKING FULL/PART-TIME WORK
    F3522           G119.WANT JOB CURRENTLY
    F3523           G119A.WANT FULL/PART-TIME WORK?
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    F3549           G128.ANY OTHER PAID WORK
    F3551           G129.HOURS/WEEK ON 2ND JOB
    F3552           G130.WEEKS/YEAR ON 2ND JOB
    F3570           G134.CONSIDER SELF RETIRED
HRS 2000:
    G3365M1         G1.CURRENT JOB STATUS
    G3365M2         G1.CURRENT JOB STATUS
    G3365M3         G1.CURRENT JOB STATUS
    G3381           G2.WORKING FOR PAY
    G3509           G44.HOURS WORK PER WEEK
    G3519           G47.WEEKS PER YEAR USUALLY WORK
    G3800           G115.DOING TO FIND WORK
    G3801           G116.LOOKING FULL/PART-TIME WORK
    G3809           G119.WANT JOB CURRENTLY
    G3810           G119A.WANT FULL/PART-TIME WORK?
    G3838           G128.ANY OTHER PAID WORK
    G3840           G129.HOURS/WEEK ON 2ND JOB
    G3841           G130.WEEKS/YEAR ON 2ND JOB
    G3859           G134.CONSIDER SELF RETIRED
HRS 2002:
    HJ005M1         CURRENT JOB STATUS- 1
    HJ005M2         CURRENT JOB STATUS- 2
    HJ005M3         CURRENT JOB STATUS- 3
    HJ020           WORKING FOR PAY
    HJ172           HRS WORK PER WEEK
    HJ179           WKS PR YR USUALLY WORK
    HJ517           DOING WHAT TO FIND WORK- NOT WORKING
    HJ518           LOOKING FULL/PART-TIME WORK- NOT WORKING
    HJ527           WANT JOB CURRENTLY
    HJ528           WANT FULL/PART-TIME WORK- NOT WORKING
    HJ553           ANY OTR PAID WORK
    HJ556           HRS/WK ON 2ND JOB
    HJ557           WKS/YR ON 2ND JOB
    HJ578           CONSIDER SELF RETIRED
HRS 2004:
    JJ005M1         CURRENT JOB STATUS- 1
    JJ005M2         CURRENT JOB STATUS- 2
    JJ005M3         CURRENT JOB STATUS- 3
    JJ020           WORKING FOR PAY
    JJ172           HRS WORK PER WEEK
    JJ179           WKS PR YR USUALLY WORK
    JJ517           DOING WHAT TO FIND WORK- NOT WORKING
    JJ518           LOOKING FULL/PART-TIME WORK- NOT WORKING
    JJ527           WANT JOB CURRENTLY
    JJ528           WANT FULL/PART-TIME WORK- NOT WORKING
    JJ553           ANY OTR PAID WORK
    JJ556           HRS/WK ON 2ND JOB
    JJ557           WKS/YR ON 2ND JOB
    JJ578           CONSIDER SELF RETIRED
HRS 2006:
    KJ005M1         CURRENT JOB STATUS- 1
    KJ005M2         CURRENT JOB STATUS- 2
    KJ005M3         CURRENT JOB STATUS- 3
    KJ020           WORKING FOR PAY
    KJ172           HRS WORK PER WEEK
    KJ179           WKS PR YR USUALLY WORK
    KJ517           DOING WHAT TO FIND WORK- NOT WORKING
    KJ518           LOOKING FULL/PART-TIME WORK- NOT WORKING
    KJ527           WANT JOB CURRENTLY
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    KJ528           WANT FULL/PART-TIME WORK- NOT WORKING
    KJ553           ANY OTR PAID WORK
    KJ556           HRS/WK ON 2ND JOB
    KJ557           WKS/YR ON 2ND JOB
    KJ578           CONSIDER SELF RETIRED
HRS 2008:
    LJ005M1         CURRENT JOB STATUS- 1
    LJ005M2         CURRENT JOB STATUS- 2
    LJ005M3         CURRENT JOB STATUS- 3
    LJ020           WORKING FOR PAY
    LJ172           HRS WORK PER WEEK
    LJ179           WKS PR YR USUALLY WORK
    LJ517           DOING WHAT TO FIND WORK- NOT WORKING
    LJ518           LOOKING FULL/PART-TIME WORK- NOT WORKING
    LJ527           WANT JOB CURRENTLY
    LJ528           WANT FULL/PART-TIME WORK- NOT WORKING
    LJ553           ANY OTR PAID WORK
    LJ556           HRS/WK ON 2ND JOB
    LJ557           WKS/YR ON 2ND JOB
    LJ578           CONSIDER SELF RETIRED
HRS 2010:
    MJ005M1         CURRENT JOB STATUS- 1
    MJ005M2         CURRENT JOB STATUS- 2
    MJ005M3         CURRENT JOB STATUS- 3
    MJ020           WORKING FOR PAY
    MJ172           HRS WORK PER WEEK
    MJ179           WKS PR YR USUALLY WORK
    MJ517           DOING WHAT TO FIND WORK- NOT WORKING
    MJ518           LOOKING FULL/PART-TIME WORK- NOT WORKING
    MJ527           WANT JOB CURRENTLY
    MJ528           WANT FULL/PART-TIME WORK- NOT WORKING
    MJ553           ANY OTR PAID WORK
    MJ556           HRS/WK ON 2ND JOB
    MJ557           WKS/YR ON 2ND JOB
    MJ578           CONSIDER SELF RETIRED
HRS 2012:
    NJ005M1         CURRENT JOB STATUS- 1
    NJ005M2         CURRENT JOB STATUS- 2
    NJ005M3         CURRENT JOB STATUS- 3
    NJ020           WORKING FOR PAY
    NJ172           HRS WORK PER WEEK
    NJ179           WKS PR YR USUALLY WORK
    NJ517           DOING WHAT TO FIND WORK- NOT WORKING
    NJ518           LOOKING FULL/PART-TIME WORK- NOT WORKING
    NJ527           WANT JOB CURRENTLY
    NJ528           WANT FULL/PART-TIME WORK- NOT WORKING
    NJ553           ANY OTR PAID WORK
    NJ556           HRS/WK ON 2ND JOB
    NJ557           WKS/YR ON 2ND JOB
    NJ578           CONSIDER SELF RETIRED
HRS 2014:
    OJ005M1         CURRENT JOB STATUS- 1
    OJ005M2         CURRENT JOB STATUS- 2
    OJ005M3         CURRENT JOB STATUS- 3
    OJ020           WORKING FOR PAY
    OJ172           HRS WORK PER WEEK
    OJ179           WKS PR YR USUALLY WORK
    OJ517           DOING WHAT TO FIND WORK- NOT WORKING
    OJ518           LOOKING FULL/PART-TIME WORK- NOT WORKING
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OJ527	WANT JOB CURRENTLY
OJ528	WANT FULL/PART-TIME WORK- NOT WORKING
OJ553	ANY OTR PAID WORK
OJ556	HRS/WK ON 2ND JOB
OJ557	WKS/YR ON 2ND JOB
OJ578	CONSIDER SELF RETIRED

In the labor force

Wave	Variable	Label	Type
1	R1INLBRF	R1INLBRF:W1 =1 if R is in the labor force	Categ
2	R2INLBRF	R2INLBRF:W2 =1 if R is in the labor force	Categ
3	R3INLBRF	R3INLBRF:W3 =1 if R is in the labor force	Categ
4	R4INLBRF	R4INLBRF:W4 =1 if R is in the labor force	Categ
5	R5INLBRF	R5INLBRF:W5 =1 if R is in the labor force	Categ
6	R6INLBRF	R6INLBRF:W6 =1 if R is in the labor force	Categ
7	R7INLBRF	R7INLBRF:W7 =1 if R is in the labor force	Categ
8	R8INLBRF	R8INLBRF:W8 =1 if R is in the labor force	Categ
9	R9INLBRF	R9INLBRF:W9 =1 if R is in the labor force	Categ
10	R10INLBRF	R10INLBRF:W10 =1 if R is in the labor force	Categ
11	R11INLBRF	R11INLBRF:W11 =1 if R is in the labor force	Categ
12	R12INLBRF	R12INLBRF:W12 =1 if R is in the labor force	Categ
1	S1INLBRF	S1INLBRF:W1 =1 if S is in the labor force	Categ
2	S2INLBRF	S2INLBRF:W2 =1 if S is in the labor force	Categ
3	S3INLBRF	S3INLBRF:W3 =1 if S is in the labor force	Categ
4	S4INLBRF	S4INLBRF:W4 =1 if S is in the labor force	Categ
5	S5INLBRF	S5INLBRF:W5 =1 if S is in the labor force	Categ
6	S6INLBRF	S6INLBRF:W6 =1 if S is in the labor force	Categ
7	S7INLBRF	S7INLBRF:W7 =1 if S is in the labor force	Categ
8	S8INLBRF	S8INLBRF:W8 =1 if S is in the labor force	Categ
9	S9INLBRF	S9INLBRF:W9 =1 if S is in the labor force	Categ
10	S10INLBRF	S10INLBRF:W10 =1 if S is in the labor force	Categ
11	S11INLBRF	S11INLBRF:W11 =1 if S is in the labor force	Categ
12	S12INLBRF	S12INLBRF:W12 =1 if S is in the labor force	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1INLBRF	12637	0.70	0.46	0.0	1.0
R2INLBRF	16443	0.50	0.50	0.0	1.0
R3INLBRF	17638	0.40	0.49	0.0	1.0
R4INLBRF	20919	0.41	0.49	0.0	1.0
R5INLBRF	19092	0.39	0.49	0.0	1.0
R6INLBRF	17683	0.36	0.48	0.0	1.0
R7INLBRF	19653	0.41	0.49	0.0	1.0
R8INLBRF	18019	0.38	0.49	0.0	1.0
R9INLBRF	16756	0.36	0.48	0.0	1.0
R10INLBRF	21366	0.46	0.50	0.0	1.0
R11INLBRF	20021	0.43	0.50	0.0	1.0
R12INLBRF	18260	0.40	0.49	0.0	1.0
S1INLBRF	9895	0.70	0.46	0.0	1.0
S2INLBRF	11572	0.54	0.50	0.0	1.0
S3INLBRF	11817	0.45	0.50	0.0	1.0
S4INLBRF	13882	0.46	0.50	0.0	1.0
S5INLBRF	12628	0.44	0.50	0.0	1.0
S6INLBRF	11548	0.40	0.49	0.0	1.0
S7INLBRF	12889	0.46	0.50	0.0	1.0
S8INLBRF	11651	0.43	0.50	0.0	1.0
S9INLBRF	10562	0.42	0.49	0.0	1.0
S10INLBRF	13291	0.50	0.50	0.0	1.0
S11INLBRF	12376	0.48	0.50	0.0	1.0
S12INLBRF	10937	0.45	0.50	0.0	1.0

Categorical Variable Codes

Value	R1INLBRF	R2INLBRF	R3INLBRF	R4INLBRF	R5INLBRF	R6INLBRF	R7INLBRF
.A=65+ presumed retired		2991					
.D=DK		2	6			1	2
.I=Institutionalized		8	298	429	457	460	460
.M=Oth missing	15	25	47	30	26	15	11
.Q=Not asked,Lt65,not worki		51					
.R=RF		4	2	6	4	6	3
.T=Not working now,worked l		118					
0.No	3854	8296	10590	12287	11685	11379	11501
1.Yes	8783	8147	7048	8632	7407	6304	8152

Value	R8INLBRF	R9INLBRF	R10INLBRF	R11INLBRF	R12INLBRF
.D=DK	2	2	2	6	10
.I=Institutionalized	438	441	469	478	443
.M=Oth missing	10	14	185	36	27
.R=RF		4	12	13	8
0.No	11161	10642	11611	11413	10988
1.Yes	6858	6114	9755	8608	7272

Value	S1INLBRF	S2INLBRF	S3INLBRF	S4INLBRF	S5INLBRF	S6INLBRF	S7INLBRF
.A=65+ presumed retired		1383					
.D=DK			1				
.I=Institutionalized		3	81	87	95	82	80
.M=Oth missing	5	5	16	8	7	6	1
.Q=Not asked,Lt65,not worki		50					
.R=RF		1		1		3	2
.T=Not working now,worked l		74					
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No	3002	5339	6489	7485	7107	6882	6914
1.Yes	6893	6233	5328	6397	5521	4666	5975

Value	S8INLBRF	S9INLBRF	S10INLBRF	S11INLBRF	S12INLBRF
.D=DK				3	2
.I=Institutionalized	83	76	108	97	82
.M=Oth missing	1	4	110	8	7
.R=RF		4	4	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No	6642	6165	6618	6473	6022
1.Yes	5009	4397	6673	5903	4915

How Constructed

RwINLBRF is an indicator for whether the Respondent is considered part of the labor force as defined by the Bureau of Labor Statistics (BLS). Briefly, this definition considers those who are working for pay, or those who are not working but actively seeking work as part of the labor force.

SwINLBRF is an indicator for whether the Respondent's spouse is considered part of the labor force.

The derivation uses questions about current work status, work for pay, and activities related to job seeking. Institutionalized Respondents (i.e. those in a nursing home) are not included in the derivation.

If the Respondent is working for pay, RwINLBRF is set to "in the labor force." If the Respondent is not working for pay, but reports actively looking for a job in the last four weeks, RwINLBRF is set to "in the labor force." If the Respondent

is neither working for pay nor looking for work and reports being retired, disabled, or a homemaker as their current job status, RwINLBRF is set to "not in the labor force."

In Wave 2A, there are neither questions about employment status nor questions that ask the Respondent whether he/she considers himself retired, neither are there questions that ask about whether the Respondent is looking for work. So for the AHEAD Respondents, it is only possible to determine whether the Respondent was working for pay or not. If the Respondent is not working for pay, it cannot be determined if the person is looking for work based on information from Wave 2A. To further determine labor force status, the unemployment, retirement and disability status information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, retired or disabled, the date of unemployment, retirement or disability is compared with interview date. If the interview date is after the date of unemployment, retirement or disability, R2INLBRF is set to the appropriate status.

If no information from subsequent waves is used, then additional codes are assigned for the AHEAD Respondents for R2INLBRF. If the Respondent is not working now, but has worked in the last two years, a SAS special missing code of .T is assigned.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, the SAS missing code .A is assigned. The analyst may want to assume these cases are retired. If the Respondent is not working now, has not worked in the prior two years, and is not over 65 years old the code .Q is assigned, as the employment status was not asked.

SwINLBRF is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwINLBRF.

Cross Wave Differences in Original HRS Data

Labor force status uses several pieces of employment data: whether working for pay, current job status, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available.

The question about current job status is asked in all waves except Wave 2A.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2701           F1A:WORKING
    V2702           F1B:UNEMP-LOOKING FR WRK
    V2703           F1C:SICK/OTHER LEAVE
    V2704           F1D:DISABLED
```

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    V2705           F1E:RETIRED
    V2706           F1F:HOMEMAKER
    V2707           F1G:OTHER
    V2717           F2:ANY WRK FOR PAY  :IMP
    V3530           G39:LKING JB LAST 4 WKS
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    BIWYEAR         1993 INTERVIEW YEAR
HRS 1994:
    W3300           FA1.CURRENT JOB STATUS
    W3301           FA1.CURRENT JOB STATUS
    W3302           FA1.CURRENT JOB STATUS
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2638           GA1F. MONTH DISABLED
    D2639           GA1G. YEAR DISABLED
    D2651           GA2.WORKING ANY CURRENT
    D3696           GC28.FIND WORK
HRS 1996:
    E2611M1         G1.CURRENT JOB STATUS
    E2611M2         G1.CURRENT JOB STATUS
    E2611M3         G1.CURRENT JOB STATUS
    E2627           G2.WORKING FOR PAY
    E2984           G115.DOING TO FIND WORK
HRS 1998:
    F3115M1         G1.CURRENT JOB STATUS
    F3115M2         G1.CURRENT JOB STATUS
    F3115M3         G1.CURRENT JOB STATUS
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3131           G2.WORKING FOR PAY
    F3513           G115.DOING TO FIND WORK
HRS 2000:
    G3365M1         G1.CURRENT JOB STATUS
    G3365M2         G1.CURRENT JOB STATUS
    G3365M3         G1.CURRENT JOB STATUS
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3381           G2.WORKING FOR PAY
    G3800           G115.DOING TO FIND WORK
HRS 2002:
    HJ005M1         CURRENT JOB STATUS- 1
    HJ005M2         CURRENT JOB STATUS- 2
    HJ005M3         CURRENT JOB STATUS- 3
    HJ007           MO UNEMPLOYED
    HJ008           YR UNEMPLOYED
    HJ014           DISABLED-MO
    HJ015           DISABLED- YR
    HJ020           WORKING FOR PAY
    HJ517           DOING WHAT TO FIND WORK- NOT WORKING
```

```
HRS 2004:
    JJ005M1         CURRENT JOB STATUS- 1
    JJ005M2         CURRENT JOB STATUS- 2
    JJ005M3         CURRENT JOB STATUS- 3
    JJ007           MO UNEMPLOYED
    JJ008           YR UNEMPLOYED
    JJ014           DISABLED-MO
    JJ015           DISABLED- YR
    JJ020           WORKING FOR PAY
    JJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2006:
    KJ005M1         CURRENT JOB STATUS- 1
    KJ005M2         CURRENT JOB STATUS- 2
    KJ005M3         CURRENT JOB STATUS- 3
    KJ007           MO UNEMPLOYED
    KJ008           YR UNEMPLOYED
    KJ014           DISABLED-MO
    KJ015           DISABLED- YR
    KJ020           WORKING FOR PAY
    KJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2008:
    LJ005M1         CURRENT JOB STATUS- 1
    LJ005M2         CURRENT JOB STATUS- 2
    LJ005M3         CURRENT JOB STATUS- 3
    LJ007           MO UNEMPLOYED
    LJ008           YR UNEMPLOYED
    LJ014           DISABLED-MO
    LJ015           DISABLED- YR
    LJ020           WORKING FOR PAY
    LJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2010:
    MJ005M1         CURRENT JOB STATUS- 1
    MJ005M2         CURRENT JOB STATUS- 2
    MJ005M3         CURRENT JOB STATUS- 3
    MJ007           MO UNEMPLOYED
    MJ008           YR UNEMPLOYED
    MJ014           DISABLED-MO
    MJ015           DISABLED- YR
    MJ020           WORKING FOR PAY
    MJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2012:
    NJ005M1         CURRENT JOB STATUS- 1
    NJ005M2         CURRENT JOB STATUS- 2
    NJ005M3         CURRENT JOB STATUS- 3
    NJ007           MO UNEMPLOYED
    NJ008           YR UNEMPLOYED
    NJ014           DISABLED-MO
    NJ015           DISABLED- YR
    NJ020           WORKING FOR PAY
    NJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2014:
    OJ005M1         CURRENT JOB STATUS- 1
    OJ005M2         CURRENT JOB STATUS- 2
    OJ005M3         CURRENT JOB STATUS- 3
    OJ007           MO UNEMPLOYED
    OJ008           YR UNEMPLOYED
    OJ014           DISABLED-MO
    OJ015           DISABLED- YR
    OJ020           WORKING FOR PAY
```

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    OJ517           DOING WHAT TO FIND WORK- NOT WORKING
Tracker:
    ANURSHM         1992 NURSING HOME STATUS
    BNURSHM         1993 NURSING HOME STATUS
    CNURSHM         1994 NURSING HOME STATUS
    DNURSHM         1995 NURSING HOME STATUS
    ENURSHM         1996 NURSING HOME STATUS
    FNURSHM         1998 NURSING HOME STATUS
    GNURSHM         2000 NURSING HOME STATUS
    HNURSHM         2002 NURSING HOME STATUS
    JNURSHM         2004 NURSING HOME STATUS
    KNURSHM         2006 NURSING HOME STATUS
    LNURSHM         2008 NURSING HOME STATUS
    MNURSHM         2010 NURSING HOME STATUS
    NNURSHM         2012 NURSING HOME STATUS
    ONURSHM         2014 NURSING HOME STATUS
```

Retired Employment Status

Wave	Variable	Label	Type
1	R1RETEMP	R1RETEMP:W1 R GIVES RETIRED IN EMPSTAT	Categ
2	R2RETEMP	R2RETEMP:W2 R GIVES RETIRED IN EMPSTAT	Categ
3	R3RETEMP	R3RETEMP:W3 R GIVES RETIRED IN EMPSTAT	Categ
4	R4RETEMP	R4RETEMP:W4 R GIVES RETIRED IN EMPSTAT	Categ
5	R5RETEMP	R5RETEMP:W5 R GIVES RETIRED IN EMPSTAT	Categ
6	R6RETEMP	R6RETEMP:W6 R GIVES RETIRED IN EMPSTAT	Categ
7	R7RETEMP	R7RETEMP:W7 R GIVES RETIRED IN EMPSTAT	Categ
8	R8RETEMP	R8RETEMP:W8 R GIVES RETIRED IN EMPSTAT	Categ
9	R9RETEMP	R9RETEMP:W9 R GIVES RETIRED IN EMPSTAT	Categ
10	R10RETEMP	R10RETEMP:W10 R GIVES RETIRED IN EMPSTAT	Categ
11	R11RETEMP	R11RETEMP:W11 R GIVES RETIRED IN EMPSTAT	Categ
12	R12RETEMP	R12RETEMP:W12 R GIVES RETIRED IN EMPSTAT	Categ
1	S1RETEMP	S1RETEMP:W1 S GIVES RETIRED IN EMPSTAT	Categ
2	S2RETEMP	S2RETEMP:W2 S GIVES RETIRED IN EMPSTAT	Categ
3	S3RETEMP	S3RETEMP:W3 S GIVES RETIRED IN EMPSTAT	Categ
4	S4RETEMP	S4RETEMP:W4 S GIVES RETIRED IN EMPSTAT	Categ
5	S5RETEMP	S5RETEMP:W5 S GIVES RETIRED IN EMPSTAT	Categ
6	S6RETEMP	S6RETEMP:W6 S GIVES RETIRED IN EMPSTAT	Categ
7	S7RETEMP	S7RETEMP:W7 S GIVES RETIRED IN EMPSTAT	Categ
8	S8RETEMP	S8RETEMP:W8 S GIVES RETIRED IN EMPSTAT	Categ
9	S9RETEMP	S9RETEMP:W9 S GIVES RETIRED IN EMPSTAT	Categ
10	S10RETEMP	S10RETEMP:W10 S GIVES RETIRED IN EMPSTAT	Categ
11	S11RETEMP	S11RETEMP:W11 S GIVES RETIRED IN EMPSTAT	Categ
12	S12RETEMP	S12RETEMP:W12 S GIVES RETIRED IN EMPSTAT	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETEMP	12612	0.16	0.44	0.0	2.0
R2RETEMP	11402	0.22	0.50	0.0	2.0
R3RETEMP	17927	0.53	0.64	0.0	2.0
R4RETEMP	21329	0.53	0.64	0.0	2.0
R5RETEMP	19545	0.54	0.64	0.0	2.0
R6RETEMP	18141	0.56	0.61	0.0	2.0
R7RETEMP	20109	0.50	0.60	0.0	2.0
R8RETEMP	18452	0.56	0.61	0.0	2.0
R9RETEMP	17192	0.60	0.62	0.0	2.0
R10RETEMP	21830	0.49	0.62	0.0	2.0
R11RETEMP	20492	0.52	0.63	0.0	2.0
R12RETEMP	18692	0.55	0.63	0.0	2.0
S1RETEMP	9876	0.17	0.46	0.0	2.0
S2RETEMP	8734	0.24	0.52	0.0	2.0
S3RETEMP	11895	0.50	0.64	0.0	2.0
S4RETEMP	13965	0.50	0.64	0.0	2.0
S5RETEMP	12723	0.51	0.64	0.0	2.0
S6RETEMP	11628	0.54	0.62	0.0	2.0
S7RETEMP	12967	0.48	0.60	0.0	2.0
S8RETEMP	11731	0.53	0.62	0.0	2.0
S9RETEMP	10636	0.57	0.62	0.0	2.0
S10RETEMP	13398	0.47	0.62	0.0	2.0
S11RETEMP	12470	0.49	0.62	0.0	2.0
S12RETEMP	11015	0.52	0.62	0.0	2.0

Categorical Variable Codes

Value	R1RETEMP	R2RETEMP	R3RETEMP	R4RETEMP	R5RETEMP	R6RETEMP	R7RETEMP
.M=Oth missing	40	18	64	55	34	24	20
.Q=Not asked this wv		8222					
0.No retire empstat	11032	9309	9842	11769	10572	9208	11070
1.Only retire empstat	1177	1636	6632	7848	7452	7771	7934
2.Retire plus other empstat	403	457	1453	1712	1521	1162	1105

Value	R8RETEMP	R9RETEMP	R10RETEMP	R11RETEMP	R12RETEMP
.M=Oth missing	17	25	204	62	56
0.No retire empstat	9408	8116	12620	11277	9761
1.Only retire empstat	7833	7825	7758	7759	7592
2.Retire plus other empstat	1211	1251	1452	1456	1339

Value	S1RETEMP	S2RETEMP	S3RETEMP	S4RETEMP	S5RETEMP	S6RETEMP	S7RETEMP
.M=Oth missing	24	5	20	13	7	11	5
.Q=Not asked this wv		4549					
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
0.No retire empstat	8515	7006	6865	8145	7170	6123	7474
1.Only retire empstat	1009	1360	4058	4701	4576	4750	4764
2.Retire plus other empstat	352	368	972	1119	977	755	729

Value	S8RETEMP	S9RETEMP	S10RETEMP	S11RETEMP	S12RETEMP
.M=Oth missing	4	10	115	18	16
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No retire empstat	6301	5331	8032	7190	6087
1.Only retire empstat	4666	4543	4480	4413	4157
2.Retire plus other empstat	764	762	886	867	771

How Constructed

There are at least 2 places in every wave where the Respondent could report being retired. See also "Whether retired, Consider self retired" (RwSAYRET).

RwRETEMP is derived from employment status. The Respondent can report a retired status alone or in addition to other statuses, such as working, disabled, or unemployed. RwRETEMP is set to 1 if the Respondent only reports a retired status, or 2 if the Respondent reports being retired in addition to another status. It is set to 0 if no retirement status is reported at all. In Wave 2H, if the interview is a proxy for a deceased Respondent, it is set to SAS special missing code .S to indicate that the question was skipped. In Wave 2A, the question is not asked at all.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwRETEMP.

In Wave 2A, employment status is not asked, for AHEAD Respondents R2RETEMP is set to SAS special missing code .Q to indicate that the information is not available.

See also Labor Force Status (RwLBRF and SwLBRF).

Cross Wave Differences in Original HRS Data

In Wave 2H, employment status is not asked if the Respondent is deceased. Only Wave 2H includes proxy interviews for deceased Respondents. In Wave 2A, this question is not asked at all.

HRS Variables Used

```
HRS 1992:
    V2701           F1A:WORKING
    V2702           F1B:UNEMP-LOOKING FR WRK
    V2703           F1C:SICK/OTHER LEAVE
    V2704           F1D:DISABLED
    V2705           F1E:RETIRED
    V2706           F1F:HOMEMAKER
    V2707           F1G:OTHER
HRS 1994:
    W117            ICS5a. Reason for Proxy
    W3300           FA1.CURRENT JOB STATUS
    W3301           FA1.CURRENT JOB STATUS
    W3302           FA1.CURRENT JOB STATUS
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
HRS 1996:
    E2611M1         G1.CURRENT JOB STATUS
    E2611M2         G1.CURRENT JOB STATUS
    E2611M3         G1.CURRENT JOB STATUS
HRS 1998:
    F3115M1         G1.CURRENT JOB STATUS
    F3115M2         G1.CURRENT JOB STATUS
    F3115M3         G1.CURRENT JOB STATUS
HRS 2000:
    G3365M1         G1.CURRENT JOB STATUS
    G3365M2         G1.CURRENT JOB STATUS
    G3365M3         G1.CURRENT JOB STATUS
HRS 2002:
    HJ005M1         CURRENT JOB STATUS- 1
    HJ005M2         CURRENT JOB STATUS- 2
    HJ005M3         CURRENT JOB STATUS- 3
    HJ005M4         CURRENT JOB STATUS- 4
    HJ005M5         CURRENT JOB STATUS- 5
HRS 2004:
    JJ005M1         CURRENT JOB STATUS- 1
    JJ005M2         CURRENT JOB STATUS- 2
    JJ005M3         CURRENT JOB STATUS- 3
    JJ005M4         CURRENT JOB STATUS- 4
    JJ005M5         CURRENT JOB STATUS- 5
HRS 2006:
    KJ005M1         CURRENT JOB STATUS- 1
    KJ005M2         CURRENT JOB STATUS- 2
    KJ005M3         CURRENT JOB STATUS- 3
    KJ005M4         CURRENT JOB STATUS- 4
    KJ005M5         CURRENT JOB STATUS- 5
HRS 2008:
    LJ005M1         CURRENT JOB STATUS- 1
    LJ005M2         CURRENT JOB STATUS- 2
```

```
    LJ005M3         CURRENT JOB STATUS- 3
    LJ005M4         CURRENT JOB STATUS- 4
HRS 2010:
    MJ005M1         CURRENT JOB STATUS- 1
    MJ005M2         CURRENT JOB STATUS- 2
    MJ005M3         CURRENT JOB STATUS- 3
    MJ005M4         CURRENT JOB STATUS- 4
HRS 2012:
    NJ005M1         CURRENT JOB STATUS- 1
    NJ005M2         CURRENT JOB STATUS- 2
    NJ005M3         CURRENT JOB STATUS- 3
    NJ005M4         CURRENT JOB STATUS- 4
HRS 2014:
    OJ005M1         CURRENT JOB STATUS- 1
    OJ005M2         CURRENT JOB STATUS- 2
    OJ005M3         CURRENT JOB STATUS- 3
    OJ005M4         CURRENT JOB STATUS- 4
```

Unemployed

Wave	Variable	Label	Type
1	R1UNEMP	R1UNEMP:W1 =1 if R is unemployed	Categ
2	R2UNEMP	R2UNEMP:W2 =1 if R is unemployed	Categ
3	R3UNEMP	R3UNEMP:W3 =1 if R is unemployed	Categ
4	R4UNEMP	R4UNEMP:W4 =1 if R is unemployed	Categ
5	R5UNEMP	R5UNEMP:W5 =1 if R is unemployed	Categ
6	R6UNEMP	R6UNEMP:W6 =1 if R is unemployed	Categ
7	R7UNEMP	R7UNEMP:W7 =1 if R is unemployed	Categ
8	R8UNEMP	R8UNEMP:W8 =1 if R is unemployed	Categ
9	R9UNEMP	R9UNEMP:W9 =1 if R is unemployed	Categ
10	R10UNEMP	R10UNEMP:W10 =1 if R is unemployed	Categ
11	R11UNEMP	R11UNEMP:W11 =1 if R is unemployed	Categ
12	R12UNEMP	R12UNEMP:W12 =1 if R is unemployed	Categ
1	S1UNEMP	S1UNEMP:W1 =1 if S is unemployed	Categ
2	S2UNEMP	S2UNEMP:W2 =1 if S is unemployed	Categ
3	S3UNEMP	S3UNEMP:W3 =1 if S is unemployed	Categ
4	S4UNEMP	S4UNEMP:W4 =1 if S is unemployed	Categ
5	S5UNEMP	S5UNEMP:W5 =1 if S is unemployed	Categ
6	S6UNEMP	S6UNEMP:W6 =1 if S is unemployed	Categ
7	S7UNEMP	S7UNEMP:W7 =1 if S is unemployed	Categ
8	S8UNEMP	S8UNEMP:W8 =1 if S is unemployed	Categ
9	S9UNEMP	S9UNEMP:W9 =1 if S is unemployed	Categ
10	S10UNEMP	S10UNEMP:W10 =1 if S is unemployed	Categ
11	S11UNEMP	S11UNEMP:W11 =1 if S is unemployed	Categ
12	S12UNEMP	S12UNEMP:W12 =1 if S is unemployed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1UNEMP	8783	0.05	0.21	0.0	1.0
R2UNEMP	8147	0.04	0.20	0.0	1.0
R3UNEMP	7048	0.03	0.18	0.0	1.0
R4UNEMP	8632	0.03	0.16	0.0	1.0
R5UNEMP	7407	0.03	0.16	0.0	1.0
R6UNEMP	6304	0.04	0.19	0.0	1.0
R7UNEMP	8152	0.04	0.19	0.0	1.0
R8UNEMP	6858	0.03	0.18	0.0	1.0
R9UNEMP	6114	0.04	0.19	0.0	1.0
R10UNEMP	9755	0.09	0.29	0.0	1.0
R11UNEMP	8608	0.08	0.26	0.0	1.0
R12UNEMP	7272	0.06	0.23	0.0	1.0
S1UNEMP	6893	0.04	0.20	0.0	1.0
S2UNEMP	6233	0.03	0.18	0.0	1.0
S3UNEMP	5328	0.03	0.17	0.0	1.0
S4UNEMP	6397	0.03	0.16	0.0	1.0
S5UNEMP	5521	0.03	0.16	0.0	1.0
S6UNEMP	4666	0.03	0.18	0.0	1.0
S7UNEMP	5975	0.04	0.19	0.0	1.0
S8UNEMP	5009	0.03	0.16	0.0	1.0
S9UNEMP	4397	0.04	0.18	0.0	1.0
S10UNEMP	6673	0.08	0.28	0.0	1.0
S11UNEMP	5903	0.07	0.25	0.0	1.0
S12UNEMP	4915	0.05	0.22	0.0	1.0

Categorical Variable Codes

Value	R1UNEMP	R2UNEMP	R3UNEMP	R4UNEMP	R5UNEMP	R6UNEMP	R7UNEMP
.A=65+ presumed retired		2991					
.D=DK		2	6			1	2
.I=Institutionalized		8	298	429	457	460	460
.M=Oth missing	15	25	47	30	26	15	11
.Q=Not asked,Lt65,not worki		51					
.R=RF		4	2	6	4	6	3
.T=Not working now,worked l		118					
.X=NA/Not in labor force	3854	8296	10590	12287	11685	11379	11501
0.No	8370	7822	6815	8393	7201	6058	7839
1.Yes	413	325	233	239	206	246	313

Value	R8UNEMP	R9UNEMP	R10UNEMP	R11UNEMP	R12UNEMP
.D=DK	2	2	2	6	10
.I=Institutionalized	438	441	469	478	443
.M=Oth missing	10	14	185	36	27
.R=RF		4	12	13	8
.X=NA/Not in labor force	11161	10642	11611	11413	10988
0.No	6641	5877	8856	7957	6863
1.Yes	217	237	899	651	409

Value	S1UNEMP	S2UNEMP	S3UNEMP	S4UNEMP	S5UNEMP	S6UNEMP	S7UNEMP
.A=65+ presumed retired		1383					
.D=DK			1				
.I=Institutionalized		3	81	87	95	82	80
.M=Oth missing	5	5	16	8	7	6	1
.Q=Not asked,Lt65,not worki		50					
.R=RF		1		1		3	2
.T=Not working now,worked l		74					
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.X=NA/Not in labor force	3002	5339	6489	7485	7107	6882	6914
0.No	6595	6025	5171	6235	5380	4504	5763
1.Yes	298	208	157	162	141	162	212

Value	S8UNEMP	S9UNEMP	S10UNEMP	S11UNEMP	S12UNEMP
.D=DK				3	2
.I=Institutionalized	83	76	108	97	82
.M=Oth missing	1	4	110	8	7
.R=RF		4	4	4	3
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.X=NA/Not in labor force	6642	6165	6618	6473	6022
0.No	4872	4243	6108	5497	4668
1.Yes	137	154	565	406	247

How Constructed

RwUNEMP is an indicator for whether the Respondent is considered unemployed as defined by the Bureau of Labor Statistics (BLS). Briefly, this definition considers those who are not working but actively seeking work as unemployed. SwUNEMP is an indicator for whether the Respondent's spouse is considered unemployed.

The derivation uses questions about current work status, work for pay, and activities related to job seeking. Institutionalized Respondents (i.e. those in a nursing home) are not included in the derivation.

If the Respondent is working for pay, then RwUNEMP is set to employed.

If the Respondent is not working for pay and also reports actively looking for a job in the last four weeks, RwUNEMP is set to unemployed. If the Respondent is not working for pay but considered "not in the labor force" according to RwINLBRF, then the special missing code .X is assigned to RwUNEMP. See RwINLBRF is this section for more details.

In Wave 2A, there are neither questions about employment status nor are there questions that ask the Respondent whether he/she considers himself retired, nor do the questions ask about whether the Respondent is looking for work. So for the AHEAD Respondents, it is only possible to determine whether the Respondent was working for pay or not. If the Respondent is not working for pay, it cannot be determined if the person is looking for work based on information from Wave 2A. To further determine unemployment status for Wave 2A, unemployment status information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, the date of unemployment is compared with the interview date. If the interview date is after the date of unemployment, R2UNEMP is set to unemployed.

If no information from a subsequent wave is used, then additional codes are assigned for the AHEAD Respondents for R2UNEMP. If the Respondent is not working now, but has worked in the last two years, a SAS special missing code of .T is assigned.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, the SAS missing code .A is assigned. The analyst may want to assume these cases are retired. If the Respondent is not working now, has not worked in the prior two years, and is not over 65 years old, the code .Q is assigned, as the employment status was not asked.

SwUNEMP is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwUNEMP.

Cross Wave Differences in Original HRS Data

Unemployment status uses several pieces of employment data: whether working for pay, current job status, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available.

The question about current job status is asked in all waves except Wave 2A.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2701           F1A:WORKING
    V2702           F1B:UNEMP-LOOKING FR WRK
    V2703           F1C:SICK/OTHER LEAVE
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    V2704           F1D:DISABLED
    V2705           F1E:RETIRED
    V2706           F1F:HOMEMAKER
    V2707           F1G:OTHER
    V2717           F2:ANY WRK FOR PAY  :IMP
    V3530           G39:LKING JB LAST 4 WKS
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    BIWYEAR         1993 INTERVIEW YEAR
HRS 1994:
    W3300           FA1.CURRENT JOB STATUS
    W3301           FA1.CURRENT JOB STATUS
    W3302           FA1.CURRENT JOB STATUS
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2638           GA1F. MONTH DISABLED
    D2639           GA1G. YEAR DISABLED
    D2651           GA2.WORKING ANY CURRENT
    D3696           GC28.FIND WORK
HRS 1996:
    E2611M1         G1.CURRENT JOB STATUS
    E2611M2         G1.CURRENT JOB STATUS
    E2611M3         G1.CURRENT JOB STATUS
    E2627           G2.WORKING FOR PAY
    E2984           G115.DOING TO FIND WORK
HRS 1998:
    F3115M1         G1.CURRENT JOB STATUS
    F3115M2         G1.CURRENT JOB STATUS
    F3115M3         G1.CURRENT JOB STATUS
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3131           G2.WORKING FOR PAY
    F3513           G115.DOING TO FIND WORK
HRS 2000:
    G3365M1         G1.CURRENT JOB STATUS
    G3365M2         G1.CURRENT JOB STATUS
    G3365M3         G1.CURRENT JOB STATUS
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3381           G2.WORKING FOR PAY
    G3800           G115.DOING TO FIND WORK
HRS 2002:
    HJ005M1         CURRENT JOB STATUS- 1
    HJ005M2         CURRENT JOB STATUS- 2
    HJ005M3         CURRENT JOB STATUS- 3
    HJ007           MO UNEMPLOYED
    HJ008           YR UNEMPLOYED
    HJ014           DISABLED-MO
    HJ015           DISABLED- YR
    HJ020           WORKING FOR PAY
```

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    HJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2004:
    JJ005M1         CURRENT JOB STATUS- 1
    JJ005M2         CURRENT JOB STATUS- 2
    JJ005M3         CURRENT JOB STATUS- 3
    JJ007           MO UNEMPLOYED
    JJ008           YR UNEMPLOYED
    JJ014           DISABLED-MO
    JJ015           DISABLED- YR
    JJ020           WORKING FOR PAY
    JJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2006:
    KJ005M1         CURRENT JOB STATUS- 1
    KJ005M2         CURRENT JOB STATUS- 2
    KJ005M3         CURRENT JOB STATUS- 3
    KJ007           MO UNEMPLOYED
    KJ008           YR UNEMPLOYED
    KJ014           DISABLED-MO
    KJ015           DISABLED- YR
    KJ020           WORKING FOR PAY
    KJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2008:
    LJ005M1         CURRENT JOB STATUS- 1
    LJ005M2         CURRENT JOB STATUS- 2
    LJ005M3         CURRENT JOB STATUS- 3
    LJ007           MO UNEMPLOYED
    LJ008           YR UNEMPLOYED
    LJ014           DISABLED-MO
    LJ015           DISABLED- YR
    LJ020           WORKING FOR PAY
    LJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2010:
    MJ005M1         CURRENT JOB STATUS- 1
    MJ005M2         CURRENT JOB STATUS- 2
    MJ005M3         CURRENT JOB STATUS- 3
    MJ007           MO UNEMPLOYED
    MJ008           YR UNEMPLOYED
    MJ014           DISABLED-MO
    MJ015           DISABLED- YR
    MJ020           WORKING FOR PAY
    MJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2012:
    NJ005M1         CURRENT JOB STATUS- 1
    NJ005M2         CURRENT JOB STATUS- 2
    NJ005M3         CURRENT JOB STATUS- 3
    NJ007           MO UNEMPLOYED
    NJ008           YR UNEMPLOYED
    NJ014           DISABLED-MO
    NJ015           DISABLED- YR
    NJ020           WORKING FOR PAY
    NJ517           DOING WHAT TO FIND WORK- NOT WORKING
HRS 2014:
    OJ005M1         CURRENT JOB STATUS- 1
    OJ005M2         CURRENT JOB STATUS- 2
    OJ005M3         CURRENT JOB STATUS- 3
    OJ007           MO UNEMPLOYED
    OJ008           YR UNEMPLOYED
    OJ014           DISABLED-MO
    OJ015           DISABLED- YR
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    OJ020           WORKING FOR PAY
    OJ517           DOING WHAT TO FIND WORK- NOT WORKING
Tracker:
    ANURSHM         1992 NURSING HOME STATUS
    BNURSHM         1993 NURSING HOME STATUS
    CNURSHM         1994 NURSING HOME STATUS
    DNURSHM         1995 NURSING HOME STATUS
    ENURSHM         1996 NURSING HOME STATUS
    FNURSHM         1998 NURSING HOME STATUS
    GNURSHM         2000 NURSING HOME STATUS
    HNURSHM         2002 NURSING HOME STATUS
    JNURSHM         2004 NURSING HOME STATUS
    KNURSHM         2006 NURSING HOME STATUS
    LNURSHM         2008 NURSING HOME STATUS
    MNURSHM         2010 NURSING HOME STATUS
    NNURSHM         2012 NURSING HOME STATUS
    ONURSHM         2014 NURSING HOME STATUS
```

Hours of work per week at current job

Wave	Variable	Label	Type
1	R1JHOURS	R1JHOURS:W1 Hours worked/week main job	Cont
2	R2JHOURS	R2JHOURS:W2 Hours worked/week main job	Cont
3	R3JHOURS	R3JHOURS:W3 Hours worked/week main job	Cont
4	R4JHOURS	R4JHOURS:W4 Hours worked/week main job	Cont
5	R5JHOURS	R5JHOURS:W5 Hours worked/week main job	Cont
6	R6JHOURS	R6JHOURS:W6 Hours worked/week main job	Cont
7	R7JHOURS	R7JHOURS:W7 Hours worked/week main job	Cont
8	R8JHOURS	R8JHOURS:W8 Hours worked/week main job	Cont
9	R9JHOURS	R9JHOURS:W9 Hours worked/week main job	Cont
10	R10JHOURS	R10JHOURS:W10 Hours worked/week main job	Cont
11	R11JHOURS	R11JHOURS:W11 Hours worked/week main job	Cont
12	R12JHOURS	R12JHOURS:W12 Hours worked/week main job	Cont
1	S1JHOURS	S1JHOURS:W1 Hours worked/week main job	Cont
2	S2JHOURS	S2JHOURS:W2 Hours worked/week main job	Cont
3	S3JHOURS	S3JHOURS:W3 Hours worked/week main job	Cont
4	S4JHOURS	S4JHOURS:W4 Hours worked/week main job	Cont
5	S5JHOURS	S5JHOURS:W5 Hours worked/week main job	Cont
6	S6JHOURS	S6JHOURS:W6 Hours worked/week main job	Cont
7	S7JHOURS	S7JHOURS:W7 Hours worked/week main job	Cont
8	S8JHOURS	S8JHOURS:W8 Hours worked/week main job	Cont
9	S9JHOURS	S9JHOURS:W9 Hours worked/week main job	Cont
10	S10JHOURS	S10JHOURS:W10 Hours worked/week main job	Cont
11	S11JHOURS	S11JHOURS:W11 Hours worked/week main job	Cont
12	S12JHOURS	S12JHOURS:W12 Hours worked/week main job	Cont
1	R1JHOUR2	R1JHOUR2:W1 Hours worked/week 2nd job	Cont
2	R2JHOUR2	R2JHOUR2:W2 Hours worked/week 2nd job	Cont
3	R3JHOUR2	R3JHOUR2:W3 Hours worked/week 2nd job	Cont
4	R4JHOUR2	R4JHOUR2:W4 Hours worked/week 2nd job	Cont
5	R5JHOUR2	R5JHOUR2:W5 Hours worked/week 2nd job	Cont
6	R6JHOUR2	R6JHOUR2:W6 Hours worked/week 2nd job	Cont
7	R7JHOUR2	R7JHOUR2:W7 Hours worked/week 2nd job	Cont
8	R8JHOUR2	R8JHOUR2:W8 Hours worked/week 2nd job	Cont
9	R9JHOUR2	R9JHOUR2:W9 Hours worked/week 2nd job	Cont
10	R10JHOUR2	R10JHOUR2:W10 Hours worked/week 2nd job	Cont
11	R11JHOUR2	R11JHOUR2:W11 Hours worked/week 2nd job	Cont
12	R12JHOUR2	R12JHOUR2:W12 Hours worked/week 2nd job	Cont
1	S1JHOUR2	S1JHOUR2:W1 Hours worked/week 2nd job	Cont
2	S2JHOUR2	S2JHOUR2:W2 Hours worked/week 2nd job	Cont
3	S3JHOUR2	S3JHOUR2:W3 Hours worked/week 2nd job	Cont
4	S4JHOUR2	S4JHOUR2:W4 Hours worked/week 2nd job	Cont
5	S5JHOUR2	S5JHOUR2:W5 Hours worked/week 2nd job	Cont
6	S6JHOUR2	S6JHOUR2:W6 Hours worked/week 2nd job	Cont
7	S7JHOUR2	S7JHOUR2:W7 Hours worked/week 2nd job	Cont
8	S8JHOUR2	S8JHOUR2:W8 Hours worked/week 2nd job	Cont
9	S9JHOUR2	S9JHOUR2:W9 Hours worked/week 2nd job	Cont
10	S10JHOUR2	S10JHOUR2:W10 Hours worked/week 2nd job	Cont
11	S11JHOUR2	S11JHOUR2:W11 Hours worked/week 2nd job	Cont
12	S12JHOUR2	S12JHOUR2:W12 Hours worked/week 2nd job	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JHOURS	8309	40.25	13.05	1.0	95.0
R2JHOURS	7739	38.30	14.64	0.0	95.0
R3JHOURS	6709	37.27	14.93	0.0	95.0
R4JHOURS	8205	37.41	15.28	0.0	168.0
R5JHOURS	7028	36.85	15.89	0.0	168.0

R6JHOURS	5933	35.64	15.53	0.0	168.0
R7JHOURS	7666	36.89	15.46	0.0	168.0
R8JHOURS	6467	36.14	15.88	0.0	168.0
R9JHOURS	5738	35.40	15.47	0.0	168.0
R10JHOURS	8655	36.94	15.35	0.0	168.0
R11JHOURS	7727	36.64	14.99	0.0	168.0
R12JHOURS	6696	36.07	14.96	0.0	152.0
S1JHOURS	6549	40.43	13.23	1.0	95.0
S2JHOURS	5972	38.71	14.64	0.0	95.0
S3JHOURS	5099	37.54	14.95	0.0	95.0
S4JHOURS	6093	37.79	15.43	0.0	168.0
S5JHOURS	5258	37.35	16.18	0.0	168.0
S6JHOURS	4413	36.05	15.82	0.0	168.0
S7JHOURS	5642	37.34	15.61	0.0	168.0
S8JHOURS	4757	36.64	15.81	0.0	168.0
S9JHOURS	4157	35.80	15.56	0.0	168.0
S10JHOURS	5986	37.31	15.29	0.0	144.0
S11JHOURS	5344	37.20	15.06	0.0	168.0
S12JHOURS	4568	36.68	15.06	0.0	152.0
R1JHOUR2	968	14.56	12.34	0.0	95.0
R2JHOUR2	704	14.15	11.56	0.0	70.0
R3JHOUR2	635	14.63	13.02	1.0	96.0
R4JHOUR2	828	14.73	14.20	0.0	96.0
R5JHOUR2	628	15.00	12.85	0.0	95.0
R6JHOUR2	525	14.82	13.72	0.0	96.0
R7JHOUR2	815	13.30	11.25	0.0	96.0
R8JHOUR2	645	13.46	11.52	0.0	80.0
R9JHOUR2	563	13.47	11.99	0.0	80.0
R10JHOUR2	1059	12.96	11.30	0.0	80.0
R11JHOUR2	901	12.77	10.82	0.0	60.0
R12JHOUR2	765	13.46	10.46	0.0	70.0
S1JHOUR2	734	14.24	12.57	0.0	95.0
S2JHOUR2	556	14.15	12.02	0.0	70.0
S3JHOUR2	470	14.64	13.76	1.0	96.0
S4JHOUR2	600	14.83	14.48	0.0	96.0
S5JHOUR2	469	15.05	13.56	0.0	95.0
S6JHOUR2	403	14.47	12.79	0.0	80.0
S7JHOUR2	599	13.45	11.55	0.0	96.0
S8JHOUR2	469	13.30	11.54	0.0	80.0
S9JHOUR2	379	13.59	12.57	0.0	80.0
S10JHOUR2	730	12.93	11.94	0.0	80.0
S11JHOUR2	659	12.63	11.14	0.0	60.0
S12JHOUR2	515	13.62	10.62	0.0	60.0

How Constructed

RwJHOURS is the usual number of hours per week the Respondent works at his/her main job. RwJHOUR2 is the usual number of hours per week the Respondent works at a second job.

If the Respondent is working for pay then he/she is asked how many hours per week he/she usually works at the main job. RwJHOURS recodes missings for this variable. If the Respondent is not working it is set to a .W missing code.

RwJHOUR2 recodes missings for usual number of hours worked at a second job, if any. If the Respondent is not working a second job it is set to a .W missing code.

In Wave 2A, there was no question about a second job. So for AHEAD Respondents, R2JHOUR2 is set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJHOURS and RwJHOUR2.

Cross Wave Differences in Original HRS Data

Usual hours of work per week is asked of working Respondents at every wave. The question wording remains the same across waves and asks:

If the Respondent works for a firm: "How many hours a week do you usually work on this job?"

If the Respondent is self-employed: "How many hours a week do you usually work in this business?"

For a second job: "How many hours a week do you usually work on (this other job/these other jobs)?"

In all waves, it is not asked if the Respondent is not working.

In Waves 1, 2H and 3A, the question about the main job is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not. In Waves 2H and 3A, the question about the second job is also asked separately, based on the Respondent's self-employment status. From Wave 3H forward, the question wording about the main job varies depending on the Respondent's self-employment status, but the result appears in the same variable.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2722           F8:WRK HRS/WK:THIS JOB
    V2822           F28:S-E:WRK HRS/WK
    V3327           F86:DNG ANY OTR WRK :IMP
    V3332           F87:HRS/WK WRK OTHR JOB
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1186           G6. CURR WORK: # HOURS PER WEEK
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3617           FA44.HOURS WORK PER WEEK
    W3956           FA117.ANY OTHER PAID WOR
    W3961           FA118.HOURS/WEEK ON 2ND
    W4313           FB17.HOURS WORK PER WEEK
    W4611           FB77.ANY OTHER PAID WORK
    W4616           FB78.HOURS/WEEK SECOND J
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
```

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    D2836           GA44. HOURS/WEEK WORKED
    D3110           GA117. ANY OTHER PAID WORK
    D3112           GA118. HOURS/WEEK SECOND JOBS
    D3256           GB17. HOURS/WEEK WORKED
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2736           G44.HOURS WORK PER WEEK
    E3019           G128.ANY OTHER PAID WORK
    E3021           G129.HOURS/WEEK ON 2ND JOB
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3259           G44.HOURS WORK PER WEEK
    F3549           G128.ANY OTHER PAID WORK
    F3551           G129.HOURS/WEEK ON 2ND JOB
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3509           G44.HOURS WORK PER WEEK
    G3838           G128.ANY OTHER PAID WORK
    G3840           G129.HOURS/WEEK ON 2ND JOB
HRS 2002:
    HJ020           WORKING FOR PAY
    HJ172           HRS WORK PER WEEK
    HJ553           ANY OTR PAID WORK
    HJ556           HRS/WK ON 2ND JOB
HRS 2004:
    JJ020           WORKING FOR PAY
    JJ172           HRS WORK PER WEEK
    JJ553           ANY OTR PAID WORK
    JJ556           HRS/WK ON 2ND JOB
HRS 2006:
    KJ020           WORKING FOR PAY
    KJ172           HRS WORK PER WEEK
    KJ553           ANY OTR PAID WORK
    KJ556           HRS/WK ON 2ND JOB
HRS 2008:
    LJ020           WORKING FOR PAY
    LJ172           HRS WORK PER WEEK
    LJ553           ANY OTR PAID WORK
    LJ556           HRS/WK ON 2ND JOB
HRS 2010:
    MJ020           WORKING FOR PAY
    MJ172           HRS WORK PER WEEK
    MJ553           ANY OTR PAID WORK
    MJ556           HRS/WK ON 2ND JOB
HRS 2012:
    NJ020           WORKING FOR PAY
    NJ172           HRS WORK PER WEEK
    NJ553           ANY OTR PAID WORK
    NJ556           HRS/WK ON 2ND JOB
HRS 2014:
    OJ020           WORKING FOR PAY
    OJ172           HRS WORK PER WEEK
    OJ553           ANY OTR PAID WORK
    OJ556           HRS/WK ON 2ND JOB
```

Weeks worked per year at current job

Wave	Variable	Label	Type
1	R1JWEEKS	R1JWEEKS:W1 Weeks worked/year main job	Cont
2	R2JWEEKS	R2JWEEKS:W2 Weeks worked/year main job	Cont
3	R3JWEEKS	R3JWEEKS:W3 Weeks worked/year main job	Cont
4	R4JWEEKS	R4JWEEKS:W4 Weeks worked/year main job	Cont
5	R5JWEEKS	R5JWEEKS:W5 Weeks worked/year main job	Cont
6	R6JWEEKS	R6JWEEKS:W6 Weeks worked/year main job	Cont
7	R7JWEEKS	R7JWEEKS:W7 Weeks worked/year main job	Cont
8	R8JWEEKS	R8JWEEKS:W8 Weeks worked/year main job	Cont
9	R9JWEEKS	R9JWEEKS:W9 Weeks worked/year main job	Cont
10	R10JWEEKS	R10JWEEKS:W10 Weeks worked/year main job	Cont
11	R11JWEEKS	R11JWEEKS:W11 Weeks worked/year main job	Cont
12	R12JWEEKS	R12JWEEKS:W12 Weeks worked/year main job	Cont
1	S1JWEEKS	S1JWEEKS:W1 Weeks worked/year main job	Cont
2	S2JWEEKS	S2JWEEKS:W2 Weeks worked/year main job	Cont
3	S3JWEEKS	S3JWEEKS:W3 Weeks worked/year main job	Cont
4	S4JWEEKS	S4JWEEKS:W4 Weeks worked/year main job	Cont
5	S5JWEEKS	S5JWEEKS:W5 Weeks worked/year main job	Cont
6	S6JWEEKS	S6JWEEKS:W6 Weeks worked/year main job	Cont
7	S7JWEEKS	S7JWEEKS:W7 Weeks worked/year main job	Cont
8	S8JWEEKS	S8JWEEKS:W8 Weeks worked/year main job	Cont
9	S9JWEEKS	S9JWEEKS:W9 Weeks worked/year main job	Cont
10	S10JWEEKS	S10JWEEKS:W10 Weeks worked/year main job	Cont
11	S11JWEEKS	S11JWEEKS:W11 Weeks worked/year main job	Cont
12	S12JWEEKS	S12JWEEKS:W12 Weeks worked/year main job	Cont
1	R1JWEEK2	R1JWEEK2:W1 Weeks worked/year 2nd job	Cont
2	R2JWEEK2	R2JWEEK2:W2 Weeks worked/year 2nd job	Cont
3	R3JWEEK2	R3JWEEK2:W3 Weeks worked/year 2nd job	Cont
4	R4JWEEK2	R4JWEEK2:W4 Weeks worked/year 2nd job	Cont
5	R5JWEEK2	R5JWEEK2:W5 Weeks worked/year 2nd job	Cont
6	R6JWEEK2	R6JWEEK2:W6 Weeks worked/year 2nd job	Cont
7	R7JWEEK2	R7JWEEK2:W7 Weeks worked/year 2nd job	Cont
8	R8JWEEK2	R8JWEEK2:W8 Weeks worked/year 2nd job	Cont
9	R9JWEEK2	R9JWEEK2:W9 Weeks worked/year 2nd job	Cont
10	R10JWEEK2	R10JWEEK2:W10 Weeks worked/year 2nd job	Cont
11	R11JWEEK2	R11JWEEK2:W11 Weeks worked/year 2nd job	Cont
12	R12JWEEK2	R12JWEEK2:W12 Weeks worked/year 2nd job	Cont
1	S1JWEEK2	S1JWEEK2:W1 Weeks worked/year 2nd job	Cont
2	S2JWEEK2	S2JWEEK2:W2 Weeks worked/year 2nd job	Cont
3	S3JWEEK2	S3JWEEK2:W3 Weeks worked/year 2nd job	Cont
4	S4JWEEK2	S4JWEEK2:W4 Weeks worked/year 2nd job	Cont
5	S5JWEEK2	S5JWEEK2:W5 Weeks worked/year 2nd job	Cont
6	S6JWEEK2	S6JWEEK2:W6 Weeks worked/year 2nd job	Cont
7	S7JWEEK2	S7JWEEK2:W7 Weeks worked/year 2nd job	Cont
8	S8JWEEK2	S8JWEEK2:W8 Weeks worked/year 2nd job	Cont
9	S9JWEEK2	S9JWEEK2:W9 Weeks worked/year 2nd job	Cont
10	S10JWEEK2	S10JWEEK2:W10 Weeks worked/year 2nd job	Cont
11	S11JWEEK2	S11JWEEK2:W11 Weeks worked/year 2nd job	Cont
12	S12JWEEK2	S12JWEEK2:W12 Weeks worked/year 2nd job	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JWEEKS	8225	49.45	6.91	1.0	52.0
R2JWEEKS	7724	48.79	8.36	0.0	52.0
R3JWEEKS	6721	48.22	9.12	0.0	52.0
R4JWEEKS	8193	48.28	9.06	0.0	52.0
R5JWEEKS	6998	48.11	9.10	0.0	52.0

R6JWEEKS	5912	47.85	9.54	0.0	52.0
R7JWEEKS	7641	48.07	9.43	0.0	52.0
R8JWEEKS	6482	48.02	9.42	0.0	52.0
R9JWEEKS	5744	47.66	10.03	0.0	52.0
R10JWEEKS	8492	47.75	9.79	0.0	52.0
R11JWEEKS	7562	47.84	9.48	0.0	52.0
R12JWEEKS	6515	47.50	9.86	0.0	52.0
S1JWEEKS	6492	49.42	6.93	1.0	52.0
S2JWEEKS	5963	48.84	8.25	0.0	52.0
S3JWEEKS	5109	48.13	9.23	0.0	52.0
S4JWEEKS	6085	48.17	9.13	0.0	52.0
S5JWEEKS	5231	48.05	9.08	0.0	52.0
S6JWEEKS	4406	47.66	9.65	0.0	52.0
S7JWEEKS	5636	47.92	9.54	0.0	52.0
S8JWEEKS	4772	47.90	9.60	0.0	52.0
S9JWEEKS	4165	47.63	9.99	0.0	52.0
S10JWEEKS	5891	47.65	9.89	0.0	52.0
S11JWEEKS	5256	47.79	9.50	0.0	52.0
S12JWEEKS	4469	47.51	9.69	0.0	52.0
R1JWEEK2	960	38.61	17.92	1.0	52.0
R2JWEEK2	692	38.64	17.44	0.0	52.0
R3JWEEK2	636	39.26	17.41	1.0	52.0
R4JWEEK2	816	38.03	17.96	1.0	52.0
R5JWEEK2	624	38.36	18.01	1.0	52.0
R6JWEEK2	526	38.60	17.96	1.0	52.0
R7JWEEK2	819	37.86	17.91	1.0	52.0
R8JWEEK2	649	38.65	17.56	1.0	52.0
R9JWEEK2	577	37.27	18.13	1.0	52.0
R10JWEEK2	1053	35.90	18.32	1.0	52.0
R11JWEEK2	884	35.51	17.83	1.0	52.0
R12JWEEK2	764	34.84	18.18	1.0	52.0
S1JWEEK2	732	37.53	18.30	1.0	52.0
S2JWEEK2	544	37.87	17.62	0.0	52.0
S3JWEEK2	471	39.08	17.30	1.0	52.0
S4JWEEK2	593	37.28	18.30	1.0	52.0
S5JWEEK2	462	37.68	18.61	1.0	52.0
S6JWEEK2	404	38.63	17.79	1.0	52.0
S7JWEEK2	608	37.37	18.08	1.0	52.0
S8JWEEK2	476	38.29	17.55	1.0	52.0
S9JWEEK2	393	36.56	18.37	1.0	52.0
S10JWEEK2	724	35.21	18.48	1.0	52.0
S11JWEEK2	647	34.97	18.01	1.0	52.0
S12JWEEK2	524	34.45	18.21	1.0	52.0

How Constructed

RwJWEEKS is the usual number of weeks per year the Respondent works at his/her main job, counting paid vacation as weeks worked. RwJHOUR2 is the usual number of hours per week the Respondent works at a second job.

If the Respondent is working for pay then he/she is asked how many weeks per year he/she usually works at the main job. RwJWEEKS recodes missings for this variable. If the Respondent is not working, it is set to a .W missing code.

RwJWEEK2 recodes missings for usual number of weeks worked at a second job, if any. If the Respondent is not working a second job it is set to a .W missing code.

In Wave 2A, there was no question about a second job. So for the AHEAD Respondents, R2JWEEK2 is set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variables are taken from the Wave "w" spouse's self-reports, i.e., from the Wave "w" spouse's RwJWEEKS and RwJWEEK2.

Cross Wave Differences in Original HRS Data

Usual number of weeks worked per year is asked of working Respondent at each wave. The question wording remains the same across waves and asks:

"Main job: Counting paid vacations as weeks of work, how many weeks a year do you usually work on this job?"

"If second job(s): Counting paid vacations as weeks of work, how many weeks a year do you usually work on (this other job/these other jobs)?"

In all waves, it is not asked if the Respondent is not working.

In Waves 1, 2H and 3A, the question about the main job is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not. In Waves 2H and 3A, the question about the second job is also asked separately based on the Respondent's self-employment status. From Wave 3H forward, the question wording about the main job varies depending on the Respondent's self-employment status, but the result appears in the same variable.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2726           F10:WKS/YR WORKING
    V2823           F29:S-E:WRKING WKS /YR
    V3327           F86:DNG ANY OTR WRK :IMP
    V3333           F88:WKS/YR WRK OTHR JOB
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1187           G6A. CURR WORK: # WEEKS PER YEAR
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3623           FA47.NUMBER WEEKS PER YE
    W3956           FA117.ANY OTHER PAID WOR
    W3962           FA119.WEEKS/YEAR ON 2ND
    W4314           FB18.WEEKS WORK PER YEAR
    W4611           FB77.ANY OTHER PAID WORK
    W4617           FB79.WEEKS/YEAR SECOND J
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2846           GA47. WEEKS/YEAR WORKED
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    D3110           GA117. ANY OTHER PAID WORK
    D3113           GA119. WEEKS/YEAR SECOND JOBS
    D3257           GB18. WEEKS/YEAR WORKED
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2746           G47.WEEKS PER YEAR USUALLY WORK
    E3019           G128.ANY OTHER PAID WORK
    E3022           G130.WEEKS/YEAR ON 2ND JOB
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3269           G47.WEEKS PER YEAR USUALLY WORK
    F3549           G128.ANY OTHER PAID WORK
    F3552           G130.WEEKS/YEAR ON 2ND JOB
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3519           G47.WEEKS PER YEAR USUALLY WORK
    G3838           G128.ANY OTHER PAID WORK
    G3841           G130.WEEKS/YEAR ON 2ND JOB
HRS 2002:
    HJ020           WORKING FOR PAY
    HJ179           WKS PR YR USUALLY WORK
    HJ553           ANY OTR PAID WORK
    HJ557           WKS/YR ON 2ND JOB
HRS 2004:
    JJ020           WORKING FOR PAY
    JJ179           WKS PR YR USUALLY WORK
    JJ553           ANY OTR PAID WORK
    JJ557           WKS/YR ON 2ND JOB
HRS 2006:
    KJ020           WORKING FOR PAY
    KJ179           WKS PR YR USUALLY WORK
    KJ553           ANY OTR PAID WORK
    KJ557           WKS/YR ON 2ND JOB
HRS 2008:
    LJ020           WORKING FOR PAY
    LJ179           WKS PR YR USUALLY WORK
    LJ553           ANY OTR PAID WORK
    LJ557           WKS/YR ON 2ND JOB
HRS 2010:
    MJ020           WORKING FOR PAY
    MJ179           WKS PR YR USUALLY WORK
    MJ553           ANY OTR PAID WORK
    MJ557           WKS/YR ON 2ND JOB
HRS 2012:
    NJ020           WORKING FOR PAY
    NJ179           WKS PR YR USUALLY WORK
    NJ553           ANY OTR PAID WORK
    NJ557           WKS/YR ON 2ND JOB
HRS 2014:
    OJ020           WORKING FOR PAY
    OJ179           WKS PR YR USUALLY WORK
    OJ553           ANY OTR PAID WORK
    OJ557           WKS/YR ON 2ND JOB
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Wage rate

Wave	Variable	Label	Type
1	R1WGIHR	R1WGIHR:W1 Imputed Wage Rate-Hrly	Cont
2	R2WGIHR	R2WGIHR:W2 Imputed Wage Rate-Hrly	Cont
3	R3WGIHR	R3WGIHR:W3 Imputed Wage Rate-Hrly	Cont
4	R4WGIHR	R4WGIHR:W4 Imputed Wage Rate-Hrly	Cont
5	R5WGIHR	R5WGIHR:W5 Imputed Wage Rate-Hrly	Cont
6	R6WGIHR	R6WGIHR:W6 Imputed Wage Rate-Hrly	Cont
7	R7WGIHR	R7WGIHR:W7 Imputed Wage Rate-Hrly	Cont
8	R8WGIHR	R8WGIHR:W8 Imputed Wage Rate-Hrly	Cont
9	R9WGIHR	R9WGIHR:W9 Imputed Wage Rate-Hrly	Cont
10	R10WGIHR	R10WGIHR:W10 Imputed Wage Rate-Hrly	Cont
11	R11WGIHR	R11WGIHR:W11 Imputed Wage Rate-Hrly	Cont
12	R12WGIHR	R12WGIHR:W12 Imputed Wage Rate-Hrly	Cont
1	S1WGIHR	S1WGIHR:W1 Imputed Wage Rate-Hrly	Cont
2	S2WGIHR	S2WGIHR:W2 Imputed Wage Rate-Hrly	Cont
3	S3WGIHR	S3WGIHR:W3 Imputed Wage Rate-Hrly	Cont
4	S4WGIHR	S4WGIHR:W4 Imputed Wage Rate-Hrly	Cont
5	S5WGIHR	S5WGIHR:W5 Imputed Wage Rate-Hrly	Cont
6	S6WGIHR	S6WGIHR:W6 Imputed Wage Rate-Hrly	Cont
7	S7WGIHR	S7WGIHR:W7 Imputed Wage Rate-Hrly	Cont
8	S8WGIHR	S8WGIHR:W8 Imputed Wage Rate-Hrly	Cont
9	S9WGIHR	S9WGIHR:W9 Imputed Wage Rate-Hrly	Cont
10	S10WGIHR	S10WGIHR:W10 Imputed Wage Rate-Hrly	Cont
11	S11WGIHR	S11WGIHR:W11 Imputed Wage Rate-Hrly	Cont
12	S12WGIHR	S12WGIHR:W12 Imputed Wage Rate-Hrly	Cont
1	R1WGIWK	R1WGIWK:W1 Imputed Wage Rate-Wkly	Cont
2	R2WGIWK	R2WGIWK:W2 Imputed Wage Rate-Wkly	Cont
3	R3WGIWK	R3WGIWK:W3 Imputed Wage Rate-Wkly	Cont
4	R4WGIWK	R4WGIWK:W4 Imputed Wage Rate-Wkly	Cont
5	R5WGIWK	R5WGIWK:W5 Imputed Wage Rate-Wkly	Cont
6	R6WGIWK	R6WGIWK:W6 Imputed Wage Rate-Wkly	Cont
7	R7WGIWK	R7WGIWK:W7 Imputed Wage Rate-Wkly	Cont
8	R8WGIWK	R8WGIWK:W8 Imputed Wage Rate-Wkly	Cont
9	R9WGIWK	R9WGIWK:W9 Imputed Wage Rate-Wkly	Cont
10	R10WGIWK	R10WGIWK:W10 Imputed Wage Rate-Wkly	Cont
11	R11WGIWK	R11WGIWK:W11 Imputed Wage Rate-Wkly	Cont
12	R12WGIWK	R12WGIWK:W12 Imputed Wage Rate-Wkly	Cont
1	S1WGIWK	S1WGIWK:W1 Imputed Wage Rate-Wkly	Cont
2	S2WGIWK	S2WGIWK:W2 Imputed Wage Rate-Wkly	Cont
3	S3WGIWK	S3WGIWK:W3 Imputed Wage Rate-Wkly	Cont
4	S4WGIWK	S4WGIWK:W4 Imputed Wage Rate-Wkly	Cont
5	S5WGIWK	S5WGIWK:W5 Imputed Wage Rate-Wkly	Cont
6	S6WGIWK	S6WGIWK:W6 Imputed Wage Rate-Wkly	Cont
7	S7WGIWK	S7WGIWK:W7 Imputed Wage Rate-Wkly	Cont
8	S8WGIWK	S8WGIWK:W8 Imputed Wage Rate-Wkly	Cont
9	S9WGIWK	S9WGIWK:W9 Imputed Wage Rate-Wkly	Cont
10	S10WGIWK	S10WGIWK:W10 Imputed Wage Rate-Wkly	Cont
11	S11WGIWK	S11WGIWK:W11 Imputed Wage Rate-Wkly	Cont
12	S12WGIWK	S12WGIWK:W12 Imputed Wage Rate-Wkly	Cont
1	R1WGFHR	R1WGFHR:W1 Impute Flag Wage Rate-Hrly	Categ
2	R2WGFHR	R2WGFHR:W2 Impute Flag Wage Rate-Hrly	Categ
3	R3WGFHR	R3WGFHR:W3 Impute Flag Wage Rate-Hrly	Categ
4	R4WGFHR	R4WGFHR:W4 Impute Flag Wage Rate-Hrly	Categ
5	R5WGFHR	R5WGFHR:W5 Impute Flag Wage Rate-Hrly	Categ
6	R6WGFHR	R6WGFHR:W6 Impute Flag Wage Rate-Hrly	Categ
7	R7WGFHR	R7WGFHR:W7 Impute Flag Wage Rate-Hrly	Categ
8	R8WGFHR	R8WGFHR:W8 Impute Flag Wage Rate-Hrly	Categ
9	R9WGFHR	R9WGFHR:W9 Impute Flag Wage Rate-Hrly	Categ
10	R10WGFHR	R10WGFHR:W10 Impute Flag Wage Rate-Hrly	Categ
11	R11WGFHR	R11WGFHR:W11 Impute Flag Wage Rate-Hrly	Categ
12	R12WGFHR	R12WGFHR:W12 Impute Flag Wage Rate-Hrly	Categ
1	S1WGFHR	S1WGFHR:W1 Impute Flag Wage Rate-Hrly	Categ

2	S2WGFHR	S2WGFHR:W2 Impute Flag Wage Rate-Hrly	Categ
3	S3WGFHR	S3WGFHR:W3 Impute Flag Wage Rate-Hrly	Categ
4	S4WGFHR	S4WGFHR:W4 Impute Flag Wage Rate-Hrly	Categ
5	S5WGFHR	S5WGFHR:W5 Impute Flag Wage Rate-Hrly	Categ
6	S6WGFHR	S6WGFHR:W6 Impute Flag Wage Rate-Hrly	Categ
7	S7WGFHR	S7WGFHR:W7 Impute Flag Wage Rate-Hrly	Categ
8	S8WGFHR	S8WGFHR:W8 Impute Flag Wage Rate-Hrly	Categ
9	S9WGFHR	S9WGFHR:W9 Impute Flag Wage Rate-Hrly	Categ
10	S10WGFHR	S10WGFHR:W10 Impute Flag Wage Rate-Hrly	Categ
11	S11WGFHR	S11WGFHR:W11 Impute Flag Wage Rate-Hrly	Categ
12	S12WGFHR	S12WGFHR:W12 Impute Flag Wage Rate-Hrly	Categ
1	R1WGFWK	R1WGFWK:W1 Impute Flag Wage Rate-Wkly	Categ
2	R2WGFWK	R2WGFWK:W2 Impute Flag Wage Rate-Wkly	Categ
3	R3WGFWK	R3WGFWK:W3 Impute Flag Wage Rate-Wkly	Categ
4	R4WGFWK	R4WGFWK:W4 Impute Flag Wage Rate-Wkly	Categ
5	R5WGFWK	R5WGFWK:W5 Impute Flag Wage Rate-Wkly	Categ
6	R6WGFWK	R6WGFWK:W6 Impute Flag Wage Rate-Wkly	Categ
7	R7WGFWK	R7WGFWK:W7 Impute Flag Wage Rate-Wkly	Categ
8	R8WGFWK	R8WGFWK:W8 Impute Flag Wage Rate-Wkly	Categ
9	R9WGFWK	R9WGFWK:W9 Impute Flag Wage Rate-Wkly	Categ
10	R10WGFWK	R10WGFWK:W10 Impute Flag Wage Rate-Wkly	Categ
11	R11WGFWK	R11WGFWK:W11 Impute Flag Wage Rate-Wkly	Categ
12	R12WGFWK	R12WGFWK:W12 Impute Flag Wage Rate-Wkly	Categ
1	S1WGFWK	S1WGFWK:W1 Impute Flag Wage Rate-Wkly	Categ
2	S2WGFWK	S2WGFWK:W2 Impute Flag Wage Rate-Wkly	Categ
3	S3WGFWK	S3WGFWK:W3 Impute Flag Wage Rate-Wkly	Categ
4	S4WGFWK	S4WGFWK:W4 Impute Flag Wage Rate-Wkly	Categ
5	S5WGFWK	S5WGFWK:W5 Impute Flag Wage Rate-Wkly	Categ
6	S6WGFWK	S6WGFWK:W6 Impute Flag Wage Rate-Wkly	Categ
7	S7WGFWK	S7WGFWK:W7 Impute Flag Wage Rate-Wkly	Categ
8	S8WGFWK	S8WGFWK:W8 Impute Flag Wage Rate-Wkly	Categ
9	S9WGFWK	S9WGFWK:W9 Impute Flag Wage Rate-Wkly	Categ
10	S10WGFWK	S10WGFWK:W10 Impute Flag Wage Rate-Wkly	Categ
11	S11WGFWK	S11WGFWK:W11 Impute Flag Wage Rate-Wkly	Categ
12	S12WGFWK	S12WGFWK:W12 Impute Flag Wage Rate-Wkly	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WGIHR	7786	19.25	298.43	0.0	24000.0
R2WGIHR	7140	16.99	105.24	0.0	8000.0
R3WGIHR	6010	17.43	74.83	0.0	5000.0
R4WGIHR	7410	21.08	162.58	0.0	11111.1
R5WGIHR	6386	25.25	350.70	0.0	27000.0
R6WGIHR	5205	25.90	226.40	0.0	15625.0
R7WGIHR	6746	31.96	676.69	0.0	55250.0
R8WGIHR	5762	26.81	177.97	0.0	12345.7
R9WGIHR	5216	27.75	139.54	0.0	8333.3
R10WGIHR	8475	25.94	99.27	0.0	6520.8
R11WGIHR	7387	30.05	211.51	0.0	15306.7
R12WGIHR	6253	91.50	3272.24	0.0	241666.7
S1WGIHR	6106	20.46	335.93	0.0	24000.0
S2WGIHR	5483	17.85	118.48	0.0	8000.0
S3WGIHR	4539	17.14	38.71	0.0	1527.8
S4WGIHR	5487	22.70	186.38	0.0	11111.1
S5WGIHR	4750	27.93	405.76	0.0	27000.0
S6WGIHR	3854	28.36	261.20	0.0	15625.0
S7WGIHR	4945	35.79	788.97	0.0	55250.0
S8WGIHR	4196	26.19	82.13	0.0	4000.0

S9WGIHR	3770	29.45	157.16	0.0	8333.3
S10WGIHR	5822	27.58	113.55	0.0	6520.8
S11WGIHR	5068	32.21	246.98	0.0	15306.7
S12WGIHR	4268	101.49	3762.02	0.0	241666.7
R1WGIWK	7808	586.99	1438.46	0.0	96153.8
R2WGIWK	7165	608.93	2694.10	0.0	192306.5
R3WGIWK	6062	601.39	1557.10	0.0	91666.7
R4WGIWK	7439	703.58	5248.35	0.0	444444.0
R5WGIWK	6420	727.53	2021.22	0.0	85333.3
R6WGIWK	5231	763.59	1783.29	0.0	62500.0
R7WGIWK	6790	815.88	2210.28	0.0	110500.0
R8WGIWK	5796	859.62	2092.40	0.0	111111.1
R9WGIWK	5244	856.50	1639.36	0.0	76780.0
R10WGIWK	8506	874.97	1403.09	0.0	60000.0
R11WGIWK	7424	1022.44	7360.78	0.0	612266.7
R12WGIWK	6290	1367.11	23412.45	0.0	1700000.0
S1WGIWK	6126	582.76	868.79	0.0	30000.0
S2WGIWK	5498	630.05	2919.77	0.0	192306.5
S3WGIWK	4571	619.42	1575.73	0.0	91666.7
S4WGIWK	5508	753.92	6079.36	0.0	444444.0
S5WGIWK	4773	766.52	2094.02	0.0	85333.3
S6WGIWK	3877	797.80	1667.40	0.0	62500.0
S7WGIWK	4976	866.98	2323.14	0.0	110500.0
S8WGIWK	4222	887.82	1576.27	0.0	51384.6
S9WGIWK	3789	919.13	1818.63	0.0	76780.0
S10WGIWK	5842	915.15	1203.51	0.0	26083.3
S11WGIWK	5097	1119.05	8795.16	0.0	612266.7
S12WGIWK	4293	1604.34	28290.15	0.0	1700000.0
R1WGFHR	12652	3.81	3.49	1.0	9.0
R2WGFHR	19642	5.20	3.23	1.0	9.0
R3WGFHR	17991	5.73	3.33	1.0	9.0
R4WGFHR	21384	5.64	3.37	1.0	9.0
R5WGFHR	19579	5.78	3.31	1.0	9.0
R6WGFHR	18165	6.07	3.19	1.0	9.0
R7WGFHR	20129	5.75	3.34	1.0	9.0
R8WGFHR	18469	5.89	3.27	1.0	9.0
R9WGFHR	17217	5.95	3.24	1.0	9.0
R10WGFHR	22034	5.43	3.40	1.0	9.0
R11WGFHR	20554	5.59	3.37	1.0	9.0
R12WGFHR	18748	5.75	3.32	1.0	9.0
S1WGFHR	9900	3.79	3.49	1.0	9.0
S2WGFHR	13088	4.92	3.36	1.0	9.0
S3WGFHR	11915	5.41	3.44	1.0	9.0
S4WGFHR	13978	5.33	3.47	1.0	9.0
S5WGFHR	12730	5.46	3.43	1.0	9.0
S6WGFHR	11639	5.77	3.33	1.0	9.0
S7WGFHR	12972	5.43	3.45	1.0	9.0
S8WGFHR	11735	5.58	3.40	1.0	9.0
S9WGFHR	10646	5.60	3.38	1.0	9.0
S10WGFHR	13513	5.11	3.47	1.0	9.0
S11WGFHR	12488	5.27	3.46	1.0	9.0
S12WGFHR	11031	5.38	3.43	1.0	9.0
R1WGFWK	12652	3.79	3.49	1.0	9.0
R2WGFWK	19642	5.19	3.23	1.0	9.0

R3WGFWK	17991	5.71	3.34	1.0	9.0
R4WGFWK	21384	5.63	3.37	1.0	9.0
R5WGFWK	19579	5.77	3.31	1.0	9.0
R6WGFWK	18165	6.06	3.20	1.0	9.0
R7WGFWK	20129	5.73	3.34	1.0	9.0
R8WGFWK	18469	5.87	3.28	1.0	9.0
R9WGFWK	17217	5.93	3.24	1.0	9.0
R10WGFWK	22034	5.42	3.40	1.0	9.0
R11WGFWK	20554	5.57	3.37	1.0	9.0
R12WGFWK	18748	5.73	3.32	1.0	9.0
S1WGFWK	9900	3.78	3.49	1.0	9.0
S2WGFWK	13088	4.91	3.36	1.0	9.0
S3WGFWK	11915	5.39	3.45	1.0	9.0
S4WGFWK	13978	5.32	3.47	1.0	9.0
S5WGFWK	12730	5.45	3.43	1.0	9.0
S6WGFWK	11639	5.75	3.34	1.0	9.0
S7WGFWK	12972	5.41	3.45	1.0	9.0
S8WGFWK	11735	5.56	3.40	1.0	9.0
S9WGFWK	10646	5.58	3.38	1.0	9.0
S10WGFWK	13513	5.10	3.47	1.0	9.0
S11WGFWK	12488	5.25	3.46	1.0	9.0
S12WGFWK	11031	5.36	3.44	1.0	9.0

Categorical Variable Codes

Value	R1WGFHR	R2WGFHR	R3WGFHR	R4WGFHR	R5WGFHR	R6WGFHR	R7WGFHR
1.Not unemp: wage not missn	7378	6817	5777	7171	6179	4959	6433
2.Unemp:use MR prior wage	368	293	211	218	179	233	194
3.Unemp:predicted wage fr r	40	30	22	21	28	13	119
6.LF=miss:wage=miss,no imp		3153					
8.Not in LF:wage=miss,no im	3874	8344	10941	12747	12169	11857	11975
9.InLF,not unemp:miss,no im	992	1005	1040	1227	1024	1103	1408

Value	R8WGFHR	R9WGFHR	R10WGFHR	R11WGFHR	R12WGFHR
1.Not unemp: wage not missn	5547	4978	7576	6726	5838
2.Unemp:use MR prior wage	186	210	438	473	347
3.Unemp:predicted wage fr r	29	28	461	188	69
8.Not in LF:wage=miss,no im	11612	11101	12279	11927	11466
9.InLF,not unemp:miss,no im	1095	900	1280	1240	1028

Value	S1WGFHR	S2WGFHR	S3WGFHR	S4WGFHR	S5WGFHR	S6WGFHR	S7WGFHR
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.Not unemp: wage not missn	5809	5277	4382	5325	4609	3692	4733
2.Unemp:use MR prior wage	270	185	144	151	121	153	136
3.Unemp:predicted wage fr r	27	21	13	11	20	9	76
6.LF=miss:wage=miss,no imp		1483					
8.Not in LF:wage=miss,no im	3008	5374	6585	7579	7209	6970	6997
9.InLF,not unemp:miss,no im	786	748	791	912	771	815	1030

Value	S8WGFHR	S9WGFHR	S10WGFHR	S11WGFHR	S12WGFHR
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Not unemp: wage not missn	4061	3616	5257	4654	4016
2.Unemp:use MR prior wage	118	134	290	285	202
3.Unemp:predicted wage fr r	17	20	275	129	51
8.Not in LF:wage=miss,no im	6727	6248	6840	6574	6108
9.InLF,not unemp:miss,no im	812	628	851	846	654

Value	R1WGFWK	R2WGFWK	R3WGFWK	R4WGFWK	R5WGFWK	R6WGFWK	R7WGFWK
1.Not unemp: wage not missn	7400	6842	5829	7200	6213	4985	6477
2.Unemp:use MR prior wage	368	293	211	218	179	233	194
3.Unemp:predicted wage fr r	40	30	22	21	28	13	119
6.LF=miss:wage=miss,no imp		3153					
8.Not in LF:wage=miss,no im	3874	8344	10941	12747	12169	11857	11975
9.InLF,not unemp:miss,no im	970	980	988	1198	990	1077	1364

Value	R8WGFWK	R9WGFWK	R10WGFWK	R11WGFWK	R12WGFWK
1.Not unemp: wage not missn	5581	5006	7607	6763	5875
2.Unemp:use MR prior wage	186	210	438	473	347
3.Unemp:predicted wage fr r	29	28	461	188	69
8.Not in LF:wage=miss,no im	11612	11101	12279	11927	11466
9.InLF,not unemp:miss,no im	1061	872	1249	1203	991

Value	S1WGFWK	S2WGFWK	S3WGFWK	S4WGFWK	S5WGFWK	S6WGFWK	S7WGFWK
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
1.Not unemp: wage not missn	5829	5292	4414	5346	4632	3715	4764
2.Unemp:use MR prior wage	270	185	144	151	121	153	136
3.Unemp:predicted wage fr r	27	21	13	11	20	9	76
6.LF=miss:wage=miss,no imp		1483					
8.Not in LF:wage=miss,no im	3008	5374	6585	7579	7209	6970	6997
9.InLF,not unemp:miss,no im	766	733	759	891	748	792	999

Value	S8WGFWK	S9WGFWK	S10WGFWK	S11WGFWK	S12WGFWK
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
1.Not unemp: wage not missn	4087	3635	5277	4683	4041
2.Unemp:use MR prior wage	118	134	290	285	202
3.Unemp:predicted wage fr r	17	20	275	129	51
8.Not in LF:wage=miss,no im	6727	6248	6840	6574	6108
9.InLF,not unemp:miss,no im	786	609	831	817	629

How Constructed

RwWGIHR is the Respondent's hourly wage rate, and RwWGIWK is the weekly wage rate.

If the Respondent is working at an interview, he/she is asked how much the job pays. Usual hours per week and weeks per year are also asked. The rate of pay can be reported for various periods, e.g., per hour, per week, or per year. Weekly and hourly wage rates are calculated using the usual hours worked per week, usual weeks worked per year, and the pay rate, adjusting appropriately for the periodicity of pay reported. These variables are given as gross wages.

The wage rates are left in nominal dollars. If the Respondent is working, but is missing the wage rate for the current job, the wage rate is left as missing.

For those who are unemployed, a wage rate is imputed. The imputation method is described in more detail in the "Conceptual Variables: Wages" section earlier in this document, and uses the wage rate for the most recent job, if available. If no previous wage rate is available for an unemployed Respondent, it is imputed using predicted values from regression results. Imputations are only used for unemployed persons (RwLBRF=3). If a person is not working but does not have RwLBRF=3, or is working but missing wages, no imputations are done.

The wage rate for the most recent job held before a given interview is calculated using all available reports on past jobs. This includes job history information, reports on previous interview jobs that end, and jobs that begin and end between interviews. Hourly and weekly rates are both calculated, using the same methods used to calculate the current wage rate. The most recent non-missing wage rate is then adjusted to current wave dollars. For example, if the most recent wage rate at the 1994 interview is from 1991, then the wage rate is adjusted to 1994 dollars using CPI-U.

The RwWGIHR and RwWGIWK variables include reported hourly and weekly wages for the currently employed and imputed hourly and weekly wages for the unemployed. The RwWGFHR and RwWGFWK variables are flags that indicate whether and how the wage rates are imputed.

If the Respondent is not working then we assign SAS special missing code .W for "not working."

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWGIHR, RwWGIWK, RwWGFHR, and RwWGFWK.

Cross Wave Differences in Original HRS Data

The variables used to calculate the hourly and weekly wage rate are usual hours worked per week, usual weeks worked per year, and a pay rate. Usual hours and usual weeks are asked in all waves, and the question wording is the same across waves. The questions about pay vary in the number of places the questions are asked.

In Wave 1, the current job pay is asked if the Respondent is working. If the Respondent is not working, questions ask if he/she has ever worked, and if so, ask for the usual hours worked, usual weeks worked, and pay rate at the time he/she left the last job. If the job ended more than 20 years ago, the pay question is skipped. Whether the Respondent is working or not, information about past jobs can be obtained, including hours worked per week, weeks worked per year, and earnings in the last year with the most recent past employer.

In Wave 2A, the current job pay is asked if the Respondent is working. If the Respondent is not working, questions ask if he/she did work for pay in the last two years, and if so, ask for the usual hours worked, usual weeks worked, and pay rate at the time he/she left the last job. If the Respondent is not working or has not worked for the last two years, no questions about any other past jobs are asked.

In Wave 3A, the current job pay is asked. If the Respondent's work status or employer has changed since the last interview, questions are asked about earnings at the time he/she left the previous job. Even if it is the Respondent's first interview, no questions about other past jobs are asked.

In Wave 2H and Wave 3H and in subsequent interviews, the current job pay is asked. If the Respondent's work status or employer has changed since the last interview, questions are asked about earnings at the time he/she left the previous job. There are also questions that ask about jobs that both began and ended between the prior and current interviews. These questions obtain the hours worked per week and earnings. In addition, if it is the Respondent's first interview, information is collected about past jobs, using questions similar to those described for Wave 1.

These variables are self-reported and inconsistent values do exist in the data. For example, in Wave 2H HHIDPN=45923020 reports working 8 hours per week but reports working 40 hours per week in Wave 1 and Wave 3H. Also, in Wave 12, HHIDPN=139756010 reported an annual salary of $225,000 (OJ188) and annual business profits of $500,000 (OJ195). But they only report working one week (OJ179) for three hours (OJ172). This value is causing large outliers in R12WGIHR, S12WGIHR, R12WGIWK and S12WGIWK.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V12735          F16A:GROSS SALARY AM:IND
    V12736          F16A:GROSS SALARY FR:IND
    V12739          F16D:$/HR REG WORK  :IND
    V12743          F16H: COMMISSION AMT:IND
    V12744          F16H: COMMISSION FRE:IND
    V12748          F16M:OTHER-GROSS PAY:IND
    V12749          F16M:OTHER-GROSS FRE:IND
    V12824          F30:S-E:SALARY/WAGES:IND
    V12825          F30A:S-E SALARY AMT :IND
    V12826          F30A:S-E SALARY FREQ:IND
    V12827          F31:S-E:GET NET PROF:IND
    V12828          F31A:NET PROFITS AMT:IND
    V12829          F31A:NET PROFITS FRE:IND
    V13401          G1:  RK/PAY +FEW MOS:IND
    V13405          G3:LST JB WRK SE/OTR:IND
    V13412          G10:$GROSS PY WHEN L:IND
    V13413          G10:GROSS PAY - FREQ:IND
    V13435          G22:R/SE:REG SAL/WAG:IND
    V13437          G22A:SE:GROSS SALFRE:IND
    V13438          G23:R/SE:REC PROFITS:IND
    V13440          G23A:SE:NET EARN FRE:IND
    V13601          H1:P/WR OTR EMP 5+ Y:IND
    V13610          H10:$GROSS PAY - $  :IND
    V13611          H10:GROSS PAY - FREQ:IND
    V15905          N39A:OTHR INC   AMT :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2722           F8:WRK HRS/WK:THIS JOB
    V2726           F10:WKS/YR WORKING
    V2735           F16A:GROSS SALARY:$ :IMP
    V2736           F16A:GROSS SALARY-FR:IMP
    V2739           F16D:$/HR REG WRK TI:IMP
    V2743           F16H:GROSS COMMISSIO:IMP
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    V2744           F16H:COMMISSION FREQ:IMP
    V2748           F16M:OTHER-GROSS PAY:IMP
    V2749           F16M:OTHER-GROSS FRE:IMP
    V2817           F24:STARTING GROSS PAY-$
    V2818           F24:START GROSS-FREQ
    V2822           F28:S-E:WRK HRS/WK
    V2823           F29:S-E:WRKING WKS /YR
    V2824           F30:S-E:SALARY/WAGES:IMP
    V2825           F30A:S-E:GROSS SALAR:IMP
    V2826           F30A:S-E:SALARY FREQ:IMP
    V2827           F31:S-EMPL:GET NET P:IMP
    V2828           F31A:$ NET PROFITS  :IMP
    V2829           F31A:NET PROFITS-FRE:IMP
    V2835           F34:$ EARNED WHEN STRTED
    V2836           F34:EARNED-FREQ
    V333            B8A:SPECIAL DIET    :IMP
    V3334           F89:$ GROSS-OTHER JO:IMP
    V3401           G1:  RK/PAY +FEW MOS:IMP
    V3405           G3:LST JB WRK SE/OTR:IMP
    V3412           G10:$GROS PY-WHN LFT:IMP
    V3413           G10:GROSS PAY-FREQ  :IMP
    V3419           G14:NET SAL:$:-START
    V3435           G22:R/SE:REG SALARY/:IMP
    V3436           G22A:R/SE:GROSS SALA:IMP
    V3437           G22A:R/SE:GROSS-FREQ:IMP
    V3438           G23:R/SE:RECV PROFIT:IMP
    V3439           G23A:R/SE:NET ERN/PR:IMP
    V3440           G23A:R/SE:PROFIT-FRE:IMP
    V3443           G26:R/SE:SAL STRT JOB:$
    V3601           H1:P/WR OTR EMP 5+ Y:IMP
    V3610           H10:GROSS PAY-$     :IMP
    V3611           H10:GROSS PAY-FREQ  :IMP
    V3706           H27:1ST:PAY WHN LFT-:IMP
    V3806           H27:NXT:PAY WHN LFT-:IMP
    V4306           J43:GROSS PAY WHEN L:IMP
    V4406           J64:GROSS PAY WHEN L:IMP
    V4441           J83:GROSS PAY WHEN L:IMP
    V4509           J93:GROSS PAY WHEN L:IMP
    V53             R:STATE HRS (RECODED)
    V5905           N39A:OTHR INCME:  AM:IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1186           G6. CURR WORK: # HOURS PER WEEK
    B1187           G6A. CURR WORK: # WEEKS PER YEAR
    B1188           G7. CURR WORK: $ EARNED LAST MONTH
    B1189           G8. CURR WORK: $ EARNED 1992-1993
    B1190           G8a. CURR WORK: $ EARNED PERIOD
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1225           G16. JOB LAST 2 YRS: # HOURS PER WEEK
    B1226           G16b. JOB LAST 2 YRS: # WEEKS PER YEAR
    B1227           G17. JOB LAST 2 YRS: TOT $ EARN 1992/93
    B1228           G17a. JOB LAST 2 YRS: TOTAL $ EARNED PRD
HRS 1994:
    W15907          N2a. Imputation flag
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
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W3318	FA5.STOPPED WORKING FOR
W3319	FA5.STOPPED WORKING FOR
W3363	FA6.PAID REGULAR SALARY
W3364	FA6a.AMOUNT OF SALARY
W3365	FA6b.PER
W3366	FA7.RECEIVE ANY PROFITS?
W3367	FA7a.AMOUNT OF PROFITS
W3368	FA7b.PER
W3503	FA26.STOPPED WORKING FOR
W3504	FA26.STOPPED WORKING FOR
W3505	FA27.AMOUNT OF EARNINGS
W3506	FA27a.PER
W3617	FA44.HOURS WORK PER WEEK
W3623	FA47.NUMBER WEEKS PER YE
W3631	FA52.HOW PAID ON JOB
W3632	FA52a.AMOUNT SALARY
W3633	FA52b.PER
W3637	FA52f.HOURLY WAGE RATE
W3642	FA52m.AMOUNT PER TIME PE
W3643	FA52n.PER
W3645	FA52r.AMOUNT PAID
W3646	FA52s.AMOUNT PER TIME PE
W3663	FA59.START WORK FOR EMPL
W3664	FA60.STARTING PAY
W3665	FA60a.AMOUNT PER TIME PE
W3963	FA120.EARNINGS ON 2ND JO
W3964	FA120a.PER
W3999	FA129.WORK AFTER W1/BEFO
W4043	FA132.HOURS/WEEK WORKED
W4044	FA133.EARNINGS
W4045	FA133a.PER
W4200	FB2.STOPPED WORK FOR EMP
W4201	FB2a.STOPPED WORK FOR EM
W4202	FB3.EARNINGS BEFORE LEAV
W4203	FB3a.EARNINGS BEFORE LEA
W4313	FB17.HOURS WORK PER WEEK
W4314	FB18.WEEKS WORK PER YEAR
W4317	FB19.PAID A REGULAR SALA
W4318	FB19a.SELF-EMPLOYMENT SA
W4319	FB19b SELF-EMPLOYMENT SA
W4320	FB20.RECEIVE SOME/ALL NE
W4321	FB20a.NET EARNINGS/PROFI
W4322	FB20b.NET EARNINGS/PROFI
W4328	FB22a.STARTED S-E WORK-Y
W4329	FB23.ANY MONTHS SINCE W1
W4330	FB23a.MONTHS NOT IN BUSI
W4618	FB80.EARNINGS SECOND JOB
W4619	FB8a.EARNINGS SECOND JOB
W4654	FB89.WORK AFTER/BEFORE
W4698	FB92.HOURS/WEEK WORKED
W4699	FB93.EARNINGS AFTER/BEFO
W4700	FB93a.EARNINGS AFTER/BEF
W4800	FC2.MONTH STOPPED SELF-E
W4801	FC2a.YEAR STOPPED SELF-E
W4802	FC3.SELF-EMP PAID SALARY
W4803	FC3a.SELF-EMP SALARY AMO
W4804	FC3b.SELF-EMP SALARY AMO
W4805	FC4.SELF-EMP EARNINGS/PR
W4806	FC4a.SELF-EMP EARNINGS/P

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    W4807           FC4b.SELF-EMP EARNINGS/P
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W4899           FC16b.EARNINGS BEFORE LE
    W4900           FC16ac.EARNINGS BEFORE L
    W5038           FC47.WORK AFTER/BEFORE
    W5082           FC50.HOURS/WEEK WORKED
    W5083           FC51.EARNINGS AFTER/BEFO
    W5084           FC51a.EARNINGS AFTER/BEF
    W7021           G14.EARNINGS WHEN STARTE
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2654           GA5. MONTH STOPPED SELF-EMPL
    D2655           GA5A. YEAR STOPPED SELF-EMPL
    D2662           GA6. S-E PAID SALARY
    D2663           GA6A. S-E SALARY AMOUNT
    D2664           GA6B. S-E SALARY PER
    D2675           GA7. S-E EARNINGS/PROFITS
    D2676           GA7A. S-E ERNG/PROFIT AMOUNT
    D2677           GA7B. S-E ERNG/PROFIT AMOUNT
    D2759           GA26. MONTH STOPPED WORKING WAVE I EMPLO
    D2760           GA26A. YEAR STOPPED WORKING WAVE I EMPLO
    D2764           GA27. EARNINGS BEFORE LEAVING
    D2765           GA27A. EARNINGS BEFORE LEAVING PER
    D2836           GA44. HOURS/WEEK WORKED
    D2846           GA47. WEEKS/YEAR WORKED
    D2860           GA52. HOW PAID
    D2862           GA52A. AMOUNT SALARY
    D2863           GA52B. AMOUNT SALARY PER
    D2870           GA52F. REGULAR HOURLY WAGE
    D2880           GA52M. AMOUNT PAY
    D2881           GA52N. AMOUNT PAY PER
    D2885           GA52R. AMOUNT PAID
    D2886           GA52S. AMOUNT PAID PER
    D3110           GA117. ANY OTHER PAID WORK
    D3112           GA118. HOURS/WEEK SECOND JOBS
    D3113           GA119. WEEKS/YEAR SECOND JOBS
    D3114           GA120. EARNINGS SECOND JOBS
    D3115           GA120A. EARNINGS SECOND JOB PER
    D3188           GB2. MONTH STOPPED SELF-EMPL
    D3189           GB2A. YEAR STOPPED SELF-EMPL
    D3194           GB3. EARNINGS BEFORE LEAVING
    D3195           GB3A. EARNINGS BEFORE LEAVING PER
    D3260           GB19. S-E PAID SALARY
    D3261           GB19A. S-E SALARY AMOUNT
    D3262           GB19B. S-E SALARY PER
    D3264           GB20. S-E EARNINGS/PROFITS
    D3265           GB20A. S-E ERNG/PROFIT AMOUNT
    D3266           GB20B. S-E ERNG/PROFIT AMOUNT
    D3545           GC2. MONTH STOPPED SELF-EMPL
    D3546           GC2A. YEAR STOPPED SELF-EMPL
    D3551           GC3. S-E PAID SALARY
    D3552           GC3A. S-E SALARY AMOUNT
    D3553           GC3B. S-E SALARY PER
    D3564           GC4. S-E EARNINGS/PROFITS
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    D3565           GC4A. S-E ERNG/PROFIT AMOUNT
    D3566           GC4B. S-E ERNG/PROFIT AMOUNT
    D3639           GC16. MONTH STOPPED WORKING WAVE I EMPLO
    D3640           GC16A. YEAR STOPPED WORKING WAVE I EMPLO
    D3644           GC16B. EARNINGS BEFORE LEAVING
    D3645           GC16AC. EARNINGS BEFORE LEAVING PER
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2630           G5.STOPPED WORKING FOR SELF-MONTH
    E2631           G5A.STOPPED WORKING FOR SELF-YEAR
    E2637           G6.PAID REGULAR SALARY
    E2638           G6A.AMOUNT OF SALARY
    E2639           G6B.AMOUNT OF SALARY PER
    E2650           G7.RECEIVE ANY PROFITS?
    E2651           G7A.AMOUNT OF PROFITS
    E2652           G7B.AMOUNT OF PROFITS PER
    E2667           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    E2668           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    E2670           G27.AMOUNT OF EARNINGS WHEN LEFT
    E2671           G27A.AMOUNT OF EARNINGS WHEN LEFT PER
    E2736           G44.HOURS WORK PER WEEK
    E2746           G47.WEEKS PER YEAR USUALLY WORK
    E2756           G52.PAID REGULAR SALARY/WAGES?
    E2757           G52A.SELF-EMPLOYMENT SALARY-AMOUNT
    E2758           G52B.SELF-EMPLOYMENT SALARY-PER
    E2760           G53.RECEIVE NET EARNINGS/PROFITS
    E2761           G53A.NET EARNINGS/PROFITS-AMOUNT
    E2762           G53B.NET EARNINGS/PROFITS-PER
    E2772           G56.HOW PAID ON JOB
    E2774           G56A.AMOUNT SALARY
    E2775           G56B.AMOUNT SALARY PER
    E2781           G56F.HOURLY WAGE RATE
    E2791           G56M.AMOUNT PER TIME PERIOD
    E2792           G56N.AMOUNT PER TIME PERIOD PER
    E2796           G56R.AMOUNT PAID
    E2797           G56S.AMOUNT PAID PER
    E3019           G128.ANY OTHER PAID WORK
    E3021           G129.HOURS/WEEK ON 2ND JOB
    E3022           G130.WEEKS/YEAR ON 2ND JOB
    E3023           G131.EARNINGS ON 2ND JOB
    E3024           G131A.PER
    E3057           G141.WORK BEFORE CURRENT EMPLOYMENT
    E3059           G143.HOURS/WEEK WORKED
    E3060           G144.EARNINGS DURING WORKING MONTHS
    E3061           G144A.EARNINGS DURING WORKING MONTHS PER
    E3125           GG1.EVER WRKD FOR PAY MORE THN FEW MTHS?
    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3135           GG7.HOURS WORK PER WEEK
    E3138           GG9.WEEKS WORK PER YEAR
    E3139           GG10.EARNINGS WHEN LEFT
    E3140           GG10.EARNINGS WHEN LEFT PER
    E3325           GH1.OTHER EMPLOYER 5+ YEARS
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
    E3342           GH8.HOURS WORKED PER WEEK
    E3343           GH9.WEEKS WORKED PER YEAR
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    E3344           GH10.EARNINGS IN LAST YEAR
    E3345           GH10.PER TIME UNIT
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3141           G6.PAID REGULAR SALARY
    F3142           G6A.AMOUNT OF SALARY
    F3143           G6B.AMOUNT OF SALARY-PER
    F3154           G7.RECEIVE ANY PROFITS?
    F3155           G7A.AMOUNT OF PROFITS
    F3156           G7B.AMOUNT OF PROFITS-PER
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3191           G27.AMOUNT OF EARNINGS WHEN LEFT
    F3192           G27A.AMOUNT OF EARNINGS WHEN LEFT-PER
    F3259           G44.HOURS WORK PER WEEK
    F3269           G47.WEEKS PER YEAR USUALLY WORK
    F3279           G52.PAID REGULAR SALARY/WAGES?
    F3280           G52A.SELF-EMPLOYMENT SALARY-AMOUNT
    F3281           G52B.SELF-EMPLOYMENT SALARY-PER
    F3283           G53.RECEIVE NET EARNINGS/PROFITS
    F3284           G53A.NET EARNINGS/PROFITS-AMOUNT
    F3285           G53B.NET EARNINGS/PROFITS-PER
    F3295           G56.HOW PAID ON JOB
    F3297           G56A.AMOUNT SALARY
    F3298           G56B.AMOUNT SALARY-PER
    F3304           G56F.HOURLY WAGE RATE
    F3314           G56M.AMOUNT PER TIME PERIOD
    F3315           G56N.AMOUNT PER TIME PERIOD-PER
    F3319           G56R.AMOUNT PAID
    F3320           G56S.AMOUNT PAID-PER
    F3549           G128.ANY OTHER PAID WORK
    F3551           G129.HOURS/WEEK ON 2ND JOB
    F3552           G130.WEEKS/YEAR ON 2ND JOB
    F3553           G131.EARNINGS ON 2ND JOB
    F3554           G131A.EARNINGS ON 2ND JOB-PER
    F3589           G141.WORK BEFORE CURRENT EMPLOYMENT
    F3591           G143.HOURS/WEEK WORKED
    F3592           G144.EARNINGS
    F3593           G144A.EARNINGS-PER
    F3643           GG1.EVER WORKED FOR PAY MORE THAN FEW MT
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3653           GG7.HOURS WORK PER WEEK
    F3656           GG9.WEEKS WORK PER YEAR
    F3657           GG10.EARNINGS WHEN LEFT
    F3658           GG10.EARNINGS WHEN LEFT-PER
    F3830           GH1.OTHER EMPLOYER 5+ YEARS
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3847           GH8.HOURS WORKED PER WEEK
    F3848           GH9.WEEKS WORKED PER YEAR
    F3849           GH10.EARNINGS IN LAST YEAR
    F3850           GH10.PER TIME UNIT
HRS 2000:
    G3381           G2.WORKING FOR PAY
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    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3384           G5.STOPPED WORKING FOR SELF-MONTH
    G3385           G5A.STOPPED WORKING FOR SELF-YEAR
    G3392           G6.PAID REGULAR SALARY
    G3393           G6A.AMOUNT OF SALARY
    G3394           G6B.PER
    G3404           G7.RECEIVE ANY PROFITS?
    G3405           G7A.AMOUNT OF PROFITS
    G3406           G7B.PER
    G3437           G26.STOP WORK PREV WAVE EMPLYR-MO
    G3438           G26A.STOP WORK PREV WAVE EMPLYR-YR
    G3441           G27.AMOUNT OF EARNINGS WHEN LEFT
    G3442           G27A.PER
    G3509           G44.HOURS WORK PER WEEK
    G3519           G47.WEEKS PER YEAR USUALLY WORK
    G3539           G52.PAID REGULAR SALARY/WAGES?
    G3540           G52A.SELF-EMPLOYMENT SALARY-AMOUNT
    G3541           G52B.SELF-EMPLOYMENT SALARY-PER
    G3543           G53.RECEIVE NET EARNINGS/PROFITS
    G3544           G53A.NET EARNINGS/PROFITS-AMOUNT
    G3545           G53B.NET EARNINGS/PROFITS-PER
    G3555           G56.HOW PAID ON JOB
    G3557           G56A.AMOUNT SALARY
    G3558           G56B.PER
    G3564           G56F.HOURLY WAGE RATE
    G3574           G56M.AMOUNT PER TIME PERIOD
    G3575           G56N.PER
    G3579           G56R.AMOUNT PAID
    G3580           G56S.PER
    G3838           G128.ANY OTHER PAID WORK
    G3840           G129.HOURS/WEEK ON 2ND JOB
    G3841           G130.WEEKS/YEAR ON 2ND JOB
    G3842           G131.EARNINGS ON 2ND JOB
    G3843           G131A.PER
    G3877           G141.WORK BEFORE CURRENT EMPLOYMENT
    G3879           G143.HOURS/WEEK WORKED
    G3880           G144.EARNINGS
    G3881           G144A.PER
    G3953           GG1.WORK FOR PAY MORE THAN FEW MOS
    G3954           GG1A1.LAST WORKED WHEN-YEAR
    G3955           GG1A2.LAST WORKED WHEN-YEARS AGO
    G3963           GG7.HOURS WORK PER WEEK
    G3966           GG9.WEEKS WORK PER YEAR
    G3967           GG10.EARNINGS WHEN LEFT
    G3968           GG10Y1. PER
    G4092           GH1.OTHER EMPLOYER 5+ YEARS
    G4104           GH7.LEFT EMPLOYER-YEAR
    G4105           GH7Y1. LEFT EMPLOYER-YEARS AGO
    G4106           GH7Y2. LEFT EMPLOYER-AGE
    G4109           GH8.HOURS WORKED PER WEEK
    G4110           GH9.WEEKS WORKED PER YEAR
    G4111           GH10.EARNINGS IN LAST YEAR
    G4112           GH10Y1. PER TIME UNIT
HRS 2002:
    HJ020           WORKING FOR PAY
    HJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    HJ023           STOPPED WORKING FOR SLF-MO
    HJ024           STOPPED WORKING FOR SLF- YR
    HJ031           PAID REGULAR SALARY
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    HJ032           AMOUNT OF SALARY
    HJ036           AMOUNT OF SALARY PER
    HJ038           RECEIVE ANY PROFITS
    HJ039           AMOUNT OF NET PROFITS/EARNINGS
    HJ043           AMOUNT OF NET PROFITS/EARNINGS PER
    HJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    HJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    HJ067           AMOUNT EARNING WHEN LEFT
    HJ071           AMOUNT EARNING WHEN LEFT - PER
    HJ172           HRS WORK PER WEEK
    HJ179           WKS PR YR USUALLY WORK
    HJ187           PAID REGULAR SALARY/WAGES
    HJ188           SELF-EMPLOYMENT SALARY AMOUNT
    HJ192           SELF-EMPLOYMENT SALARY AMOUNT PER
    HJ194           REC NET EARNINGS/PROFITS
    HJ195           AMT NET EARNINGS/PROFITS
    HJ199           AMT NET EARNINGS/PROFITS PER
    HJ205           HOW PAID ON JOB
    HJ206           AMOUNT OF SALARY ON JOB
    HJ210           AMOUNT OF SALARY ON JOB PER
    HJ216           HRLY WAGE RATE
    HJ225           AMOUNT PAID FOR OVERTIME
    HJ226           AMOUNT PAID FOR OVERTIME PER
    HJ230           AMOUNT PAID- OTHER
    HJ231           AMOUNT PAID- OTHER- PER
    HJ553           ANY OTR PAID WORK
    HJ556           HRS/WK ON 2ND JOB
    HJ557           WKS/YR ON 2ND JOB
    HJ558           EARNINGS ON SECOND JOB
    HJ562           EARNINGS ON SECOND JOB - PER
    HJ596           WORK BEFORE CURRENT EMPLYMNT
    HJ599           HRS/WK-WORKED BEFORE CURRENT EMPLYMNT
    HJ600           EARNINGS-WORK BEFORE CURRENT EMPLYMNT
    HJ604           WORK B/F CURRENT EMPLYMNT-EARNINGS- PER
    HK001           WORK FOR PAY MORE THAN FEW MOS
    HK002           LAST WRKED WHEN-YR
    HK003           LAST WRKED WHEN-YRS AGO
    HK008           HRS WRK PR WK
    HK011           WKS WRK PR YR
    HK013           EARNINGS WHEN LEFT- PER
    HL005           OTR EMPLOYER 5+ YRS
    HL016           LEFT EMPLOYER-YR
    HL017           LEFT EMPLOYER-YRS AGO
    HL018           LEFT EMPLOYER- AT AGE
    HL020           HRS WRKED PR WK
    HL021           WKS WRKED PR YR
    HL022           EARNING IN LAST YR
    HL023           EARNING IN LAST YR- PER
HRS 2004:
    JJ020           WORKING FOR PAY
    JJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    JJ023           STOPPED WORKING FOR SLF-MO
    JJ024           STOPPED WORKING FOR SLF- YR
    JJ031           PAID REGULAR SALARY
    JJ032           AMOUNT OF SALARY
    JJ036           AMOUNT OF SALARY PER
    JJ038           RECEIVE ANY PROFITS
    JJ039           AMOUNT OF NET PROFITS/EARNINGS
    JJ043           AMOUNT OF NET PROFITS/EARNINGS PER
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    JJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    JJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    JJ067           AMOUNT EARNING WHEN LEFT
    JJ071           AMOUNT EARNING WHEN LEFT - PER
    JJ172           HRS WORK PER WEEK
    JJ179           WKS PR YR USUALLY WORK
    JJ187           PAID REGULAR SALARY/WAGES
    JJ188           SELF-EMPLOYMENT SALARY AMOUNT
    JJ192           SELF-EMPLOYMENT SALARY AMOUNT PER
    JJ194           REC NET EARNINGS/PROFITS
    JJ195           AMT NET EARNINGS/PROFITS
    JJ199           AMT NET EARNINGS/PROFITS PER
    JJ205           HOW PAID ON JOB
    JJ206           AMOUNT OF SALARY ON JOB
    JJ210           AMOUNT OF SALARY ON JOB PER
    JJ216           HRLY WAGE RATE
    JJ225           AMOUNT PAID FOR OVERTIME
    JJ226           AMOUNT PAID FOR OVERTIME PER
    JJ230           AMOUNT PAID- OTHER
    JJ231           AMOUNT PAID- OTHER- PER
    JJ553           ANY OTR PAID WORK
    JJ556           HRS/WK ON 2ND JOB
    JJ557           WKS/YR ON 2ND JOB
    JJ558           EARNINGS ON SECOND JOB
    JJ562           EARNINGS ON SECOND JOB - PER
    JJ596           WORK BEFORE CURRENT EMPLYMNT
    JJ599           HRS/WK-WORKED BEFORE CURRENT EMPLYMNT
    JJ600           EARNINGS-WORK BEFORE CURRENT EMPLYMNT
    JJ604           EARNINGS WORK BEFORE CURRENT EMP - PER
    JK003           WORK FOR PAY MORE THAN FEW MOS
    JK004           LAST WRKED WHEN-YR
    JK005           LAST WRKED WHEN-YRS AGO
    JK011           HRS WRK PR WK
    JK014           WKS WRK PR YR
    JK016           EARNINGS WHEN LEFT- PER
    JL005           OTR EMPLOYER 5+ YRS
    JL016           LEFT EMPLOYER-YR
    JL017           LEFT EMPLOYER-YRS AGO
    JL018           LEFT EMPLOYER- AT AGE
    JL020           HRS WRKED PR WK
    JL021           WKS WRKED PR YR
    JL022           EARNING IN LAST YR
    JL023           EARNING IN LAST YR- PER
HRS 2006:
    KJ020           WORKING FOR PAY
    KJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    KJ023           STOPPED WORKING FOR SLF-MO
    KJ024           STOPPED WORKING FOR SLF- YR
    KJ031           PAID REGULAR SALARY
    KJ032           AMOUNT OF SALARY
    KJ036           AMOUNT OF SALARY PER
    KJ038           RECEIVE ANY PROFITS
    KJ039           AMOUNT OF NET PROFITS/EARNINGS
    KJ043           AMOUNT OF NET PROFITS/EARNINGS PER
    KJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    KJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    KJ067           AMOUNT EARNING WHEN LEFT
    KJ071           AMOUNT EARNING WHEN LEFT - PER
    KJ172           HRS WORK PER WEEK
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    KJ179           WKS PR YR USUALLY WORK
    KJ187           PAID REGULAR SALARY/WAGES
    KJ188           SELF-EMPLOYMENT SALARY AMOUNT
    KJ192           SELF-EMPLOYMENT SALARY AMOUNT PER
    KJ194           REC NET EARNINGS/PROFITS
    KJ195           AMT NET EARNINGS/PROFITS
    KJ199           AMT NET EARNINGS/PROFITS PER
    KJ205           HOW PAID ON JOB
    KJ206           AMOUNT OF SALARY ON JOB
    KJ210           AMOUNT OF SALARY ON JOB PER
    KJ216           HRLY WAGE RATE
    KJ225           AMOUNT PAID FOR OVERTIME
    KJ226           AMOUNT PAID FOR OVERTIME PER
    KJ230           AMOUNT PAID- OTHER
    KJ231           AMOUNT PAID- OTHER- PER
    KJ553           ANY OTR PAID WORK
    KJ556           HRS/WK ON 2ND JOB
    KJ557           WKS/YR ON 2ND JOB
    KJ558           EARNINGS ON SECOND JOB
    KJ562           EARNINGS ON SECOND JOB - PER
    KJ596           WORK BEFORE CURRENT EMPLYMNT
    KJ599           HRS/WK-WORKED BEFORE CURRENT EMPLYMNT
    KJ600           EARNINGS-WORK BEFORE CURRENT EMPLYMNT
    KJ604           EARNINGS WORK BEFORE CURRENT EMP - PER
    KK003           WORK FOR PAY MORE THAN FEW MOS
    KK004           LAST WRKED WHEN-YR
    KK005           LAST WRKED WHEN-YRS AGO
    KK011           HRS WRK PR WK
    KK014           WKS WRK PR YR
    KK016           EARNINGS WHEN LEFT- PER
    KL005           OTR EMPLOYER 5+ YRS
    KL016           LEFT EMPLOYER-YR
    KL017           LEFT EMPLOYER-YRS AGO
    KL018           LEFT EMPLOYER- AT AGE
    KL020           HRS WRKED PR WK
    KL021           WKS WRKED PR YR
    KL022           EARNING IN LAST YR
    KL023           EARNING IN LAST YR- PER
HRS 2008:
    LJ020           WORKING FOR PAY
    LJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    LJ023           STOPPED WORKING FOR SLF-MO
    LJ024           STOPPED WORKING FOR SLF- YR
    LJ031           PAID REGULAR SALARY
    LJ032           AMOUNT OF SALARY
    LJ036           AMOUNT OF SALARY PER
    LJ038           RECEIVE ANY PROFITS
    LJ039           AMOUNT OF NET PROFITS/EARNINGS
    LJ043           AMOUNT OF NET PROFITS/EARNINGS PER
    LJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    LJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    LJ067           AMOUNT EARNING WHEN LEFT
    LJ071           AMOUNT EARNING WHEN LEFT - PER
    LJ172           HRS WORK PER WEEK
    LJ179           WKS PR YR USUALLY WORK
    LJ187           PAID REGULAR SALARY/WAGES
    LJ188           SELF-EMPLOYMENT SALARY AMOUNT
    LJ192           SELF-EMPLOYMENT SALARY AMOUNT PER
    LJ194           REC NET EARNINGS/PROFITS
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    LJ195           AMT NET EARNINGS/PROFITS
    LJ199           AMT NET EARNINGS/PROFITS PER
    LJ205           HOW PAID ON JOB
    LJ206           AMOUNT OF SALARY ON JOB
    LJ210           AMOUNT OF SALARY ON JOB PER
    LJ216           HRLY WAGE RATE
    LJ225           AMOUNT PAID FOR OVERTIME
    LJ226           AMOUNT PAID FOR OVERTIME PER
    LJ230           AMOUNT PAID- OTHER
    LJ231           AMOUNT PAID- OTHER- PER
    LJ553           ANY OTR PAID WORK
    LJ556           HRS/WK ON 2ND JOB
    LJ557           WKS/YR ON 2ND JOB
    LJ558           EARNINGS ON SECOND JOB
    LJ562           EARNINGS ON SECOND JOB - PER
    LJ596           WORK BEFORE CURRENT EMPLYMNT
    LJ599           HRS/WK-WORKED BEFORE CURRENT EMPLYMNT
    LJ600           EARNINGS-WORK BEFORE CURRENT EMPLYMNT
    LJ604           EARNINGS WORK BEFORE CURRENT EMP - PER
    LK003           WORK FOR PAY MORE THAN FEW MOS
    LK004           LAST WRKED WHEN-YR
    LK005           LAST WRKED WHEN-YRS AGO
    LK011           HRS WRK PR WK
    LK014           WKS WRK PR YR
    LK016           EARNINGS WHEN LEFT- PER
    LL005           OTR EMPLOYER 5+ YRS
    LL016           LEFT EMPLOYER-YR
    LL017           LEFT EMPLOYER-YRS AGO
    LL018           LEFT EMPLOYER- AT AGE
    LL020           HRS WRKED PR WK
    LL021           WKS WRKED PR YR
    LL022           EARNING IN LAST YR
    LL023           EARNING IN LAST YR- PER
HRS 2010:
    MJ020           WORKING FOR PAY
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    MJ023           STOPPED WORKING FOR SLF-MO
    MJ024           STOPPED WORKING FOR SLF- YR
    MJ031           PAID REGULAR SALARY
    MJ032           AMOUNT OF SALARY
    MJ036           AMOUNT OF SALARY PER
    MJ038           RECEIVE ANY PROFITS
    MJ039           AMOUNT OF NET PROFITS/EARNINGS
    MJ043           AMOUNT OF NET PROFITS/EARNINGS PER
    MJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    MJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    MJ067           AMOUNT EARNING WHEN LEFT
    MJ071           AMOUNT EARNING WHEN LEFT - PER
    MJ172           HRS WORK PER WEEK
    MJ179           WKS PR YR USUALLY WORK
    MJ187           PAID REGULAR SALARY/WAGES
    MJ188           SELF-EMPLOYMENT SALARY AMOUNT
    MJ192           SELF-EMPLOYMENT SALARY AMOUNT PER
    MJ194           REC NET EARNINGS/PROFITS
    MJ195           AMT NET EARNINGS/PROFITS
    MJ199           AMT NET EARNINGS/PROFITS PER
    MJ205           HOW PAID ON JOB
    MJ206           AMOUNT OF SALARY ON JOB
    MJ210           AMOUNT OF SALARY ON JOB PER
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    MJ216           HRLY WAGE RATE
    MJ225           AMOUNT PAID FOR OVERTIME
    MJ226           AMOUNT PAID FOR OVERTIME PER
    MJ230           AMOUNT PAID- OTHER
    MJ231           AMOUNT PAID- OTHER- PER
    MJ553           ANY OTR PAID WORK
    MJ556           HRS/WK ON 2ND JOB
    MJ557           WKS/YR ON 2ND JOB
    MJ558           EARNINGS ON SECOND JOB
    MJ562           EARNINGS ON SECOND JOB - PER
    MJ596           WORK BEFORE CURRENT EMPLYMNT
    MJ599           HRS/WK-WORKED BEFORE CURRENT EMPLYMNT
    MJ600           EARNINGS-WORK BEFORE CURRENT EMPLYMNT
    MJ604           EARNINGS WORK BEFORE CURRENT EMP - PER
    MK003           WORK FOR PAY MORE THAN FEW MOS
    MK004           LAST WRKED WHEN-YR
    MK005           LAST WRKED WHEN-YRS AGO
    MK011           HRS WRK PR WK
    MK014           WKS WRK PR YR
    MK016           EARNINGS WHEN LEFT- PER
    ML005           OTR EMPLOYER 5+ YRS
    ML016           LEFT EMPLOYER-YR
    ML017           LEFT EMPLOYER-YRS AGO
    ML018           LEFT EMPLOYER- AT AGE
    ML020           HRS WRKED PR WK
    ML021           WKS WRKED PR YR
    ML022           EARNING IN LAST YR
    ML023           EARNING IN LAST YR- PER
HRS 2012:
    NJ020           WORKING FOR PAY
    NJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    NJ023           STOPPED WORKING FOR SLF-MO
    NJ024           STOPPED WORKING FOR SLF- YR
    NJ031           PAID REGULAR SALARY
    NJ032           AMOUNT OF SALARY
    NJ036           AMOUNT OF SALARY PER
    NJ038           RECEIVE ANY PROFITS
    NJ039           AMOUNT OF NET PROFITS/EARNINGS
    NJ043           AMOUNT OF NET PROFITS/EARNINGS PER
    NJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    NJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    NJ067           AMOUNT EARNING WHEN LEFT
    NJ071           AMOUNT EARNING WHEN LEFT - PER
    NJ172           HRS WORK PER WEEK
    NJ179           WKS PR YR USUALLY WORK
    NJ187           PAID REGULAR SALARY/WAGES
    NJ188           SELF-EMPLOYMENT SALARY AMOUNT
    NJ192           SELF-EMPLOYMENT SALARY AMOUNT PER
    NJ194           REC NET EARNINGS/PROFITS
    NJ195           AMT NET EARNINGS/PROFITS
    NJ199           AMT NET EARNINGS/PROFITS PER
    NJ205           HOW PAID ON JOB
    NJ206           AMOUNT OF SALARY ON JOB
    NJ210           AMOUNT OF SALARY ON JOB PER
    NJ216           HRLY WAGE RATE
    NJ225           AMOUNT PAID FOR OVERTIME
    NJ226           AMOUNT PAID FOR OVERTIME PER
    NJ230           AMOUNT PAID- OTHER
    NJ231           AMOUNT PAID- OTHER- PER
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    NJ553           ANY OTR PAID WORK
    NJ556           HRS/WK ON 2ND JOB
    NJ557           WKS/YR ON 2ND JOB
    NJ558           EARNINGS ON SECOND JOB
    NJ562           EARNINGS ON SECOND JOB - PER
    NJ596           WORK BEFORE CURRENT EMPLYMNT
    NJ599           HRS/WK-WORKED BEFORE CURRENT EMPLYMNT
    NJ600           EARNINGS-WORK BEFORE CURRENT EMPLYMNT
    NJ604           EARNINGS WORK BEFORE CURRENT EMP - PER
    NK003           WORK FOR PAY MORE THAN FEW MOS
    NK004           LAST WRKED WHEN-YR
    NK005           LAST WRKED WHEN-YRS AGO
    NK011           HRS WRK PR WK
    NK014           WKS WRK PR YR
    NK016           EARNINGS WHEN LEFT- PER
    NL005           OTR EMPLOYER 5+ YRS
    NL016           LEFT EMPLOYER-YR
    NL017           LEFT EMPLOYER-YRS AGO
    NL018           LEFT EMPLOYER- AT AGE
    NL020           HRS WRKED PR WK
    NL021           WKS WRKED PR YR
    NL022           EARNING IN LAST YR
    NL023           EARNING IN LAST YR- PER
HRS 2014:
    OJ020           WORKING FOR PAY
    OJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    OJ023           STOPPED WORKING FOR SLF-MO
    OJ024           STOPPED WORKING FOR SLF- YR
    OJ031           PAID REGULAR SALARY
    OJ032           AMOUNT OF SALARY
    OJ036           AMOUNT OF SALARY PER
    OJ038           RECEIVE ANY PROFITS
    OJ039           AMOUNT OF NET PROFITS/EARNINGS
    OJ043           AMOUNT OF NET PROFITS/EARNINGS PER
    OJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    OJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    OJ067           AMOUNT EARNING WHEN LEFT
    OJ071           AMOUNT EARNING WHEN LEFT - PER
    OJ172           HRS WORK PER WEEK
    OJ179           WKS PR YR USUALLY WORK
    OJ187           PAID REGULAR SALARY/WAGES
    OJ188           SELF-EMPLOYMENT SALARY AMOUNT
    OJ192           SELF-EMPLOYMENT SALARY AMOUNT PER
    OJ194           REC NET EARNINGS/PROFITS
    OJ195           AMT NET EARNINGS/PROFITS
    OJ199           AMT NET EARNINGS/PROFITS PER
    OJ205           HOW PAID ON JOB
    OJ206           AMOUNT OF SALARY ON JOB
    OJ210           AMOUNT OF SALARY ON JOB PER
    OJ216           HRLY WAGE RATE
    OJ225           AMOUNT PAID FOR OVERTIME
    OJ226           AMOUNT PAID FOR OVERTIME PER
    OJ230           AMOUNT PAID- OTHER
    OJ231           AMOUNT PAID- OTHER- PER
    OJ553           ANY OTR PAID WORK
    OJ556           HRS/WK ON 2ND JOB
    OJ557           WKS/YR ON 2ND JOB
    OJ558           EARNINGS ON SECOND JOB
    OJ562           EARNINGS ON SECOND JOB - PER
```

OJ596	WORK BEFORE CURRENT EMPLYMNT
OJ599	HRS/WK-WORKED BEFORE CURRENT EMPLYMNT
OJ600	EARNINGS-WORK BEFORE CURRENT EMPLYMNT
OJ604	EARNINGS WORK BEFORE CURRENT EMP - PER
OK003	WORK FOR PAY MORE THAN FEW MOS
OK004	LAST WRKED WHEN-YR
OK005	LAST WRKED WHEN-YRS AGO
OK011	HRS WRK PR WK
OK014	WKS WRK PR YR
OK016	EARNINGS WHEN LEFT- PER
OL005	OTR EMPLOYER 5+ YRS
OL016	LEFT EMPLOYER-YR
OL017	LEFT EMPLOYER-YRS AGO
OL018	LEFT EMPLOYER- AT AGE
OL020	HRS WRKED PR WK
OL021	WKS WRKED PR YR
OL022	EARNING IN LAST YR
OL023	EARNING IN LAST YR- PER

Current job requires lots of physical effort

Wave	Variable	Label	Type
1	R1JPHYS	R1JPHYS:W1 Cur job req lots phys effort	Categ
2	R2JPHYS	R2JPHYS:W2 Cur job req lots phys effort	Categ
3	R3JPHYS	R3JPHYS:W3 Cur job req lots phys effort	Categ
4	R4JPHYS	R4JPHYS:W4 Cur job req lots phys effort	Categ
5	R5JPHYS	R5JPHYS:W5 Cur job req lots phys effort	Categ
6	R6JPHYS	R6JPHYS:W6 Cur job req lots phys effort	Categ
7	R7JPHYS	R7JPHYS:W7 Cur job req lots phys effort	Categ
8	R8JPHYS	R8JPHYS:W8 Cur job req lots phys effort	Categ
9	R9JPHYS	R9JPHYS:W9 Cur job req lots phys effort	Categ
10	R10JPHYS	R10JPHYS:W10 Cur job req lots phys effort	Categ
11	R11JPHYS	R11JPHYS:W11 Cur job req lots phys effort	Categ
12	R12JPHYS	R12JPHYS:W12 Cur job req lots phys effort	Categ
1	S1JPHYS	S1JPHYS:W1 Cur job req lots phys effort	Categ
2	S2JPHYS	S2JPHYS:W2 Cur job req lots phys effort	Categ
3	S3JPHYS	S3JPHYS:W3 Cur job req lots phys effort	Categ
4	S4JPHYS	S4JPHYS:W4 Cur job req lots phys effort	Categ
5	S5JPHYS	S5JPHYS:W5 Cur job req lots phys effort	Categ
6	S6JPHYS	S6JPHYS:W6 Cur job req lots phys effort	Categ
7	S7JPHYS	S7JPHYS:W7 Cur job req lots phys effort	Categ
8	S8JPHYS	S8JPHYS:W8 Cur job req lots phys effort	Categ
9	S9JPHYS	S9JPHYS:W9 Cur job req lots phys effort	Categ
10	S10JPHYS	S10JPHYS:W10 Cur job req lots phys effort	Categ
11	S11JPHYS	S11JPHYS:W11 Cur job req lots phys effort	Categ
12	S12JPHYS	S12JPHYS:W12 Cur job req lots phys effort	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JPHYS	8316	2.69	1.13	1.0	4.0
R2JPHYS	6981	2.72	1.12	1.0	4.0
R3JPHYS	6469	2.77	1.11	1.0	4.0
R4JPHYS	7913	2.82	1.11	1.0	4.0
R5JPHYS	6847	2.86	1.11	1.0	4.0
R6JPHYS	5832	2.87	1.11	1.0	4.0
R7JPHYS	7423	2.82	1.13	1.0	4.0
R8JPHYS	6304	2.83	1.12	1.0	4.0
R9JPHYS	5670	2.87	1.13	1.0	5.0
R10JPHYS	8556	2.73	1.14	1.0	5.0
R11JPHYS	7667	2.75	1.14	1.0	5.0
R12JPHYS	6611	2.76	1.12	1.0	5.0
S1JPHYS	6561	2.71	1.13	1.0	4.0
S2JPHYS	5446	2.74	1.12	1.0	4.0
S3JPHYS	4919	2.78	1.11	1.0	4.0
S4JPHYS	5829	2.84	1.10	1.0	4.0
S5JPHYS	5071	2.87	1.11	1.0	4.0
S6JPHYS	4291	2.88	1.11	1.0	4.0
S7JPHYS	5383	2.83	1.13	1.0	4.0
S8JPHYS	4567	2.84	1.12	1.0	4.0
S9JPHYS	4074	2.89	1.12	1.0	5.0
S10JPHYS	5859	2.76	1.13	1.0	5.0
S11JPHYS	5267	2.76	1.13	1.0	5.0
S12JPHYS	4476	2.79	1.12	1.0	5.0

Categorical Variable Codes

Value	R1JPHYS	R2JPHYS	R3JPHYS	R4JPHYS	R5JPHYS	R6JPHYS	R7JPHYS
.D=DK/NA	3	4	5	3	3	3	2
.M=Oth missing	14	25	125	171	129	32	113
.P=No info prior wv (proxy/			170	91	50	6	3
.Q=Not asked this/prv wv		8222					
.R=RF	51	8	10	13	9	6	5
.S=Skip,proxy IW		43	91	250	202	204	318
.W=Skip,not working	4268	4359	11121	12943	12339	12082	12265
1.All/almost all the time	1811	1453	1255	1492	1227	1085	1501
2.Most of the time	1580	1312	1161	1268	1044	794	1026
3.Some of the time	2337	1974	1871	2315	2010	1753	2213
4.None/almost none of time	2588	2242	2182	2838	2566	2200	2683

Value	R8JPHYS	R9JPHYS	R10JPHYS	R11JPHYS	R12JPHYS
.D=DK/NA	1	2	1	5	7
.M=Oth missing	176	106	343	225	192
.P=No info prior wv (proxy/		1	1		
.R=RF		5	2	1	2
.S=Skip,proxy IW	174	112	161	111	89
.W=Skip,not working	11814	11321	12970	12545	11847
1.All/almost all the time	1223	1036	1874	1607	1307
2.Most of the time	891	829	1366	1288	1182
3.Some of the time	1919	1747	2548	2248	1908
4.None/almost none of time	2271	1970	2720	2478	2187
5.Does not apply		88	48	46	27

Value	S1JPHYS	S2JPHYS	S3JPHYS	S4JPHYS	S5JPHYS	S6JPHYS	S7JPHYS
.D=DK/NA	2	3	4	3	2	1	1
.M=Oth missing	5	11	54	106	86	17	67
.P=No info prior wv (proxy/			115	64	33	6	3
.Q=Not asked this/prv wv		4549					
.R=RF	32	7	8	8	4	6	4
.S=Skip,proxy IW		38	88	237	193	194	312
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Skip,not working	3300	3234	6727	7731	7341	7124	7202
1.All/almost all the time	1386	1088	931	1053	901	783	1063
2.Most of the time	1239	1020	877	937	770	585	747
3.Some of the time	1849	1562	1456	1725	1483	1300	1601
4.None/almost none of time	2087	1776	1655	2114	1917	1623	1972

Value	S8JPHYS	S9JPHYS	S10JPHYS	S11JPHYS	S12JPHYS
.D=DK/NA		1	1	4	3
.M=Oth missing	139	67	210	134	115
.P=No info prior wv (proxy/		1	1		
.R=RF		2	1		1
.S=Skip,proxy IW	170	108	155	108	87
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
1.All/almost all the time	873	713	1230	1063	853
2.Most of the time	650	596	918	891	782
3.Some of the time	1378	1252	1790	1566	1303
4.None/almost none of time	1666	1451	1888	1718	1525
5.Does not apply		62	33	29	13

How Constructed

RwJPHYS indicates the extent to which the Respondent says his/her job requires lots of physical effort.

RwJPHYS simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about physical effort at a job. So for the AHEAD Respondents, R2JPHYS is set to the .Q SAS special missing value, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJPHYS.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires lots of physical effort.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or W2a, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

```
HRS 1992:
    V3301           F82A:JB RQR PHYSICL EFRT
HRS 1994:
    W3943           FA115a.PHYSICAL EFFORT
    W4601           FB75a.JOB REQUIRES PHYSI
AHEAD 1995:
    D3091           GA115A. PHYSICAL EFFORT
    D3455           GB75A. PHYSICAL EFFORT
HRS 1996:
    E3004           G126A.PHYSICAL EFFORT
HRS 1998:
    F3533           G126A.PHYSICAL EFFORT
HRS 2000:
    G3821           G126A.PHYSICAL EFFORT
HRS 2002:
    HJ538           PHYSICAL EFFORT
HRS 2004:
    JJ538           PHYSICAL EFFORT
HRS 2006:
    KJ538           PHYSICAL EFFORT
HRS 2008:
    LJ538           PHYSICAL EFFORT
HRS 2010:
    MJ538           PHYSICAL EFFORT
HRS 2012:
    NJ538           PHYSICAL EFFORT
HRS 2014:
    OJ538           PHYSICAL EFFORT
```

Current job requires lifting heavy loads

Wave	Variable	Label	Type
1	R1JLIFT	R1JLIFT:W1 Cur job req lift heavy loads	Categ
2	R2JLIFT	R2JLIFT:W2 Cur job req lift heavy loads	Categ
3	R3JLIFT	R3JLIFT:W3 Cur job req lift heavy loads	Categ
4	R4JLIFT	R4JLIFT:W4 Cur job req lift heavy loads	Categ
5	R5JLIFT	R5JLIFT:W5 Cur job req lift heavy loads	Categ
6	R6JLIFT	R6JLIFT:W6 Cur job req lift heavy loads	Categ
7	R7JLIFT	R7JLIFT:W7 Cur job req lift heavy loads	Categ
8	R8JLIFT	R8JLIFT:W8 Cur job req lift heavy loads	Categ
9	R9JLIFT	R9JLIFT:W9 Cur job req lift heavy loads	Categ
10	R10JLIFT	R10JLIFT:W10 Cur job req lift heavy loads	Categ
11	R11JLIFT	R11JLIFT:W11 Cur job req lift heavy loads	Categ
12	R12JLIFT	R12JLIFT:W12 Cur job req lift heavy loads	Categ
1	S1JLIFT	S1JLIFT:W1 Cur job req lift heavy loads	Categ
2	S2JLIFT	S2JLIFT:W2 Cur job req lift heavy loads	Categ
3	S3JLIFT	S3JLIFT:W3 Cur job req lift heavy loads	Categ
4	S4JLIFT	S4JLIFT:W4 Cur job req lift heavy loads	Categ
5	S5JLIFT	S5JLIFT:W5 Cur job req lift heavy loads	Categ
6	S6JLIFT	S6JLIFT:W6 Cur job req lift heavy loads	Categ
7	S7JLIFT	S7JLIFT:W7 Cur job req lift heavy loads	Categ
8	S8JLIFT	S8JLIFT:W8 Cur job req lift heavy loads	Categ
9	S9JLIFT	S9JLIFT:W9 Cur job req lift heavy loads	Categ
10	S10JLIFT	S10JLIFT:W10 Cur job req lift heavy loads	Categ
11	S11JLIFT	S11JLIFT:W11 Cur job req lift heavy loads	Categ
12	S12JLIFT	S12JLIFT:W12 Cur job req lift heavy loads	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLIFT	8321	3.28	0.96	1.0	4.0
R2JLIFT	6983	3.32	0.93	1.0	4.0
R3JLIFT	6469	3.38	0.89	1.0	4.0
R4JLIFT	7914	3.38	0.90	1.0	4.0
R5JLIFT	6850	3.42	0.87	1.0	4.0
R6JLIFT	5831	3.42	0.91	1.0	4.0
R7JLIFT	7423	3.37	0.94	1.0	4.0
R8JLIFT	6305	3.38	0.93	1.0	4.0
R9JLIFT	5671	3.42	0.97	1.0	5.0
R10JLIFT	8555	3.32	0.99	1.0	5.0
R11JLIFT	7670	3.34	0.98	1.0	5.0
R12JLIFT	6615	3.35	0.96	1.0	5.0
S1JLIFT	6566	3.28	0.95	1.0	4.0
S2JLIFT	5448	3.32	0.92	1.0	4.0
S3JLIFT	4918	3.36	0.89	1.0	4.0
S4JLIFT	5830	3.37	0.91	1.0	4.0
S5JLIFT	5073	3.40	0.88	1.0	4.0
S6JLIFT	4291	3.41	0.90	1.0	4.0
S7JLIFT	5383	3.36	0.94	1.0	4.0
S8JLIFT	4567	3.36	0.94	1.0	4.0
S9JLIFT	4074	3.42	0.95	1.0	5.0
S10JLIFT	5859	3.31	0.98	1.0	5.0
S11JLIFT	5270	3.32	0.98	1.0	5.0
S12JLIFT	4477	3.34	0.96	1.0	5.0

Categorical Variable Codes

Value	R1JLIFT	R2JLIFT	R3JLIFT	R4JLIFT	R5JLIFT	R6JLIFT	R7JLIFT
.D=DK/NA	1	2	5	3	1	3	2
.M=Oth missing	14	25	125	171	129	32	113
.P=No info prior wv (proxy/			170	91	50	6	3
.Q=Not asked this/prv wv		8222					
.R=RF	48	8	10	12	8	7	5
.S=Skip,proxy IW		43	91	250	202	204	318
.W=Skip,not working	4268	4359	11121	12943	12339	12082	12265
1.All/almost all the time	777	576	458	599	463	452	668
2.Most of the time	663	515	440	496	397	323	436
3.Some of the time	2347	1960	1773	2082	1791	1386	1792
4.None/almost none of time	4534	3932	3798	4737	4199	3670	4527

Value	R8JLIFT	R9JLIFT	R10JLIFT	R11JLIFT	R12JLIFT
.D=DK/NA		1	3	2	4
.M=Oth missing	176	106	343	225	192
.P=No info prior wv (proxy/		1	1		
.R=RF		5	1	1	1
.S=Skip,proxy IW	174	112	161	111	89
.W=Skip,not working	11814	11321	12970	12545	11847
1.All/almost all the time	523	455	826	715	558
2.Most of the time	397	350	585	501	462
3.Some of the time	1556	1439	2377	2106	1801
4.None/almost none of time	3829	3193	4578	4170	3670
5.Does not apply		234	189	178	124

Value	S1JLIFT	S2JLIFT	S3JLIFT	S4JLIFT	S5JLIFT	S6JLIFT	S7JLIFT
.D=DK/NA	1	2	5	2		1	1
.M=Oth missing	5	11	54	106	86	17	67
.P=No info prior wv (proxy/			115	64	33	6	3
.Q=Not asked this/prv wv		4549					
.R=RF	28	6	8	8	4	6	4
.S=Skip,proxy IW		38	88	237	193	194	312
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Skip,not working	3300	3234	6727	7731	7341	7124	7202
1.All/almost all the time	595	428	351	443	354	331	482
2.Most of the time	530	417	344	387	313	240	322
3.Some of the time	1902	1571	1386	1551	1341	1057	1341
4.None/almost none of time	3539	3032	2837	3449	3065	2663	3238

Value	S8JLIFT	S9JLIFT	S10JLIFT	S11JLIFT	S12JLIFT
.D=DK/NA		1	1	1	2
.M=Oth missing	139	67	210	134	115
.P=No info prior wv (proxy/		1	1		
.R=RF		2	1		1
.S=Skip,proxy IW	170	108	155	108	87
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
1.All/almost all the time	388	315	567	507	384
2.Most of the time	309	254	402	352	322
3.Some of the time	1140	1048	1649	1437	1218
4.None/almost none of time	2730	2312	3137	2880	2483
5.Does not apply		145	104	94	70

How Constructed

RwJLIFT indicates the extent to which the Respondent says his/her job requires lifting heavy loads.

RwJLIFT simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about lifting heavy loads at a job. So for the AHEAD Respondents, R2JLIFT is set to the .Q SAS special missing value, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLIFT.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires lifting heavy loads.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or W2A, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

```
HRS 1992:
    V3302           F82B:JB LFTING HVY LDS
HRS 1994:
    W3944           FA115b.LIFTING HEAVY LOA
    W4602           FB75b.JOB REQUIRES LIFTI
AHEAD 1995:
    D3092           GA115B. LIFTING HEAVY LOADS
    D3456           GB75B. LIFTING HEAVY LOADS
HRS 1996:
    E3005           G126B.LIFTING HEAVY LOADS
HRS 1998:
    F3534           G126B.LIFTING HEAVY LOADS
HRS 2000:
    G3822           G126B.LIFTING HEAVY LOADS
HRS 2002:
    HJ539           LIFTING HEAVY LOADS
HRS 2004:
    JJ539           LIFTING HEAVY LOADS
HRS 2006:
    KJ539           LIFTING HEAVY LOADS
HRS 2008:
    LJ539           LIFTING HEAVY LOADS
HRS 2010:
    MJ539           LIFTING HEAVY LOADS
HRS 2012:
    NJ539           LIFTING HEAVY LOADS
HRS 2014:
    OJ539           LIFTING HEAVY LOADS
```

Current job requires stooping, kneeling, or crouching

Wave	Variable	Label	Type
1	R1JSTOOP	R1JSTOOP:W1 Cur job req stoop/kneel/crouch	Categ
2	R2JSTOOP	R2JSTOOP:W2 Cur job req stoop/kneel/crouch	Categ
3	R3JSTOOP	R3JSTOOP:W3 Cur job req stoop/kneel/crouch	Categ
4	R4JSTOOP	R4JSTOOP:W4 Cur job req stoop/kneel/crouch	Categ
5	R5JSTOOP	R5JSTOOP:W5 Cur job req stoop/kneel/crouch	Categ
6	R6JSTOOP	R6JSTOOP:W6 Cur job req stoop/kneel/crouch	Categ
7	R7JSTOOP	R7JSTOOP:W7 Cur job req stoop/kneel/crouch	Categ
8	R8JSTOOP	R8JSTOOP:W8 Cur job req stoop/kneel/crouch	Categ
9	R9JSTOOP	R9JSTOOP:W9 Cur job req stoop/kneel/crouch	Categ
10	R10JSTOOP	R10JSTOOP:W10 Cur job req stoop/kneel/crouch	Categ
11	R11JSTOOP	R11JSTOOP:W11 Cur job req stoop/kneel/crouch	Categ
12	R12JSTOOP	R12JSTOOP:W12 Cur job req stoop/kneel/crouch	Categ
1	S1JSTOOP	S1JSTOOP:W1 Cur job req stoop/kneel/crouch	Categ
2	S2JSTOOP	S2JSTOOP:W2 Cur job req stoop/kneel/crouch	Categ
3	S3JSTOOP	S3JSTOOP:W3 Cur job req stoop/kneel/crouch	Categ
4	S4JSTOOP	S4JSTOOP:W4 Cur job req stoop/kneel/crouch	Categ
5	S5JSTOOP	S5JSTOOP:W5 Cur job req stoop/kneel/crouch	Categ
6	S6JSTOOP	S6JSTOOP:W6 Cur job req stoop/kneel/crouch	Categ
7	S7JSTOOP	S7JSTOOP:W7 Cur job req stoop/kneel/crouch	Categ
8	S8JSTOOP	S8JSTOOP:W8 Cur job req stoop/kneel/crouch	Categ
9	S9JSTOOP	S9JSTOOP:W9 Cur job req stoop/kneel/crouch	Categ
10	S10JSTOOP	S10JSTOOP:W10 Cur job req stoop/kneel/crouch	Categ
11	S11JSTOOP	S11JSTOOP:W11 Cur job req stoop/kneel/crouch	Categ
12	S12JSTOOP	S12JSTOOP:W12 Cur job req stoop/kneel/crouch	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSTOOP	8316	2.93	1.01	1.0	4.0
R2JSTOOP	6979	2.98	1.02	1.0	4.0
R3JSTOOP	6468	3.01	1.01	1.0	4.0
R4JSTOOP	7914	3.02	1.03	1.0	4.0
R5JSTOOP	6847	3.06	1.02	1.0	4.0
R6JSTOOP	5833	3.03	1.05	1.0	4.0
R7JSTOOP	7423	2.97	1.08	1.0	4.0
R8JSTOOP	6300	2.97	1.08	1.0	4.0
R9JSTOOP	5670	3.03	1.10	1.0	5.0
R10JSTOOP	8553	2.91	1.12	1.0	5.0
R11JSTOOP	7665	2.92	1.11	1.0	5.0
R12JSTOOP	6614	2.93	1.10	1.0	5.0
S1JSTOOP	6563	2.94	1.01	1.0	4.0
S2JSTOOP	5446	2.98	1.01	1.0	4.0
S3JSTOOP	4919	3.00	1.01	1.0	4.0
S4JSTOOP	5830	3.01	1.03	1.0	4.0
S5JSTOOP	5071	3.04	1.03	1.0	4.0
S6JSTOOP	4291	3.02	1.06	1.0	4.0
S7JSTOOP	5383	2.96	1.09	1.0	4.0
S8JSTOOP	4564	2.96	1.08	1.0	4.0
S9JSTOOP	4073	3.03	1.10	1.0	5.0
S10JSTOOP	5858	2.91	1.12	1.0	5.0
S11JSTOOP	5265	2.91	1.10	1.0	5.0
S12JSTOOP	4475	2.93	1.10	1.0	5.0

Categorical Variable Codes

Value	R1JSTOOP	R2JSTOOP	R3JSTOOP	R4JSTOOP	R5JSTOOP	R6JSTOOP	R7JSTOOP
.D=DK/NA	2	3	4	2	1	2	2
.M=Oth missing	14	25	125	171	129	32	113
.P=No info prior wv (proxy/			170	91	50	6	3
.Q=Not asked this/prv wv		8222					
.R=RF	52	11	12	13	11	6	5
.S=Skip,proxy IW		43	91	250	202	204	318
.W=Skip,not working	4268	4359	11121	12943	12339	12082	12265
1.All/almost all the time	1153	933	826	1070	888	855	1232
2.Most of the time	1110	883	771	889	713	571	751
3.Some of the time	3194	2575	2352	2761	2372	1929	2415
4.None/almost none of time	2859	2588	2519	3194	2874	2478	3025

Value	R8JSTOOP	R9JSTOOP	R10JSTOOP	R11JSTOOP	R12JSTOOP
.D=DK/NA	5	2	5	7	5
.M=Oth missing	176	106	343	225	192
.P=No info prior wv (proxy/		1	1		
.R=RF		5	1	1	1
.S=Skip,proxy IW	174	112	161	111	89
.W=Skip,not working	11814	11321	12970	12545	11847
1.All/almost all the time	1021	864	1591	1357	1130
2.Most of the time	666	612	940	846	759
3.Some of the time	2067	1852	2779	2587	2205
4.None/almost none of time	2546	2174	3129	2776	2452
5.Does not apply		168	114	99	68

Value	S1JSTOOP	S2JSTOOP	S3JSTOOP	S4JSTOOP	S5JSTOOP	S6JSTOOP	S7JSTOOP
.D=DK/NA	2	3	3	2		1	1
.M=Oth missing	5	11	54	106	86	17	67
.P=No info prior wv (proxy/			115	64	33	6	3
.Q=Not asked this/prv wv		4549					
.R=RF	30	7	9	8	6	6	4
.S=Skip,proxy IW		38	88	237	193	194	312
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Skip,not working	3300	3234	6727	7731	7341	7124	7202
1.All/almost all the time	907	703	636	800	673	636	902
2.Most of the time	872	706	596	662	542	443	574
3.Some of the time	2524	2017	1812	2043	1753	1412	1742
4.None/almost none of time	2260	2020	1875	2325	2103	1800	2165

Value	S8JSTOOP	S9JSTOOP	S10JSTOOP	S11JSTOOP	S12JSTOOP
.D=DK/NA	3	2	2	6	4
.M=Oth missing	139	67	210	134	115
.P=No info prior wv (proxy/		1	1		
.R=RF		2	1		1
.S=Skip,proxy IW	170	108	155	108	87
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
1.All/almost all the time	750	614	1078	922	757
2.Most of the time	502	444	662	621	548
3.Some of the time	1491	1329	1899	1774	1472
4.None/almost none of time	1821	1573	2147	1886	1656
5.Does not apply		113	72	62	42

How Constructed

RwJSTOOP indicates the extent to which the Respondent says his/her job requires stooping, kneeling, or crouching.

RwJSTOOP simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about stooping, kneeling, or crouching at a job. So for the AHEAD Respondents, R2JSTOOP is set to the .Q SAS special missing value, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSTOOP.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires stooping, kneeling, or crouching.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or W2A, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

```
HRS 1992:
    V3303           F82C:JB RQR STP/KNG/CRNG
HRS 1994:
    W3945           FA115c.STOOPING/KNEELING
    W4603           FB75c.JOB REQUIRES STOOP
AHEAD 1995:
    D3093           GA115C. STOOPING, KNEELING, ETC.
    D3457           GB75C. STOOPING, KNEELING, ETC.
HRS 1996:
    E3006           G126C.STOOPING/KNEELING/CROUCHING
HRS 1998:
    F3535           G126C.STOOPING/KNEELING/CROUCHING
HRS 2000:
    G3823           G126C.STOOPING/KNEELING/CROUCHING
HRS 2002:
    HJ540           STOOPING/KNEELING/CROUCHING
HRS 2004:
    JJ540           STOOPING/KNEELING/CROUCHING
HRS 2006:
    KJ540           STOOPING/KNEELING/CROUCHING
HRS 2008:
    LJ540           STOOPING/KNEELING/CROUCHING
HRS 2010:
    MJ540           STOOPING/KNEELING/CROUCHING
HRS 2012:
    NJ540           STOOPING/KNEELING/CROUCHING
HRS 2014:
    OJ540           STOOPING/KNEELING/CROUCHING
```

Current job requires good eyesight

Wave	Variable	Label	Type
1	R1JSIGHT	R1JSIGHT:W1 Cur job req good eyesight	Categ
2	R2JSIGHT	R2JSIGHT:W2 Cur job req good eyesight	Categ
3	R3JSIGHT	R3JSIGHT:W3 Cur job req good eyesight	Categ
4	R4JSIGHT	R4JSIGHT:W4 Cur job req good eyesight	Categ
5	R5JSIGHT	R5JSIGHT:W5 Cur job req good eyesight	Categ
6	R6JSIGHT	R6JSIGHT:W6 Cur job req good eyesight	Categ
7	R7JSIGHT	R7JSIGHT:W7 Cur job req good eyesight	Categ
8	R8JSIGHT	R8JSIGHT:W8 Cur job req good eyesight	Categ
9	R9JSIGHT	R9JSIGHT:W9 Cur job req good eyesight	Categ
10	R10JSIGHT	R10JSIGHT:W10 Cur job req good eyesight	Categ
11	R11JSIGHT	R11JSIGHT:W11 Cur job req good eyesight	Categ
12	R12JSIGHT	R12JSIGHT:W12 Cur job req good eyesight	Categ
1	S1JSIGHT	S1JSIGHT:W1 Cur job req good eyesight	Categ
2	S2JSIGHT	S2JSIGHT:W2 Cur job req good eyesight	Categ
3	S3JSIGHT	S3JSIGHT:W3 Cur job req good eyesight	Categ
4	S4JSIGHT	S4JSIGHT:W4 Cur job req good eyesight	Categ
5	S5JSIGHT	S5JSIGHT:W5 Cur job req good eyesight	Categ
6	S6JSIGHT	S6JSIGHT:W6 Cur job req good eyesight	Categ
7	S7JSIGHT	S7JSIGHT:W7 Cur job req good eyesight	Categ
8	S8JSIGHT	S8JSIGHT:W8 Cur job req good eyesight	Categ
9	S9JSIGHT	S9JSIGHT:W9 Cur job req good eyesight	Categ
10	S10JSIGHT	S10JSIGHT:W10 Cur job req good eyesight	Categ
11	S11JSIGHT	S11JSIGHT:W11 Cur job req good eyesight	Categ
12	S12JSIGHT	S12JSIGHT:W12 Cur job req good eyesight	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSIGHT	8307	1.61	0.78	1.0	4.0
R2JSIGHT	7719	1.62	0.78	1.0	4.0
R3JSIGHT	6627	1.56	0.79	1.0	4.0
R4JSIGHT	7999	1.53	0.80	1.0	4.0
R5JSIGHT	6895	1.52	0.80	1.0	4.0
R6JSIGHT	5833	1.47	0.79	1.0	4.0
R7JSIGHT	7422	1.49	0.80	1.0	4.0
R8JSIGHT	6302	1.46	0.78	1.0	4.0
R9JSIGHT	5671	1.47	0.81	1.0	5.0
R10JSIGHT	8557	1.49	0.81	1.0	5.0
R11JSIGHT	7666	1.49	0.81	1.0	5.0
R12JSIGHT	6611	1.49	0.80	1.0	5.0
S1JSIGHT	6557	1.61	0.77	1.0	4.0
S2JSIGHT	5937	1.62	0.77	1.0	4.0
S3JSIGHT	5023	1.56	0.78	1.0	4.0
S4JSIGHT	5889	1.53	0.79	1.0	4.0
S5JSIGHT	5103	1.51	0.79	1.0	4.0
S6JSIGHT	4292	1.46	0.78	1.0	4.0
S7JSIGHT	5383	1.48	0.79	1.0	4.0
S8JSIGHT	4565	1.46	0.78	1.0	4.0
S9JSIGHT	4074	1.47	0.81	1.0	5.0
S10JSIGHT	5861	1.48	0.81	1.0	5.0
S11JSIGHT	5267	1.48	0.81	1.0	5.0
S12JSIGHT	4475	1.50	0.80	1.0	5.0

Categorical Variable Codes

Value	R1JSIGHT	R2JSIGHT	R3JSIGHT	R4JSIGHT	R5JSIGHT	R6JSIGHT	R7JSIGHT
.D=DK/NA	2	2	3	3	2	3	2
.M=Oth missing	14	74	138	178	131	35	115
.R=RF	61	15	11	11	10	8	7
.S=Skip,proxy IW		43	91	250	202	204	318
.W=Skip,not working	4268	11789	11121	12943	12339	12082	12265
1.All/almost all the time	4498	4112	3898	5008	4419	3942	4958
2.Most of the time	2865	2722	1958	2048	1659	1257	1607
3.Some of the time	658	625	539	637	551	400	548
4.None/almost none of time	286	260	232	306	266	234	309

Value	R8JSIGHT	R9JSIGHT	R10JSIGHT	R11JSIGHT	R12JSIGHT
.D=DK/NA	1	1	2	5	8
.M=Oth missing	176	106	343	225	192
.R=RF	2	6	1	2	1
.S=Skip,proxy IW	174	112	161	111	89
.W=Skip,not working	11814	11321	12970	12545	11847
1.All/almost all the time	4307	3892	5774	5154	4385
2.Most of the time	1315	1137	1754	1623	1450
3.Some of the time	459	424	701	591	525
4.None/almost none of time	221	195	303	278	242
5.Does not apply		23	25	20	9

Value	S1JSIGHT	S2JSIGHT	S3JSIGHT	S4JSIGHT	S5JSIGHT	S6JSIGHT	S7JSIGHT
.D=DK/NA	2	2	3	2		1	
.M=Oth missing	5	43	64	113	88	20	69
.R=RF	36	11	10	6	5	8	6
.S=Skip,proxy IW		38	88	237	193	194	312
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.W=Skip,not working	3300	7057	6727	7731	7341	7124	7202
1.All/almost all the time	3520	3152	2965	3684	3284	2906	3590
2.Most of the time	2307	2109	1483	1519	1238	938	1191
3.Some of the time	506	478	412	468	393	287	395
4.None/almost none of time	224	198	163	218	188	161	207

Value	S8JSIGHT	S9JSIGHT	S10JSIGHT	S11JSIGHT	S12JSIGHT
.D=DK/NA	1	1		4	4
.M=Oth missing	139	67	210	134	115
.R=RF	1	3	1		1
.S=Skip,proxy IW	170	108	155	108	87
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
1.All/almost all the time	3117	2776	3966	3547	2959
2.Most of the time	965	837	1207	1117	986
3.Some of the time	321	305	465	398	362
4.None/almost none of time	162	139	206	190	160
5.Does not apply		17	17	15	8

How Constructed

RwJSIGHT indicates the extent to which the Respondent says his/her job requires good eyesight.

RwJSIGHT simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the

prior interview value is used.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy then the current wave variable is set to .P, information from prior interview is missing.

In Wave 2A, there are only three levels of response as opposed to the four in other waves. The response categories are set to correspond to those with the same wording in other waves. The omitted level in Wave 2A is "All or almost all of the time."

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSIGHT.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires good eyesight.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A, the second part of the question was slightly different:

"Is this true most of the time, some of the time, or hardly ever?"

So for AHEAD Respondents, R2JSIGHT has no code one ("All or almost all of the time").

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or W2a, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply".

HRS Variables Used

```
HRS 1992:
    V3304           F82D:JB RQR GOOD EYESGHT
AHEAD 1993:
    B1191           G9. CURR WORK: REQ GOOD EYESIGHT
```

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HRS 1994:
    W3946           FA115d.GOOD EYESIGHT
    W4604           FB75d.JOB REQUIRES GOOD
AHEAD 1995:
    D3094           GA115D. GOOD EYESIGHT
    D3458           GB75D. GOOD EYESIGHT
HRS 1996:
    E3007           G126D.GOOD EYESIGHT
HRS 1998:
    F3536           G126D.GOOD EYESIGHT
HRS 2000:
    G3824           G126D.GOOD EYESIGHT
HRS 2002:
    HJ541           GOOD EYESIGHT
HRS 2004:
    JJ541           GOOD EYESIGHT
HRS 2006:
    KJ541           GOOD EYESIGHT
HRS 2008:
    LJ541           GOOD EYESIGHT
HRS 2010:
    MJ541           GOOD EYESIGHT
HRS 2012:
    NJ541           GOOD EYESIGHT
HRS 2014:
    OJ541           GOOD EYESIGHT
```

Current Job involves lots of stress

Wave	Variable	Label	Type
1	R1JSTRES	R1JSTRES:W1 Cur job involves much stress	Categ
2	R2JSTRES	R2JSTRES:W2 Cur job involves much stress	Categ
3	R3JSTRES	R3JSTRES:W3 Cur job involves much stress	Categ
4	R4JSTRES	R4JSTRES:W4 Cur job involves much stress	Categ
5	R5JSTRES	R5JSTRES:W5 Cur job involves much stress	Categ
6	R6JSTRES	R6JSTRES:W6 Cur job involves much stress	Categ
7	R7JSTRES	R7JSTRES:W7 Cur job involves much stress	Categ
8	R8JSTRES	R8JSTRES:W8 Cur job involves much stress	Categ
9	R9JSTRES	R9JSTRES:W9 Cur job involves much stress	Categ
10	R10JSTRES	R10JSTRES:W10 Cur job involves much stress	Categ
11	R11JSTRES	R11JSTRES:W11 Cur job involves much stress	Categ
12	R12JSTRES	R12JSTRES:W12 Cur job involves much stress	Categ
1	S1JSTRES	S1JSTRES:W1 Cur job involves much stress	Categ
2	S2JSTRES	S2JSTRES:W2 Cur job involves much stress	Categ
3	S3JSTRES	S3JSTRES:W3 Cur job involves much stress	Categ
4	S4JSTRES	S4JSTRES:W4 Cur job involves much stress	Categ
5	S5JSTRES	S5JSTRES:W5 Cur job involves much stress	Categ
6	S6JSTRES	S6JSTRES:W6 Cur job involves much stress	Categ
7	S7JSTRES	S7JSTRES:W7 Cur job involves much stress	Categ
8	S8JSTRES	S8JSTRES:W8 Cur job involves much stress	Categ
9	S9JSTRES	S9JSTRES:W9 Cur job involves much stress	Categ
10	S10JSTRES	S10JSTRES:W10 Cur job involves much stress	Categ
11	S11JSTRES	S11JSTRES:W11 Cur job involves much stress	Categ
12	S12JSTRES	S12JSTRES:W12 Cur job involves much stress	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSTRES	8284	2.22	0.81	1.0	4.0
R2JSTRES	7718	2.37	0.86	1.0	4.0
R3JSTRES	6633	2.36	0.84	1.0	4.0
R4JSTRES	8082	2.31	0.83	1.0	4.0
R5JSTRES	6962	2.40	0.81	1.0	4.0
R6JSTRES	5833	2.37	0.82	1.0	4.0
R7JSTRES	7446	2.33	0.85	1.0	4.0
R8JSTRES	6381	2.34	0.86	1.0	4.0
R9JSTRES	5675	2.37	0.87	1.0	5.0
R10JSTRES	8564	2.30	0.86	1.0	5.0
R11JSTRES	7709	2.35	0.86	1.0	5.0
R12JSTRES	6665	2.37	0.85	1.0	5.0
S1JSTRES	6534	2.23	0.80	1.0	4.0
S2JSTRES	5933	2.35	0.85	1.0	4.0
S3JSTRES	5030	2.36	0.82	1.0	4.0
S4JSTRES	5955	2.30	0.83	1.0	4.0
S5JSTRES	5160	2.39	0.82	1.0	4.0
S6JSTRES	4293	2.37	0.81	1.0	4.0
S7JSTRES	5400	2.33	0.85	1.0	4.0
S8JSTRES	4643	2.34	0.85	1.0	4.0
S9JSTRES	4080	2.36	0.86	1.0	5.0
S10JSTRES	5869	2.28	0.85	1.0	5.0
S11JSTRES	5301	2.33	0.86	1.0	5.0
S12JSTRES	4513	2.35	0.84	1.0	5.0

Categorical Variable Codes

Value	R1JSTRES	R2JSTRES	R3JSTRES	R4JSTRES	R5JSTRES	R6JSTRES	R7JSTRES
.D=DK/NA	6	11	7	11	11	12	4
.M=Oth missing	14	74	134	87	57	29	92
.R=RF	80	7	5	11	8	5	4
.S=Skip,proxy IW		43	91	250	202	204	318
.W=Skip,not working	4268	11789	11121	12943	12339	12082	12265
1.Strongly agree	1643	1287	1114	1492	1058	929	1403
2.Agree	3514	2998	2496	3019	2476	2154	2605
3.Disagree	2755	2736	2570	3117	3011	2398	2989
4.Strongly disagree	372	697	453	454	417	352	449

Value	R8JSTRES	R9JSTRES	R10JSTRES	R11JSTRES	R12JSTRES
.D=DK/NA	12	3	15	14	14
.M=Oth missing	82	98	321	170	128
.R=RF	6	8	3	5	5
.S=Skip,proxy IW	174	112	161	111	89
.W=Skip,not working	11814	11321	12970	12545	11847
1.Strongly agree	1190	963	1676	1357	1097
2.Agree	2233	2110	3278	2939	2557
3.Disagree	2525	2155	3033	2810	2495
4.Strongly disagree	433	416	555	582	505
5.Does not apply		31	22	21	11

Value	S1JSTRES	S2JSTRES	S3JSTRES	S4JSTRES	S5JSTRES	S6JSTRES	S7JSTRES
.D=DK/NA	6	11	6	9	7	8	2
.M=Oth missing	5	43	60	40	24	15	53
.R=RF	55	6	4	6	5	5	3
.S=Skip,proxy IW		38	88	237	193	194	312
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.W=Skip,not working	3300	7057	6727	7731	7341	7124	7202
1.Strongly agree	1260	1001	822	1105	802	668	1016
2.Agree	2827	2325	1911	2245	1870	1606	1908
3.Disagree	2161	2136	1984	2299	2183	1782	2159
4.Strongly disagree	286	471	313	306	305	237	317

Value	S8JSTRES	S9JSTRES	S10JSTRES	S11JSTRES	S12JSTRES
.D=DK/NA	7	3	10	9	7
.M=Oth missing	53	59	191	93	72
.R=RF	3	3	2	2	3
.S=Skip,proxy IW	170	108	155	108	87
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
1.Strongly agree	847	689	1133	948	734
2.Agree	1687	1559	2320	2062	1789
3.Disagree	1812	1525	2044	1891	1665
4.Strongly disagree	297	286	358	386	321
5.Does not apply		21	14	14	4

How Constructed

RwJSTRES indicates the extent to which the Respondent agrees with the statement that his/her job involves lots of stress.

RxJSTRES simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. Unlike other job characteristic questions, this question is usually asked even

if R is working at the same job. If skipped for some other reason, and R reported working at the prior interview, then the prior interview value is used.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy then current wave variable is set to .P, information from prior interview is missing.

In Wave 2A, there are only three levels of response as opposed to the four in other waves, and the wording reflects frequency rather than agreement. The omitted level in Wave 2A is the one that would correspond to "Strongly Agree" in other waves. The response of "Most of the time" is set to correspond to "Agree" in other waves, "Some of the time" is set to correspond to "Disagree", and "Hardly ever" is set to correspond to "Strongly Disagree."

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSTRES.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"Here are some statements that are true for some people's jobs but not for others. Thinking of your job, please indicate how much you agree or disagree with each statement.

My job involves a lot of stress.

Do you strongly agree, agree, disagree or strongly disagree with that statement?"

In Wave 2A, the second part of the question was slightly different:

"Is this true most of the time, some of the time, or hardly ever?"

So for the AHEAD Respondents, R2JSTRES has one fewer response category (missing "All or almost all of the time"), and the wording reflects frequency not agreement.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

This question is asked if the Respondent is working, whether or not it is the same job as the prior interview.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

```
HRS 1992:
    V3317           F83D:JB INVOLVES STRESS
AHEAD 1993:
    B1196           G9c. CURR WORK: JOB STRESS HOW OFTEN
HRS 1994:
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    W3950           FA116b.LOT OF STRESS
    W4608           FB76b.JOB INVOLVES LOT O
AHEAD 1995:
    D3103           GA116B. LOT OF STRESS
    D3463           GB76B. LOT OF STRESS
HRS 1996:
    E3012           G127B.LOT OF STRESS
HRS 1998:
    F3541           G127B.LOT OF STRESS
HRS 2000:
    G3830           G127B.LOT OF STRESS
HRS 2002:
    HJ547           A LOT OF STRESS
HRS 2004:
    JJ547           A LOT OF STRESS
HRS 2006:
    KJ547           A LOT OF STRESS
HRS 2008:
    LJ547           A LOT OF STRESS
HRS 2010:
    MJ547           A LOT OF STRESS
HRS 2012:
    NJ547           A LOT OF STRESS
HRS 2014:
    OJ547           A LOT OF STRESS
```

Years of tenure on current job

Wave	Variable	Label	Type
1	R1JCTEN	R1JCTEN:W1 Current Job Tenure	Cont
2	R2JCTEN	R2JCTEN:W2 Current Job Tenure	Cont
3	R3JCTEN	R3JCTEN:W3 Current Job Tenure	Cont
4	R4JCTEN	R4JCTEN:W4 Current Job Tenure	Cont
5	R5JCTEN	R5JCTEN:W5 Current Job Tenure	Cont
6	R6JCTEN	R6JCTEN:W6 Current Job Tenure	Cont
7	R7JCTEN	R7JCTEN:W7 Current Job Tenure	Cont
8	R8JCTEN	R8JCTEN:W8 Current Job Tenure	Cont
9	R9JCTEN	R9JCTEN:W9 Current Job Tenure	Cont
10	R10JCTEN	R10JCTEN:W10 Current Job Tenure	Cont
11	R11JCTEN	R11JCTEN:W11 Current Job Tenure	Cont
12	R12JCTEN	R12JCTEN:W12 Current Job Tenure	Cont
1	S1JCTEN	S1JCTEN:W1 Current Job Tenure	Cont
2	S2JCTEN	S2JCTEN:W2 Current Job Tenure	Cont
3	S3JCTEN	S3JCTEN:W3 Current Job Tenure	Cont
4	S4JCTEN	S4JCTEN:W4 Current Job Tenure	Cont
5	S5JCTEN	S5JCTEN:W5 Current Job Tenure	Cont
6	S6JCTEN	S6JCTEN:W6 Current Job Tenure	Cont
7	S7JCTEN	S7JCTEN:W7 Current Job Tenure	Cont
8	S8JCTEN	S8JCTEN:W8 Current Job Tenure	Cont
9	S9JCTEN	S9JCTEN:W9 Current Job Tenure	Cont
10	S10JCTEN	S10JCTEN:W10 Current Job Tenure	Cont
11	S11JCTEN	S11JCTEN:W11 Current Job Tenure	Cont
12	S12JCTEN	S12JCTEN:W12 Current Job Tenure	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCTEN	8344	13.17	11.05	0.0	55.9
R2JCTEN	7785	13.70	12.53	0.0	68.4
R3JCTEN	6707	13.05	12.48	0.0	70.5
R4JCTEN	8194	12.81	12.24	0.0	70.5
R5JCTEN	7068	12.35	12.25	0.0	73.0
R6JCTEN	5945	12.06	12.44	0.0	75.0
R7JCTEN	7710	11.63	11.57	0.0	67.5
R8JCTEN	6513	11.64	11.80	0.0	69.6
R9JCTEN	5779	11.80	11.86	0.0	69.2
R10JCTEN	8729	11.97	11.20	0.0	71.0
R11JCTEN	7820	11.74	11.42	0.0	71.8
R12JCTEN	6758	11.80	11.53	0.0	70.1
S1JCTEN	6582	13.24	11.13	0.0	55.9
S2JCTEN	5998	13.70	12.43	0.0	68.4
S3JCTEN	5100	13.08	12.47	0.0	70.5
S4JCTEN	6086	12.83	12.20	0.0	70.5
S5JCTEN	5283	12.50	12.28	0.0	73.0
S6JCTEN	4421	12.22	12.53	0.0	75.0
S7JCTEN	5675	11.81	11.67	0.0	67.5
S8JCTEN	4789	11.82	11.87	0.0	69.6
S9JCTEN	4183	12.05	11.98	0.0	69.2
S10JCTEN	6026	12.15	11.26	0.0	71.0
S11JCTEN	5415	12.05	11.40	0.0	71.8
S12JCTEN	4607	12.06	11.50	0.0	68.0

How Constructed

RwJCTEN is the Respondent's years of tenure on the current job in Wave 'w.'

Current work status, reported job changes, current job start year and current interview date are used to derive the current job tenure for each interview. It is calculated in years, rounded to the nearest tenth, using current interview date minus current job start date. If the Respondent continues to hold the same job, the job start date is taken from the interview when the job was first reported, except when a self-employed Respondent gives a job start date that falls between interviews. In this case the given job start date is used.

Job start dates are reported as month and year or just year. If the month is missing or not asked, July is used as the month. If any reported job year is before the Respondent turned age 15, then it is set to the year the Respondent turned 15 instead.

If a Respondent reports a job start date that is before the prior interview, then the job start date is adjusted to be between the prior and current interviews. If the end date of a prior job is given, then it is set to the midpoint between the end of the prior job and the current interview. If the Respondent says s/he still has the ending job, then the start date is set to the previously given job start date. Otherwise it is set to the midpoint between the two interviews. This most frequently happens with the self-employed.

If the Respondent is not working, this variable is set to a .W missing code.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCTEN.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date of the new one.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2816           F23:YR STARTED FOR EMPLR
    V2834           F33:YR STRT THIS BUSINES
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1182           G4. CURRENT WORK START YEAR
    B1183           G4. CURRENT WORK START YEARS AGO
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    B1184           G4. CURRENT WORK START AT AGE
    B1232           G20. EVER WORK 10/+ YRS?
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3458           FA19.STILL WORKING FOR W
    W3662           FA59.START WORK FOR EMPL
    W3663           FA59.START WORK FOR EMPL
    W4327           FB22.STARTED S-E WORK-MO
    W4328           FB22a.STARTED S-E WORK-Y
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2747           GA19. STILL WORKING SAME EMPLOYER
    D2831           GA43. MONTH STARTED CURRENT WORK
    D2832           GA43A. YEAR STARTED CURRENT WORK
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2825           G63.START WORK FOR EMPLOYER-MONTH
    E2826           G63A.START WORK FOR EMPLOYER-YEAR
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3348           G63.START WORK FOR EMPLOYER-MONTH
    F3349           G63A.START WORK FOR EMPLOYER-YEAR
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3416           G19B.STILL WORKING PREV EMPLOYER
    G3607           G63.START WORK FOR EMPLOYER-MONTH
    G3608           G63A.START WORK FOR EMPLOYER-YEAR
HRS 2002:
    HJ020           WORKING FOR PAY
    HJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    HJ045           STILL WORKING PREV EMPLOYER
    HJ248           MO-START WORK FOR CURRENT EMPLOYER
    HJ249           YR-START WORK FOR CURRENT EMPLOYER
HRS 2004:
    JJ020           WORKING FOR PAY
    JJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    JJ045           STILL WORKING PREV EMPLOYER
    JJ248           MO-START WORK FOR CURRENT EMPLOYER
    JJ249           YR-START WORK FOR CURRENT EMPLOYER
HRS 2006:
    KJ020           WORKING FOR PAY
    KJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    KJ045           STILL WORKING PREV EMPLOYER
    KJ248           MO-START WORK FOR CURRENT EMPLOYER
    KJ249           YR-START WORK FOR CURRENT EMPLOYER
HRS 2008:
    LJ020           WORKING FOR PAY
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    LJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    LJ045           STILL WORKING PREV EMPLOYER
    LJ248           MO-START WORK FOR CURRENT EMPLOYER
    LJ249           YR-START WORK FOR CURRENT EMPLOYER
HRS 2010:
    MJ020           WORKING FOR PAY
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    MJ045           STILL WORKING PREV EMPLOYER
    MJ248           MO-START WORK FOR CURRENT EMPLOYER
    MJ249           YR-START WORK FOR CURRENT EMPLOYER
HRS 2012:
    NJ020           WORKING FOR PAY
    NJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    NJ045           STILL WORKING PREV EMPLOYER
    NJ248           MO-START WORK FOR CURRENT EMPLOYER
    NJ249           YR-START WORK FOR CURRENT EMPLOYER
HRS 2014:
    OJ020           WORKING FOR PAY
    OJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    OJ045           STILL WORKING PREV EMPLOYER
    OJ248           MO-START WORK FOR CURRENT EMPLOYER
    OJ249           YR-START WORK FOR CURRENT EMPLOYER
```

Occupation code for current job

Wave	Variable	Label	Type
1	R1JCOCC	R1JCOCC:W1 Current Job Occup/1980 Census	Categ
2	R2JCOCC	R2JCOCC:W2 Current Job Occup/1980 Census	Categ
3	R3JCOCC	R3JCOCC:W3 Current Job Occup/1980 Census	Categ
4	R4JCOCC	R4JCOCC:W4 Current Job Occup/1980 Census	Categ
5	R5JCOCC	R5JCOCC:W5 Current Job Occup/1980 Census	Categ
6	R6JCOCC	R6JCOCC:W6 Current Job Occup/1980 Census	Categ
7	R7JCOCC	R7JCOCC:W7 Current Job Occup/1980 Census	Categ
8	R8JCOCC	R8JCOCC:W8 Current Job Occup/1980 Census	Categ
9	R9JCOCC	R9JCOCC:W9 Current Job Occup/1980 Census	Categ
10	R10JCOCC	R10JCOCC:W10 Current Job Occup/1980 Census	Categ
11	R11JCOCC	R11JCOCC:W11 Current Job Occup/1980 Census	Categ
12	R12JCOCC	R12JCOCC:W12 Current Job Occup/1980 Census	Categ
1	S1JCOCC	S1JCOCC:W1 Current Job Occup/1980 Census	Categ
2	S2JCOCC	S2JCOCC:W2 Current Job Occup/1980 Census	Categ
3	S3JCOCC	S3JCOCC:W3 Current Job Occup/1980 Census	Categ
4	S4JCOCC	S4JCOCC:W4 Current Job Occup/1980 Census	Categ
5	S5JCOCC	S5JCOCC:W5 Current Job Occup/1980 Census	Categ
6	S6JCOCC	S6JCOCC:W6 Current Job Occup/1980 Census	Categ
7	S7JCOCC	S7JCOCC:W7 Current Job Occup/1980 Census	Categ
8	S8JCOCC	S8JCOCC:W8 Current Job Occup/1980 Census	Categ
9	S9JCOCC	S9JCOCC:W9 Current Job Occup/1980 Census	Categ
10	S10JCOCC	S10JCOCC:W10 Current Job Occup/1980 Census	Categ
11	S11JCOCC	S11JCOCC:W11 Current Job Occup/1980 Census	Categ
12	S12JCOCC	S12JCOCC:W12 Current Job Occup/1980 Census	Categ
2	R2JCOCCA	R2JCOCCA:W2 Cur Job Occup/Ahead coding	Categ
3	R3JCOCCA	R3JCOCCA:W3 Cur Job Occup/Ahead coding	Categ
4	R4JCOCCA	R4JCOCCA:W4 Cur Job Occup/Ahead coding	Categ
5	R5JCOCCA	R5JCOCCA:W5 Cur Job Occup/Ahead coding	Categ
6	R6JCOCCA	R6JCOCCA:W6 Cur Job Occup/Ahead coding	Categ
7	R7JCOCCA	R7JCOCCA:W7 Cur Job Occup/Ahead coding	Categ
8	R8JCOCCA	R8JCOCCA:W8 Cur Job Occup/Ahead coding	Categ
9	R9JCOCCA	R9JCOCCA:W9 Cur Job Occup/Ahead coding	Categ
10	R10JCOCCA	R10JCOCCA:W10 Cur Job Occup/Ahead coding	Categ
11	R11JCOCCA	R11JCOCCA:W11 Cur Job Occup/Ahead coding	Categ
12	R12JCOCCA	R12JCOCCA:W12 Cur Job Occup/Ahead coding	Categ
2	S2JCOCCA	S2JCOCCA:W2 Cur Job Occup/Ahead coding	Categ
3	S3JCOCCA	S3JCOCCA:W3 Cur Job Occup/Ahead coding	Categ
4	S4JCOCCA	S4JCOCCA:W4 Cur Job Occup/Ahead coding	Categ
5	S5JCOCCA	S5JCOCCA:W5 Cur Job Occup/Ahead coding	Categ
6	S6JCOCCA	S6JCOCCA:W6 Cur Job Occup/Ahead coding	Categ
7	S7JCOCCA	S7JCOCCA:W7 Cur Job Occup/Ahead coding	Categ
8	S8JCOCCA	S8JCOCCA:W8 Cur Job Occup/Ahead coding	Categ
9	S9JCOCCA	S9JCOCCA:W9 Cur Job Occup/Ahead coding	Categ
10	S10JCOCCA	S10JCOCCA:W10 Cur Job Occup/Ahead coding	Categ
11	S11JCOCCA	S11JCOCCA:W11 Cur Job Occup/Ahead coding	Categ
12	S12JCOCCA	S12JCOCCA:W12 Cur Job Occup/Ahead coding	Categ
7	R7JCOCCB	R7JCOCCB:W7 Cur Job Occup/2000 Census	Categ
8	R8JCOCCB	R8JCOCCB:W8 Cur Job Occup/2000 Census	Categ
9	R9JCOCCB	R9JCOCCB:W9 Cur Job Occup/2000 Census	Categ
10	R10JCOCCB	R10JCOCCB:W10 Cur Job Occup/2000 Census	Categ
11	R11JCOCCB	R11JCOCCB:W11 Cur Job Occup/2000 Census	Categ
12	R12JCOCCB	R12JCOCCB:W12 Cur Job Occup/2000 Census	Categ
7	S7JCOCCB	S7JCOCCB:W7 Cur Job Occup/2000 Census	Categ
8	S8JCOCCB	S8JCOCCB:W8 Cur Job Occup/2000 Census	Categ
9	S9JCOCCB	S9JCOCCB:W9 Cur Job Occup/2000 Census	Categ
10	S10JCOCCB	S10JCOCCB:W10 Cur Job Occup/2000 Census	Categ
11	S11JCOCCB	S11JCOCCB:W11 Cur Job Occup/2000 Census	Categ
12	S12JCOCCB	S12JCOCCB:W12 Cur Job Occup/2000 Census	Categ
10	R10JCOCCC	R10JCOCCC:W10 Cur Job Occup/2010 Census	Categ
11	R11JCOCCC	R11JCOCCC:W11 Cur Job Occup/2010 Census	Categ

12	R12JCOCCC	R12JCOCCC:W12 Cur Job Occup/2010 Census	Categ
10	S10JCOCCC	S10JCOCCC:W10 Cur Job Occup/2010 Census	Categ
11	S11JCOCCC	S11JCOCCC:W11 Cur Job Occup/2010 Census	Categ
12	S12JCOCCC	S12JCOCCC:W12 Cur Job Occup/2010 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCOCC	8360	6.28	4.87	1.0	17.0
R2JCOCC	7024	6.21	4.83	1.0	17.0
R3JCOCC	6164	6.17	4.80	1.0	17.0
R4JCOCC	8059	6.03	4.77	1.0	17.0
R5JCOCC	6990	5.96	4.76	1.0	17.0
R6JCOCC	5967	5.99	4.77	1.0	17.0
R7JCOCC	7749	5.86	4.70	1.0	17.0
R8JCOCC	5003	5.68	4.66	1.0	17.0
R9JCOCC	3771	5.62	4.63	1.0	17.0
R10JCOCC	2686	5.42	4.51	1.0	17.0
R11JCOCC	1991	5.29	4.46	1.0	17.0
R12JCOCC	1448	5.19	4.45	1.0	17.0
S1JCOCC	6588	6.28	4.93	1.0	17.0
S2JCOCC	5485	6.24	4.91	1.0	17.0
S3JCOCC	4747	6.24	4.89	1.0	17.0
S4JCOCC	6011	6.06	4.84	1.0	17.0
S5JCOCC	5239	6.00	4.85	1.0	17.0
S6JCOCC	4444	6.01	4.89	1.0	17.0
S7JCOCC	5704	5.88	4.81	1.0	17.0
S8JCOCC	3699	5.71	4.76	1.0	17.0
S9JCOCC	2751	5.57	4.69	1.0	17.0
S10JCOCC	1942	5.39	4.57	1.0	17.0
S11JCOCC	1425	5.20	4.49	1.0	17.0
S12JCOCC	1017	5.08	4.49	1.0	17.0
R2JCOCCA	768	4.38	2.65	1.0	9.0
R3JCOCCA	626	4.39	2.70	1.0	9.0
R4JCOCCA	472	4.56	2.65	1.0	9.0
R5JCOCCA	268	4.36	2.63	1.0	9.0
R6JCOCCA	142	4.33	2.58	1.0	9.0
R7JCOCCA	83	4.08	2.60	1.0	9.0
R8JCOCCA	44	4.52	2.84	1.0	9.0
R9JCOCCA	21	4.67	3.04	1.0	9.0
R10JCOCCA	12	4.25	3.14	1.0	9.0
R11JCOCCA	7	4.14	3.13	1.0	9.0
R12JCOCCA	1	8.00	.	8.0	8.0
S2JCOCCA	520	4.10	2.58	1.0	9.0
S3JCOCCA	407	4.10	2.63	1.0	9.0
S4JCOCCA	293	4.38	2.62	1.0	9.0
S5JCOCCA	158	4.24	2.55	1.0	9.0
S6JCOCCA	82	4.50	2.65	1.0	9.0
S7JCOCCA	45	4.40	2.83	1.0	9.0
S8JCOCCA	20	4.40	3.12	1.0	9.0
S9JCOCCA	10	3.90	3.21	1.0	9.0
S10JCOCCA	5	3.20	3.35	1.0	9.0

S11JCOCCA	3	4.67	3.79	2.0	9.0
R7JCOCCB	5109	13.54	7.15	1.0	25.0
R8JCOCCB	6551	13.63	7.06	1.0	25.0
R9JCOCCB	5848	13.61	6.98	1.0	25.0
R10JCOCCB	8796	13.81	6.90	1.0	25.0
R11JCOCCB	6034	13.59	6.95	1.0	25.0
R12JCOCCB	4422	13.49	6.99	1.0	25.0
S7JCOCCB	3779	13.43	7.35	1.0	25.0
S8JCOCCB	4818	13.52	7.29	1.0	25.0
S9JCOCCB	4225	13.43	7.24	1.0	25.0
S10JCOCCB	6067	13.70	7.13	1.0	25.0
S11JCOCCB	4208	13.41	7.18	1.0	25.0
S12JCOCCB	3036	13.32	7.22	1.0	25.0
R10JCOCCC	6231	12.79	6.55	1.0	23.0
R11JCOCCC	6182	12.69	6.56	1.0	23.0
R12JCOCCC	5693	12.77	6.51	1.0	23.0
S10JCOCCC	4258	12.71	6.74	1.0	23.0
S11JCOCCC	4263	12.55	6.80	1.0	23.0
S12JCOCCC	3863	12.65	6.74	1.0	23.0

Categorical Variable Codes

Value	R1JCOCC	R2JCOCC	R3JCOCC	R4JCOCC	R5JCOCC	R6JCOCC	R7JCOCC
.M=Oth missing	33	41	56	382	250	116	115
.Q=Not asked this wv		788	650				
.W=Skip,not working	4259	11789	11121	12943	12339	12082	12265
01.Managerial specialty ope	1238	1065	905	1152	1025	857	1075
02.Prof specialty opr/tech	1305	1110	990	1428	1269	1085	1495
03.Sales	848	708	658	891	736	649	864
04.Clerical/admin supp	1340	1107	973	1270	1137	942	1253
05.Svc:prv hhld/clean/bldg	130	108	95	131	93	81	99
06.Svc:protection	138	115	107	127	122	105	146
07.Svc:food prep	252	222	188	241	203	176	229
08.Health svc	197	175	152	210	184	161	210
09.Personal svc	569	527	446	537	486	423	549
10.Farming/forestry/fishing	265	231	195	264	216	212	235
11.Mechanics/repair	305	229	209	263	210	164	225
12.Constr trade/extractors	287	220	223	271	230	182	265
13.Precision production	284	236	199	237	190	163	190
14.Operators: machine	565	445	370	442	348	269	305
15.Operators: transport, et	420	359	325	397	368	326	365
16.Operators: handlers, etc	210	164	127	197	172	170	238
17.Member of Armed Forces	7	3	2	1	1	2	6

Value	R8JCOCC	R9JCOCC	R10JCOCC	R11JCOCC	R12JCOCC
.B=Other Census code	1613	2089	6160	5958	5407
.M=Oth missing	39	36	218	60	46
.W=Skip,not working	11814	11321	12970	12545	11847
01.Managerial specialty ope	714	545	388	290	213
02.Prof specialty opr/tech	1029	794	605	463	364
03.Sales	549	407	308	252	179
04.Clerical/admin supp	860	655	450	328	226
05.Svc:prv hhld/clean/bldg	49	35	24	14	13
06.Svc:protection	91	66	37	25	12
07.Svc:food prep	138	96	66	46	29
08.Health svc	124	87	60	41	29

09.Personal svc	314	237	188	135	104
10.Farming/forestry/fishing	141	113	94	61	37
11.Mechanics/repair	141	105	74	56	47
12.Constr trade/extractors	164	134	82	57	36
13.Precision production	124	97	61	47	37
14.Operators: machine	193	127	76	56	35
15.Operators: transport, et	232	171	108	72	51
16.Operators: handlers, etc	137	100	63	47	35
17.Member of Armed Forces	3	2	2	1	1

Value	S1JCOCC	S2JCOCC	S3JCOCC	S4JCOCC	S5JCOCC	S6JCOCC	S7JCOCC
.M=Oth missing	19	24	26	236	150	71	66
.Q=Not asked this wv		522	415				
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.W=Skip,not working	3293	7057	6727	7731	7341	7124	7202
01.Managerial specialty ope	1019	866	720	900	801	672	838
02.Prof specialty opr/tech	1019	867	761	1074	960	836	1135
03.Sales	711	588	527	671	568	499	658
04.Clerical/admin supp	1026	824	718	920	824	660	860
05.Svc:prv hhld/clean/bldg	82	60	48	62	49	45	50
06.Svc:protection	114	101	89	108	102	81	111
07.Svc:food prep	166	142	120	144	111	94	131
08.Health svc	112	93	82	120	105	93	120
09.Personal svc	415	389	318	366	320	277	354
10.Farming/forestry/fishing	225	196	175	223	182	172	194
11.Mechanics/repair	253	193	183	221	177	140	190
12.Constr trade/extractors	254	191	186	229	192	145	212
13.Precision production	237	201	167	187	147	125	145
14.Operators: machine	435	335	275	320	274	205	223
15.Operators: transport, et	358	301	273	314	296	264	302
16.Operators: handlers, etc	156	135	103	151	130	134	175
17.Member of Armed Forces	6	3	2	1	1	2	6

Value	S8JCOCC	S9JCOCC	S10JCOCC	S11JCOCC	S12JCOCC
.B=Other Census code	1155	1482	4158	4067	3646
.M=Oth missing	22	20	127	21	19
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
01.Managerial specialty ope	567	429	294	217	162
02.Prof specialty opr/tech	768	580	445	344	262
03.Sales	410	313	229	183	136
04.Clerical/admin supp	598	463	319	233	150
05.Svc:prv hhld/clean/bldg	25	19	14	9	7
06.Svc:protection	74	47	30	20	8
07.Svc:food prep	77	52	35	23	17
08.Health svc	73	51	33	24	17
09.Personal svc	201	143	112	76	50
10.Farming/forestry/fishing	118	95	75	44	30
11.Mechanics/repair	121	93	64	49	39
12.Constr trade/extractors	131	103	59	43	29
13.Precision production	100	73	46	35	24
14.Operators: machine	143	86	59	40	24
15.Operators: transport, et	189	127	80	52	38
16.Operators: handlers, etc	101	75	46	32	23
17.Member of Armed Forces	3	2	2	1	1

Value	R2JCOCCA	R3JCOCCA	R4JCOCCA	R5JCOCCA	R6JCOCCA	R7JCOCCA
.M=Oth missing	24	25	19			
.Q=Not asked this wv	11420	10964	15433	14679	14138	16841
.W=Skip,not working	7430	6376	5460	4632	3885	3205
01.Professional/technical w	134	112	81	47	22	17
02.Managers/officials/propr	106	90	42	33	19	11
03.Clerical/kindred workers	105	84	68	37	20	10
04.Sales workers	103	81	85	49	30	18
05.Craftsmen/foremen/kindre	62	42	20	9	6	4
06.Operatives/kindred worke	42	39	34	22	10	5
07.Laborers/farm foremen	21	23	20	7	3	1
08.Svc workers	172	121	99	53	24	12
09.Farmers and farm manager	23	34	23	11	8	5

Value	R8JCOCCA	R9JCOCCA	R10JCOCCA	R11JCOCCA	R12JCOCCA
.Q=Not asked this wv	15839	15128	20542	19419	17919
.W=Skip,not working	2586	2068	1480	1128	828
01.Professional/technical w	9	4	3	1	
02.Managers/officials/propr	4	4	2	2	
03.Clerical/kindred workers	5	1	1	1	
04.Sales workers	9	3	2	1	
05.Craftsmen/foremen/kindre	1				
06.Operatives/kindred worke	3	1			
08.Svc workers	9	7	3	1	1
09.Farmers and farm manager	4	1	1	1	

Value	S2JCOCCA	S3JCOCCA	S4JCOCCA	S5JCOCCA	S6JCOCCA	S7JCOCCA
.M=Oth missing	6	9	5			
.Q=Not asked this wv	9123	8629	11178	10630	10059	11801
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	200	95	537	311	220	380
.W=Skip,not working	3823	3193	2502	1942	1498	1126
01.Professional/technical w	105	85	56	27	13	10
02.Managers/officials/propr	81	63	29	23	11	5
03.Clerical/kindred workers	64	49	37	21	9	4
04.Sales workers	71	56	52	27	15	7
05.Craftsmen/foremen/kindre	44	33	18	8	5	4
06.Operatives/kindred worke	36	28	25	16	6	3
07.Laborers/farm foremen	17	17	15	6	3	1
08.Svc workers	84	51	43	22	15	6
09.Farmers and farm manager	18	25	18	8	5	5

Value	S8JCOCCA	S9JCOCCA	S10JCOCCA	S11JCOCCA	S12JCOCCA
.Q=Not asked this wv	10910	10060	13169	12269	10902
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	805	576	339	216	129
01.Professional/technical w	6	3	2		
02.Managers/officials/propr	1	2	1	1	
03.Clerical/kindred workers	2	1	1	1	
04.Sales workers	3	1			
05.Craftsmen/foremen/kindre	1				
06.Operatives/kindred worke	1				
08.Svc workers	3	2			
09.Farmers and farm manager	3	1	1	1	

Value	R7JCOCCB
.M=Oth missing	54
.P=From previous Census cod	2701
.W=Skip,not working	12265
01.Management Occupations	635
02.Business Oper-ns Special	96
03.Financial Specialists	112
04.Computer+Math Occs	68
05.Architecture+Engineering	71
06.Life/Physical/SocialSci	58
07.Community+Social Svcs Oc	120
08.Legal Occups	70
09.Education/Training/Libra	262
10.Arts/Design/Entertnmt Oc	123
11.Hlthcare Practition/Tech	205
12.Healthcare Support Occs	142
13.Protective Service Occs	90
14.Food Prep+Serving Occs	131
15.Blding/Grounds/Clean/Mai	302
16.Personal Care+Service Oc	237
17.Sales Occups	632
18.Office+Admin Support Occ	696
19.Farm/Fish/Forestry Occup	34
20.Construction Trades	272
21.Extraction Workers	3
22.Install/Maint/Repair Wor	163
23.Production Occups	331
24.Transport/Material Movin	251
25.Military Specific Occups	5

Value	R8JCOCCB	R9JCOCCB	R10JCOCCB	R11JCOCCB	R12JCOCCB
.B=Other Census code				1895	2417
.M=Oth missing	57	48	254	63	48
.P=From previous Census cod	47		14	17	14
.W=Skip,not working	11814	11321	12970	12545	11847
01.Management Occupations	748	650	858	613	451
02.Business Oper-ns Special	130	105	188	134	98
03.Financial Specialists	131	117	154	116	98
04.Computer+Math Occs	83	72	142	105	78
05.Architecture+Engineering	93	94	128	88	70
06.Life/Physical/SocialSci	75	59	77	53	42
07.Community+Social Svcs Oc	146	121	204	146	104
08.Legal Occups	88	82	109	88	74
09.Education/Training/Libra	440	430	617	454	345
10.Arts/Design/Entertnmt Oc	116	95	146	92	74
11.Hlthcare Practition/Tech	290	257	409	310	243
12.Healthcare Support Occs	166	168	285	189	135
13.Protective Service Occs	121	120	174	111	66
14.Food Prep+Serving Occs	220	211	303	189	124
15.Blding/Grounds/Clean/Mai	363	332	592	388	272
16.Personal Care+Service Oc	279	259	471	280	206
17.Sales Occups	712	635	841	578	398
18.Office+Admin Support Occ	1054	908	1297	938	687
19.Farm/Fish/Forestry Occup	43	39	53	27	18
20.Construction Trades	281	248	381	237	175
21.Extraction Workers	4	2	3	1	
22.Install/Maint/Repair Wor	173	161	289	190	153
23.Production Occups	407	333	519	349	246
24.Transport/Material Movin	386	345	547	354	261
25.Military Specific Occups	2	5	9	4	4

Value	S7JCOCCB
.M=Oth missing	28
.P=From previous Census cod	1963
.U=Unmarried	6777
.V=Spouse NR	380
.W=Skip,not working	7202
01.Management Occupations	507
02.Business Oper-ns Special	73
03.Financial Specialists	90
04.Computer+Math Occs	55
05.Architecture+Engineering	61
06.Life/Physical/SocialSci	46
07.Community+Social Svcs Oc	83
08.Legal Occups	54
09.Education/Training/Libra	186
10.Arts/Design/Entertnmt Oc	97
11.Hlthcare Practition/Tech	147
12.Healthcare Support Occs	83
13.Protective Service Occs	71
14.Food Prep+Serving Occs	86
15.Blding/Grounds/Clean/Mai	201
16.Personal Care+Service Oc	148
17.Sales Occups	482
18.Office+Admin Support Occ	479
19.Farm/Fish/Forestry Occup	25
20.Construction Trades	212
21.Extraction Workers	3
22.Install/Maint/Repair Wor	137
23.Production Occups	245
24.Transport/Material Movin	203
25.Military Specific Occups	5

Value	S8JCOCCB	S9JCOCCB	S10JCOCCB	S11JCOCCB	S12JCOCCB
.B=Other Census code				1271	1617
.M=Oth missing	30	28	152	23	21
.P=From previous Census cod	28		8	11	8
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
01.Management Occupations	612	528	665	488	347
02.Business Oper-ns Special	94	84	130	90	69
03.Financial Specialists	99	89	110	83	71
04.Computer+Math Occs	68	58	95	76	54
05.Architecture+Engineering	82	84	107	71	59
06.Life/Physical/SocialSci	60	50	64	48	36
07.Community+Social Svcs Oc	104	88	134	104	71
08.Legal Occups	59	55	75	60	49
09.Education/Training/Libra	316	295	434	324	236
10.Arts/Design/Entertnmt Oc	87	74	107	67	53
11.Hlthcare Practition/Tech	212	183	270	200	163
12.Healthcare Support Occs	100	93	154	106	72
13.Protective Service Occs	98	81	114	77	43
14.Food Prep+Serving Occs	134	125	179	120	88
15.Blding/Grounds/Clean/Mai	229	215	376	254	173
16.Personal Care+Service Oc	174	164	264	160	107
17.Sales Occups	532	470	608	406	283
18.Office+Admin Support Occ	728	621	855	613	438
19.Farm/Fish/Forestry Occup	31	29	41	15	11
20.Construction Trades	228	191	288	180	125
21.Extraction Workers	4	2	3	1	
22.Install/Maint/Repair Wor	146	130	214	147	117
23.Production Occups	306	243	371	249	173
24.Transport/Material Movin	313	268	404	267	196
25.Military Specific Occups	2	5	5	2	2

Value	R10JCOCCC	R11JCOCCC	R12JCOCCC
.M=Oth missing	581	304	197
.P=From previous Census cod	2252	1523	1011
.W=Skip,not working	12970	12545	11847
01.Management Occs	627	638	547
02.Business+Financial Oper-	260	273	258
03.Computer+Mathematical Oc	109	106	100
04.Architecture+Engineering	92	84	75
05.Life/Physical/SocialSci	55	44	48
06.Community+Social Service	154	153	134
07.Legal Occs	82	80	73
08.Education/Training/Libra	352	364	335
09.Arts/Design/Entertainmen	124	126	116
10.Healthcare Practitioners	252	274	261
11.Healthcare Support Occs	196	181	169
12.Protective Service Occs	116	118	103
13.Food Prep+Serving Relate	201	209	197
14.Building/Grounds Cleanin	442	438	420
15.Personal Care+Service Oc	387	369	355
16.Sales+Related Occs	631	608	551
17.Office+Administrative Su	811	831	763
18.Farming/Fishing/Forestry	35	33	31
19.Construction+Extraction	328	313	289
20.Installation/Maintenance	213	182	172
21.Production Occs	375	365	315
22.Transportation+Material	381	388	376
23.Military Specific Occs	8	5	5

Value	S10JCOCCC	S11JCOCCC	S12JCOCCC
.M=Oth missing	388	187	122
.P=From previous Census cod	1581	1063	697
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
.W=Skip,not working	7286	6975	6349
01.Management Occs	482	508	427
02.Business+Financial Oper-	177	187	175
03.Computer+Mathematical Oc	69	71	72
04.Architecture+Engineering	74	69	64
05.Life/Physical/SocialSci	49	37	39
06.Community+Social Service	98	106	93
07.Legal Occs	56	57	46
08.Education/Training/Libra	248	263	232
09.Arts/Design/Entertainmen	90	82	69
10.Healthcare Practitioners	152	168	156
11.Healthcare Support Occs	102	101	95
12.Protective Service Occs	68	77	63
13.Food Prep+Serving Relate	123	131	125
14.Building/Grounds Cleanin	291	300	261
15.Personal Care+Service Oc	210	195	196
16.Sales+Related Occs	462	424	385
17.Office+Administrative Su	531	523	502
18.Farming/Fishing/Forestry	29	26	24
19.Construction+Extraction	247	239	212
20.Installation/Maintenance	155	143	133
21.Production Occs	265	267	217
22.Transportation+Material	276	286	274
23.Military Specific Occs	4	3	3

How Constructed

RwJCOCC is the Respondent's occupation on the current job in Wave "w" based on the 1980 Census codes. RwJCOCCA is also the Respondent's occupation on the current job, but with the codes used only for the AHEAD cohort in Waves 2A and

3A. RwJCOCCB is the Respondent's current job occupation based on the 2000 Census occupations used beginning in Wave 7. RwJCOCCC is the Respondent's current job occupation based on the 2010 Census occupations used beginning in Wave 10.

The current job occupation is usually taken from the interview when the job was first reported. It is carried forward if the Respondent continues working at the same job and position. If the Respondent is self-employed and reports a new occupation or the Respondent changes job title and reports a new occupation, then the current interview values are used.

The occupation codes differed between the AHEAD and other cohorts in Waves 2 and 3, and the AHEAD codes are not provided for other cohorts in any wave. For AHEAD Respondents both sets of codes are given in Wave 4 only. In each wave the unavailable set of codes is set to .Q for the appropriate variables, to indicate that the information is missing for this reason. Thus, in Waves 2A and 3A, RwJCOCC is set to .Q for the AHEAD cohort, and for Waves 2H, 3H, and 4 RwJCOCCA is set to .Q for other cohorts. From Wave 5 on the AHEAD codes are not provided for any cohort, so codes have been carried forward from an earlier wave.

From Wave 7 to Wave 10, HRS uses a different set of occupation codes, based on the 2000 Census. Before Wave 7 there are 17 possible occupation codes; from Wave 7-10, there are 25 codes. RwJCOCCB begins with R7JCOCCB and provides the new code set.

HRS provided the 1980 and 2000 Census codes for Wave 7 ONLY. R7JCOCC contains the 1980 Census codes and R7JCOCCB contains the 2000 Census codes. If the occupation question is not asked in Wave 7 because the Respondent has not changed jobs or job title, then R7JCOCCB is set to .P, for occupation taken from prior wave, and R7JCOCC provides the 1980 Census-based occupation. If R7JCOCCB is provided but the Respondent did not change jobs, s/he may have values for both R7JCOCC and R7JCOCCB. From Wave 8, if the Respondent starts a new job, then RwJCOCC is set to .B, to indicate that the occupation code is not from the 1980 Census codes.

Beginning in Wave 10, HRS uses another different set of occupation codes, based on the 2010 Census. Before Wave 10 there are 25 possible occupation codes; beginning in Wave 10, there are 23 codes. RwJCOCCC begins with R10JCOCCC and provides the new code set.

HRS provided the 2000 and 2010 Census codes for Wave 10 ONLY. R10JCOCCB contains the 2000 Census codes and R10JCOCCC contains the 2010 Census codes. If the occupation question is not asked in Wave 10 because the Respondent has not changed jobs or job title, then R10JCOCCC is set to .P, for occupation taken from prior wave, R10JCOCCB provides the 2000 Census-based occupation, and R10JCOCC provides the 1980 Census-based occupation. If R10JCOCCC is provided but the Respondent did not change jobs, s/he may have values for both R10JCOCCB and R10JCOCCC. From Wave 11, if the Respondent starts a new job, then RwJCOCC and RwJCOCCB are set to .B, to indicate that the occupation code is not from the 1980 and 2000 Census codes.

If the Respondent is not working, this variable is set to a .W missing code.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCOCC, RwJCOCCA, RwJCOCCB and RwJCOCCC.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Occupation codes for the AHEAD cohort (Waves 2A and 3A) differed from those collected from other cohorts. In Wave 4 only, both the AHEAD and HRS version of the codes are available for AHEAD Respondents, while only the HRS codes are available for other cohorts.

From Wave 1-8, the occupation codes are based on 1980 Census occupations, assigned to one of 17 categories. From Wave 7-10, they are based on 2000 Census occupations, assigned to one of 25 categories. Beginning in Wave 10, they are based on 2010 Census occupations, assigned to one of 23 categories. In Wave 7 only, we have both the 1980 and 2000 occupation codes stored in R7JCOCC and R7JCOCCB. In Wave 10 only, we have both the 2000 and 2010 occupation codes stored in R10JCOCCB and R10JCOCCC.

HRS Variables Used

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HRS 1992:
    V2720           F5:OCC:1980 CENSUS OCC
    V2821           F27:OCC:1980 CENSUS OCC
AHEAD 1993:
    OCCG3B          G3. CURRENT OCCUPATION
HRS 1994:
    W3609           FA41b/FA42.OCCUPATION
    W4312B          FB16.OCCUPATION
AHEAD 1995:
    D2820M          GA39/42. OCCUPATION
    D3254M          GB15/16. OCCUPATION
HRS 1996:
    E2666M          G24/G25. CURRENT OCC
    E2732M          G41A/G42. OCC
HRS 1998:
    F3187AM         G25.CURRENT OCC  - AHD MASKED
    F3187HM         G25.CURRENT OCC  - HRS MASKED
    F3255AM         G42.OCC - AHD MASKED
    F3255HM         G42.OCC - HRS MASKED
HRS 2000:
    G3436M          G25.CURRENT OCC  - MASKED
    G3505M          G42.OCC - MASKED
HRS 2002:
    HJ061M          CURRENT WORK DONE - MASKED
    HJ168M          OCCUPATION - MASKED
HRS 2004:
    JJ061M          CURRENT WORK DONE - MASKED
    JJ061M_00       CURRENT WORK DONE 2000 Census- MASKED
    JJ168M          OCCUPATION - MASKED
    JJ168M_00       OCCUPATION 2000 Census- MASKED
HRS 2006:
    KJ062M          CURRENT WORK DONE - MASKED
    KJ168M          TYPE WORK DONE- MASKED
HRS 2008:
    LJ168M          TYPE WORK DONE- MASKED
HRS 2010:
    MJ062M_10       CURRENT WORK DONE 2010 Census- MASKED
    MJ168M          TYPE WORK DONE- MASKED
    MJ168M_10       TYPE WORK DONE 2010 Census- MASKED
```

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HRS 2012:
    NJ168M          TYPE WORK DONE- MASKED
HRS 2014:
    OJ168M          TYPE WORK DONE- MASKED
```

Industry code for current job

Wave	Variable	Label	Type
1	R1JCIND	R1JCIND:W1 Current Job Industry/1980 Census	Categ
2	R2JCIND	R2JCIND:W2 Current Job Industry/1980 Census	Categ
3	R3JCIND	R3JCIND:W3 Current Job Industry/1980 Census	Categ
4	R4JCIND	R4JCIND:W4 Current Job Industry/1980 Census	Categ
5	R5JCIND	R5JCIND:W5 Current Job Industry/1980 Census	Categ
6	R6JCIND	R6JCIND:W6 Current Job Industry/1980 Census	Categ
7	R7JCIND	R7JCIND:W7 Current Job Industry/1980 Census	Categ
8	R8JCIND	R8JCIND:W8 Current Job Industry/1980 Census	Categ
9	R9JCIND	R9JCIND:W9 Current Job Industry/1980 Census	Categ
10	R10JCIND	R10JCIND:W10 Current Job Industry/1980 Census	Categ
11	R11JCIND	R11JCIND:W11 Current Job Industry/1980 Census	Categ
12	R12JCIND	R12JCIND:W12 Current Job Industry/1980 Census	Categ
1	S1JCIND	S1JCIND:W1 Current Job Industry/1980 Census	Categ
2	S2JCIND	S2JCIND:W2 Current Job Industry/1980 Census	Categ
3	S3JCIND	S3JCIND:W3 Current Job Industry/1980 Census	Categ
4	S4JCIND	S4JCIND:W4 Current Job Industry/1980 Census	Categ
5	S5JCIND	S5JCIND:W5 Current Job Industry/1980 Census	Categ
6	S6JCIND	S6JCIND:W6 Current Job Industry/1980 Census	Categ
7	S7JCIND	S7JCIND:W7 Current Job Industry/1980 Census	Categ
8	S8JCIND	S8JCIND:W8 Current Job Industry/1980 Census	Categ
9	S9JCIND	S9JCIND:W9 Current Job Industry/1980 Census	Categ
10	S10JCIND	S10JCIND:W10 Current Job Industry/1980 Census	Categ
11	S11JCIND	S11JCIND:W11 Current Job Industry/1980 Census	Categ
12	S12JCIND	S12JCIND:W12 Current Job Industry/1980 Census	Categ
7	R7JCINDB	R7JCINDB:W7 Cur Job Industry/2002 Census	Categ
8	R8JCINDB	R8JCINDB:W8 Cur Job Industry/2002 Census	Categ
9	R9JCINDB	R9JCINDB:W9 Cur Job Industry/2002 Census	Categ
10	R10JCINDB	R10JCINDB:W10 Cur Job Industry/2002 Census	Categ
11	R11JCINDB	R11JCINDB:W11 Cur Job Industry/2002 Census	Categ
12	R12JCINDB	R12JCINDB:W12 Cur Job Industry/2002 Census	Categ
7	S7JCINDB	S7JCINDB:W7 Cur Job Industry/2002 Census	Categ
8	S8JCINDB	S8JCINDB:W8 Cur Job Industry/2002 Census	Categ
9	S9JCINDB	S9JCINDB:W9 Cur Job Industry/2002 Census	Categ
10	S10JCINDB	S10JCINDB:W10 Cur Job Industry/2002 Census	Categ
11	S11JCINDB	S11JCINDB:W11 Cur Job Industry/2002 Census	Categ
12	S12JCINDB	S12JCINDB:W12 Cur Job Industry/2002 Census	Categ
10	R10JCINDC	R10JCINDC:W10 Cur Job Industry/2007 Census	Categ
11	R11JCINDC	R11JCINDC:W11 Cur Job Industry/2007 Census	Categ
12	R12JCINDC	R12JCINDC:W12 Cur Job Industry/2007 Census	Categ
10	S10JCINDC	S10JCINDC:W10 Cur Job Industry/2007 Census	Categ
11	S11JCINDC	S11JCINDC:W11 Cur Job Industry/2007 Census	Categ
12	S12JCINDC	S12JCINDC:W12 Cur Job Industry/2007 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCIND	8327	7.73	3.76	1.0	13.0
R2JCIND	6992	7.82	3.75	1.0	13.0
R3JCIND	6118	7.88	3.71	1.0	13.0
R4JCIND	7989	7.97	3.66	1.0	13.0
R5JCIND	6937	8.13	3.66	1.0	13.0
R6JCIND	5917	8.17	3.65	1.0	13.0
R7JCIND	7715	8.23	3.65	1.0	13.0
R8JCIND	4978	8.31	3.66	1.0	13.0

R9JCIND	3757	8.35	3.68	1.0	13.0
R10JCIND	2670	8.49	3.66	1.0	13.0
R11JCIND	1978	8.56	3.62	1.0	13.0
R12JCIND	1438	8.66	3.59	1.0	13.0
S1JCIND	6573	7.56	3.77	1.0	13.0
S2JCIND	5467	7.64	3.76	1.0	13.0
S3JCIND	4720	7.68	3.73	1.0	13.0
S4JCIND	5962	7.82	3.71	1.0	13.0
S5JCIND	5208	7.96	3.70	1.0	13.0
S6JCIND	4407	8.01	3.69	1.0	13.0
S7JCIND	5681	8.04	3.70	1.0	13.0
S8JCIND	3681	8.13	3.70	1.0	13.0
S9JCIND	2741	8.13	3.70	1.0	13.0
S10JCIND	1933	8.29	3.69	1.0	13.0
S11JCIND	1418	8.41	3.64	1.0	13.0
S12JCIND	1014	8.41	3.63	1.0	13.0
R7JCINDB	4811	10.78	5.12	1.0	19.0
R8JCINDB	4604	10.93	5.05	1.0	19.0
R9JCINDB	5833	11.16	4.96	1.0	19.0
R10JCINDB	8751	11.29	4.95	1.0	19.0
R11JCINDB	6005	11.35	4.90	1.0	19.0
R12JCINDB	4398	11.32	4.88	1.0	19.0
S7JCINDB	3567	10.47	5.14	1.0	19.0
S8JCINDB	3426	10.61	5.07	1.0	19.0
S9JCINDB	4216	10.84	4.98	1.0	19.0
S10JCINDB	6037	10.92	4.96	1.0	19.0
S11JCINDB	4187	11.06	4.92	1.0	19.0
S12JCINDB	3022	11.00	4.90	1.0	19.0
R10JCINDC	6066	11.16	5.00	1.0	19.0
R11JCINDC	5939	11.27	4.96	1.0	19.0
R12JCINDC	5452	11.25	4.94	1.0	19.0
S10JCINDC	4131	10.76	5.02	1.0	19.0
S11JCINDC	4082	10.96	5.00	1.0	19.0
S12JCINDC	3687	10.92	4.98	1.0	19.0

Categorical Variable Codes

Value	R1JCIND	R2JCIND	R3JCIND	R4JCIND	R5JCIND	R6JCIND	R7JCIND
.M=Oth missing	66	73	102	452	303	166	149
.Q=Not asked this wv		788	650				
.W=Skip,not working	4259	11789	11121	12943	12339	12082	12265
01.Agric/Forest/Fish	278	241	203	267	224	227	248
02.Mining and Constr	508	418	358	427	382	314	456
03.Mnfg: Non-durable	611	489	397	496	373	291	361
04.Mnfg: Durable	903	697	585	713	577	447	564
05.Transportation	570	467	398	496	414	322	448
06.Wholesale	320	251	250	324	259	236	312
07.Retail	933	804	695	936	809	699	874
08.Finan/Ins/RealEs	528	452	412	579	507	449	596
09.Busns/Repair Svc	491	430	418	564	534	449	557
10.Personal Service	412	363	319	441	352	335	412
11.Entertn/Recreatn	125	100	102	159	131	124	160
12.Prof/Related Svcs	2244	1949	1706	2234	2036	1774	2350
13.Public Administration	404	331	275	353	339	250	377

Value	R8JCIND	R9JCIND	R10JCIND	R11JCIND	R12JCIND
.B=Other Census code	1594	2089	6160	5958	5407
.M=Oth missing	83	50	234	73	56
.W=Skip,not working	11814	11321	12970	12545	11847
01.Agric/Forest/Fish	146	122	99	68	44
02.Mining and Constr	267	202	133	97	67
03.Mnfg: Non-durable	234	168	101	70	55
04.Mnfg: Durable	388	270	173	124	88
05.Transportation	301	231	158	105	76
06.Wholesale	209	166	110	83	59
07.Retail	531	393	271	209	137
08.Finan/Ins/RealEs	396	301	213	167	114
09.Busns/Repair Svc	335	252	183	133	109
10.Personal Service	213	153	121	90	73
11.Entertn/Recreatn	96	66	50	40	23
12.Prof/Related Svcs	1594	1220	911	683	522
13.Public Administration	268	213	147	109	71

Value	S1JCIND	S2JCIND	S3JCIND	S4JCIND	S5JCIND	S6JCIND	S7JCIND
.M=Oth missing	34	42	53	285	181	108	89
.Q=Not asked this wv		522	415				
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
.W=Skip,not working	3293	7057	6727	7731	7341	7124	7202
01.Agric/Forest/Fish	238	204	180	225	191	187	200
02.Mining and Constr	440	367	306	360	309	245	369
03.Mnfg: Non-durable	489	385	309	369	288	227	278
04.Mnfg: Durable	737	569	473	558	463	366	450
05.Transportation	473	378	321	369	318	247	351
06.Wholesale	271	210	209	265	214	186	251
07.Retail	737	638	548	686	590	513	629
08.Finan/Ins/RealEs	432	364	323	447	393	341	457
09.Busns/Repair Svc	384	341	327	437	407	343	416
10.Personal Service	299	253	206	265	222	211	246
11.Entertn/Recreatn	85	69	70	112	87	82	112
12.Prof/Related Svcs	1672	1427	1236	1597	1477	1272	1654
13.Public Administration	316	262	212	272	249	187	268

Value	S8JCIND	S9JCIND	S10JCIND	S11JCIND	S12JCIND
.B=Other Census code	1149	1482	4158	4067	3646
.M=Oth missing	46	30	136	28	22
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
01.Agric/Forest/Fish	122	104	79	51	34
02.Mining and Constr	214	153	98	71	52

03.Mnfg: Non-durable	177	125	79	52	41
04.Mnfg: Durable	310	211	134	95	65
05.Transportation	236	187	127	86	63
06.Wholesale	167	131	91	66	52
07.Retail	379	274	185	136	91
08.Finan/Ins/RealEs	310	246	166	133	91
09.Busns/Repair Svc	257	193	151	110	82
10.Personal Service	130	91	67	50	39
11.Entertn/Recreatn	70	46	32	24	13
12.Prof/Related Svcs	1117	832	620	465	340
13.Public Administration	192	148	104	79	51

Value	R7JCINDB
.M=Oth missing	74
.P=From previous Census cod	2979
.W=Skip,not working	12265
01.Agric/Forest/Fish/Huntin	153
02.Mining	19
03.Utilities	51
04.Construction	361
05.Manufacturing (continued	532
06.Wholesale Trade	173
07.Retail Trade	446
08.Transport/Warehousing	183
09.Information	83
10.Finance/Insurance	212
11.Real Estate/Rental/Leasi	193
12.Prof/Scientific/Tech Svc	292
13.Mgmnt/Admin/Support/Wast	203
14.Educational Services	380
15.Health Care/Social Assis	643
16.Arts/Entertain/Recreatio	134
17.Accomodations/Food Svcs	168
18.Other Svcs/Except PubAdm	404
19.PubAdmin/Active Duty Mil	181

Value	R8JCINDB	R9JCINDB	R10JCINDB	R11JCINDB	R12JCINDB
.B=Other Census code				1895	2417
.M=Oth missing	78	53	269	69	55
.P=From previous Census cod	1973	10	44	40	31
.W=Skip,not working	11814	11321	12970	12545	11847
01.Agric/Forest/Fish/Huntin	129	131	162	102	68
02.Mining	15	20	37	25	17
03.Utilities	47	63	89	56	39
04.Construction	325	311	469	292	221
05.Manufacturing (continued	471	617	950	665	505
06.Wholesale Trade	155	203	282	188	139
07.Retail Trade	450	560	749	500	359
08.Transport/Warehousing	187	248	457	312	224
09.Information	79	106	145	100	74
10.Finance/Insurance	203	257	344	257	185
11.Real Estate/Rental/Leasi	196	205	265	190	137
12.Prof/Scientific/Tech Svc	291	348	480	341	271
13.Mgmnt/Admin/Support/Wast	183	225	369	225	155
14.Educational Services	393	601	893	674	523
15.Health Care/Social Assis	628	871	1472	998	723
16.Arts/Entertain/Recreatio	117	131	182	125	85
17.Accomodations/Food Svcs	166	249	349	234	151
18.Other Svcs/Except PubAdm	395	428	641	417	305
19.PubAdmin/Active Duty Mil	174	259	416	304	217

Value	S7JCINDB
.M=Oth missing	38
.P=From previous Census cod	2165
.U=Unmarried	6777
.V=Spouse NR	380
.W=Skip,not working	7202
01.Agric/Forest/Fish/Huntin	131
02.Mining	17
03.Utilities	44
04.Construction	292
05.Manufacturing (continued	416
06.Wholesale Trade	134
07.Retail Trade	332
08.Transport/Warehousing	145
09.Information	60
10.Finance/Insurance	166
11.Real Estate/Rental/Leasi	144
12.Prof/Scientific/Tech Svc	222
13.Mgmnt/Admin/Support/Wast	144
14.Educational Services	283
15.Health Care/Social Assis	416
16.Arts/Entertain/Recreatio	102
17.Accomodations/Food Svcs	119
18.Other Svcs/Except PubAdm	279
19.PubAdmin/Active Duty Mil	121

Value	S8JCINDB	S9JCINDB	S10JCINDB	S11JCINDB	S12JCINDB
.B=Other Census code				1271	1617
.M=Oth missing	45	30	160	26	23
.P=From previous Census cod	1405	7	30	29	20
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Skip,not working	6859	6393	7286	6975	6349
01.Agric/Forest/Fish/Huntin	111	108	128	80	57
02.Mining	14	17	29	18	14
03.Utilities	41	54	66	40	27
04.Construction	263	239	361	229	165
05.Manufacturing (continued	371	486	725	503	371
06.Wholesale Trade	123	161	218	145	106
07.Retail Trade	333	403	511	327	241
08.Transport/Warehousing	149	191	332	238	168
09.Information	63	74	98	65	49
10.Finance/Insurance	165	207	265	197	140
11.Real Estate/Rental/Leasi	141	154	194	141	104
12.Prof/Scientific/Tech Svc	219	260	351	258	198
13.Mgmnt/Admin/Support/Wast	135	163	247	158	108
14.Educational Services	291	429	628	476	358
15.Health Care/Social Assis	413	556	892	613	429
16.Arts/Entertain/Recreatio	89	94	125	80	55
17.Accomodations/Food Svcs	119	156	214	151	108
18.Other Svcs/Except PubAdm	265	282	381	259	179
19.PubAdmin/Active Duty Mil	121	182	272	209	145

Value	R10JCINDC	R11JCINDC	R12JCINDC
.M=Oth missing	631	357	247
.P=From previous Census cod	2367	1713	1202
.W=Skip,not working	12970	12545	11847
01.Agric/Forest/Fish/Huntin	140	126	117
02.Mining	25	18	16
03.Utilities	56	43	35
04.Construction	392	369	332
05.Manufacturing (continued	647	622	574
06.Wholesale Trade	187	186	173
07.Retail Trade	492	489	466
08.Transport/Warehousing	322	313	284
09.Information	93	77	77
10.Finance/Insurance	234	240	208
11.Real Estate/Rental/Leasi	206	206	183
12.Prof/Scientific/Tech Svc	375	361	331
13.Mgmnt/Admin/Support/Wast	301	282	275
14.Educational Services	491	506	467
15.Health Care/Social Assis	996	990	926
16.Arts/Entertain/Recreatio	131	128	116
17.Accomodations/Food Svcs	234	257	217
18.Other Svcs/Except PubAdm	491	487	443
19.PubAdmin/Active Duty Mil	253	239	212

Value	S10JCINDC	S11JCINDC	S12JCINDC
.M=Oth missing	420	222	155
.P=From previous Census cod	1676	1209	840
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
.W=Skip,not working	7286	6975	6349
01.Agric/Forest/Fish/Huntin	113	101	97
02.Mining	20	12	13
03.Utilities	42	35	29
04.Construction	298	282	243
05.Manufacturing (continued	482	462	415
06.Wholesale Trade	135	134	128
07.Retail Trade	341	323	311
08.Transport/Warehousing	229	239	200
09.Information	59	53	54
10.Finance/Insurance	178	174	149
11.Real Estate/Rental/Leasi	152	149	130
12.Prof/Scientific/Tech Svc	276	268	252
13.Mgmnt/Admin/Support/Wast	197	191	177
14.Educational Services	339	347	309
15.Health Care/Social Assis	582	589	562
16.Arts/Entertain/Recreatio	92	82	65
17.Accomodations/Food Svcs	149	175	148
18.Other Svcs/Except PubAdm	292	313	273
19.PubAdmin/Active Duty Mil	155	153	132

How Constructed

RwJCIND is the industry of the Respondent's current job in Wave 'w.' RwJCINDB is the Respondent's current job industry based on the 2002 Census industries used beginning in Wave 8. RwJCINDC is the Respondent's current job industry based on the 2007 Census industries used beginning in Wave 10.

The current job industry is usually taken from the interview when the job was first reported. It is carried forward if the Respondent continues working at the same job and position. If the Respondent is self-employed and reports a new industry, then the current interview values are used.

In Waves 2A and 3A, industry information is NOT collected for any job. So for the AHEAD Respondents, R2JCIND and R3JCIND are set to the .Q SAS special missing value, to indicate that no information is available.

From Wave 7-10, HRS begins using a different set of industry codes, based on the 2002 Census. Before Wave 7 there are 13 possible industry codes; from Wave 7-10, there are 19 codes. RwJCINDB begins with R7JCINDB and provides the new code set. In Wave 7 only, we have both sets of codes stored in R7JCIND and R7JCINDB.

If this question is not asked in Wave 7 because the Respondent has not changed jobs or job title, then R7JCINDB is set to .P, for industry taken from prior wave and R7JCIND provides the 1980 Census-based industry. If R7JCINDB is provided but the Respondent did not change jobs, s/he may have values for both R7JCIND and R7JCINDB. If the Respondent started a new job in Wave 7, then R7JCIND is set to .B, to indicate that the industry code for the current job is taken from Wave 7 when the HRS begins to use the 2002 Census industries, which R7JCINDB provides.

Beginning in Wave 10, HRS begins using a different set of industry codes, based on the 2007 Census. The number of industry codes remains 19. RwJCINDC begins with R10JCINDC and provides the new code set. In Wave 10 only, we have both sets of codes stored in R10JCINDB and R10JCINDC.

If this question is not asked in Wave 10 because the Respondent has not changed jobs or job title, then R10JCINDC is set to .P, for industry taken from prior wave and R10JCINDB provides the 2002 Census-based industry. If R10JCINDC is provided but the Respondent did not change jobs, s/he may have values for both R10JCINDB and R10JCINDC. If the Respondent started a new job in Wave 10, then R10JCIND and R10JCINDB are set to .B, to indicate that the industry code for the current job is taken from Wave 10 when the HRS begins to use the 2007 Census industries, which R10JCINDC provides.

If the Respondent is not working, this variable is set to a .W missing code.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCIND, RwJCINDB and RwJCINDC.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Before Wave 7, the industry codes are based on those used in the 1980 Census, assigned to one of 13 categories. From Wave 7-10, they are based on 2002 Census industries, assigned to one of 19 categories. Beginning in Wave 10, they are based on 2007 Census industries, assigned to one of 19 categories.

HRS Variables Used

```
HRS 1992:
    V2719           F4:IND:1980 CENSUS IND
    V2820           F26:IND:1980 CENSUS IND
HRS 1994:
    W3608           FA41a.INDUSTRY
    W4312A          FB15.INDUSTRY
HRS 1996:
    E2730M          G41A/G42. IND
HRS 1998:
    F3253M          G41A.IND - MASKED
HRS 2000:
    G3503M          G41A.IND - MASKED
HRS 2002:
    HJ166M          WORK IN WHAT INDUSTRY - MASKED
HRS 2004:
    JJ166M          WORK IN WHAT INDUSTRY - MASKED
    JJ166M_00       WORK IN WHAT INDUSTRY 2000 Census-MASKED
HRS 2006:
    KJ166M          WORK IN WHAT INDUSTRY-MASKED
HRS 2008:
    LJ166M          WORK IN WHAT INDUSTRY-MASKED
HRS 2010:
    MJ166M          WORK IN WHAT INDUSTRY-MASKED
    MJ166M_10       WORK IN WHAT INDUSTRY  2007 Census-MASKED
HRS 2012:
    NJ166M          WORK IN WHAT INDUSTRY-MASKED
HRS 2014:
    OJ166M          WORK IN WHAT INDUSTRY-MASKED
```

Respondent belongs to a Union

Wave	Variable	Label	Type
1	R1UNION	R1UNION:W1 R is covered by a union	Categ
2	R2UNION	R2UNION:W2 R is covered by a union	Categ
3	R3UNION	R3UNION:W3 R is covered by a union	Categ
4	R4UNION	R4UNION:W4 R is covered by a union	Categ
5	R5UNION	R5UNION:W5 R is covered by a union	Categ
6	R6UNION	R6UNION:W6 R is covered by a union	Categ
7	R7UNION	R7UNION:W7 R is covered by a union	Categ
8	R8UNION	R8UNION:W8 R is covered by a union	Categ
9	R9UNION	R9UNION:W9 R is covered by a union	Categ
10	R10UNION	R10UNION:W10 R is covered by a union	Categ
11	R11UNION	R11UNION:W11 R is covered by a union	Categ
12	R12UNION	R12UNION:W12 R is covered by a union	Categ
1	S1UNION	S1UNION:W1 S is covered by a union	Categ
2	S2UNION	S2UNION:W2 S is covered by a union	Categ
3	S3UNION	S3UNION:W3 S is covered by a union	Categ
4	S4UNION	S4UNION:W4 S is covered by a union	Categ
5	S5UNION	S5UNION:W5 S is covered by a union	Categ
6	S6UNION	S6UNION:W6 S is covered by a union	Categ
7	S7UNION	S7UNION:W7 S is covered by a union	Categ
8	S8UNION	S8UNION:W8 S is covered by a union	Categ
9	S9UNION	S9UNION:W9 S is covered by a union	Categ
10	S10UNION	S10UNION:W10 S is covered by a union	Categ
11	S11UNION	S11UNION:W11 S is covered by a union	Categ
12	S12UNION	S12UNION:W12 S is covered by a union	Categ
2	R2UNIONF	R2UNIONF:W2 Carried forward value from prev wave	Categ
3	R3UNIONF	R3UNIONF:W3 Carried forward value from prev wave	Categ
4	R4UNIONF	R4UNIONF:W4 Carried forward value from prev wave	Categ
5	R5UNIONF	R5UNIONF:W5 Carried forward value from prev wave	Categ
6	R6UNIONF	R6UNIONF:W6 Carried forward value from prev wave	Categ
7	R7UNIONF	R7UNIONF:W7 Carried forward value from prev wave	Categ
8	R8UNIONF	R8UNIONF:W8 Carried forward value from prev wave	Categ
9	R9UNIONF	R9UNIONF:W9 Carried forward value from prev wave	Categ
10	R10UNIONF	R10UNIONF:W10 Carried forward value from prev wave	Categ
11	R11UNIONF	R11UNIONF:W11 Carried forward value from prev wave	Categ
12	R12UNIONF	R12UNIONF:W12 Carried forward value from prev wave	Categ
2	S2UNIONF	S2UNIONF:W2 Carried forward value from prev wave	Categ
3	S3UNIONF	S3UNIONF:W3 Carried forward value from prev wave	Categ
4	S4UNIONF	S4UNIONF:W4 Carried forward value from prev wave	Categ
5	S5UNIONF	S5UNIONF:W5 Carried forward value from prev wave	Categ
6	S6UNIONF	S6UNIONF:W6 Carried forward value from prev wave	Categ
7	S7UNIONF	S7UNIONF:W7 Carried forward value from prev wave	Categ
8	S8UNIONF	S8UNIONF:W8 Carried forward value from prev wave	Categ
9	S9UNIONF	S9UNIONF:W9 Carried forward value from prev wave	Categ
10	S10UNIONF	S10UNIONF:W10 Carried forward value from prev wave	Categ
11	S11UNIONF	S11UNIONF:W11 Carried forward value from prev wave	Categ
12	S12UNIONF	S12UNIONF:W12 Carried forward value from prev wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1UNION	8340	0.21	0.41	0.0	1.0
R2UNION	7017	0.20	0.40	0.0	1.0
R3UNION	6410	0.17	0.38	0.0	1.0
R4UNION	7438	0.18	0.39	0.0	1.0
R5UNION	6552	0.17	0.38	0.0	1.0
R6UNION	6036	0.14	0.35	0.0	1.0

R7UNION	7125	0.16	0.37	0.0	1.0
R8UNION	5966	0.14	0.35	0.0	1.0
R9UNION	5200	0.14	0.35	0.0	1.0
R10UNION	7621	0.17	0.38	0.0	1.0
R11UNION	6794	0.17	0.37	0.0	1.0
R12UNION	5848	0.16	0.37	0.0	1.0
S1UNION	6571	0.21	0.40	0.0	1.0
S2UNION	5480	0.19	0.39	0.0	1.0
S3UNION	4915	0.17	0.37	0.0	1.0
S4UNION	5542	0.18	0.38	0.0	1.0
S5UNION	4881	0.17	0.38	0.0	1.0
S6UNION	4486	0.14	0.35	0.0	1.0
S7UNION	5219	0.16	0.36	0.0	1.0
S8UNION	4355	0.14	0.34	0.0	1.0
S9UNION	3756	0.14	0.34	0.0	1.0
S10UNION	5234	0.16	0.37	0.0	1.0
S11UNION	4660	0.16	0.37	0.0	1.0
S12UNION	3950	0.16	0.36	0.0	1.0
R2UNIONF	19642	0.19	0.40	0.0	1.0
R3UNIONF	17991	0.19	0.39	0.0	1.0
R4UNIONF	21384	0.17	0.37	0.0	1.0
R5UNIONF	19579	0.05	0.21	0.0	1.0
R6UNIONF	18165	0.15	0.36	0.0	1.0
R7UNIONF	20129	0.19	0.39	0.0	1.0
R8UNIONF	18469	0.15	0.36	0.0	1.0
R9UNIONF	17217	0.05	0.21	0.0	1.0
R10UNIONF	22034	0.15	0.35	0.0	1.0
R11UNIONF	20554	0.24	0.43	0.0	1.0
R12UNIONF	18748	0.23	0.42	0.0	1.0
S2UNIONF	13088	0.23	0.42	0.0	1.0
S3UNIONF	11915	0.21	0.41	0.0	1.0
S4UNIONF	13978	0.19	0.39	0.0	1.0
S5UNIONF	12730	0.06	0.23	0.0	1.0
S6UNIONF	11639	0.17	0.37	0.0	1.0
S7UNIONF	12972	0.22	0.41	0.0	1.0
S8UNIONF	11735	0.18	0.38	0.0	1.0
S9UNIONF	10646	0.06	0.24	0.0	1.0
S10UNIONF	13513	0.17	0.38	0.0	1.0
S11UNIONF	12488	0.28	0.45	0.0	1.0
S12UNIONF	11031	0.27	0.44	0.0	1.0

Categorical Variable Codes

Value	R1UNION	R2UNION	R3UNION	R4UNION	R5UNION	R6UNION	R7UNION
.D=DK	5	10	7	12	22	6	17
.E=Self-employed			1	689	602		650
.M=Oth missing		15	393	255	24	8	40
.Q=Not asked this wv		8222					
.R=RF	25	2	6	4	3	12	9
.W=Not working	4282	4376	11174	12986	12376	12103	12288
0.No	6560	5641	5310	6075	5422	5161	5985
1.Yes	1780	1376	1100	1363	1130	875	1140

Value	R8UNION	R9UNION	R10UNION	R11UNION	R12UNION
.D=DK	13	14	22	13	15
.E=Self-employed	605	620	1139	1040	910
.M=Oth missing	58	38	72	107	86
.R=RF		6	2	3	3
.W=Not working	11827	11339	13178	12597	11886
0.No	5112	4450	6293	5651	4894
1.Yes	854	750	1328	1143	954

Value	S1UNION	S2UNION	S3UNION	S4UNION	S5UNION	S6UNION	S7UNION
.D=DK	5	7	6	9	20	3	12
.E=Self-employed			1	510	459		499
.M=Oth missing		12	249	173	18	8	28
.Q=Not asked this wv		4549					
.R=RF	19	1	2	3	2	10	5
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	384	418	537	311	220	380
.W=Not working	3305	3239	6742	7741	7350	7132	7209
0.No	5215	4445	4094	4566	4043	3865	4397
1.Yes	1356	1035	821	976	838	621	822

Value	S8UNION	S9UNION	S10UNION	S11UNION	S12UNION
.D=DK	7	7	9	9	7
.E=Self-employed	468	457	818	760	660
.M=Oth missing	43	21	46	67	48
.R=RF		3	1	1	2
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
.W=Not working	6862	6402	7405	6991	6364
0.No	3757	3245	4376	3916	3336
1.Yes	598	511	858	744	614

Value	R2UNIONF	R3UNIONF	R4UNIONF	R5UNIONF	R6UNIONF	R7UNIONF
0.Value not carried forward	15815	14660	17846	18645	15471	16325
1.Value from prev wv carrie	3827	3331	3538	934	2694	3804

Value	R8UNIONF	R9UNIONF	R10UNIONF	R11UNIONF	R12UNIONF
0.Value not carried forward	15661	16396	18797	15544	14391
1.Value from prev wv carrie	2808	821	3237	5010	4357

Value	S2UNIONF	S3UNIONF	S4UNIONF	S5UNIONF	S6UNIONF	S7UNIONF
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.Value not carried forward	10122	9375	11297	11995	9680	10134
1.Value from prev wv carrie	2966	2540	2681	735	1959	2838

Value	S8UNIONF	S9UNIONF	S10UNIONF	S11UNIONF	S12UNIONF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Value not carried forward	9634	10013	11198	9018	8073
1.Value from prev wv carrie	2101	633	2315	3470	2958

How Constructed

RwUNION indicates whether the Respondent is covered by a union or employee-association contract, and RwUNIONF provides additional detail about the source of information for RwUNION. SwUNION and SwUNIONF provide the information for the Respondent's spouse or partner.

The question is the same in all waves: "Are you covered by a union or employee-association contract?" If the Respondent is not asked this question, is still working for the same employer, and has not changed job title, then their previous wave response is carried forward. These skip patterns do differ slightly across waves, so please read the Cross Wave Differences section below.

RwUNION is set to "1" if the Respondent reports being covered by a union. RwUNION is set to "0" if the Respondent is not covered by a union. RwUNION is set to .D for "Don't Know" and .R for "Refused" if the Respondent does not know or does not answer. It is set to .W if skipped because the Respondent has no current job, and set to .E if the question was skipped because the Respondent is self-employed. In the earlier waves, self-employed Respondents are asked this question, but in later waves they skip the union question. Again, please refer to the Cross Wave Differences section for a full explanation If a value has been carried forward from a previous wave, then RwUNIONF is set to "1." If the value has been obtained from the current wave then RwUNIONF=0. If the Respondent reports being self-employed in the previous wave but is not self-employed in the current wave, we do not carry forward the special missing value (.E). Instead, we set RwUNIONF=2 and RwUNION=.M:Missing.

SwUNION and SwUNIONF information is taken from the spouse's self-reported RwUNION and RwUNIONF variables, if available. If the Respondent is not married, SwUNION and SwUNIONF are set to .U=unmarried. If the Respondent's spouse did not respond, then SwUNION and SwUNIONF are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

The question is the same in all waves, "Are you covered by a union or employee-association contract?" In Wave 1, the question is asked of all Respondents, whether or not they are self-employed.

In Wave 2H, we carry forward the Wave 1 response for anyone who did not respond in Wave 2H, but who had the same employer as Wave 1, and whose job title did not change.

This question was not asked in Wave 2A.

From Wave 3H onward, we carry forward the previous response, once it is established that the Respondent's employer has not changed and their job title has not changed. We do not carry forward the special missing value (.Q) for when the question was not asked in the survey.

From Wave 7 onward, Respondents that report being self-employed skip this question. But if the self-employed Respondents have answered the question in a previous wave, then we do carry the value forward. For those who are self-employed and have never been asked the question, we assign the special missing value of .E.

HRS Variables Used

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HRS 1992:
    V2721           F7:YR STARTD THIS KN WRK
    V2819           F25:UNION CONTRACT
    V2837           F35:UNION COVERAGE
HRS 1994:
    W3458           FA19.STILL WORKING FOR W
    W3502           FA21.SAME JOB TITLE AS W
    W3709           FA62.UNION/EMPLOYEE-ASSO
    W4374           FB25.UNION/EMPLOYEE-ASSO
AHEAD 1995:
    D3286           GB25. WHETHER UNIONIZED
HRS 1996:
    E2832           G66_.BRANCHPOINT
    E2833           G66.UNION/EMPLOYEE-ASSOCIATION
HRS 1998:
    F3355           G66 BRANCHPOINT
    F3356           G66.UNION/EMPLOYEE-ASSOCIATION
HRS 2000:
    G3615           G66Y1.G66 BRANCHPOINT
    G3616           G66.UNION/EMPLOYEE-ASSOCIATION
HRS 2002:
    HJ265           J265 BRANCHPOINT
    HJ266           UNION/EMPLOYEE-ASSOCIATION
HRS 2004:
    JJ265           J265 BRANCHPOINT
    JJ266           UNION/EMPLOYEE-ASSOCIATION
HRS 2006:
    KJ265           J265 BRANCHPOINT
    KJ266           UNION/EMPLOYEE-ASSOCIATION
HRS 2008:
    LJ045           STILL WORKING PREV EMPLOYER
    LJ058           SAME JOB TITLE AS PREVIOUS WAVE
    LJ266           UNION/EMPLOYEE-ASSOCIATION
HRS 2010:
    MJ045           STILL WORKING PREV EMPLOYER
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    MJ058           SAME JOB TITLE AS PREVIOUS WAVE
    MJ266           UNION/EMPLOYEE-ASSOCIATION
HRS 2012:
    NJ045           STILL WORKING PREV EMPLOYER
    NJ058           SAME JOB TITLE AS PREVIOUS WAVE
    NJ266           UNION/EMPLOYEE-ASSOCIATION
HRS 2014:
    OJ045           STILL WORKING PREV EMPLOYER
    OJ058           SAME JOB TITLE AS PREVIOUS WAVE
    OJ266           UNION/EMPLOYEE-ASSOCIATION
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Firm Size

Wave	Variable	Label	Type
1	R1FSIZE	R1FSIZE:W1 Size of firm or business	Cont
2	R2FSIZE	R2FSIZE:W2 Size of firm or business	Cont
3	R3FSIZE	R3FSIZE:W3 Size of firm or business	Cont
4	R4FSIZE	R4FSIZE:W4 Size of firm or business	Cont
5	R5FSIZE	R5FSIZE:W5 Size of firm or business	Cont
6	R6FSIZE	R6FSIZE:W6 Size of firm or business	Cont
7	R7FSIZE	R7FSIZE:W7 Size of firm or business	Cont
8	R8FSIZE	R8FSIZE:W8 Size of firm or business	Cont
9	R9FSIZE	R9FSIZE:W9 Size of firm or business	Cont
10	R10FSIZE	R10FSIZE:W10 Size of firm or business	Cont
11	R11FSIZE	R11FSIZE:W11 Size of firm or business	Cont
12	R12FSIZE	R12FSIZE:W12 Size of firm or business	Cont
1	S1FSIZE	S1FSIZE:W1 Size of firm or business	Cont
2	S2FSIZE	S2FSIZE:W2 Size of firm or business	Cont
3	S3FSIZE	S3FSIZE:W3 Size of firm or business	Cont
4	S4FSIZE	S4FSIZE:W4 Size of firm or business	Cont
5	S5FSIZE	S5FSIZE:W5 Size of firm or business	Cont
6	S6FSIZE	S6FSIZE:W6 Size of firm or business	Cont
7	S7FSIZE	S7FSIZE:W7 Size of firm or business	Cont
8	S8FSIZE	S8FSIZE:W8 Size of firm or business	Cont
9	S9FSIZE	S9FSIZE:W9 Size of firm or business	Cont
10	S10FSIZE	S10FSIZE:W10 Size of firm or business	Cont
11	S11FSIZE	S11FSIZE:W11 Size of firm or business	Cont
12	S12FSIZE	S12FSIZE:W12 Size of firm or business	Cont
2	R2FSIZEF	R2FSIZEF:W2 Value carried forward from previous wave	Categ
3	R3FSIZEF	R3FSIZEF:W3 Value carried forward from previous wave	Categ
4	R4FSIZEF	R4FSIZEF:W4 Value carried forward from previous wave	Categ
5	R5FSIZEF	R5FSIZEF:W5 Value carried forward from previous wave	Categ
6	R6FSIZEF	R6FSIZEF:W6 Value carried forward from previous wave	Categ
7	R7FSIZEF	R7FSIZEF:W7 Value carried forward from previous wave	Categ
8	R8FSIZEF	R8FSIZEF:W8 Value carried forward from previous wave	Categ
9	R9FSIZEF	R9FSIZEF:W9 Value carried forward from previous wave	Categ
10	R10FSIZEF	R10FSIZEF:W10 Value carried forward from previous wave	Categ
11	R11FSIZEF	R11FSIZEF:W11 Value carried forward from previous wave	Categ
12	R12FSIZEF	R12FSIZEF:W12 Value carried forward from previous wave	Categ
2	S2FSIZEF	S2FSIZEF:W2 Value carried forward from previous wave	Categ
3	S3FSIZEF	S3FSIZEF:W3 Value carried forward from previous wave	Categ
4	S4FSIZEF	S4FSIZEF:W4 Value carried forward from previous wave	Categ
5	S5FSIZEF	S5FSIZEF:W5 Value carried forward from previous wave	Categ
6	S6FSIZEF	S6FSIZEF:W6 Value carried forward from previous wave	Categ
7	S7FSIZEF	S7FSIZEF:W7 Value carried forward from previous wave	Categ
8	S8FSIZEF	S8FSIZEF:W8 Value carried forward from previous wave	Categ
9	S9FSIZEF	S9FSIZEF:W9 Value carried forward from previous wave	Categ
10	S10FSIZEF	S10FSIZEF:W10 Value carried forward from previous wave	Categ
11	S11FSIZEF	S11FSIZEF:W11 Value carried forward from previous wave	Categ
12	S12FSIZEF	S12FSIZEF:W12 Value carried forward from previous wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FSIZE	7150	408.68	1825.14	0.0	50000.0
R2FSIZE	6143	388.57	1828.58	1.0	50000.0
R3FSIZE	5116	367.75	1647.96	1.0	50000.0
R4FSIZE	7232	449.17	6022.64	0.0	450000.0
R5FSIZE	6187	406.71	6665.69	0.0	500000.0
R6FSIZE	5081	360.19	3421.12	0.0	200000.0

R7FSIZE	6733	382.18	6275.15	0.0	500000.0
R8FSIZE	5645	320.35	3042.22	0.0	200000.0
R9FSIZE	5213	402.14	5186.36	0.0	325000.0
R10FSIZE	7940	604.20	9739.48	0.0	500000.0
R11FSIZE	7110	515.93	8933.67	0.0	700000.0
R12FSIZE	6298	823.87	20555.46	0.0	1000000.0
S1FSIZE	5707	414.44	1939.12	0.0	50000.0
S2FSIZE	4850	391.29	1924.26	1.0	50000.0
S3FSIZE	3967	355.15	1709.16	1.0	50000.0
S4FSIZE	5448	456.58	6689.93	0.0	450000.0
S5FSIZE	4675	449.46	7634.03	0.0	500000.0
S6FSIZE	3817	312.95	1721.37	0.0	60000.0
S7FSIZE	5010	314.75	1597.05	0.0	60000.0
S8FSIZE	4204	344.77	3473.16	0.0	200000.0
S9FSIZE	3813	396.23	5641.20	0.0	325000.0
S10FSIZE	5542	623.18	9479.59	0.0	500000.0
S11FSIZE	4976	550.50	10561.72	0.0	700000.0
S12FSIZE	4335	764.76	19501.84	0.0	1000000.0
R2FSIZEF	19642	0.19	0.39	0.0	1.0
R3FSIZEF	17991	0.18	0.38	0.0	1.0
R4FSIZEF	21384	0.13	0.34	0.0	1.0
R5FSIZEF	19579	0.00	0.00	0.0	0.0
R6FSIZEF	18165	0.15	0.35	0.0	1.0
R7FSIZEF	20129	0.12	0.32	0.0	1.0
R8FSIZEF	18469	0.17	0.38	0.0	1.0
R9FSIZEF	17217	0.00	0.00	0.0	0.0
R10FSIZEF	22034	0.11	0.31	0.0	1.0
R11FSIZEF	20554	0.21	0.40	0.0	1.0
R12FSIZEF	18748	0.00	0.01	0.0	1.0
S2FSIZEF	13088	0.23	0.42	0.0	1.0
S3FSIZEF	11915	0.21	0.41	0.0	1.0
S4FSIZEF	13978	0.15	0.36	0.0	1.0
S5FSIZEF	12730	0.00	0.00	0.0	0.0
S6FSIZEF	11639	0.17	0.38	0.0	1.0
S7FSIZEF	12972	0.14	0.34	0.0	1.0
S8FSIZEF	11735	0.20	0.40	0.0	1.0
S9FSIZEF	10646	0.00	0.00	0.0	0.0
S10FSIZEF	13513	0.13	0.33	0.0	1.0
S11FSIZEF	12488	0.24	0.42	0.0	1.0
S12FSIZEF	11031	0.00	0.01	0.0	1.0

Categorical Variable Codes

Value	R2FSIZEF	R3FSIZEF	R4FSIZEF	R5FSIZEF	R6FSIZEF	R7FSIZEF
0.Value not carried forward	15864	14747	18565	19579	15507	17723
1.Value from prev wv carrie	3778	3244	2819		2658	2406

Value	R8FSIZEF	R9FSIZEF	R10FSIZEF	R11FSIZEF	R12FSIZEF
0.Value not carried forward	15263	17217	19595	16318	18747
1.Value from prev wv carrie	3206		2439	4236	1

Value	S2FSIZEF	S3FSIZEF	S4FSIZEF	S5FSIZEF	S6FSIZEF	S7FSIZEF
.U=Unmarried	5970	5658	6869	6538	6306	6777
.V=Spouse NR	584	418	537	311	220	380
0.Value not carried forward	10131	9430	11871	12730	9662	11200
1.Value from prev wv carrie	2957	2485	2107		1977	1772

Value	S8FSIZEF	S9FSIZEF	S10FSIZEF	S11FSIZEF	S12FSIZEF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Value not carried forward	9372	10646	11779	9545	11030
1.Value from prev wv carrie	2363		1734	2943	1

How Constructed

RwFSIZE indicates how many people work in the Respondent's place of business, and RwFSIZEF provides additional detail about the source of information for RwFSIZE. SwFSIZE and SwFSIZEF provide the information for the Respondent's spouse or partner.

The question is the same in all waves: if the Respondent is self-employed the question is, "Including yourself, how many people work in this business?" If the Respondent works for someone else the question is, "About how many employees work for this company or organization at the location where you work?" Note that we have not used the additional question "About how many employees work for this company or organization at all locations?" to code this variable. If the Respondent is not asked this question and has not changed employer then their previous wave response is carried forward. RwFSIZE is set to .D for "Don't Know" and .R for "Refused" if the Respondent does not know or does not answer. It is set to .W if skipped because the Respondent has no current job.

If a value has been carried forward from a previous wave, then RwFSIZEF is set to "1." If the value has been obtained from the current wave then RwFSIZEF is set to "0." We do not carry forward missing values such as .D or .R. Instead, we set these cases to RwFSIZE=.M for "Missing."

SwFSIZE and SwFSIZEF information is taken from the spouse's self-reported RwFSIZE and RwFSIZEF variables, if available. If the Respondent is not married, SwFSIZE and SwFSIZEF are set to .U for "Unmarried." If the Respondent's spouse did not respond, then SwFSIZE and SwFSIZEF are set to .V for "Spouse is non-response."

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

The question is the same in all waves: if the Respondent is self-employed the question is, "Including yourself, how many people work in this business?" If the Respondent works for someone else the question is, "About how many employees work for this company or organization at the location where you work?"

This question was not asked in Wave 2A.

From Wave 3H onward, we carry forward the previous response, once it is established that the Respondent's employer has not changed. We carry forward any value greater than 0. We do not carry forward any missing values.

In Wave 5 and 9, Respondents working for the same employer as the previous wave do get asked the firm size question. So for both these waves RwFSIZEF will be 0 as we do not need to carry any values forward.

In Wave 12 one respondent (HHIDPN=501112020) reports a firm size of 1,000,000. This respondent reports having the same employer since Wave 7 and in Wave 7, they reported a firm size of 1000. In Wave 8, the respondent did not know the firm size so we carried forward the Wave 7 value. It is the responsibility of the researcher to decide how to handle this reported value.

HRS Variables Used

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HRS 1992:
    V2812           F21:EMPLOYEES AT LOCAT
    V2830           F32:SELF-EMP:# OF EMPLOY
HRS 1994:
    W3458           FA19.STILL WORKING FOR W
    W3658           FA57.NUMBER EMPLOYEES AT
    W4323           FB21a.NUMBER OF EMPLOYEE
HRS 1996:
    E2629           G3_.BRANCHPOINT
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2656           G19.CHECKPOINT
    E2662           G21.SAME JOB TITLE AS PREVIOUS WAVE
    E2765           G54.NUMBER OF EMPLOYEES IN BUSINESS
    E2820           G61.NUMBER EMPLOYEES AT LOCATION
    E2821           G61A.ESTIMATED NUMBER EMPLOYEES
    E2822           G62.NUMBER EMPLOYEES AT ALL LOCATIONS
    E2824           G62A.ESTIMATED NUMBER EMPLOYEES
HRS 1998:
    F3177           G19.CHECKPOINT
    F3288           G54.NUMBER OF EMPLOYEES IN BUSINESS
    F3343           G61.NUMBER EMPLOYEES AT LOCATION
HRS 2000:
    G3432           G21.SAME JOB TITLE AS PREVIOUS WAVE
    G3548           G54.NUMBER OF EMPLOYEES IN BUSINESS
    G3603           G61.NUMBER EMPLOYEES AT LOCATION
HRS 2002:
    HJ058           SAME JOB TITLE AS PREVIOUS WAVE
    HJ201           # EMPLOYEES IN BUSINESS
    HJ244           # EMPLOYEES AT LOCATION
HRS 2004:
    JJ058           SAME JOB TITLE AS PREVIOUS WAVE
    JJ201           # EMPLOYEES IN BUSINESS
    JJ244           # EMPLOYEES AT LOCATION
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HRS 2006:
    KJ058           SAME JOB TITLE AS PREVIOUS WAVE
    KJ201           # EMPLOYEES IN BUSINESS
    KJ244           NUMBER OF EMPLOYEES AT LOCATION
HRS 2008:
    LJ058           SAME JOB TITLE AS PREVIOUS WAVE
    LJ201           # EMPLOYEES IN BUSINESS
    LJ244           NUMBER OF EMPLOYEES AT LOCATION
HRS 2010:
    MJ058           SAME JOB TITLE AS PREVIOUS WAVE
    MJ201           # EMPLOYEES IN BUSINESS
    MJ244           NUMBER OF EMPLOYEES AT LOCATION
HRS 2012:
    NJ058           SAME JOB TITLE AS PREVIOUS WAVE
    NJ201           # EMPLOYEES IN BUSINESS
    NJ244           NUMBER OF EMPLOYEES AT LOCATION
HRS 2014:
    OJ058           SAME JOB TITLE AS PREVIOUS WAVE
    OJ201           # EMPLOYEES IN BUSINESS
    OJ244           NUMBER OF EMPLOYEES AT LOCATION
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Years of tenure at longest reported job

Wave	Variable	Label	Type
1	R1JLTEN	R1JLTEN:W1 Longest Job Tenure	Cont
2	R2JLTEN	R2JLTEN:W2 Longest Job Tenure	Cont
3	R3JLTEN	R3JLTEN:W3 Longest Job Tenure	Cont
4	R4JLTEN	R4JLTEN:W4 Longest Job Tenure	Cont
5	R5JLTEN	R5JLTEN:W5 Longest Job Tenure	Cont
6	R6JLTEN	R6JLTEN:W6 Longest Job Tenure	Cont
7	R7JLTEN	R7JLTEN:W7 Longest Job Tenure	Cont
8	R8JLTEN	R8JLTEN:W8 Longest Job Tenure	Cont
9	R9JLTEN	R9JLTEN:W9 Longest Job Tenure	Cont
10	R10JLTEN	R10JLTEN:W10 Longest Job Tenure	Cont
11	R11JLTEN	R11JLTEN:W11 Longest Job Tenure	Cont
12	R12JLTEN	R12JLTEN:W12 Longest Job Tenure	Cont
1	S1JLTEN	S1JLTEN:W1 Longest Job Tenure	Cont
2	S2JLTEN	S2JLTEN:W2 Longest Job Tenure	Cont
3	S3JLTEN	S3JLTEN:W3 Longest Job Tenure	Cont
4	S4JLTEN	S4JLTEN:W4 Longest Job Tenure	Cont
5	S5JLTEN	S5JLTEN:W5 Longest Job Tenure	Cont
6	S6JLTEN	S6JLTEN:W6 Longest Job Tenure	Cont
7	S7JLTEN	S7JLTEN:W7 Longest Job Tenure	Cont
8	S8JLTEN	S8JLTEN:W8 Longest Job Tenure	Cont
9	S9JLTEN	S9JLTEN:W9 Longest Job Tenure	Cont
10	S10JLTEN	S10JLTEN:W10 Longest Job Tenure	Cont
11	S11JLTEN	S11JLTEN:W11 Longest Job Tenure	Cont
12	S12JLTEN	S12JLTEN:W12 Longest Job Tenure	Cont
1	R1JLMIS	R1JLMIS:W1 Longest Job # Jobs date=miss	Cont
2	R2JLMIS	R2JLMIS:W2 Longest Job # Jobs date=miss	Cont
3	R3JLMIS	R3JLMIS:W3 Longest Job # Jobs date=miss	Cont
4	R4JLMIS	R4JLMIS:W4 Longest Job # Jobs date=miss	Cont
5	R5JLMIS	R5JLMIS:W5 Longest Job # Jobs date=miss	Cont
6	R6JLMIS	R6JLMIS:W6 Longest Job # Jobs date=miss	Cont
7	R7JLMIS	R7JLMIS:W7 Longest Job # Jobs date=miss	Cont
8	R8JLMIS	R8JLMIS:W8 Longest Job # Jobs date=miss	Cont
9	R9JLMIS	R9JLMIS:W9 Longest Job # Jobs date=miss	Cont
10	R10JLMIS	R10JLMIS:W10 Longest Job # Jobs date=miss	Cont
11	R11JLMIS	R11JLMIS:W11 Longest Job # Jobs date=miss	Cont
12	R12JLMIS	R12JLMIS:W12 Longest Job # Jobs date=miss	Cont
1	S1JLMIS	S1JLMIS:W1 Longest Job # Jobs date=miss	Cont
2	S2JLMIS	S2JLMIS:W2 Longest Job # Jobs date=miss	Cont
3	S3JLMIS	S3JLMIS:W3 Longest Job # Jobs date=miss	Cont
4	S4JLMIS	S4JLMIS:W4 Longest Job # Jobs date=miss	Cont
5	S5JLMIS	S5JLMIS:W5 Longest Job # Jobs date=miss	Cont
6	S6JLMIS	S6JLMIS:W6 Longest Job # Jobs date=miss	Cont
7	S7JLMIS	S7JLMIS:W7 Longest Job # Jobs date=miss	Cont
8	S8JLMIS	S8JLMIS:W8 Longest Job # Jobs date=miss	Cont
9	S9JLMIS	S9JLMIS:W9 Longest Job # Jobs date=miss	Cont
10	S10JLMIS	S10JLMIS:W10 Longest Job # Jobs date=miss	Cont
11	S11JLMIS	S11JLMIS:W11 Longest Job # Jobs date=miss	Cont
12	S12JLMIS	S12JLMIS:W12 Longest Job # Jobs date=miss	Cont
1	R1JLTENF	R1JLTENF:W1 Long Job Tenure/fill in flag	Categ
2	R2JLTENF	R2JLTENF:W2 Long Job Tenure/fill in flag	Categ
3	R3JLTENF	R3JLTENF:W3 Long Job Tenure/fill in flag	Categ
4	R4JLTENF	R4JLTENF:W4 Long Job Tenure/fill in flag	Categ
5	R5JLTENF	R5JLTENF:W5 Long Job Tenure/fill in flag	Categ
6	R6JLTENF	R6JLTENF:W6 Long Job Tenure/fill in flag	Categ
7	R7JLTENF	R7JLTENF:W7 Long Job Tenure/fill in flag	Categ
8	R8JLTENF	R8JLTENF:W8 Long Job Tenure/fill in flag	Categ
9	R9JLTENF	R9JLTENF:W9 Long Job Tenure/fill in flag	Categ
10	R10JLTENF	R10JLTENF:W10 Long Job Tenure/fill in flag	Categ
11	R11JLTENF	R11JLTENF:W11 Long Job Tenure/fill in flag	Categ
12	R12JLTENF	R12JLTENF:W12 Long Job Tenure/fill in flag	Categ
1	S1JLTENF	S1JLTENF:W1 Long Job Tenure/fill in flag	Categ

2	S2JLTENF	S2JLTENF:W2 Long Job Tenure/fill in flag	Categ
3	S3JLTENF	S3JLTENF:W3 Long Job Tenure/fill in flag	Categ
4	S4JLTENF	S4JLTENF:W4 Long Job Tenure/fill in flag	Categ
5	S5JLTENF	S5JLTENF:W5 Long Job Tenure/fill in flag	Categ
6	S6JLTENF	S6JLTENF:W6 Long Job Tenure/fill in flag	Categ
7	S7JLTENF	S7JLTENF:W7 Long Job Tenure/fill in flag	Categ
8	S8JLTENF	S8JLTENF:W8 Long Job Tenure/fill in flag	Categ
9	S9JLTENF	S9JLTENF:W9 Long Job Tenure/fill in flag	Categ
10	S10JLTENF	S10JLTENF:W10 Long Job Tenure/fill in flag	Categ
11	S11JLTENF	S11JLTENF:W11 Long Job Tenure/fill in flag	Categ
12	S12JLTENF	S12JLTENF:W12 Long Job Tenure/fill in flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLTEN	11591	16.50	10.38	0.0	55.9
R2JLTEN	16149	19.92	11.83	0.0	70.8
R3JLTEN	14977	20.08	11.86	0.0	72.5
R4JLTEN	18252	19.64	11.83	0.0	72.5
R5JLTEN	16862	19.78	11.83	0.0	73.0
R6JLTEN	15828	19.96	11.83	0.0	75.0
R7JLTEN	17936	18.92	11.59	0.0	75.0
R8JLTEN	16597	19.18	11.61	0.0	75.0
R9JLTEN	15596	19.26	11.51	0.0	75.0
R10JLTEN	19927	17.91	11.29	0.0	71.0
R11JLTEN	18868	18.01	11.30	0.0	72.2
R12JLTEN	17324	18.13	11.26	0.0	71.8
S1JLTEN	9129	16.84	10.46	0.0	55.9
S2JLTEN	11333	19.89	11.77	0.0	70.0
S3JLTEN	10417	20.18	11.85	0.0	70.5
S4JLTEN	12451	19.71	11.82	0.0	72.5
S5JLTEN	11442	19.92	11.82	0.0	73.0
S6JLTEN	10553	20.19	11.87	0.0	75.0
S7JLTEN	11975	19.14	11.62	0.0	75.0
S8JLTEN	10904	19.37	11.63	0.0	69.6
S9JLTEN	9961	19.57	11.56	0.0	70.7
S10JLTEN	12549	18.21	11.30	0.0	71.0
S11JLTEN	11732	18.34	11.30	0.0	72.2
S12JLTEN	10406	18.46	11.26	0.0	71.8
R1JLMIS	12652	0.07	0.27	0.0	3.0
R2JLMIS	19642	0.27	0.49	0.0	3.0
R3JLMIS	17991	0.29	0.51	0.0	4.0
R4JLMIS	21384	0.30	0.52	0.0	5.0
R5JLMIS	19579	0.30	0.53	0.0	6.0
R6JLMIS	18165	0.30	0.55	0.0	7.0
R7JLMIS	20129	0.25	0.53	0.0	7.0
R8JLMIS	18469	0.25	0.55	0.0	8.0
R9JLMIS	17217	0.24	0.56	0.0	9.0
R10JLMIS	22034	0.18	0.51	0.0	10.0
R11JLMIS	20554	0.18	0.53	0.0	11.0
R12JLMIS	18748	0.18	0.55	0.0	11.0
S1JLMIS	9900	0.07	0.27	0.0	3.0
S2JLMIS	13088	0.24	0.47	0.0	3.0
S3JLMIS	11915	0.25	0.49	0.0	4.0

S4JLMIS	13978	0.25	0.50	0.0	5.0
S5JLMIS	12730	0.25	0.51	0.0	6.0
S6JLMIS	11639	0.24	0.53	0.0	7.0
S7JLMIS	12972	0.20	0.51	0.0	7.0
S8JLMIS	11735	0.20	0.52	0.0	8.0
S9JLMIS	10646	0.20	0.54	0.0	9.0
S10JLMIS	13513	0.14	0.48	0.0	10.0
S11JLMIS	12488	0.15	0.49	0.0	11.0
S12JLMIS	11031	0.15	0.53	0.0	11.0
R1JLTENF	109	0.69	0.92	0.0	2.0
R2JLTENF	8222	0.60	0.67	0.0	2.0
R3JLTENF	17991	0.23	0.53	0.0	2.0
R4JLTENF	21384	0.16	0.47	0.0	2.0
R5JLTENF	19579	0.15	0.45	0.0	2.0
R6JLTENF	18165	0.13	0.43	0.0	2.0
R7JLTENF	20129	0.10	0.37	0.0	2.0
R8JLTENF	18469	0.08	0.34	0.0	2.0
R9JLTENF	17217	0.07	0.32	0.0	2.0
R10JLTENF	22034	0.04	0.24	0.0	2.0
R11JLTENF	20554	0.03	0.21	0.0	2.0
R12JLTENF	18748	0.02	0.18	0.0	2.0
S1JLTENF	108	0.69	0.92	0.0	2.0
S2JLTENF	4349	0.65	0.70	0.0	2.0
S3JLTENF	11915	0.19	0.50	0.0	2.0
S4JLTENF	13978	0.13	0.43	0.0	2.0
S5JLTENF	12730	0.11	0.40	0.0	2.0
S6JLTENF	11639	0.09	0.36	0.0	2.0
S7JLTENF	12972	0.06	0.30	0.0	2.0
S8JLTENF	11735	0.04	0.26	0.0	2.0
S9JLTENF	10646	0.03	0.22	0.0	2.0
S10JLTENF	13513	0.01	0.15	0.0	2.0
S11JLTENF	12488	0.01	0.12	0.0	2.0
S12JLTENF	11031	0.00	0.09	0.0	2.0

Categorical Variable Codes

Value	R1JLTENF	R2JLTENF	R3JLTENF	R4JLTENF	R5JLTENF	R6JLTENF	R7JLTENF
.M=Oth missing	12543						
.Q=Not needed this wv		11420					
0.No w2a info used	68	4146	14654	18760	17429	16423	18745
1.Used b1235,tenure missing	7	3209	2468	1732	1398	1096	853
2.Used b1235,took max	34	867	869	892	752	646	531

Value	R8JLTENF	R9JLTENF	R10JLTENF	R11JLTENF	R12JLTENF
0.No w2a info used	17420	16400	21493	20156	18478
1.Used b1235,tenure missing	627	472	306	223	157
2.Used b1235,took max	422	345	235	175	113

Value	S1JLTENF	S2JLTENF	S3JLTENF	S4JLTENF	S5JLTENF	S6JLTENF	S7JLTENF
.M=Oth missing	9792						
.Q=Not needed this wv		9123					
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	200	418	537	311	220	380
0.No w2a info used	67	2117	10150	12712	11781	10941	12458
1.Used b1235,tenure missing	7	1655	1212	749	548	385	283
2.Used b1235,took max	34	577	553	517	401	313	231

Value	S8JLTENF	S9JLTENF	S10JLTENF	S11JLTENF	S12JLTENF
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No w2a info used	11401	10422	13388	12409	10992
1.Used b1235,tenure missing	182	119	62	45	23
2.Used b1235,took max	152	105	63	34	16

How Constructed

RwJLTEN is the Respondent's years of tenure on the longest-held job reported as of Wave 'w'. RwJLMIS counts the number of jobs that are examined in the derivation where the tenure cannot be determined because of missing dates.

SwJLTEN and SwJLMIS provide this information for the Respondent's spouse or partner.

The years of tenure at the longest reported job is derived using all reported jobs. Reported jobs include those at which a Respondent is working at any interview and those reported in the retrospective job history.

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at his/her first interview. If the Respondent is not working, information about the last job is collected. Whether working or not, questions are asked about up to three additional jobs lasting five or more years. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

Longest job tenure is determined by comparing the tenures derived from jobs given in the retrospective job history, current job tenures from current and previous interviews, and tenure on any job that ended between interviews up to the current, to determine the longest non-missing tenure. In Waves 2A and 3A, jobs reported in job history were collected in Wave 4, so their dates are compared to interview dates to determine whether or how long they lasted before the 2A or 3A interview.

In Wave 2A there is a question asked of some Respondents about the total years at the longest held job. If, after processing the current job and job history, R2JLTEN is less than the answer to this direct question, the direct question is

used to set R2JLTEN, and the occupation associated with this job is used for R2JLOCCA. J2JLTENF is set to indicate if this replacement was done.

Since tenure at the longest-held job based on job history can not be modified using Wave 2A data, RwJLTENF is set to .Q for all Respondents who are not part of the AHEAD entry cohort to indicate that it is inapplicable for those cases.

RwJLMIS is a count of reported jobs that are missing dates; it does not count jobs for which dates are never asked. For example, if the Respondent reports having 7 jobs lasting 5 or more years in job history questions, no information will be asked about at least 4 of those jobs, because questions ask about at most 3 job start and stop dates. These 4 jobs will be missing job dates but are not counted in RwJLMIS. RwJLMIS counts only those jobs about which the Respondent is asked but failed to provide start or stop date information. Please see also 'Job History Status' later in this section.

Job start and stop dates are reported as month and year or just year. If the month is missing or not asked, July is used as the month. To help fill in job stop dates, the months and years given for retirement, disability, unemployment, and temporary layoff are also examined. These dates are asked when the Respondent reports the applicable employment status. If any reported job year is before the Respondent turned age 15, then it is set to the year the Respondent turned 15 instead.

The spouse variable is taken from the wave "w" spouse's self-report, e.g., S3JLTEN is taken from the Wave 3 spouse's R3JLTEN.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about his/her last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2708           F1a:MONTH UNEMPLOYED
    V2711           F1c:LAST WRK THIS JOB-MO
    V2712           F1c:LAST WRK THIS JOB-YR
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
    V2715           F1e:MONTH RETIRED
    V2716           F1e:YEAR RETIRED
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2816           F23:YR STARTED FOR EMPLR
    V2834           F33:YR STRT THIS BUSINES
    V3402           G1A:MO LST WRK W/PAY
    V3403           G1A:YR LST WRK W/PAY
    V3418           G13:YR STRT WRK JOB
    V3442           G25:R/SE:YR  STRT @ BUS.
    V3604           H4:WHN STRT WRKNG JOB-YR
    V3607           H7:YEAR STP WRKNG AT JB
    V3704           H25:1ST:YR STRTD THERE
    V3705           H26:1ST:YR LEFT THERE
    V3804           H25:NXT:YR STRTD THERE
    V3805           H26:NXT:YR LEFT THERE
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1182           G4. CURRENT WORK START YEAR
    B1183           G4. CURRENT WORK START YEARS AGO
    B1184           G4. CURRENT WORK START AT AGE
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1221           G14. JOB LAST 2 YRS START YEAR
    B1222           G14. JOB LAST 2 YRS START YEARS AGO
    B1223           G14. JOB LAST 2 YRS START AT AGE
    B1232           G20. EVER WORK 10/+ YRS?
    B1235           G22. 10/+ YRS ONE EMP: # YEARS
HRS 1994:
    W3307           FA1a.UNEMPLOYED-MONTH
    W3308           FA1b.UNEMPLOYED-YEAR
    W3310           FA1d.LAST WORKED ON JOB-
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    W3311           FA1e.LAST WORKED ON JOB-
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3318           FA5.STOPPED WORKING FOR
    W3319           FA5.STOPPED WORKING FOR
    W3458           FA19.STILL WORKING FOR W
    W3503           FA26.STOPPED WORKING FOR
    W3504           FA26.STOPPED WORKING FOR
    W3662           FA59.START WORK FOR EMPL
    W3663           FA59.START WORK FOR EMPL
    W4200           FB2.STOPPED WORK FOR EMP
    W4201           FB2a.STOPPED WORK FOR EM
    W4327           FB22.STARTED S-E WORK-MO
    W4328           FB22a.STARTED S-E WORK-Y
    W4800           FC2.MONTH STOPPED SELF-E
    W4801           FC2a.YEAR STOPPED SELF-E
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W7002           G1a.LAST WORKED-YEAR
    W7003           G1a.LAST WORKED-YEARS AG
    W7004           G1a.LAST WORKED-MONTH
    W7018           G13.START WORK-YEAR
    W7019           G13.START WORK-YEARS AGO
    W7020           G13.START WORK-AGE
    W7103           H4.START WORK-YEAR
    W7104           H4.START WORK-YEARS AGO
    W7105           H4.START WORK-AGE
    W7108           H7.LEFT EMPLOYER-YEAR
    W7109           H7.LEFT EMPLOYER-YEARS A
    W7110           H7.LEFT EMPLOYER-AGE
    W7162           EMP1. H25.START WORK-YEA
    W7163           EMP1. H26.LEFT EMPLOYER-
    W7196           EMP2. H25.START WORK-YEA
    W7197           EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2633           GA1D. MONTH LAST WORKED - TEMPORARY
    D2634           GA1E. YEAR LAST WORKED - TEMPORARY
    D2638           GA1F. MONTH DISABLED
    D2639           GA1G. YEAR DISABLED
    D2643           GA1J.YEAR RETIRED
    D2644           GA1J.MONTH RETIRED
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2654           GA5. MONTH STOPPED SELF-EMPL
    D2655           GA5A. YEAR STOPPED SELF-EMPL
    D2747           GA19. STILL WORKING SAME EMPLOYER
    D2759           GA26. MONTH STOPPED WORKING WAVE I EMPLO
    D2760           GA26A. YEAR STOPPED WORKING WAVE I EMPLO
    D2831           GA43. MONTH STARTED CURRENT WORK
    D2832           GA43A. YEAR STARTED CURRENT WORK
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    D3188           GB2. MONTH STOPPED SELF-EMPL
    D3189           GB2A. YEAR STOPPED SELF-EMPL
    D3545           GC2. MONTH STOPPED SELF-EMPL
    D3546           GC2A. YEAR STOPPED SELF-EMPL
    D3639           GC16. MONTH STOPPED WORKING WAVE I EMPLO
    D3640           GC16A. YEAR STOPPED WORKING WAVE I EMPLO
HRS 1996:
    E2612           G1A.UNEMPLOYED-MONTH
    E2613           G1B.UNEMPLOYED-YEAR
    E2616           G1D.LAST WORKED ON JOB-MONTH
    E2617           G1E.LAST WORKED ON JOB-YEAR
    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2630           G5.STOPPED WORKING FOR SELF-MONTH
    E2631           G5A.STOPPED WORKING FOR SELF-YEAR
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2667           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    E2668           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    E2825           G63.START WORK FOR EMPLOYER-MONTH
    E2826           G63A.START WORK FOR EMPLOYER-YEAR
    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3129           GG1A.LAST WORKED-MONTH
    E3146           GG13.START WORK-YEAR
    E3147           GG13.START WORK-YEARS AGO
    E3148           GG13.START WORK-AGE
    E3329           GH4.START WORK-YEAR
    E3330           GH4.START WORK-YEARS AGO
    E3331           GH4.START WORK-AGE
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
HRS 1998:
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3120           G1D.LAST WORKED ON JOB-MONTH
    F3121           G1E.LAST WORKED ON JOB-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3348           G63.START WORK FOR EMPLOYER-MONTH
    F3349           G63A.START WORK FOR EMPLOYER-YEAR
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3647           GG1A.LAST WORKED-MONTH
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    F3664           GG13.START WORK-YEAR
    F3665           GG13.START WORK-YEARS AGO
    F3666           GG13.START WORK-AGE
    F3834           GH4.START WORK-YEAR
    F3835           GH4.START WORK-YEARS AGO
    F3836           GH4.START WORK-AGE
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3903_1         GH25.START WORK FOR EMPLOYER-YEAR
    F3903_2         GH25.START WORK FOR EMPLOYER-YEAR
    F3904_1         GH26.LEFT EMPLOYER-YEAR
    F3904_2         GH26.LEFT EMPLOYER-YEAR
HRS 2000:
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3370           G1D.LAST WORKED ON JOB-MONTH
    G3371           G1E.LAST WORKED ON JOB-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3384           G5.STOPPED WORKING FOR SELF-MONTH
    G3385           G5A.STOPPED WORKING FOR SELF-YEAR
    G3416           G19B.STILL WORKING PREV EMPLOYER
    G3437           G26.STOP WORK PREV WAVE EMPLYR-MO
    G3438           G26A.STOP WORK PREV WAVE EMPLYR-YR
    G3607           G63.START WORK FOR EMPLOYER-MONTH
    G3608           G63A.START WORK FOR EMPLOYER-YEAR
    G3954           GG1A1.LAST WORKED WHEN-YEAR
    G3955           GG1A2.LAST WORKED WHEN-YEARS AGO
    G3957           GG1A.LAST WORKED-MONTH
    G3974           GG13.START WORK-YEAR
    G3975           GG13Y1. START WORK-YEARS AGO
    G3976           GG13Y2. START WORK-AGE
    G4096           GH4.START WORK-YEAR
    G4097           GH4Y1. START WORK-YEARS AGO
    G4098           GH4Y2. START WORK-AGE
    G4105           GH7Y1. LEFT EMPLOYER-YEARS AGO
    G4106           GH7Y2. LEFT EMPLOYER-AGE
    G4176_1         GH25.START WORK FOR EMPLOYER-YEAR
    G4176_2         GH25.START WORK FOR EMPLOYER-YEAR
    G4177_1         GH26.LEFT EMPLOYER-YEAR
    G4177_2         GH26.LEFT EMPLOYER-YEAR
HRS 2002:
    HJ007           MO UNEMPLOYED
    HJ008           YR UNEMPLOYED
    HJ011           MO LAST WORKED - LAID OFF
    HJ012           YR LAST WORKED - LAID OFF
    HJ014           DISABLED-MO
    HJ015           DISABLED- YR
    HJ017           RETIRED-MO
    HJ018           RETIRED-YR
    HJ020           WORKING FOR PAY
    HJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    HJ023           STOPPED WORKING FOR SLF-MO
    HJ024           STOPPED WORKING FOR SLF- YR
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    HJ045           STILL WORKING PREV EMPLOYER
    HJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    HJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    HJ248           MO-START WORK FOR CURRENT EMPLOYER
    HJ249           YR-START WORK FOR CURRENT EMPLOYER
    HK002           LAST WRKED WHEN-YR
    HK003           LAST WRKED WHEN-YRS AGO
    HK004           LAST WRKED-MO
    HK018           START WRK-YR
    HK019           START WRK-YRS AGO
    HK020           START WRK- AT AGE
    HL009           START WRK-YR
    HL010           START WORK-YRS AGO
    HL011           START WORK- AT AGE
    HL017           LEFT EMPLOYER-YRS AGO
    HL018           LEFT EMPLOYER- AT AGE
    HL078_1         START WRK FOR EMP- INC PENSION- YR- 1
    HL078_2         START WRK FOR EMP- INC PENSION- YR- 2
    HL079_1         LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    HL079_2         LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2004:
    JJ007           MO UNEMPLOYED
    JJ008           YR UNEMPLOYED
    JJ011           MO LAST WORKED - LAID OFF
    JJ012           YR LAST WORKED - LAID OFF
    JJ014           DISABLED-MO
    JJ015           DISABLED- YR
    JJ017           RETIRED-MO
    JJ018           RETIRED-YR
    JJ020           WORKING FOR PAY
    JJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    JJ023           STOPPED WORKING FOR SLF-MO
    JJ024           STOPPED WORKING FOR SLF- YR
    JJ045           STILL WORKING PREV EMPLOYER
    JJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    JJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    JJ248           MO-START WORK FOR CURRENT EMPLOYER
    JJ249           YR-START WORK FOR CURRENT EMPLOYER
    JK004           LAST WRKED WHEN-YR
    JK005           LAST WRKED WHEN-YRS AGO
    JK006           LAST WRKED-MO
    JK022           START WRK-YR
    JK023           START WRK-YRS AGO
    JK024           START WRK- AT AGE
    JL009           START WRK-YR
    JL010           START WORK-YRS AGO
    JL011           START WORK- AT AGE
    JL017           LEFT EMPLOYER-YRS AGO
    JL018           LEFT EMPLOYER- AT AGE
    JL034A          START WRK FOR EMP- INC PENSION- YR- 1
    JL034B          START WRK FOR EMP- INC PENSION- YR- 2
    JL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    JL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2006:
    KJ007           MO UNEMPLOYED
    KJ008           YR UNEMPLOYED
    KJ011           MO LAST WORKED - LAID OFF
    KJ012           YR LAST WORKED - LAID OFF
    KJ014           DISABLED-MO
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    KJ015           DISABLED- YR
    KJ017           RETIRED-MO
    KJ018           RETIRED-YR
    KJ020           WORKING FOR PAY
    KJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    KJ023           STOPPED WORKING FOR SLF-MO
    KJ024           STOPPED WORKING FOR SLF- YR
    KJ045           STILL WORKING PREV EMPLOYER
    KJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    KJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    KJ248           MO-START WORK FOR CURRENT EMPLOYER
    KJ249           YR-START WORK FOR CURRENT EMPLOYER
    KK004           LAST WRKED WHEN-YR
    KK005           LAST WRKED WHEN-YRS AGO
    KK006           LAST WRKED-MO
    KK022           START WRK-YR
    KK023           START WRK-YRS AGO
    KK024           START WRK- AT AGE
    KL009           START WRK-YR
    KL010           START WORK-YRS AGO
    KL011           START WORK- AT AGE
    KL017           LEFT EMPLOYER-YRS AGO
    KL018           LEFT EMPLOYER- AT AGE
    KL034A          START WRK FOR EMP- INC PENSION- YR- 1
    KL034B          START WRK FOR EMP- INC PENSION- YR- 2
    KL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    KL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2008:
    LJ007           MO UNEMPLOYED
    LJ008           YR UNEMPLOYED
    LJ011           MO LAST WORKED - LAID OFF
    LJ012           YR LAST WORKED - LAID OFF
    LJ014           DISABLED-MO
    LJ015           DISABLED- YR
    LJ017           RETIRED-MO
    LJ018           RETIRED-YR
    LJ020           WORKING FOR PAY
    LJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    LJ023           STOPPED WORKING FOR SLF-MO
    LJ024           STOPPED WORKING FOR SLF- YR
    LJ045           STILL WORKING PREV EMPLOYER
    LJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    LJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    LJ248           MO-START WORK FOR CURRENT EMPLOYER
    LJ249           YR-START WORK FOR CURRENT EMPLOYER
    LK004           LAST WRKED WHEN-YR
    LK005           LAST WRKED WHEN-YRS AGO
    LK006           LAST WRKED-MO
    LK022           START WRK-YR
    LK023           START WRK-YRS AGO
    LK024           START WRK- AT AGE
    LL009           START WRK-YR
    LL010           START WORK-YRS AGO
    LL011           START WORK- AT AGE
    LL017           LEFT EMPLOYER-YRS AGO
    LL018           LEFT EMPLOYER- AT AGE
    LL034A          START WRK FOR EMP- INC PENSION- YR- 1
    LL034B          START WRK FOR EMP- INC PENSION- YR- 2
    LL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
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    LL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2010:
    MJ007           MO UNEMPLOYED
    MJ008           YR UNEMPLOYED
    MJ011           MO LAST WORKED - LAID OFF
    MJ012           YR LAST WORKED - LAID OFF
    MJ014           DISABLED-MO
    MJ015           DISABLED- YR
    MJ017           RETIRED-MO
    MJ018           RETIRED-YR
    MJ020           WORKING FOR PAY
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    MJ023           STOPPED WORKING FOR SLF-MO
    MJ024           STOPPED WORKING FOR SLF- YR
    MJ045           STILL WORKING PREV EMPLOYER
    MJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    MJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    MJ248           MO-START WORK FOR CURRENT EMPLOYER
    MJ249           YR-START WORK FOR CURRENT EMPLOYER
    MK004           LAST WRKED WHEN-YR
    MK005           LAST WRKED WHEN-YRS AGO
    MK006           LAST WRKED-MO
    MK022           START WRK-YR
    MK023           START WRK-YRS AGO
    MK024           START WRK- AT AGE
    ML009           START WRK-YR
    ML010           START WORK-YRS AGO
    ML011           START WORK- AT AGE
    ML017           LEFT EMPLOYER-YRS AGO
    ML018           LEFT EMPLOYER- AT AGE
    ML034A          START WRK FOR EMP- INC PENSION- YR- 1
    ML034B          START WRK FOR EMP- INC PENSION- YR- 2
    ML035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    ML035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2012:
    NJ007           MO UNEMPLOYED
    NJ008           YR UNEMPLOYED
    NJ011           MO LAST WORKED - LAID OFF
    NJ012           YR LAST WORKED - LAID OFF
    NJ014           DISABLED-MO
    NJ015           DISABLED- YR
    NJ017           RETIRED-MO
    NJ018           RETIRED-YR
    NJ020           WORKING FOR PAY
    NJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    NJ023           STOPPED WORKING FOR SLF-MO
    NJ024           STOPPED WORKING FOR SLF- YR
    NJ045           STILL WORKING PREV EMPLOYER
    NJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    NJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    NJ248           MO-START WORK FOR CURRENT EMPLOYER
    NJ249           YR-START WORK FOR CURRENT EMPLOYER
    NK004           LAST WRKED WHEN-YR
    NK005           LAST WRKED WHEN-YRS AGO
    NK006           LAST WRKED-MO
    NK022           START WRK-YR
    NK023           START WRK-YRS AGO
    NK024           START WRK- AT AGE
    NL009           START WRK-YR
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    NL010           START WORK-YRS AGO
    NL011           START WORK- AT AGE
    NL017           LEFT EMPLOYER-YRS AGO
    NL018           LEFT EMPLOYER- AT AGE
    NL034A          START WRK FOR EMP- INC PENSION- YR- 1
    NL034B          START WRK FOR EMP- INC PENSION- YR- 2
    NL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    NL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2014:
    OJ007           MO UNEMPLOYED
    OJ008           YR UNEMPLOYED
    OJ011           MO LAST WORKED - LAID OFF
    OJ012           YR LAST WORKED - LAID OFF
    OJ014           DISABLED-MO
    OJ015           DISABLED- YR
    OJ017           RETIRED-MO
    OJ018           RETIRED-YR
    OJ020           WORKING FOR PAY
    OJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    OJ023           STOPPED WORKING FOR SLF-MO
    OJ024           STOPPED WORKING FOR SLF- YR
    OJ045           STILL WORKING PREV EMPLOYER
    OJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    OJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    OJ248           MO-START WORK FOR CURRENT EMPLOYER
    OJ249           YR-START WORK FOR CURRENT EMPLOYER
    OK004           LAST WRKED WHEN-YR
    OK005           LAST WRKED WHEN-YRS AGO
    OK006           LAST WRKED-MO
    OK022           START WRK-YR
    OK023           START WRK-YRS AGO
    OK024           START WRK- AT AGE
    OL009           START WRK-YR
    OL010           START WORK-YRS AGO
    OL011           START WORK- AT AGE
    OL017           LEFT EMPLOYER-YRS AGO
    OL018           LEFT EMPLOYER- AT AGE
    OL034A          START WRK FOR EMP- INC PENSION- YR- 1
    OL034B          START WRK FOR EMP- INC PENSION- YR- 2
    OL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    OL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
```

Occupation code for job with longest reported tenure

Wave	Variable	Label	Type
1	R1JLOCC	R1JLOCC:W1 Longest Job Occ/1980 Census	Categ
2	R2JLOCC	R2JLOCC:W2 Longest Job Occ/1980 Census	Categ
3	R3JLOCC	R3JLOCC:W3 Longest Job Occ/1980 Census	Categ
4	R4JLOCC	R4JLOCC:W4 Longest Job Occ/1980 Census	Categ
5	R5JLOCC	R5JLOCC:W5 Longest Job Occ/1980 Census	Categ
6	R6JLOCC	R6JLOCC:W6 Longest Job Occ/1980 Census	Categ
7	R7JLOCC	R7JLOCC:W7 Longest Job Occ/1980 Census	Categ
8	R8JLOCC	R8JLOCC:W8 Longest Job Occ/1980 Census	Categ
9	R9JLOCC	R9JLOCC:W9 Longest Job Occ/1980 Census	Categ
10	R10JLOCC	R10JLOCC:W10 Longest Job Occ/1980 Census	Categ
11	R11JLOCC	R11JLOCC:W11 Longest Job Occ/1980 Census	Categ
12	R12JLOCC	R12JLOCC:W12 Longest Job Occ/1980 Census	Categ
1	S1JLOCC	S1JLOCC:W1 Longest Job Occ/1980 Census	Categ
2	S2JLOCC	S2JLOCC:W2 Longest Job Occ/1980 Census	Categ
3	S3JLOCC	S3JLOCC:W3 Longest Job Occ/1980 Census	Categ
4	S4JLOCC	S4JLOCC:W4 Longest Job Occ/1980 Census	Categ
5	S5JLOCC	S5JLOCC:W5 Longest Job Occ/1980 Census	Categ
6	S6JLOCC	S6JLOCC:W6 Longest Job Occ/1980 Census	Categ
7	S7JLOCC	S7JLOCC:W7 Longest Job Occ/1980 Census	Categ
8	S8JLOCC	S8JLOCC:W8 Longest Job Occ/1980 Census	Categ
9	S9JLOCC	S9JLOCC:W9 Longest Job Occ/1980 Census	Categ
10	S10JLOCC	S10JLOCC:W10 Longest Job Occ/1980 Census	Categ
11	S11JLOCC	S11JLOCC:W11 Longest Job Occ/1980 Census	Categ
12	S12JLOCC	S12JLOCC:W12 Longest Job Occ/1980 Census	Categ
1	R1JLOCCA	R1JLOCCA:W1 Long Job Occup/Ahead coding	Categ
2	R2JLOCCA	R2JLOCCA:W2 Long Job Occup/Ahead coding	Categ
3	R3JLOCCA	R3JLOCCA:W3 Long Job Occup/Ahead coding	Categ
4	R4JLOCCA	R4JLOCCA:W4 Long Job Occup/Ahead coding	Categ
5	R5JLOCCA	R5JLOCCA:W5 Long Job Occup/Ahead coding	Categ
6	R6JLOCCA	R6JLOCCA:W6 Long Job Occup/Ahead coding	Categ
7	R7JLOCCA	R7JLOCCA:W7 Long Job Occup/Ahead coding	Categ
8	R8JLOCCA	R8JLOCCA:W8 Long Job Occup/Ahead coding	Categ
9	R9JLOCCA	R9JLOCCA:W9 Long Job Occup/Ahead coding	Categ
10	R10JLOCCA	R10JLOCCA:W10 Long Job Occup/Ahead coding	Categ
11	R11JLOCCA	R11JLOCCA:W11 Long Job Occup/Ahead coding	Categ
12	R12JLOCCA	R12JLOCCA:W12 Long Job Occup/Ahead coding	Categ
1	S1JLOCCA	S1JLOCCA:W1 Long Job Occup/Ahead coding	Categ
2	S2JLOCCA	S2JLOCCA:W2 Long Job Occup/Ahead coding	Categ
3	S3JLOCCA	S3JLOCCA:W3 Long Job Occup/Ahead coding	Categ
4	S4JLOCCA	S4JLOCCA:W4 Long Job Occup/Ahead coding	Categ
5	S5JLOCCA	S5JLOCCA:W5 Long Job Occup/Ahead coding	Categ
6	S6JLOCCA	S6JLOCCA:W6 Long Job Occup/Ahead coding	Categ
7	S7JLOCCA	S7JLOCCA:W7 Long Job Occup/Ahead coding	Categ
8	S8JLOCCA	S8JLOCCA:W8 Long Job Occup/Ahead coding	Categ
9	S9JLOCCA	S9JLOCCA:W9 Long Job Occup/Ahead coding	Categ
10	S10JLOCCA	S10JLOCCA:W10 Long Job Occup/Ahead coding	Categ
11	S11JLOCCA	S11JLOCCA:W11 Long Job Occup/Ahead coding	Categ
12	S12JLOCCA	S12JLOCCA:W12 Long Job Occup/Ahead coding	Categ
7	R7JLOCCB	R7JLOCCB:W7 Long Job Occup/2000 Census	Categ
8	R8JLOCCB	R8JLOCCB:W8 Long Job Occup/2000 Census	Categ
9	R9JLOCCB	R9JLOCCB:W9 Long Job Occup/2000 Census	Categ
10	R10JLOCCB	R10JLOCCB:W10 Long Job Occup/2000 Census	Categ
11	R11JLOCCB	R11JLOCCB:W11 Long Job Occup/2000 Census	Categ
12	R12JLOCCB	R12JLOCCB:W12 Long Job Occup/2000 Census	Categ
7	S7JLOCCB	S7JLOCCB:W7 Long Job Occup/2000 Census	Categ
8	S8JLOCCB	S8JLOCCB:W8 Long Job Occup/2000 Census	Categ
9	S9JLOCCB	S9JLOCCB:W9 Long Job Occup/2000 Census	Categ
10	S10JLOCCB	S10JLOCCB:W10 Long Job Occup/2000 Census	Categ
11	S11JLOCCB	S11JLOCCB:W11 Long Job Occup/2000 Census	Categ
12	S12JLOCCB	S12JLOCCB:W12 Long Job Occup/2000 Census	Categ

10	R10JLOCCC	R10JLOCCC:W10 Long Job Occup/2010 Census	Categ
11	R11JLOCCC	R11JLOCCC:W11 Long Job Occup/2010 Census	Categ
12	R12JLOCCC	R12JLOCCC:W12 Long Job Occup/2010 Census	Categ
10	S10JLOCCC	S10JLOCCC:W10 Long Job Occup/2010 Census	Categ
11	S11JLOCCC	S11JLOCCC:W11 Long Job Occup/2010 Census	Categ
12	S12JLOCCC	S12JLOCCC:W12 Long Job Occup/2010 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLOCC	11231	6.80	5.15	1.0	17.0
R2JLOCC	11677	6.68	5.08	1.0	17.0
R3JLOCC	11255	6.67	5.05	1.0	17.0
R4JLOCC	15311	6.53	5.01	1.0	17.0
R5JLOCC	14362	6.46	5.00	1.0	17.0
R6JLOCC	13762	6.40	4.98	1.0	17.0
R7JLOCC	16063	6.40	4.97	1.0	17.0
R8JLOCC	14843	6.34	4.95	1.0	17.0
R9JLOCC	13931	6.30	4.94	1.0	17.0
R10JLOCC	12886	6.23	4.91	1.0	17.0
R11JLOCC	11969	6.18	4.90	1.0	17.0
R12JLOCC	10754	6.11	4.88	1.0	17.0
S1JLOCC	8827	6.78	5.20	1.0	17.0
S2JLOCC	8784	6.69	5.16	1.0	17.0
S3JLOCC	8350	6.68	5.13	1.0	17.0
S4JLOCC	10919	6.53	5.10	1.0	17.0
S5JLOCC	10222	6.47	5.10	1.0	17.0
S6JLOCC	9596	6.39	5.08	1.0	17.0
S7JLOCC	11077	6.35	5.06	1.0	17.0
S8JLOCC	10000	6.31	5.06	1.0	17.0
S9JLOCC	9084	6.23	5.03	1.0	17.0
S10JLOCC	8165	6.14	5.01	1.0	17.0
S11JLOCC	7330	6.10	5.00	1.0	17.0
S12JLOCC	6292	6.04	5.01	1.0	17.0
R1JLOCCA	41	4.41	2.26	1.0	8.0
R2JLOCCA	5483	4.32	2.37	1.0	9.0
R3JLOCCA	4759	4.28	2.38	1.0	9.0
R4JLOCCA	4107	4.29	2.40	1.0	9.0
R5JLOCCA	3424	4.25	2.40	1.0	9.0
R6JLOCCA	2814	4.20	2.41	1.0	9.0
R7JLOCCA	2291	4.20	2.41	1.0	9.0
R8JLOCCA	1805	4.17	2.41	1.0	9.0
R9JLOCCA	1429	4.08	2.39	1.0	9.0
R10JLOCCA	990	4.08	2.42	1.0	9.0
R11JLOCCA	753	3.99	2.40	1.0	9.0
R12JLOCCA	543	3.99	2.41	1.0	9.0
S1JLOCCA	41	4.41	2.26	1.0	8.0
S2JLOCCA	3127	4.15	2.29	1.0	9.0
S3JLOCCA	2635	4.09	2.29	1.0	9.0
S4JLOCCA	2098	4.10	2.32	1.0	9.0
S5JLOCCA	1602	4.06	2.32	1.0	9.0
S6JLOCCA	1190	3.97	2.33	1.0	9.0
S7JLOCCA	881	3.89	2.34	1.0	9.0

S8JLOCCA	609	3.87	2.36	1.0	9.0
S9JLOCCA	428	3.84	2.38	1.0	9.0
S10JLOCCA	242	3.79	2.46	1.0	9.0
S11JLOCCA	152	3.72	2.52	1.0	9.0
S12JLOCCA	92	3.65	2.63	1.0	9.0
R7JLOCCB	3790	13.74	7.38	1.0	25.0
R8JLOCCB	4696	13.69	7.24	1.0	25.0
R9JLOCCB	4565	13.69	7.24	1.0	25.0
R10JLOCCB	9571	14.29	7.05	1.0	25.0
R11JLOCCB	8836	14.27	7.04	1.0	25.0
R12JLOCCB	8231	14.25	7.01	1.0	25.0
S7JLOCCB	2756	13.49	7.54	1.0	25.0
S8JLOCCB	3443	13.53	7.44	1.0	25.0
S9JLOCCB	3274	13.41	7.46	1.0	25.0
S10JLOCCB	6410	14.11	7.29	1.0	25.0
S11JLOCCB	5840	14.05	7.30	1.0	25.0
S12JLOCCB	5322	14.06	7.24	1.0	25.0
R10JLOCCC	5968	13.38	6.56	1.0	23.0
R11JLOCCC	6072	13.30	6.58	1.0	23.0
R12JLOCCC	5899	13.31	6.52	1.0	23.0
S10JLOCCC	3931	13.28	6.76	1.0	23.0
S11JLOCCC	4088	13.16	6.80	1.0	23.0
S12JLOCCC	3883	13.15	6.75	1.0	23.0

Categorical Variable Codes

Value	R1JLOCC	R2JLOCC	R3JLOCC	R4JLOCC	R5JLOCC	R6JLOCC	R7JLOCC
.M=Oth missing	1380	4299	3797	3860	3392	2945	2911
.Q=Not asked this wv	41	3666	2939	2213	1825	1458	1155
01.Managerial specialty ope	1574	1640	1550	2137	2034	1967	2233
02.Prof specialty opr/tech	1607	1698	1652	2403	2317	2258	2678
03.Sales	1030	1094	1051	1457	1357	1278	1495
04.Clerical/admin supp	1765	1864	1814	2432	2297	2246	2656
05.Svc:prv hhld/clean/bldg	151	184	177	225	208	201	221
06.Svc:protection	153	152	153	217	202	190	219
07.Svc:food prep	383	396	377	526	481	444	514
08.Health svc	268	291	271	376	355	351	416
09.Personal svc	633	676	682	861	813	783	953
10.Farming/forestry/fishing	330	359	353	476	442	414	467
11.Mechanics/repair	405	412	401	554	504	485	579
12.Constr trade/extractors	402	382	382	536	493	458	561
13.Precision production	469	486	474	624	572	541	596
14.Operators: machine	999	1021	975	1275	1158	1092	1215
15.Operators: transport, et	557	554	523	679	636	581	670
16.Operators: handlers, etc	340	321	293	394	361	351	453
17.Member of Armed Forces	165	147	127	139	132	122	137

Value	R8JLOCC	R9JLOCC	R10JLOCC	R11JLOCC	R12JLOCC
.B=Other Census code	257	424	5874	5910	5739
.M=Oth missing	2499	2191	2835	2354	2036
.Q=Not asked this wv	870	671	439	321	219
01.Managerial specialty ope	2076	1950	1814	1702	1544
02.Prof specialty opr/tech	2507	2389	2239	2101	1933
03.Sales	1387	1317	1241	1153	1028
04.Clerical/admin supp	2499	2354	2204	2074	1876
05.Svc:prv hhld/clean/bldg	193	179	160	150	136
06.Svc:protection	201	188	173	160	142
07.Svc:food prep	464	444	398	371	351
08.Health svc	390	362	334	315	291
09.Personal svc	873	823	773	709	614
10.Farming/forestry/fishing	411	376	340	297	255
11.Mechanics/repair	537	494	447	397	347
12.Constr trade/extractors	511	472	425	391	338
13.Precision production	556	511	476	435	375
14.Operators: machine	1091	1007	902	835	742
15.Operators: transport, et	616	565	520	471	405
16.Operators: handlers, etc	414	388	347	322	297
17.Member of Armed Forces	117	112	93	86	80

Value	S1JLOCC	S2JLOCC	S3JLOCC	S4JLOCC	S5JLOCC	S6JLOCC	S7JLOCC
.M=Oth missing	1032	2342	2048	2024	1725	1468	1469
.Q=Not asked this wv	41	1962	1517	1035	783	575	426
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
01.Managerial specialty ope	1292	1318	1219	1624	1554	1487	1688
02.Prof specialty opr/tech	1270	1291	1245	1766	1701	1640	1940
03.Sales	857	856	820	1074	984	916	1045
04.Clerical/admin supp	1372	1364	1300	1680	1559	1470	1730
05.Svc:prv hhld/clean/bldg	83	78	79	84	89	87	96
06.Svc:protection	124	124	121	167	154	147	164
07.Svc:food prep	260	252	227	288	255	233	273
08.Health svc	158	158	144	205	191	176	210
09.Personal svc	442	439	439	527	503	468	566
10.Farming/forestry/fishing	271	289	282	366	339	309	340
11.Mechanics/repair	344	347	336	440	403	388	455
12.Constr trade/extractors	346	324	319	433	402	357	429
13.Precision production	386	384	376	468	431	399	437
14.Operators: machine	766	751	703	879	788	720	781
15.Operators: transport, et	472	464	425	535	516	463	515
16.Operators: handlers, etc	243	218	203	269	244	238	297
17.Member of Armed Forces	141	127	112	114	109	98	111

Value	S8JLOCC	S9JLOCC	S10JLOCC	S11JLOCC	S12JLOCC
.B=Other Census code	223	345	3838	3944	3734
.M=Oth missing	1234	1033	1411	1147	970
.Q=Not asked this wv	278	184	99	67	35
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
01.Managerial specialty ope	1558	1420	1297	1172	1033
02.Prof specialty opr/tech	1767	1629	1494	1356	1206
03.Sales	950	873	804	730	622
04.Clerical/admin supp	1560	1459	1310	1176	981
05.Svc:prv hhld/clean/bldg	80	69	61	58	50
06.Svc:protection	146	126	117	108	90
07.Svc:food prep	242	217	193	167	150
08.Health svc	184	167	148	139	123
09.Personal svc	481	435	386	338	272
10.Farming/forestry/fishing	293	259	223	189	154
11.Mechanics/repair	417	370	334	296	242
12.Constr trade/extractors	392	354	307	273	233
13.Precision production	407	354	314	277	234
14.Operators: machine	702	627	534	480	406
15.Operators: transport, et	452	401	354	308	259
16.Operators: handlers, etc	274	235	213	193	171
17.Member of Armed Forces	95	89	76	70	66

Value	R1JLOCCA	R2JLOCCA	R3JLOCCA	R4JLOCCA	R5JLOCCA	R6JLOCCA	R7JLOCCA
.M=Oth missing	68	2719	2255	1835	1568	1287	1069
.Q=Not asked this wv	12543	11420	10964	15433	14579	14058	16764
.R=RF		20	13	9	8	6	5
01.Professional/technical w	6	806	720	631	547	460	370
02.Managers/officials/propr	5	740	640	539	448	367	296
03.Clerical/kindred workers	5	881	794	683	583	510	434
04.Sales workers	2	400	361	332	279	237	194
05.Craftsmen/foremen/kindre	6	744	612	509	408	322	241
06.Operatives/kindred worke	11	902	752	623	513	391	320
07.Laborers/farm foremen	2	193	166	144	119	95	80
08.Svc workers	4	699	606	552	448	364	304
09.Farmers and farm manager		118	108	94	79	68	52

Value	R8JLOCCA	R9JLOCCA	R10JLOCCA	R11JLOCCA	R12JLOCCA
.M=Oth missing	890	709	532	409	300
.Q=Not asked this wv	15769	15075	20508	19389	17903
.R=RF	5	4	4	3	2
01.Professional/technical w	297	240	179	142	99
02.Managers/officials/propr	231	190	117	89	68
03.Clerical/kindred workers	357	300	209	170	125
04.Sales workers	154	128	94	69	54
05.Craftsmen/foremen/kindre	178	134	89	63	39
06.Operatives/kindred worke	244	179	118	86	57
07.Laborers/farm foremen	56	41	25	21	13
08.Svc workers	249	190	140	99	79
09.Farmers and farm manager	39	27	19	14	9

Value	S1JLOCCA	S2JLOCCA	S3JLOCCA	S4JLOCCA	S5JLOCCA	S6JLOCCA	S7JLOCCA
.M=Oth missing	67	1208	963	694	543	422	320
.Q=Not asked this wv	9792	9123	8629	11178	10578	10021	11767
.R=RF		14	11	8	7	6	4
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	200	95	537	311	220	380
01.Professional/technical w	6	474	412	338	266	214	171
02.Managers/officials/propr	5	498	424	329	254	194	144
03.Clerical/kindred workers	5	440	384	307	231	167	134
04.Sales workers	2	245	219	179	144	118	75
05.Craftsmen/foremen/kindre	6	503	412	314	237	170	115
06.Operatives/kindred worke	11	513	411	312	236	160	125
07.Laborers/farm foremen	2	116	96	84	58	37	27
08.Svc workers	4	254	205	176	125	88	59
09.Farmers and farm manager		84	72	59	51	42	31

Value	S8JLOCCA	S9JLOCCA	S10JLOCCA	S11JLOCCA	S12JLOCCA
.M=Oth missing	244	180	111	73	44
.Q=Not asked this wv	10879	10036	13158	12261	10895
.R=RF	3	2	2	2	
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
01.Professional/technical w	124	91	60	45	29
02.Managers/officials/propr	95	65	31	16	11
03.Clerical/kindred workers	94	68	40	23	14
04.Sales workers	54	40	18	7	4
05.Craftsmen/foremen/kindre	77	52	32	23	12
06.Operatives/kindred worke	81	50	23	14	6
07.Laborers/farm foremen	21	17	9	7	2
08.Svc workers	39	27	18	10	9
09.Farmers and farm manager	24	18	11	7	5

Value	R7JLOCCB
.M=Oth missing	3189
.P=From previous Census cod	11995
.Q=Not asked this wave	1155
01.Management Occupations	498
02.Business Oper-ns Special	65
03.Financial Specialists	71
04.Computer+Math Occs	55
05.Architecture+Engineering	64
06.Life/Physical/SocialSci	42
07.Community+Social Svcs Oc	58
08.Legal Occups	53
09.Education/Training/Libra	217
10.Arts/Design/Entertnmt Oc	60
11.Hlthcare Practition/Tech	160
12.Healthcare Support Occs	115
13.Protective Service Occs	57
14.Food Prep+Serving Occs	101
15.Blding/Grounds/Clean/Mai	195
16.Personal Care+Service Oc	152
17.Sales Occups	378
18.Office+Admin Support Occ	546
19.Farm/Fish/Forestry Occup	24
20.Construction Trades	192
21.Extraction Workers	5
22.Install/Maint/Repair Wor	141
23.Production Occups	339
24.Transport/Material Movin	182
25.Military Specific Occups	20

Value	R8JLOCCB	R9JLOCCB	R10JLOCCB	R11JLOCCB	R12JLOCCB
.M=Oth missing	2796	2481	3212	3190	3002
.P=From previous Census cod	10107	9500	8812	8207	7296
.Q=Not asked this wave	870	671	439	321	219
01.Management Occupations	570	565	947	871	796
02.Business Oper-ns Special	88	76	168	166	159
03.Financial Specialists	91	88	159	155	150
04.Computer+Math Occs	65	61	153	133	118
05.Architecture+Engineering	70	82	140	122	115
06.Life/Physical/SocialSci	56	45	79	73	72
07.Community+Social Svcs Oc	84	77	186	175	156
08.Legal Occups	72	62	106	93	87
09.Education/Training/Libra	325	325	568	528	496
10.Arts/Design/Entertnmt Oc	68	60	143	133	131
11.Hlthcare Practition/Tech	209	198	394	372	353
12.Healthcare Support Occs	140	131	304	283	279
13.Protective Service Occs	67	71	179	162	154
14.Food Prep+Serving Occs	138	146	388	343	319
15.Blding/Grounds/Clean/Mai	245	232	593	551	512
16.Personal Care+Service Oc	181	193	460	412	394
17.Sales Occups	445	447	854	814	762
18.Office+Admin Support Occ	740	682	1361	1288	1183
19.Farm/Fish/Forestry Occup	29	33	73	62	56
20.Construction Trades	209	213	494	450	420
21.Extraction Workers	6	5	5	6	5
22.Install/Maint/Repair Wor	146	153	328	284	267
23.Production Occups	401	376	824	757	698
24.Transport/Material Movin	233	225	607	547	497
25.Military Specific Occups	18	19	58	56	52

Value	S7JLOCCB
.M=Oth missing	1723
.P=From previous Census cod	8067
.Q=Not asked this wave	426
.U=Unmarried	6777
.V=Spouse NR	380
01.Management Occupations	396
02.Business Oper-ns Special	54
03.Financial Specialists	58
04.Computer+Math Occs	43
05.Architecture+Engineering	52
06.Life/Physical/SocialSci	33
07.Community+Social Svcs Oc	36
08.Legal Occups	39
09.Education/Training/Libra	152
10.Arts/Design/Entertnmt Oc	48
11.Hlthcare Practition/Tech	114
12.Healthcare Support Occs	69
13.Protective Service Occs	45
14.Food Prep+Serving Occs	70
15.Blding/Grounds/Clean/Mai	124
16.Personal Care+Service Oc	103
17.Sales Occups	281
18.Office+Admin Support Occ	381
19.Farm/Fish/Forestry Occup	14
20.Construction Trades	144
21.Extraction Workers	3
22.Install/Maint/Repair Wor	117
23.Production Occups	240
24.Transport/Material Movin	125
25.Military Specific Occups	15

Value	S8JLOCCB	S9JLOCCB	S10JLOCCB	S11JLOCCB	S12JLOCCB
.M=Oth missing	1477	1267	1685	1800	1687
.P=From previous Census cod	6537	5921	5319	4781	3987
.Q=Not asked this wave	278	184	99	67	35
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
01.Management Occupations	464	454	723	663	583
02.Business Oper-ns Special	68	62	119	114	108
03.Financial Specialists	66	70	122	117	112
04.Computer+Math Occs	50	46	98	88	78
05.Architecture+Engineering	56	69	112	96	87
06.Life/Physical/SocialSci	43	37	64	59	53
07.Community+Social Svcs Oc	58	55	109	105	94
08.Legal Occups	51	45	70	61	53
09.Education/Training/Libra	245	228	395	366	338
10.Arts/Design/Entertnmt Oc	50	46	96	86	77
11.Hlthcare Practition/Tech	154	137	244	224	215
12.Healthcare Support Occs	82	81	169	147	143
13.Protective Service Occs	51	42	109	101	99
14.Food Prep+Serving Occs	88	93	228	203	186
15.Blding/Grounds/Clean/Mai	155	140	352	326	292
16.Personal Care+Service Oc	121	123	267	235	213
17.Sales Occups	330	325	594	550	516
18.Office+Admin Support Occ	510	469	881	817	741
19.Farm/Fish/Forestry Occup	21	24	51	36	36
20.Construction Trades	168	168	358	334	298
21.Extraction Workers	5	3	4	4	3
22.Install/Maint/Repair Wor	122	121	239	206	195
23.Production Occups	301	267	545	493	443
24.Transport/Material Movin	169	153	421	368	321
25.Military Specific Occups	15	16	40	41	38

Value	R10JLOCCC	R11JLOCCC	R12JLOCCC
.M=Oth missing	3788	3169	2704
.P=From previous Census cod	12278	11313	10145
01.Management Occs	556	573	531
02.Business+Financial Oper-	206	236	238
03.Computer+Mathematical Oc	101	95	96
04.Architecture+Engineering	79	76	69
05.Life/Physical/SocialSci	46	39	40
06.Community+Social Service	125	135	117
07.Legal Occs	72	68	62
08.Education/Training/Libra	291	304	301
09.Arts/Design/Entertainmen	106	110	112
10.Healthcare Practitioners	233	242	244
11.Healthcare Support Occs	192	195	202
12.Protective Service Occs	119	121	118
13.Food Prep+Serving Relate	263	262	251
14.Building/Grounds Cleanin	398	409	408
15.Personal Care+Service Oc	315	313	320
16.Sales+Related Occs	523	537	532
17.Office+Administrative Su	789	806	768
18.Farming/Fishing/Forestry	45	41	44
19.Construction+Extraction	335	342	343
20.Installation/Maintenance	205	202	192
21.Production Occs	514	514	483
22.Transportation+Material	412	410	390
23.Military Specific Occs	43	42	38

Value	S10JLOCCC	S11JLOCCC	S12JLOCCC
.M=Oth missing	1922	1586	1321
.P=From previous Census cod	7660	6814	5827
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
01.Management Occs	417	447	405
02.Business+Financial Oper-	143	166	171
03.Computer+Mathematical Oc	62	60	67
04.Architecture+Engineering	61	63	54
05.Life/Physical/SocialSci	38	30	27
06.Community+Social Service	65	78	71
07.Legal Occs	47	45	36
08.Education/Training/Libra	202	218	204
09.Arts/Design/Entertainmen	71	68	66
10.Healthcare Practitioners	135	144	139
11.Healthcare Support Occs	104	106	107
12.Protective Service Occs	73	82	81
13.Food Prep+Serving Relate	151	157	146
14.Building/Grounds Cleanin	251	267	255
15.Personal Care+Service Oc	179	178	174
16.Sales+Related Occs	359	364	366
17.Office+Administrative Su	508	523	503
18.Farming/Fishing/Forestry	33	28	31
19.Construction+Extraction	238	254	242
20.Installation/Maintenance	144	146	137
21.Production Occs	334	354	316
22.Transportation+Material	288	282	259
23.Military Specific Occs	28	28	26

How Constructed

The occupation code for the job with the longest reported tenure is assigned once the job with the longest tenure is identified. It can be the current job, a past job held since the first HRS interview, or a job reported in the job history data. The job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

The occupation of jobs held since the first interview is usually available.

RwJLOCC is set to the occupation code associated with the longest-held job reported. RwJLOCCA is set to the AHEAD code for occupation if the longest-held job reported occupation in Wave 2A, 3A, or 4. RwJLOCCB is set to a Census 2000-based occupation code if the longest-held job reported occupation in Wave 7-10. RwJLOCCC is set to a Census 2010-based occupation code if the longest-held job reported occupation from Wave 10. Occupation codes are simply recoded for missing values.

In Wave 2A there is a question asked of some Respondents about the total years at the longest held job. If, after processing the current job and job history, R2JLTEN is less than the answer to this direct question, the direct question is used to set R2JLTEN, and the occupation associated with this job is used for R2JLOCCA forward. RwJLTENF is set to indicate if this replacement was done.

Since tenure at the longest-held job based on job history can not be modified using Wave 2A data, RwJLTENF is set to .Q for all Respondents who are not part of the AHEAD entry cohort to indicate that it is inapplicable for those cases.

The occupation codes differed between the AHEAD and other cohorts in Waves 2 and 3, and the AHEAD codes are not provided for other cohorts in any wave. For AHEAD Respondents both sets of codes are given in Wave 4 only. In each wave the unavailable set of codes is set to .Q for the appropriate variables, to indicate that the information is missing for this reason. Thus, for Waves 2H, 3H, and 4 RwJLOCCA is set to .Q for other cohorts. For Wave 1 and from Wave 5 on the AHEAD codes have been carried back or forward from Waves 2A, 3A or 4.

Beginning in Wave 7, HRS begins using a different set of occupation codes, based on the 2000 Census. Before Wave 7 there are 17 possible occupation codes; from Wave 7-10, there are 25 codes; from Wave 10 forwards, there are 23 codes. RwJLOCCB begins with R7JLOCCB and RwJLOCCC begins with R10JLOCCC.

If the longest-held job is not a job for which occupation is reported in Wave 7, then R7JLOCCB is set to .P, for occupation taken from prior wave and R7JLOCC provides the 1980 Census-based occupation. If the longest tenured job provides an occupation code in Wave 7 and is one that continues from prior wave, the Respondent may have values for both R7JLOCC and R7JLOCCB. If the longest tenured job's occupation is only reported in Wave 7, then R7JLOCC is set to .B, to indicate that the occupation code for the longest tenured job is taken from Wave 7 when HRS begins to use the 2000 Census industries, which R7JLOCCB provides. This applies to waves 7-10.

If the longest-held job is not a job for which occupation is reported in Wave 10, then R10JLOCCC is set to .P, for occupation taken from prior wave. R10JLOCC provides the 1980 Census-based occupation and R10JLOCCB provides the 2000 Census-based occupation. If the longest tenured job provides an occupation code in Wave 10 and is one that continues from prior wave, the Respondent may have values for both R10JLOCC and R10JLOCCB and R10JCOCCC. If the longest tenured job's occupation is only reported in Wave 10, then R10JLOCC and R10JCOCCB are set to .B, to indicate that the occupation code for the longest tenured job is taken from Wave 10 when HRS begins to use the 2010 Census industries, which R10JLOCCC provides. This applies from wave 10.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLOCC, RwJLOCCA, RwJLOCCB, and RwJLOCCC.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about his/her last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Occupation codes for the AHEAD cohort (Waves 2A and 3A) differed from those collected from other cohorts. In Wave 4 only, both the AHEAD and HRS version of the codes are available for AHEAD Respondents, while only the HRS codes are available for other cohorts.

Before Wave 7, the occupation codes are based on 1980 Census occupations, assigned to one of 17 categories. From Wave 7-10, they are based on 2000 Census occupations, assigned to one of 24 categories. Beginning in Wave 10, they are based on 2010 Census occupations, assigned to one of 23 categories.

HRS Variables Used

```
HRS 1992:
    V3407           G5G6:OCC:1980 CENSUS OCC
    V3432           G19:OCC:1980 CENSUS OCC
    V3606           H5A6:OCC:1980 CENSUS OCC
AHEAD 1993:
    OCCG13B         G13. JOB LAST 2 YRS: OCCUPATION
    OCCG23B         G23. LONGER JOB: OCCUPATION TYPE
    OCCG3B          G3. CURRENT OCCUPATION
HRS 1994:
    W7007           G5/G6.OCCUPATION
    W7107           H5a/H6.OCCUPATION
AHEAD 1995:
    D2820M          GA39/42. OCCUPATION
    D3254M          GB15/16. OCCUPATION
HRS 1996:
    E2666M          G24/G25. CURRENT OCC
    E2732M          G41A/G42. OCC
    E3134M          GG3A/GG6. OCC
    E3336M          GH5/GH6. OCC
HRS 1998:
    F3187AM         G25.CURRENT OCC  - AHD MASKED
    F3187HM         G25.CURRENT OCC  - HRS MASKED
    F3255AM         G42.OCC - AHD MASKED
    F3255HM         G42.OCC - HRS MASKED
    F3652AM         GG6.OCC - AHD MASKED
    F3652HM         GG6.OCC - HRS MASKED
    F3841AM         GH6.OCC - AHD MASKED
    F3841HM         GH6.OCC - HRS MASKED
HRS 2000:
    G3436M          G25.CURRENT OCC  - MASKED
    G3505M          G42.OCC - MASKED
    G3962M          GG6.OCC - MASKED
    G4103M          GH6.OCC - MASKED
HRS 2002:
    HJ061M          CURRENT WORK DONE - MASKED
    HJ168M          OCCUPATION - MASKED
    HK007M          TYPE WRK DONE - MASKED
    HL015M          TYPE WRK DONE - MASKED
HRS 2004:
    JJ061M          CURRENT WORK DONE - MASKED
    JJ168M          OCCUPATION - MASKED
    JK008M_00       INDUSTRY 2000 Census- MASKED
    JK010M          TYPE WRK DONE - MASKED
    JK010M_00       TYPE WRK DONE 2000 Census- MASKED
    JL015M          TYPE WRK DONE - MASKED
HRS 2006:
    KJ062M          CURRENT WORK DONE - MASKED
    KJ168M          TYPE WORK DONE- MASKED
    KK010M          TYPE WRK DONE - MASKED
    KL015M          TYPE WRK DONE - MASKED
HRS 2008:
    LJ062M          CURRENT WORK DONE - MASKED
    LJ168M          TYPE WORK DONE- MASKED
    LK010M          TYPE WRK DONE - MASKED
    LL015M          TYPE WRK DONE - MASKED
HRS 2010:
    MJ062M          CURRENT WORK DONE - MASKED
    MJ062M_10       CURRENT WORK DONE 2010 Census- MASKED
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    MJ168M          TYPE WORK DONE- MASKED
    MJ168M_10       TYPE WORK DONE 2010 Census- MASKED
    MK010M          TYPE WRK DONE - MASKED
    ML015M          TYPE WRK DONE - MASKED
HRS 2012:
    NJ062M          CURRENT WORK DONE - MASKED
    NJ168M          TYPE WORK DONE- MASKED
    NK010M          TYPE WRK DONE - MASKED
    NL015M          TYPE WRK DONE - MASKED
HRS 2014:
    OJ168M          TYPE WORK DONE- MASKED
    OK010M          TYPE WRK DONE - MASKED
    OL015M          TYPE WRK DONE - MASKED
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Industry code for job with longest tenure

Wave	Variable	Label	Type
1	R1JLIND	R1JLIND:W1 Longest Job Industry/1980 Census	Categ
2	R2JLIND	R2JLIND:W2 Longest Job Industry/1980 Census	Categ
3	R3JLIND	R3JLIND:W3 Longest Job Industry/1980 Census	Categ
4	R4JLIND	R4JLIND:W4 Longest Job Industry/1980 Census	Categ
5	R5JLIND	R5JLIND:W5 Longest Job Industry/1980 Census	Categ
6	R6JLIND	R6JLIND:W6 Longest Job Industry/1980 Census	Categ
7	R7JLIND	R7JLIND:W7 Longest Job Industry/1980 Census	Categ
8	R8JLIND	R8JLIND:W8 Longest Job Industry/1980 Census	Categ
9	R9JLIND	R9JLIND:W9 Longest Job Industry/1980 Census	Categ
10	R10JLIND	R10JLIND:W10 Longest Job Industry/1980 Census	Categ
11	R11JLIND	R11JLIND:W11 Longest Job Industry/1980 Census	Categ
12	R12JLIND	R12JLIND:W12 Longest Job Industry/1980 Census	Categ
1	S1JLIND	S1JLIND:W1 Longest Job Industry/1980 Census	Categ
2	S2JLIND	S2JLIND:W2 Longest Job Industry/1980 Census	Categ
3	S3JLIND	S3JLIND:W3 Longest Job Industry/1980 Census	Categ
4	S4JLIND	S4JLIND:W4 Longest Job Industry/1980 Census	Categ
5	S5JLIND	S5JLIND:W5 Longest Job Industry/1980 Census	Categ
6	S6JLIND	S6JLIND:W6 Longest Job Industry/1980 Census	Categ
7	S7JLIND	S7JLIND:W7 Longest Job Industry/1980 Census	Categ
8	S8JLIND	S8JLIND:W8 Longest Job Industry/1980 Census	Categ
9	S9JLIND	S9JLIND:W9 Longest Job Industry/1980 Census	Categ
10	S10JLIND	S10JLIND:W10 Longest Job Industry/1980 Census	Categ
11	S11JLIND	S11JLIND:W11 Longest Job Industry/1980 Census	Categ
12	S12JLIND	S12JLIND:W12 Longest Job Industry/1980 Census	Categ
7	R7JLINDB	R7JLINDB:W7 Long Job Industry/2002 Census	Categ
8	R8JLINDB	R8JLINDB:W8 Long Job Industry/2002 Census	Categ
9	R9JLINDB	R9JLINDB:W9 Long Job Industry/2002 Census	Categ
10	R10JLINDB	R10JLINDB:W10 Long Job Industry/2002 Census	Categ
11	R11JLINDB	R11JLINDB:W11 Long Job Industry/2002 Census	Categ
12	R12JLINDB	R12JLINDB:W12 Long Job Industry/2002 Census	Categ
7	S7JLINDB	S7JLINDB:W7 Long Job Industry/2002 Census	Categ
8	S8JLINDB	S8JLINDB:W8 Long Job Industry/2002 Census	Categ
9	S9JLINDB	S9JLINDB:W9 Long Job Industry/2002 Census	Categ
10	S10JLINDB	S10JLINDB:W10 Long Job Industry/2002 Census	Categ
11	S11JLINDB	S11JLINDB:W11 Long Job Industry/2002 Census	Categ
12	S12JLINDB	S12JLINDB:W12 Long Job Industry/2002 Census	Categ
10	R10JLINDC	R10JLINDC:W10 Long Job Industry/2007 Census	Categ
11	R11JLINDC	R11JLINDC:W11 Long Job Industry/2007 Census	Categ
12	R12JLINDC	R12JLINDC:W12 Long Job Industry/2007 Census	Categ
10	S10JLINDC	S10JLINDC:W10 Long Job Industry/2007 Census	Categ
11	S11JLINDC	S11JLINDC:W11 Long Job Industry/2007 Census	Categ
12	S12JLINDC	S12JLINDC:W12 Long Job Industry/2007 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLIND	11179	7.41	3.77	1.0	13.0
R2JLIND	11633	7.50	3.79	1.0	13.0
R3JLIND	11212	7.52	3.78	1.0	13.0
R4JLIND	15223	7.58	3.77	1.0	13.0
R5JLIND	14285	7.62	3.77	1.0	13.0
R6JLIND	13679	7.66	3.78	1.0	13.0
R7JLIND	15996	7.70	3.78	1.0	13.0
R8JLIND	14783	7.74	3.77	1.0	13.0

R9JLIND	13875	7.78	3.77	1.0	13.0
R10JLIND	12826	7.80	3.76	1.0	13.0
R11JLIND	11909	7.86	3.76	1.0	13.0
R12JLIND	10695	7.89	3.75	1.0	13.0
S1JLIND	8793	7.27	3.78	1.0	13.0
S2JLIND	8768	7.33	3.81	1.0	13.0
S3JLIND	8330	7.34	3.80	1.0	13.0
S4JLIND	10865	7.41	3.80	1.0	13.0
S5JLIND	10171	7.46	3.80	1.0	13.0
S6JLIND	9546	7.48	3.80	1.0	13.0
S7JLIND	11040	7.54	3.80	1.0	13.0
S8JLIND	9971	7.55	3.80	1.0	13.0
S9JLIND	9055	7.59	3.80	1.0	13.0
S10JLIND	8128	7.63	3.79	1.0	13.0
S11JLIND	7301	7.68	3.79	1.0	13.0
S12JLIND	6263	7.70	3.78	1.0	13.0
R7JLINDB	3655	10.48	5.14	1.0	19.0
R8JLINDB	3549	10.54	5.15	1.0	19.0
R9JLINDB	4524	10.80	5.12	1.0	19.0
R10JLINDB	9513	10.84	5.09	1.0	19.0
R11JLINDB	8782	10.84	5.07	1.0	19.0
R12JLINDB	8184	10.86	5.05	1.0	19.0
S7JLINDB	2655	10.22	5.16	1.0	19.0
S8JLINDB	2630	10.30	5.18	1.0	19.0
S9JLINDB	3254	10.53	5.13	1.0	19.0
S10JLINDB	6372	10.51	5.09	1.0	19.0
S11JLINDB	5806	10.55	5.07	1.0	19.0
S12JLINDB	5296	10.58	5.06	1.0	19.0
R10JLINDC	5896	10.80	5.08	1.0	19.0
R11JLINDC	5932	10.85	5.05	1.0	19.0
R12JLINDC	5742	10.92	5.04	1.0	19.0
S10JLINDC	3873	10.47	5.10	1.0	19.0
S11JLINDC	3986	10.56	5.06	1.0	19.0
S12JLINDC	3767	10.66	5.06	1.0	19.0

Categorical Variable Codes

Value	R1JLIND	R2JLIND	R3JLIND	R4JLIND	R5JLIND	R6JLIND	R7JLIND
.M=Oth missing	1432	4343	3840	3948	3469	3028	2978
.Q=Not asked this wv	41	3666	2939	2213	1825	1458	1155
01.Agric/Forest/Fish	349	377	377	503	469	443	503
02.Mining and Constr	705	710	664	861	803	753	893
03.Mnfg: Non-durable	1007	999	933	1259	1165	1141	1292
04.Mnfg: Durable	1417	1450	1384	1878	1731	1646	1854
05.Transportation	889	904	881	1134	1048	978	1193
06.Wholesale	400	406	405	515	480	454	547
07.Retail	1379	1400	1332	1852	1730	1582	1798
08.Finan/Ins/RealEs	628	663	644	900	867	855	996
09.Busns/Repair Svc	506	493	485	686	653	638	792
10.Personal Service	534	585	588	777	717	704	811
11.Entertn/Recreatn	126	133	133	196	188	183	212
12.Prof/Related Svcs	2560	2811	2736	3775	3596	3491	4130
13.Public Administration	679	702	650	887	838	811	975

Value	R8JLIND	R9JLIND	R10JLIND	R11JLIND	R12JLIND
.B=Other Census code	243	423	5873	5909	5739
.M=Oth missing	2573	2248	2896	2415	2095
.Q=Not asked this wv	870	671	439	321	219
01.Agric/Forest/Fish	442	417	381	337	283
02.Mining and Constr	808	750	684	613	541
03.Mnfg: Non-durable	1169	1070	975	924	837
04.Mnfg: Durable	1713	1584	1429	1309	1162
05.Transportation	1097	1031	976	871	781
06.Wholesale	506	480	450	411	373
07.Retail	1662	1567	1414	1316	1172
08.Finan/Ins/RealEs	938	886	849	792	728
09.Busns/Repair Svc	739	692	653	600	545
10.Personal Service	733	676	625	573	508
11.Entertn/Recreatn	193	181	164	148	130
12.Prof/Related Svcs	3899	3676	3453	3284	2983
13.Public Administration	884	865	773	731	652

Value	S1JLIND	S2JLIND	S3JLIND	S4JLIND	S5JLIND	S6JLIND	S7JLIND
.M=Oth missing	1066	2358	2068	2078	1776	1518	1506
.Q=Not asked this wv	41	1962	1517	1035	783	575	426
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
01.Agric/Forest/Fish	292	305	301	384	355	330	366
02.Mining and Constr	592	585	544	678	640	584	684
03.Mnfg: Non-durable	797	765	709	926	847	806	905
04.Mnfg: Durable	1169	1169	1094	1421	1289	1220	1356
05.Transportation	730	718	680	844	790	727	878
06.Wholesale	326	328	327	408	375	348	414
07.Retail	1100	1049	986	1287	1198	1093	1222
08.Finan/Ins/RealEs	491	504	481	652	614	588	675
09.Busns/Repair Svc	381	353	349	487	470	455	550
10.Personal Service	358	347	343	419	395	378	428
11.Entertn/Recreatn	89	85	83	119	114	111	133
12.Prof/Related Svcs	1923	2010	1936	2598	2474	2329	2756
13.Public Administration	545	550	497	642	610	577	673

Value	S8JLIND	S9JLIND	S10JLIND	S11JLIND	S12JLIND
.B=Other Census code	217	345	3838	3944	3734
.M=Oth missing	1269	1062	1448	1176	999
.Q=Not asked this wv	278	184	99	67	35
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
01.Agric/Forest/Fish	315	290	252	219	178
02.Mining and Constr	624	556	494	426	360
03.Mnfg: Non-durable	804	713	627	579	498
04.Mnfg: Durable	1237	1102	973	852	738

05.Transportation	794	737	666	574	484
06.Wholesale	375	339	311	276	242
07.Retail	1089	982	853	764	647
08.Finan/Ins/RealEs	621	588	545	505	438
09.Busns/Repair Svc	498	452	423	389	337
10.Personal Service	374	322	292	266	230
11.Entertn/Recreatn	120	104	89	78	65
12.Prof/Related Svcs	2526	2302	2098	1906	1647
13.Public Administration	594	568	505	467	399

Value	R7JLINDB
.M=Oth missing	3189
.P=From previous Census cod	12130
.Q=Not asked this wv	1155
01.Agric/Forest/Fish/Huntin	93
02.Mining	17
03.Utilities	48
04.Construction	244
05.Manufacturing (continued	598
06.Wholesale Trade	132
07.Retail Trade	288
08.Transport/Warehousing	158
09.Information	96
10.Finance/Insurance	164
11.Real Estate/Rental/Leasi	105
12.Prof/Scientific/Tech Svc	183
13.Mgmnt/Admin/Support/Wast	121
14.Educational Services	317
15.Health Care/Social Assis	475
16.Arts/Entertain/Recreatio	66
17.Accomodations/Food Svcs	139
18.Other Svcs/Except PubAdm	233
19.PubAdmin/Active Duty Mil	178

Value	R8JLINDB	R9JLINDB	R10JLINDB	R11JLINDB	R12JLINDB
.M=Oth missing	2799	2483	3218	3197	3009
.P=From previous Census cod	11251	9539	8864	8254	7336
.Q=Not asked this wv	870	671	439	321	219
01.Agric/Forest/Fish/Huntin	90	104	166	138	122
02.Mining	18	23	40	36	31
03.Utilities	45	62	111	105	99
04.Construction	236	260	597	547	500
05.Manufacturing (continued	558	665	1418	1298	1219
06.Wholesale Trade	121	152	312	296	275
07.Retail Trade	294	376	796	758	696
08.Transport/Warehousing	157	198	473	432	401
09.Information	85	112	231	209	191
10.Finance/Insurance	158	196	362	341	322
11.Real Estate/Rental/Leasi	104	120	236	230	212
12.Prof/Scientific/Tech Svc	186	228	437	398	372
13.Mgmnt/Admin/Support/Wast	117	130	367	331	313
14.Educational Services	311	468	834	777	738
15.Health Care/Social Assis	452	636	1423	1314	1243
16.Arts/Entertain/Recreatio	68	73	173	163	152
17.Accomodations/Food Svcs	129	185	469	425	390
18.Other Svcs/Except PubAdm	249	294	575	525	484
19.PubAdmin/Active Duty Mil	171	242	493	459	424

Value	S7JLINDB
.M=Oth missing	1722
.P=From previous Census cod	8169
.Q=Not asked this wv	426
.U=Unmarried	6777
.V=Spouse NR	380
01.Agric/Forest/Fish/Huntin	75
02.Mining	15
03.Utilities	39
04.Construction	192
05.Manufacturing (continued	459
06.Wholesale Trade	95
07.Retail Trade	214
08.Transport/Warehousing	115
09.Information	61
10.Finance/Insurance	127
11.Real Estate/Rental/Leasi	74
12.Prof/Scientific/Tech Svc	138
13.Mgmnt/Admin/Support/Wast	80
14.Educational Services	234
15.Health Care/Social Assis	309
16.Arts/Entertain/Recreatio	52
17.Accomodations/Food Svcs	93
18.Other Svcs/Except PubAdm	165
19.PubAdmin/Active Duty Mil	118

Value	S8JLINDB	S9JLINDB	S10JLINDB	S11JLINDB	S12JLINDB
.M=Oth missing	1479	1265	1688	1803	1688
.P=From previous Census cod	7348	5943	5354	4812	4012
.Q=Not asked this wv	278	184	99	67	35
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
01.Agric/Forest/Fish/Huntin	74	83	124	97	91
02.Mining	18	20	33	29	23
03.Utilities	37	52	87	78	73
04.Construction	192	206	440	412	362
05.Manufacturing (continued	440	500	1012	898	817
06.Wholesale Trade	92	107	226	216	196
07.Retail Trade	215	270	526	488	438
08.Transport/Warehousing	116	149	327	292	265
09.Information	53	73	151	137	125
10.Finance/Insurance	124	154	267	254	238
11.Real Estate/Rental/Leasi	72	90	164	157	141
12.Prof/Scientific/Tech Svc	137	173	316	286	259
13.Mgmnt/Admin/Support/Wast	80	89	230	212	196
14.Educational Services	238	340	570	527	489
15.Health Care/Social Assis	297	407	837	750	702
16.Arts/Entertain/Recreatio	55	57	114	99	88
17.Accomodations/Food Svcs	92	123	285	257	236
18.Other Svcs/Except PubAdm	183	201	352	323	293
19.PubAdmin/Active Duty Mil	115	160	311	294	264

Value	R10JLINDC	R11JLINDC	R12JLINDC
.M=Oth missing	3796	3184	2726
.P=From previous Census cod	12342	11438	10280
01.Agric/Forest/Fish/Huntin	109	99	96
02.Mining	19	16	11
03.Utilities	57	54	50
04.Construction	400	405	382
05.Manufacturing (continued	868	847	813
06.Wholesale Trade	192	205	193
07.Retail Trade	500	500	480
08.Transport/Warehousing	308	318	308
09.Information	137	128	125
10.Finance/Insurance	211	215	213
11.Real Estate/Rental/Leasi	149	151	140
12.Prof/Scientific/Tech Svc	295	306	285
13.Mgmnt/Admin/Support/Wast	262	264	259
14.Educational Services	422	433	426
15.Health Care/Social Assis	898	923	915
16.Arts/Entertain/Recreatio	115	121	117
17.Accomodations/Food Svcs	308	310	300
18.Other Svcs/Except PubAdm	362	361	357
19.PubAdmin/Active Duty Mil	284	276	272

Value	S10JLINDC	S11JLINDC	S12JLINDC
.M=Oth missing	1929	1598	1336
.P=From previous Census cod	7711	6904	5928
.U=Unmarried	7799	7474	7123
.V=Spouse NR	722	592	594
01.Agric/Forest/Fish/Huntin	85	74	74
02.Mining	17	14	10
03.Utilities	45	41	37
04.Construction	285	298	270
05.Manufacturing (continued	607	604	556
06.Wholesale Trade	132	149	134
07.Retail Trade	326	332	312
08.Transport/Warehousing	206	213	200
09.Information	91	88	88
10.Finance/Insurance	148	157	158
11.Real Estate/Rental/Leasi	108	110	104
12.Prof/Scientific/Tech Svc	216	222	204
13.Mgmnt/Admin/Support/Wast	159	172	160
14.Educational Services	279	289	274
15.Health Care/Social Assis	509	541	525
16.Arts/Entertain/Recreatio	77	75	72
17.Accomodations/Food Svcs	185	193	186
18.Other Svcs/Except PubAdm	223	238	230
19.PubAdmin/Active Duty Mil	175	176	173

How Constructed

The industry code for the job with the longest reported tenure is assigned once the job with the longest tenure is identified. It can be the current job, a past job held since the first interview, or a job reported in the job history data. The job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

The industry of any job held in Waves 1, 2H, 3H and 4 is usually available. In Waves 2A and 3A, industry information is NOT collected for any job.

RwJLIND is set to the industry code associated with the longest-held job reported. Industry codes are simply recoded for

missing values.

From Wave 7-10, HRS uses a different set of industry codes, based on the 2002 Census. And from Wave 10 forward, HRS uses a set of industry codes based on the 2007 Census. Before Wave 7 there are 13 possible industry codes; from Wave 7 forward, there are 19 codes. RwJLINDB begins with R7JLINDB and provides the 2002 code set. RwJLINDC begins with R10JLINDC and provides the 2007 code set.

If the longest tenured job is not a job for which industry is reported in Wave 7, then R7JLINDB is set to .P, for industry taken from prior wave and R7JLIND provides the 1980 Census-based industry. If the longest tenured job provides an industry code in Wave 7 and is one that continues from prior wave, the Respondent may have values for both R7JLIND and R7JLINDB. If the longest tenured job's industry is only reported in Wave 7, then R7JLIND is set to .B, to indicate that the industry code for the longest tenured job is taken from Wave 7 when HRS begins to use the 2002 Census industries, which R7JLINDB provides.

If the longest tenured job is not a job for which industry is reported in Wave 10, then R10JLINDC is set to .P, for industry taken from prior wave and R10JLIND provides the 1980 Census-based industry or R10JLINDB provides the 2002 Census-based industry code. If the longest tenured job provides an industry code in Wave 10 and is one that continues from prior wave, the Respondent may have values for R10JLIND, R10JLINDB and R10JLINDC. If the longest tenured job's industry is only reported in Wave 10, then R10JLIND and R10JLINDB are set to .B, to indicate that the industry code for the longest tenured job is taken from Wave 10 when HRS begins to use the 2007 Census industries, which R10JLINDC provides.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLIND , RwJLINDB and RwJLINDC.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about his/her last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last

job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Before Wave 7, the industry codes are based on those used in the 1980 Census, assigned to one of 13 categories. From Wave 7-10, they are based on 2002 Census industries, assigned to one of 19 categories. From Wave 10 forward, they are based on 2007 Census industries, also assigned to one of 19 categories.

HRS Variables Used

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HRS 1992:
    V3406           G4:IND:1980 CENSUS IND
    V3431           G18:IND:1980 CENSUS IND
    V3605           H5:IND:1980 CENSUS IND
HRS 1994:
    W7006           G4.INDUSTRY
    W7106           H5.INDUSTRY
HRS 1996:
    E2730M          G41A/G42. IND
    E3131M          GG3A/GG6. IND
    E3334M          GH5/GH6. IND
HRS 1998:
    F3253M          G41A.IND - MASKED
    F3650M          GG4.IND - MASKED
    F3839M          GH5.IND - MASKED
HRS 2000:
    G3503M          G41A.IND - MASKED
    G3960M          GG4.IND - MASKED
    G4101M          GH5.IND - MASKED
HRS 2002:
    HJ166M          WORK IN WHAT INDUSTRY - MASKED
    HL013M          INDUSTRY - MASKED
HRS 2004:
    JJ166M          WORK IN WHAT INDUSTRY - MASKED
    JJ166M_00       WORK IN WHAT INDUSTRY 2000 Census-MASKED
    JK008M          INDUSTRY - MASKED
    JL013M          INDUSTRY - MASKED
    JL013M_00       INDUSTRY 2000 Census- MASKED
HRS 2006:
    KJ166M          WORK IN WHAT INDUSTRY-MASKED
    KK008M          INDUSTRY - MASKED
    KL013M          INDUSTRY - MASKED
HRS 2008:
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    LJ166M          WORK IN WHAT INDUSTRY-MASKED
    LK008M          INDUSTRY - MASKED
    LL013M          INDUSTRY - MASKED
HRS 2010:
    MJ166M          WORK IN WHAT INDUSTRY-MASKED
    MJ166M_10       WORK IN WHAT INDUSTRY  2007 Census-MASKED
    MK008M          INDUSTRY - MASKED
    ML013M          INDUSTRY - MASKED
    ML013M_10       INDUSTRY 2007 Census - MASKED
HRS 2012:
    NJ166M          WORK IN WHAT INDUSTRY-MASKED
    NK008M          INDUSTRY - MASKED
    NL013M          INDUSTRY - MASKED
HRS 2014:
    OJ166M          WORK IN WHAT INDUSTRY-MASKED
    OK008M          INDUSTRY - MASKED
    OL013M          INDUSTRY - MASKED
```

Job History Status

Wave	Variable	Label	Type
1	R1JJOBS	R1JJOBS:W1 Status of R Job History	Categ
2	R2JJOBS	R2JJOBS:W2 Status of R Job History	Categ
3	R3JJOBS	R3JJOBS:W3 Status of R Job History	Categ
4	R4JJOBS	R4JJOBS:W4 Status of R Job History	Categ
5	R5JJOBS	R5JJOBS:W5 Status of R Job History	Categ
6	R6JJOBS	R6JJOBS:W6 Status of R Job History	Categ
7	R7JJOBS	R7JJOBS:W7 Status of R Job History	Categ
8	R8JJOBS	R8JJOBS:W8 Status of R Job History	Categ
9	R9JJOBS	R9JJOBS:W9 Status of R Job History	Categ
10	R10JJOBS	R10JJOBS:W10 Status of R Job History	Categ
11	R11JJOBS	R11JJOBS:W11 Status of R Job History	Categ
12	R12JJOBS	R12JJOBS:W12 Status of R Job History	Categ
1	S1JJOBS	S1JJOBS:W1 Status of S Job History	Categ
2	S2JJOBS	S2JJOBS:W2 Status of S Job History	Categ
3	S3JJOBS	S3JJOBS:W3 Status of S Job History	Categ
4	S4JJOBS	S4JJOBS:W4 Status of S Job History	Categ
5	S5JJOBS	S5JJOBS:W5 Status of S Job History	Categ
6	S6JJOBS	S6JJOBS:W6 Status of S Job History	Categ
7	S7JJOBS	S7JJOBS:W7 Status of S Job History	Categ
8	S8JJOBS	S8JJOBS:W8 Status of S Job History	Categ
9	S9JJOBS	S9JJOBS:W9 Status of S Job History	Categ
10	S10JJOBS	S10JJOBS:W10 Status of S Job History	Categ
11	S11JJOBS	S11JJOBS:W11 Status of S Job History	Categ
12	S12JJOBS	S12JJOBS:W12 Status of S Job History	Categ
1	R1JNJOB	R1JNJOB:W1 # Jobs Reported	Cont
2	R2JNJOB	R2JNJOB:W2 # Jobs Reported	Cont
3	R3JNJOB	R3JNJOB:W3 # Jobs Reported	Cont
4	R4JNJOB	R4JNJOB:W4 # Jobs Reported	Cont
5	R5JNJOB	R5JNJOB:W5 # Jobs Reported	Cont
6	R6JNJOB	R6JNJOB:W6 # Jobs Reported	Cont
7	R7JNJOB	R7JNJOB:W7 # Jobs Reported	Cont
8	R8JNJOB	R8JNJOB:W8 # Jobs Reported	Cont
9	R9JNJOB	R9JNJOB:W9 # Jobs Reported	Cont
10	R10JNJOB	R10JNJOB:W10 # Jobs Reported	Cont
11	R11JNJOB	R11JNJOB:W11 # Jobs Reported	Cont
12	R12JNJOB	R12JNJOB:W12 # Jobs Reported	Cont
1	S1JNJOB	S1JNJOB:W1 # Jobs Reported	Cont
2	S2JNJOB	S2JNJOB:W2 # Jobs Reported	Cont
3	S3JNJOB	S3JNJOB:W3 # Jobs Reported	Cont
4	S4JNJOB	S4JNJOB:W4 # Jobs Reported	Cont
5	S5JNJOB	S5JNJOB:W5 # Jobs Reported	Cont
6	S6JNJOB	S6JNJOB:W6 # Jobs Reported	Cont
7	S7JNJOB	S7JNJOB:W7 # Jobs Reported	Cont
8	S8JNJOB	S8JNJOB:W8 # Jobs Reported	Cont
9	S9JNJOB	S9JNJOB:W9 # Jobs Reported	Cont
10	S10JNJOB	S10JNJOB:W10 # Jobs Reported	Cont
11	S11JNJOB	S11JNJOB:W11 # Jobs Reported	Cont
12	S12JNJOB	S12JNJOB:W12 # Jobs Reported	Cont
1	R1JMISS	R1JMISS:W1 # Jobs with missing dates	Cont
2	R2JMISS	R2JMISS:W2 # Jobs with missing dates	Cont
3	R3JMISS	R3JMISS:W3 # Jobs with missing dates	Cont
4	R4JMISS	R4JMISS:W4 # Jobs with missing dates	Cont
5	R5JMISS	R5JMISS:W5 # Jobs with missing dates	Cont
6	R6JMISS	R6JMISS:W6 # Jobs with missing dates	Cont
7	R7JMISS	R7JMISS:W7 # Jobs with missing dates	Cont
8	R8JMISS	R8JMISS:W8 # Jobs with missing dates	Cont
9	R9JMISS	R9JMISS:W9 # Jobs with missing dates	Cont
10	R10JMISS	R10JMISS:W10 # Jobs with missing dates	Cont
11	R11JMISS	R11JMISS:W11 # Jobs with missing dates	Cont
12	R12JMISS	R12JMISS:W12 # Jobs with missing dates	Cont
1	S1JMISS	S1JMISS:W1 # Jobs with missing dates	Cont

2	S2JMISS	S2JMISS:W2 # Jobs with missing dates	Cont
3	S3JMISS	S3JMISS:W3 # Jobs with missing dates	Cont
4	S4JMISS	S4JMISS:W4 # Jobs with missing dates	Cont
5	S5JMISS	S5JMISS:W5 # Jobs with missing dates	Cont
6	S6JMISS	S6JMISS:W6 # Jobs with missing dates	Cont
7	S7JMISS	S7JMISS:W7 # Jobs with missing dates	Cont
8	S8JMISS	S8JMISS:W8 # Jobs with missing dates	Cont
9	S9JMISS	S9JMISS:W9 # Jobs with missing dates	Cont
10	S10JMISS	S10JMISS:W10 # Jobs with missing dates	Cont
11	S11JMISS	S11JMISS:W11 # Jobs with missing dates	Cont
12	S12JMISS	S12JMISS:W12 # Jobs with missing dates	Cont
1	R1JNJOB5	R1JNJOB5:W1 # 5+ year-jobs reported	Cont
2	R2JNJOB5	R2JNJOB5:W2 # 5+ year-jobs reported	Cont
3	R3JNJOB5	R3JNJOB5:W3 # 5+ year-jobs reported	Cont
4	R4JNJOB5	R4JNJOB5:W4 # 5+ year-jobs reported	Cont
5	R5JNJOB5	R5JNJOB5:W5 # 5+ year-jobs reported	Cont
6	R6JNJOB5	R6JNJOB5:W6 # 5+ year-jobs reported	Cont
7	R7JNJOB5	R7JNJOB5:W7 # 5+ year-jobs reported	Cont
8	R8JNJOB5	R8JNJOB5:W8 # 5+ year-jobs reported	Cont
9	R9JNJOB5	R9JNJOB5:W9 # 5+ year-jobs reported	Cont
10	R10JNJOB5	R10JNJOB5:W10 # 5+ year-jobs reported	Cont
11	R11JNJOB5	R11JNJOB5:W11 # 5+ year-jobs reported	Cont
12	R12JNJOB5	R12JNJOB5:W12 # 5+ year-jobs reported	Cont
1	S1JNJOB5	S1JNJOB5:W1 # 5+ year-jobs reported	Cont
2	S2JNJOB5	S2JNJOB5:W2 # 5+ year-jobs reported	Cont
3	S3JNJOB5	S3JNJOB5:W3 # 5+ year-jobs reported	Cont
4	S4JNJOB5	S4JNJOB5:W4 # 5+ year-jobs reported	Cont
5	S5JNJOB5	S5JNJOB5:W5 # 5+ year-jobs reported	Cont
6	S6JNJOB5	S6JNJOB5:W6 # 5+ year-jobs reported	Cont
7	S7JNJOB5	S7JNJOB5:W7 # 5+ year-jobs reported	Cont
8	S8JNJOB5	S8JNJOB5:W8 # 5+ year-jobs reported	Cont
9	S9JNJOB5	S9JNJOB5:W9 # 5+ year-jobs reported	Cont
10	S10JNJOB5	S10JNJOB5:W10 # 5+ year-jobs reported	Cont
11	S11JNJOB5	S11JNJOB5:W11 # 5+ year-jobs reported	Cont
12	S12JNJOB5	S12JNJOB5:W12 # 5+ year-jobs reported	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JJOBS	12652	2.09	1.36	0.0	9.0
R2JJOBS	19642	2.46	1.98	0.0	9.0
R3JJOBS	17991	2.44	1.94	0.0	9.0
R4JJOBS	21384	2.35	1.79	0.0	9.0
R5JJOBS	19579	2.36	1.79	0.0	9.0
R6JJOBS	18165	2.35	1.76	0.0	9.0
R7JJOBS	20129	2.27	1.64	0.0	9.0
R8JJOBS	18469	2.26	1.60	0.0	9.0
R9JJOBS	17217	2.24	1.55	0.0	9.0
R10JJOBS	22034	2.17	1.54	0.0	9.0
R11JJOBS	20554	2.15	1.46	0.0	9.0
R12JJOBS	18748	2.15	1.43	0.0	9.0
S1JJOBS	9900	2.08	1.31	0.0	9.0
S2JJOBS	13088	2.34	1.75	0.0	9.0
S3JJOBS	11915	2.35	1.75	0.0	9.0
S4JJOBS	13978	2.29	1.63	0.0	9.0
S5JJOBS	12730	2.29	1.62	0.0	9.0
S6JJOBS	11639	2.28	1.59	0.0	9.0
S7JJOBS	12972	2.20	1.45	0.0	9.0
S8JJOBS	11735	2.19	1.42	0.0	9.0

S9JJOBS	10646	2.18	1.37	0.0	9.0
S10JJOBS	13513	2.13	1.38	0.0	9.0
S11JJOBS	12488	2.12	1.32	0.0	9.0
S12JJOBS	11031	2.11	1.29	0.0	9.0
R1JNJOB	12652	1.76	1.08	0.0	6.0
R2JNJOB	19642	1.56	1.13	0.0	7.0
R3JNJOB	17991	1.67	1.21	0.0	8.0
R4JNJOB	21384	1.81	1.28	0.0	8.0
R5JNJOB	19579	1.91	1.36	0.0	9.0
R6JNJOB	18165	2.03	1.44	0.0	10.0
R7JNJOB	20129	2.09	1.47	0.0	10.0
R8JNJOB	18469	2.20	1.53	0.0	11.0
R9JNJOB	17217	2.28	1.58	0.0	11.0
R10JNJOB	22034	2.24	1.58	0.0	11.0
R11JNJOB	20554	2.34	1.61	0.0	12.0
R12JNJOB	18748	2.44	1.66	0.0	12.0
S1JNJOB	9900	1.77	1.07	0.0	6.0
S2JNJOB	13088	1.67	1.14	0.0	7.0
S3JNJOB	11915	1.78	1.23	0.0	8.0
S4JNJOB	13978	1.91	1.28	0.0	8.0
S5JNJOB	12730	2.02	1.36	0.0	9.0
S6JNJOB	11639	2.15	1.45	0.0	10.0
S7JNJOB	12972	2.20	1.47	0.0	10.0
S8JNJOB	11735	2.31	1.54	0.0	11.0
S9JNJOB	10646	2.40	1.58	0.0	11.0
S10JNJOB	13513	2.32	1.57	0.0	11.0
S11JNJOB	12488	2.41	1.60	0.0	12.0
S12JNJOB	11031	2.51	1.64	0.0	12.0
R1JMISS	12156	0.27	0.67	0.0	6.0
R2JMISS	14140	0.40	0.84	0.0	6.0
R3JMISS	13494	0.41	0.86	0.0	7.0
R4JMISS	17848	0.46	0.90	0.0	7.0
R5JMISS	16441	0.46	0.91	0.0	7.0
R6JMISS	15506	0.46	0.90	0.0	7.0
R7JMISS	17847	0.44	0.87	0.0	7.0
R8JMISS	16570	0.44	0.87	0.0	7.0
R9JMISS	15633	0.43	0.86	0.0	7.0
R10JMISS	20525	0.42	0.85	0.0	7.0
R11JMISS	19318	0.42	0.86	0.0	7.0
R12JMISS	17730	0.43	0.86	0.0	7.0
S1JMISS	9522	0.27	0.67	0.0	6.0
S2JMISS	10273	0.39	0.83	0.0	6.0
S3JMISS	9601	0.39	0.84	0.0	6.0
S4JMISS	12217	0.43	0.88	0.0	6.0
S5JMISS	11251	0.43	0.88	0.0	6.0
S6JMISS	10433	0.43	0.87	0.0	6.0
S7JMISS	11956	0.41	0.85	0.0	6.0
S8JMISS	10920	0.41	0.84	0.0	6.0
S9JMISS	9994	0.40	0.83	0.0	6.0
S10JMISS	12864	0.41	0.83	0.0	6.0
S11JMISS	11942	0.41	0.84	0.0	6.0
S12JMISS	10596	0.41	0.84	0.0	6.0
R1JNJOB5	12652	1.38	1.07	0.0	6.0
R2JNJOB5	19616	1.05	1.16	0.0	7.0

R3JNJOB5	17983	1.12	1.18	0.0	7.0
R4JNJOB5	21384	1.28	1.21	0.0	7.0
R5JNJOB5	19579	1.34	1.23	0.0	7.0
R6JNJOB5	18165	1.40	1.25	0.0	7.0
R7JNJOB5	20129	1.45	1.24	0.0	8.0
R8JNJOB5	18469	1.51	1.25	0.0	8.0
R9JNJOB5	17217	1.56	1.25	0.0	8.0
R10JNJOB5	22034	1.57	1.27	0.0	8.0
R11JNJOB5	20554	1.63	1.29	0.0	8.0
R12JNJOB5	18748	1.67	1.30	0.0	8.0
S1JNJOB5	9900	1.40	1.07	0.0	6.0
S2JNJOB5	13070	1.19	1.17	0.0	7.0
S3JNJOB5	11910	1.26	1.18	0.0	7.0
S4JNJOB5	13978	1.40	1.19	0.0	7.0
S5JNJOB5	12730	1.46	1.21	0.0	7.0
S6JNJOB5	11639	1.52	1.22	0.0	7.0
S7JNJOB5	12972	1.55	1.21	0.0	8.0
S8JNJOB5	11735	1.62	1.23	0.0	8.0
S9JNJOB5	10646	1.67	1.24	0.0	8.0
S10JNJOB5	13513	1.66	1.26	0.0	8.0
S11JNJOB5	12488	1.71	1.27	0.0	8.0
S12JNJOB5	11031	1.75	1.29	0.0	8.0

Categorical Variable Codes

Value	R1JJOBS	R2JJOBS	R3JJOBS	R4JJOBS	R5JJOBS	R6JJOBS	R7JJOBS
0.Never worked	496	863	807	1030	872	757	811
1.Worked, no 5+ year jobs	1237	1022	862	1091	982	890	1231
2.Worked, 1+ job for 5+ yrs	10365	15919	14686	17552	16152	15101	16760
8.Worked, DK if any 5+ yr j	541	1015	998	1356	1238	1127	1075
9.DK if worked	13	823	638	355	335	290	252

Value	R8JJOBS	R9JJOBS	R10JJOBS	R11JJOBS	R12JJOBS
0.Never worked	705	637	1024	896	758
1.Worked, no 5+ year jobs	1059	975	1614	1458	1289
2.Worked, 1+ job for 5+ yrs	15536	14580	18197	17158	15785
8.Worked, DK if any 5+ yr j	972	865	899	907	809
9.DK if worked	197	160	300	135	107

Value	S1JJOBS	S2JJOBS	S3JJOBS	S4JJOBS	S5JJOBS	S6JJOBS	S7JJOBS
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.Never worked	353	477	415	494	410	347	380
1.Worked, no 5+ year jobs	924	728	596	747	667	599	800
2.Worked, 1+ job for 5+ yrs	8214	10925	10010	11801	10812	9949	11109
8.Worked, DK if any 5+ yr j	405	627	613	787	711	630	600
9.DK if worked	4	331	281	149	130	114	83

Value	S8JJOBS	S9JJOBS	S10JJOBS	S11JJOBS	S12JJOBS
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.Never worked	328	279	484	424	349
1.Worked, no 5+ year jobs	677	607	968	849	735
2.Worked, 1+ job for 5+ yrs	10137	9263	11473	10692	9504
8.Worked, DK if any 5+ yr j	534	450	448	471	404
9.DK if worked	59	47	140	52	39

How Constructed

RwJJOBS gives the status of the Respondent's job history including jobs reported as current at interviews. RwJNJOBS is the number of jobs the Respondent reports having through job history and job transition questions at each interview. RwJMISS is the number of these jobs that are missing dates, including jobs about which no questions are ever asked. RwJNJOB5 is the number of jobs the Respondent reports holding for 5 or more years, including those reported in job history, and through job transition questions.

SwJJOBS, SwJNJOBS, SwJMISS, and SwJNJOB5 are the same information for the Respondent's spouse or partner.

RwJJOBS is a categorical variable which is set to "0" if the Respondent never reports working; "1" if the Respondent has worked but has a tenure of less than 5 years on all jobs; "2" if the Respondent has had at least one job lasting 5 or more years; "8" if the Respondent has worked but there is not enough information to determine whether any job lasted 5 or more years; and "9" when whether the Respondent ever worked is missing. It is based on examination of reports on numbers of jobs in job history and the lengths of those jobs, together with the jobs reported at each interview.

RwJNJOBS includes the job last worked, if the Respondent is unemployed at his/her first interview, the number of jobs lasting 5 or more years as reported in job history, and the current count of jobs observed at each interview. RwJMISS includes any jobs where the reported dates are missing. It also includes jobs for which no dates are asked. For example, if the Respondent reports having 7 jobs lasting 5 or more years in job history, the questions will ask for dates on at most 3 of these jobs, so RwJMISS would be at least 4.

RwJNJOB5 counts only those jobs that are determined to last 5 or more years. The length of a job is determined by examining start and stop dates, if available. If a Respondent reports having multiple 5-year jobs in job history, those for which dates are missing or not ascertained are counted. In some cases, an individual may report having a 5-year job, but when asked for the start and stop dates for the job, provides dates that are short of the 5-year period. Such jobs are NOT counted in RwJNJOB5.

The spouse variables are taken from the Wave "w" spouse's self-report, e.g., S3JJOBS is taken from the Wave 3 spouse's RwJJOBS.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about his/her last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so, they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc. Wave 5 is preliminary data from which occupation and industry codes have been omitted.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2708           F1a:MONTH UNEMPLOYED
    V2711           F1c:LAST WRK THIS JOB-MO
    V2712           F1c:LAST WRK THIS JOB-YR
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
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    V2715           F1e:MONTH RETIRED
    V2716           F1e:YEAR RETIRED
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2816           F23:YR STARTED FOR EMPLR
    V2834           F33:YR STRT THIS BUSINES
    V3402           G1A:MO LST WRK W/PAY
    V3403           G1A:YR LST WRK W/PAY
    V3418           G13:YR STRT WRK JOB
    V3442           G25:R/SE:YR  STRT @ BUS.
    V3604           H4:WHN STRT WRKNG JOB-YR
    V3607           H7:YEAR STP WRKNG AT JB
    V3704           H25:1ST:YR STRTD THERE
    V3705           H26:1ST:YR LEFT THERE
    V3804           H25:NXT:YR STRTD THERE
    V3805           H26:NXT:YR LEFT THERE
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1182           G4. CURRENT WORK START YEAR
    B1183           G4. CURRENT WORK START YEARS AGO
    B1184           G4. CURRENT WORK START AT AGE
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1221           G14. JOB LAST 2 YRS START YEAR
    B1222           G14. JOB LAST 2 YRS START YEARS AGO
    B1223           G14. JOB LAST 2 YRS START AT AGE
    B1232           G20. EVER WORK 10/+ YRS?
    B1235           G22. 10/+ YRS ONE EMP: # YEARS
HRS 1994:
    W3307           FA1a.UNEMPLOYED-MONTH
    W3308           FA1b.UNEMPLOYED-YEAR
    W3310           FA1d.LAST WORKED ON JOB-
    W3311           FA1e.LAST WORKED ON JOB-
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3318           FA5.STOPPED WORKING FOR
    W3319           FA5.STOPPED WORKING FOR
    W3458           FA19.STILL WORKING FOR W
    W3503           FA26.STOPPED WORKING FOR
    W3504           FA26.STOPPED WORKING FOR
    W3662           FA59.START WORK FOR EMPL
    W3663           FA59.START WORK FOR EMPL
    W4200           FB2.STOPPED WORK FOR EMP
    W4201           FB2a.STOPPED WORK FOR EM
    W4327           FB22.STARTED S-E WORK-MO
    W4328           FB22a.STARTED S-E WORK-Y
    W4800           FC2.MONTH STOPPED SELF-E
    W4801           FC2a.YEAR STOPPED SELF-E
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W7002           G1a.LAST WORKED-YEAR
    W7003           G1a.LAST WORKED-YEARS AG
    W7004           G1a.LAST WORKED-MONTH
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    W7018           G13.START WORK-YEAR
    W7019           G13.START WORK-YEARS AGO
    W7020           G13.START WORK-AGE
    W7103           H4.START WORK-YEAR
    W7104           H4.START WORK-YEARS AGO
    W7105           H4.START WORK-AGE
    W7108           H7.LEFT EMPLOYER-YEAR
    W7109           H7.LEFT EMPLOYER-YEARS A
    W7110           H7.LEFT EMPLOYER-AGE
    W7162           EMP1. H25.START WORK-YEA
    W7163           EMP1. H26.LEFT EMPLOYER-
    W7196           EMP2. H25.START WORK-YEA
    W7197           EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2633           GA1D. MONTH LAST WORKED - TEMPORARY
    D2634           GA1E. YEAR LAST WORKED - TEMPORARY
    D2638           GA1F. MONTH DISABLED
    D2639           GA1G. YEAR DISABLED
    D2643           GA1J.YEAR RETIRED
    D2644           GA1J.MONTH RETIRED
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2654           GA5. MONTH STOPPED SELF-EMPL
    D2655           GA5A. YEAR STOPPED SELF-EMPL
    D2747           GA19. STILL WORKING SAME EMPLOYER
    D2759           GA26. MONTH STOPPED WORKING WAVE I EMPLO
    D2760           GA26A. YEAR STOPPED WORKING WAVE I EMPLO
    D2831           GA43. MONTH STARTED CURRENT WORK
    D2832           GA43A. YEAR STARTED CURRENT WORK
    D3188           GB2. MONTH STOPPED SELF-EMPL
    D3189           GB2A. YEAR STOPPED SELF-EMPL
    D3545           GC2. MONTH STOPPED SELF-EMPL
    D3546           GC2A. YEAR STOPPED SELF-EMPL
    D3639           GC16. MONTH STOPPED WORKING WAVE I EMPLO
    D3640           GC16A. YEAR STOPPED WORKING WAVE I EMPLO
HRS 1996:
    E2612           G1A.UNEMPLOYED-MONTH
    E2613           G1B.UNEMPLOYED-YEAR
    E2616           G1D.LAST WORKED ON JOB-MONTH
    E2617           G1E.LAST WORKED ON JOB-YEAR
    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2630           G5.STOPPED WORKING FOR SELF-MONTH
    E2631           G5A.STOPPED WORKING FOR SELF-YEAR
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2667           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    E2668           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    E2825           G63.START WORK FOR EMPLOYER-MONTH
    E2826           G63A.START WORK FOR EMPLOYER-YEAR
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    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3129           GG1A.LAST WORKED-MONTH
    E3146           GG13.START WORK-YEAR
    E3147           GG13.START WORK-YEARS AGO
    E3148           GG13.START WORK-AGE
    E3329           GH4.START WORK-YEAR
    E3330           GH4.START WORK-YEARS AGO
    E3331           GH4.START WORK-AGE
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
HRS 1998:
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3120           G1D.LAST WORKED ON JOB-MONTH
    F3121           G1E.LAST WORKED ON JOB-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3348           G63.START WORK FOR EMPLOYER-MONTH
    F3349           G63A.START WORK FOR EMPLOYER-YEAR
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3647           GG1A.LAST WORKED-MONTH
    F3664           GG13.START WORK-YEAR
    F3665           GG13.START WORK-YEARS AGO
    F3666           GG13.START WORK-AGE
    F3834           GH4.START WORK-YEAR
    F3835           GH4.START WORK-YEARS AGO
    F3836           GH4.START WORK-AGE
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3903_1         GH25.START WORK FOR EMPLOYER-YEAR
    F3903_2         GH25.START WORK FOR EMPLOYER-YEAR
    F3904_1         GH26.LEFT EMPLOYER-YEAR
    F3904_2         GH26.LEFT EMPLOYER-YEAR
HRS 2000:
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3370           G1D.LAST WORKED ON JOB-MONTH
    G3371           G1E.LAST WORKED ON JOB-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3384           G5.STOPPED WORKING FOR SELF-MONTH
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    G3385           G5A.STOPPED WORKING FOR SELF-YEAR
    G3416           G19B.STILL WORKING PREV EMPLOYER
    G3437           G26.STOP WORK PREV WAVE EMPLYR-MO
    G3438           G26A.STOP WORK PREV WAVE EMPLYR-YR
    G3607           G63.START WORK FOR EMPLOYER-MONTH
    G3608           G63A.START WORK FOR EMPLOYER-YEAR
    G3954           GG1A1.LAST WORKED WHEN-YEAR
    G3955           GG1A2.LAST WORKED WHEN-YEARS AGO
    G3957           GG1A.LAST WORKED-MONTH
    G3974           GG13.START WORK-YEAR
    G3975           GG13Y1. START WORK-YEARS AGO
    G3976           GG13Y2. START WORK-AGE
    G4096           GH4.START WORK-YEAR
    G4097           GH4Y1. START WORK-YEARS AGO
    G4098           GH4Y2. START WORK-AGE
    G4105           GH7Y1. LEFT EMPLOYER-YEARS AGO
    G4106           GH7Y2. LEFT EMPLOYER-AGE
    G4176_1         GH25.START WORK FOR EMPLOYER-YEAR
    G4176_2         GH25.START WORK FOR EMPLOYER-YEAR
    G4177_1         GH26.LEFT EMPLOYER-YEAR
    G4177_2         GH26.LEFT EMPLOYER-YEAR
HRS 2002:
    HJ007           MO UNEMPLOYED
    HJ008           YR UNEMPLOYED
    HJ011           MO LAST WORKED - LAID OFF
    HJ012           YR LAST WORKED - LAID OFF
    HJ014           DISABLED-MO
    HJ015           DISABLED- YR
    HJ017           RETIRED-MO
    HJ018           RETIRED-YR
    HJ020           WORKING FOR PAY
    HJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    HJ023           STOPPED WORKING FOR SLF-MO
    HJ024           STOPPED WORKING FOR SLF- YR
    HJ045           STILL WORKING PREV EMPLOYER
    HJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    HJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    HJ248           MO-START WORK FOR CURRENT EMPLOYER
    HJ249           YR-START WORK FOR CURRENT EMPLOYER
    HK002           LAST WRKED WHEN-YR
    HK003           LAST WRKED WHEN-YRS AGO
    HK004           LAST WRKED-MO
    HK018           START WRK-YR
    HK019           START WRK-YRS AGO
    HK020           START WRK- AT AGE
    HL009           START WRK-YR
    HL010           START WORK-YRS AGO
    HL011           START WORK- AT AGE
    HL017           LEFT EMPLOYER-YRS AGO
    HL018           LEFT EMPLOYER- AT AGE
    HL078_1         START WRK FOR EMP- INC PENSION- YR- 1
    HL078_2         START WRK FOR EMP- INC PENSION- YR- 2
    HL079_1         LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    HL079_2         LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2004:
    JJ007           MO UNEMPLOYED
    JJ008           YR UNEMPLOYED
    JJ011           MO LAST WORKED - LAID OFF
    JJ012           YR LAST WORKED - LAID OFF
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    JJ014           DISABLED-MO
    JJ015           DISABLED- YR
    JJ017           RETIRED-MO
    JJ018           RETIRED-YR
    JJ020           WORKING FOR PAY
    JJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    JJ023           STOPPED WORKING FOR SLF-MO
    JJ024           STOPPED WORKING FOR SLF- YR
    JJ045           STILL WORKING PREV EMPLOYER
    JJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    JJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    JJ248           MO-START WORK FOR CURRENT EMPLOYER
    JJ249           YR-START WORK FOR CURRENT EMPLOYER
    JK003           WORK FOR PAY MORE THAN FEW MOS
    JK004           LAST WRKED WHEN-YR
    JK005           LAST WRKED WHEN-YRS AGO
    JK006           LAST WRKED-MO
    JK022           START WRK-YR
    JK023           START WRK-YRS AGO
    JK024           START WRK- AT AGE
    JL009           START WRK-YR
    JL010           START WORK-YRS AGO
    JL011           START WORK- AT AGE
    JL017           LEFT EMPLOYER-YRS AGO
    JL018           LEFT EMPLOYER- AT AGE
    JL034A          START WRK FOR EMP- INC PENSION- YR- 1
    JL034B          START WRK FOR EMP- INC PENSION- YR- 2
    JL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    JL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2006:
    KJ007           MO UNEMPLOYED
    KJ008           YR UNEMPLOYED
    KJ011           MO LAST WORKED - LAID OFF
    KJ012           YR LAST WORKED - LAID OFF
    KJ014           DISABLED-MO
    KJ015           DISABLED- YR
    KJ017           RETIRED-MO
    KJ018           RETIRED-YR
    KJ020           WORKING FOR PAY
    KJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    KJ023           STOPPED WORKING FOR SLF-MO
    KJ024           STOPPED WORKING FOR SLF- YR
    KJ045           STILL WORKING PREV EMPLOYER
    KJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    KJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    KJ248           MO-START WORK FOR CURRENT EMPLOYER
    KJ249           YR-START WORK FOR CURRENT EMPLOYER
    KK003           WORK FOR PAY MORE THAN FEW MOS
    KK004           LAST WRKED WHEN-YR
    KK005           LAST WRKED WHEN-YRS AGO
    KK006           LAST WRKED-MO
    KK022           START WRK-YR
    KK023           START WRK-YRS AGO
    KK024           START WRK- AT AGE
    KL009           START WRK-YR
    KL010           START WORK-YRS AGO
    KL011           START WORK- AT AGE
    KL017           LEFT EMPLOYER-YRS AGO
    KL018           LEFT EMPLOYER- AT AGE
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    KL034A          START WRK FOR EMP- INC PENSION- YR- 1
    KL034B          START WRK FOR EMP- INC PENSION- YR- 2
    KL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    KL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2008:
    LJ007           MO UNEMPLOYED
    LJ008           YR UNEMPLOYED
    LJ011           MO LAST WORKED - LAID OFF
    LJ012           YR LAST WORKED - LAID OFF
    LJ014           DISABLED-MO
    LJ015           DISABLED- YR
    LJ017           RETIRED-MO
    LJ018           RETIRED-YR
    LJ020           WORKING FOR PAY
    LJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    LJ023           STOPPED WORKING FOR SLF-MO
    LJ024           STOPPED WORKING FOR SLF- YR
    LJ045           STILL WORKING PREV EMPLOYER
    LJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    LJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    LJ248           MO-START WORK FOR CURRENT EMPLOYER
    LJ249           YR-START WORK FOR CURRENT EMPLOYER
    LK003           WORK FOR PAY MORE THAN FEW MOS
    LK004           LAST WRKED WHEN-YR
    LK005           LAST WRKED WHEN-YRS AGO
    LK006           LAST WRKED-MO
    LK022           START WRK-YR
    LK023           START WRK-YRS AGO
    LK024           START WRK- AT AGE
    LL009           START WRK-YR
    LL010           START WORK-YRS AGO
    LL011           START WORK- AT AGE
    LL017           LEFT EMPLOYER-YRS AGO
    LL018           LEFT EMPLOYER- AT AGE
    LL034A          START WRK FOR EMP- INC PENSION- YR- 1
    LL034B          START WRK FOR EMP- INC PENSION- YR- 2
    LL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    LL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2010:
    MJ007           MO UNEMPLOYED
    MJ008           YR UNEMPLOYED
    MJ011           MO LAST WORKED - LAID OFF
    MJ012           YR LAST WORKED - LAID OFF
    MJ014           DISABLED-MO
    MJ015           DISABLED- YR
    MJ017           RETIRED-MO
    MJ018           RETIRED-YR
    MJ020           WORKING FOR PAY
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    MJ023           STOPPED WORKING FOR SLF-MO
    MJ024           STOPPED WORKING FOR SLF- YR
    MJ045           STILL WORKING PREV EMPLOYER
    MJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    MJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    MJ248           MO-START WORK FOR CURRENT EMPLOYER
    MJ249           YR-START WORK FOR CURRENT EMPLOYER
    MK003           WORK FOR PAY MORE THAN FEW MOS
    MK004           LAST WRKED WHEN-YR
    MK005           LAST WRKED WHEN-YRS AGO
```

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    MK006           LAST WRKED-MO
    MK022           START WRK-YR
    MK023           START WRK-YRS AGO
    MK024           START WRK- AT AGE
    ML009           START WRK-YR
    ML010           START WORK-YRS AGO
    ML011           START WORK- AT AGE
    ML017           LEFT EMPLOYER-YRS AGO
    ML018           LEFT EMPLOYER- AT AGE
    ML034A          START WRK FOR EMP- INC PENSION- YR- 1
    ML034B          START WRK FOR EMP- INC PENSION- YR- 2
    ML035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    ML035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2012:
    NJ007           MO UNEMPLOYED
    NJ008           YR UNEMPLOYED
    NJ011           MO LAST WORKED - LAID OFF
    NJ012           YR LAST WORKED - LAID OFF
    NJ014           DISABLED-MO
    NJ015           DISABLED- YR
    NJ017           RETIRED-MO
    NJ018           RETIRED-YR
    NJ020           WORKING FOR PAY
    NJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    NJ023           STOPPED WORKING FOR SLF-MO
    NJ024           STOPPED WORKING FOR SLF- YR
    NJ045           STILL WORKING PREV EMPLOYER
    NJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    NJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    NJ248           MO-START WORK FOR CURRENT EMPLOYER
    NJ249           YR-START WORK FOR CURRENT EMPLOYER
    NK003           WORK FOR PAY MORE THAN FEW MOS
    NK004           LAST WRKED WHEN-YR
    NK005           LAST WRKED WHEN-YRS AGO
    NK006           LAST WRKED-MO
    NK022           START WRK-YR
    NK023           START WRK-YRS AGO
    NK024           START WRK- AT AGE
    NL009           START WRK-YR
    NL010           START WORK-YRS AGO
    NL011           START WORK- AT AGE
    NL017           LEFT EMPLOYER-YRS AGO
    NL018           LEFT EMPLOYER- AT AGE
    NL034A          START WRK FOR EMP- INC PENSION- YR- 1
    NL034B          START WRK FOR EMP- INC PENSION- YR- 2
    NL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    NL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2014:
    OJ007           MO UNEMPLOYED
    OJ008           YR UNEMPLOYED
    OJ011           MO LAST WORKED - LAID OFF
    OJ012           YR LAST WORKED - LAID OFF
    OJ014           DISABLED-MO
    OJ015           DISABLED- YR
    OJ017           RETIRED-MO
    OJ018           RETIRED-YR
    OJ020           WORKING FOR PAY
    OJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    OJ023           STOPPED WORKING FOR SLF-MO
```

OJ024	STOPPED WORKING FOR SLF- YR
OJ045	STILL WORKING PREV EMPLOYER
OJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
OJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
OJ248	MO-START WORK FOR CURRENT EMPLOYER
OJ249	YR-START WORK FOR CURRENT EMPLOYER
OK003	WORK FOR PAY MORE THAN FEW MOS
OK004	LAST WRKED WHEN-YR
OK005	LAST WRKED WHEN-YRS AGO
OK006	LAST WRKED-MO
OK022	START WRK-YR
OK023	START WRK-YRS AGO
OK024	START WRK- AT AGE
OL009	START WRK-YR
OL010	START WORK-YRS AGO
OL011	START WORK- AT AGE
OL017	LEFT EMPLOYER-YRS AGO
OL018	LEFT EMPLOYER- AT AGE
OL034A	START WRK FOR EMP- INC PENSION- YR- 1
OL034B	START WRK FOR EMP- INC PENSION- YR- 2
OL035A	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
OL035B	LEFT EMPLOYER- INCLUDE PENSION- YR- 2

Total years worked from self report

Wave	Variable	Label	Type
1	R1JYEARS	R1JYEARS:W1 R Years Worked/self-rpt+jobh	Cont
2	R2JYEARS	R2JYEARS:W2 R Years Worked/self-rpt+jobh	Cont
3	R3JYEARS	R3JYEARS:W3 R Years Worked/self-rpt+jobh	Cont
4	R4JYEARS	R4JYEARS:W4 R Years Worked/self-rpt+jobh	Cont
5	R5JYEARS	R5JYEARS:W5 R Years Worked/self-rpt+jobh	Cont
6	R6JYEARS	R6JYEARS:W6 R Years Worked/self-rpt+jobh	Cont
7	R7JYEARS	R7JYEARS:W7 R Years Worked/self-rpt+jobh	Cont
8	R8JYEARS	R8JYEARS:W8 R Years Worked/self-rpt+jobh	Cont
9	R9JYEARS	R9JYEARS:W9 R Years Worked/self-rpt+jobh	Cont
10	R10JYEARS	R10JYEARS:W10 R Years Worked/self-rpt+jobh	Cont
11	R11JYEARS	R11JYEARS:W11 R Years Worked/self-rpt+jobh	Cont
12	R12JYEARS	R12JYEARS:W12 R Years Worked/self-rpt+jobh	Cont
1	S1JYEARS	S1JYEARS:W1 S Years Worked/self-rpt+jobh	Cont
2	S2JYEARS	S2JYEARS:W2 S Years Worked/self-rpt+jobh	Cont
3	S3JYEARS	S3JYEARS:W3 S Years Worked/self-rpt+jobh	Cont
4	S4JYEARS	S4JYEARS:W4 S Years Worked/self-rpt+jobh	Cont
5	S5JYEARS	S5JYEARS:W5 S Years Worked/self-rpt+jobh	Cont
6	S6JYEARS	S6JYEARS:W6 S Years Worked/self-rpt+jobh	Cont
7	S7JYEARS	S7JYEARS:W7 S Years Worked/self-rpt+jobh	Cont
8	S8JYEARS	S8JYEARS:W8 S Years Worked/self-rpt+jobh	Cont
9	S9JYEARS	S9JYEARS:W9 S Years Worked/self-rpt+jobh	Cont
10	S10JYEARS	S10JYEARS:W10 S Years Worked/self-rpt+jobh	Cont
11	S11JYEARS	S11JYEARS:W11 S Years Worked/self-rpt+jobh	Cont
12	S12JYEARS	S12JYEARS:W12 S Years Worked/self-rpt+jobh	Cont
1	R1JYEARM	R1JYEARM:W1 R Years Worked/missing flag	Categ
2	R2JYEARM	R2JYEARM:W2 R Years Worked/missing flag	Categ
3	R3JYEARM	R3JYEARM:W3 R Years Worked/missing flag	Categ
4	R4JYEARM	R4JYEARM:W4 R Years Worked/missing flag	Categ
5	R5JYEARM	R5JYEARM:W5 R Years Worked/missing flag	Categ
6	R6JYEARM	R6JYEARM:W6 R Years Worked/missing flag	Categ
7	R7JYEARM	R7JYEARM:W7 R Years Worked/missing flag	Categ
8	R8JYEARM	R8JYEARM:W8 R Years Worked/missing flag	Categ
9	R9JYEARM	R9JYEARM:W9 R Years Worked/missing flag	Categ
10	R10JYEARM	R10JYEARM:W10 R Years Worked/missing flag	Categ
11	R11JYEARM	R11JYEARM:W11 R Years Worked/missing flag	Categ
12	R12JYEARM	R12JYEARM:W12 R Years Worked/missing flag	Categ
1	S1JYEARM	S1JYEARM:W1 S Years Worked/missing flag	Categ
2	S2JYEARM	S2JYEARM:W2 S Years Worked/missing flag	Categ
3	S3JYEARM	S3JYEARM:W3 S Years Worked/missing flag	Categ
4	S4JYEARM	S4JYEARM:W4 S Years Worked/missing flag	Categ
5	S5JYEARM	S5JYEARM:W5 S Years Worked/missing flag	Categ
6	S6JYEARM	S6JYEARM:W6 S Years Worked/missing flag	Categ
7	S7JYEARM	S7JYEARM:W7 S Years Worked/missing flag	Categ
8	S8JYEARM	S8JYEARM:W8 S Years Worked/missing flag	Categ
9	S9JYEARM	S9JYEARM:W9 S Years Worked/missing flag	Categ
10	S10JYEARM	S10JYEARM:W10 S Years Worked/missing flag	Categ
11	S11JYEARM	S11JYEARM:W11 S Years Worked/missing flag	Categ
12	S12JYEARM	S12JYEARM:W12 S Years Worked/missing flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JYEARS	12652	27.62	13.45	0.0	65.0
R2JYEARS	19642	27.45	15.84	0.0	75.0
R3JYEARS	17991	29.05	16.09	0.0	76.0
R4JYEARS	21384	30.30	15.91	0.0	78.0
R5JYEARS	19579	31.00	16.07	0.0	78.0

R6JYEARS	18165	31.85	16.13	0.0	78.0
R7JYEARS	20129	31.52	15.71	0.0	77.0
R8JYEARS	18469	32.46	15.80	0.0	79.0
R9JYEARS	17217	33.24	15.86	0.0	81.0
R10JYEARS	22034	29.45	16.60	0.0	83.0
R11JYEARS	20554	30.12	16.57	0.0	85.0
R12JYEARS	18748	30.69	16.53	0.0	87.0
S1JYEARS	9900	28.22	13.38	0.0	65.0
S2JYEARS	13088	29.10	15.18	0.0	70.0
S3JYEARS	11915	30.64	15.42	0.0	72.0
S4JYEARS	13978	31.63	15.17	0.0	74.0
S5JYEARS	12730	32.50	15.28	0.0	74.0
S6JYEARS	11639	33.47	15.33	0.0	76.0
S7JYEARS	12972	33.00	14.91	0.0	76.0
S8JYEARS	11735	33.89	14.99	0.0	75.0
S9JYEARS	10646	34.88	15.02	0.0	76.0
S10JYEARS	13513	30.67	16.22	0.0	75.0
S11JYEARS	12488	31.08	16.20	0.0	75.0
S12JYEARS	11031	31.56	16.14	0.0	73.0
R1JYEARM	12652	0.45	0.82	0.0	6.0
R2JYEARM	19642	1.20	1.66	0.0	6.0
R3JYEARM	17991	1.11	1.61	0.0	6.0
R4JYEARM	21384	0.89	1.41	0.0	6.0
R5JYEARM	19579	0.86	1.37	0.0	6.0
R6JYEARM	18165	0.82	1.32	0.0	6.0
R7JYEARM	20129	0.77	1.22	0.0	6.0
R8JYEARM	18469	0.73	1.17	0.0	6.0
R9JYEARM	17217	0.70	1.12	0.0	6.0
R10JYEARM	22034	0.99	1.14	0.0	6.0
R11JYEARM	20554	0.99	1.12	0.0	6.0
R12JYEARM	18748	0.99	1.11	0.0	6.0
S1JYEARM	9900	0.44	0.81	0.0	6.0
S2JYEARM	13088	1.01	1.54	0.0	6.0
S3JYEARM	11915	0.91	1.46	0.0	6.0
S4JYEARM	13978	0.73	1.25	0.0	6.0
S5JYEARM	12730	0.70	1.20	0.0	6.0
S6JYEARM	11639	0.66	1.14	0.0	6.0
S7JYEARM	12972	0.63	1.05	0.0	6.0
S8JYEARM	11735	0.61	1.01	0.0	6.0
S9JYEARM	10646	0.59	0.97	0.0	6.0
S10JYEARM	13513	0.94	1.08	0.0	6.0
S11JYEARM	12488	0.97	1.07	0.0	6.0
S12JYEARM	11031	0.99	1.07	0.0	6.0

Categorical Variable Codes

Value	R1JYEARM	R2JYEARM	R3JYEARM	R4JYEARM	R5JYEARM	R6JYEARM	R7JYEARM
0.No date missing	9383	11427	10836	13665	12543	11743	12940
1.At least 1 job date missi	991	1052	983	1279	1233	1207	1699
2.Early years worked missin	2150	3449	3273	4353	4029	3762	4229
3.Early yrs/1+ job dt missi	117	165	152	204	183	161	227
4.No job hist,w2a used		2908	2138	1285	1126	918	745
5.w2a>jobhist,w2a used	3	296	281	260	205	167	130
6.Job dt=.,w2a gt jobhist,w	8	345	328	338	260	207	159

Value	R8JYEARM	R9JYEARM	R10JYEARM	R11JYEARM	R12JYEARM
0.No date missing	12005	11276	11391	10541	9523
1.At least 1 job date missi	1611	1537	1755	1675	1560
2.Early years worked missin	3841	3569	7308	6872	6337
3.Early yrs/1+ job dt missi	218	215	1162	1155	1105
4.No job hist,w2a used	576	451	297	223	160
5.w2a>jobhist,w2a used	94	79	57	41	29
6.Job dt=.,w2a gt jobhist,w	124	90	64	47	34

Value	S1JYEARM	S2JYEARM	S3JYEARM	S4JYEARM	S5JYEARM	S6JYEARM	S7JYEARM
.U=Unmarried	2373	5970	5658	6869	6538	6306	6777
.V=Spouse NR	379	584	418	537	311	220	380
0.No date missing	7382	8163	7694	9485	8685	7959	8763
1.At least 1 job date missi	794	832	752	946	910	875	1203
2.Early years worked missin	1632	2176	2046	2606	2392	2241	2511
3.Early yrs/1+ job dt missi	81	109	92	123	105	96	148
4.No job hist,w2a used		1457	1029	554	445	330	250
5.w2a>jobhist,w2a used	3	183	158	127	89	62	42
6.Job dt=.,w2a gt jobhist,w	8	168	144	137	104	76	55

Value	S8JYEARM	S9JYEARM	S10JYEARM	S11JYEARM	S12JYEARM
.U=Unmarried	6417	6206	7799	7474	7123
.V=Spouse NR	317	365	722	592	594
0.No date missing	7952	7259	7092	6380	5493
1.At least 1 job date missi	1125	1055	1176	1072	974
2.Early years worked missin	2277	2044	4406	4216	3826
3.Early yrs/1+ job dt missi	144	130	747	756	702
4.No job hist,w2a used	171	112	60	45	24
5.w2a>jobhist,w2a used	28	19	15	8	4
6.Job dt=.,w2a gt jobhist,w	38	27	17	11	8

How Constructed

RwJYEARS is the total number of self-reported years worked. RwJYEARM indicates how many missing values are encountered in the derivation of RwJYEARS.

RwJYEARS is derived using all reported jobs and variables regarding number of years worked which was obtained in Wave 3H and from Wave 4 forward. Reported jobs include those at which a Respondent is working at any interview and those reported in the retrospective job history.

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at his/her first interview. If the Respondent is not working, information about the last job is collected. Whether working or not, questions are asked about up to three additional jobs lasting five or more years. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

In Wave 3H and from Wave 4 forward, the Respondent is asked for the earliest year and total number of years worked before the earliest job previously reported in job history.

The derivation uses the earliest year worked and number of years worked variables, along with retrospective job history and all jobs reported since the first interview. In Waves 2A and 3A, jobs reported in the retrospective job history were collected in Wave 4, so their dates are compared to interview dates to determine whether or how long they lasted before the 2A or 3A interview.

The retrospective job history and jobs reported at interviews are compared for overlapping dates so as not to double count years of work. If both job start or stop years are missing, the years of work in those jobs are not added. If one of the years is missing and the job is reported among those lasting 5+ years, the missing year is assumed to be 5 years away from the non-missing year. If one of the years is missing, and the job is reported as the most recent job by an unemployed Respondent (as part of the job history information), then that job is counted as lasting one year. Thus RwJYEARS represents the minimum number of years worked that could be determined.

In Wave 2A some Respondents are asked about the total years worked, and others about total years at the longest held job. If, after processing the current job and job history, R2JYEARS is less than the answer to either of these direct questions, the direct question is used to set R2JYEAR, and RwJYEARS in subsequent waves is adjusted appropriately.

RwJYEARM is a flag that indicates if any of the reported job dates are missing, or if the earliest year worked (or number of years worked up to preloaded first reported year worked) is either not available or missing. It also indicates if the W2A direct question was used. Years worked counts any part of a year as a whole year.

Spouse variables are taken from the Respondent's spouse's self-reported variables, i.e., they are taken the spouse's RwJYEARS and RwJYEARM.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4. In Wave 3H and from Wave 4 forward, new questions ask about the Respondent's years worked before the first job reported in prior waves.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about his/her last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more

that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

In Wave 3H, or at the first interview from Wave 4 forward to which the Respondent responds, a question is added that asks when the Respondent first worked for 6 months or more. Follow-up questions ask how many years the Respondent worked 6 months or more between the year first worked and a preloaded value. The preloaded value is the earliest start year of all jobs reported, presumably derived from job history given at the first interview.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2708           F1a:MONTH UNEMPLOYED
    V2709           F1a:YR UNEMPLOYED
    V2711           F1c:LAST WRK THIS JOB-MO
    V2712           F1c:LAST WRK THIS JOB-YR
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
    V2715           F1e:MONTH RETIRED
    V2716           F1e:YEAR RETIRED
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2816           F23:YR STARTED FOR EMPLR
    V2834           F33:YR STRT THIS BUSINES
    V3401           G1:  RK/PAY +FEW MOS:IMP
    V3402           G1A:MO LST WRK W/PAY
    V3403           G1A:YR LST WRK W/PAY
    V3418           G13:YR STRT WRK JOB
    V3442           G25:R/SE:YR  STRT @ BUS.
    V3604           H4:WHN STRT WRKNG JOB-YR
    V3607           H7:YEAR STP WRKNG AT JB
    V3704           H25:1ST:YR STRTD THERE
    V3705           H26:1ST:YR LEFT THERE
    V3804           H25:NXT:YR STRTD THERE
    V3805           H26:NXT:YR LEFT THERE
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
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    B1178           G2. CURRENTLY SELF EMPLOYED
    B1182           G4. CURRENT WORK START YEAR
    B1183           G4. CURRENT WORK START YEARS AGO
    B1184           G4. CURRENT WORK START AT AGE
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1221           G14. JOB LAST 2 YRS START YEAR
    B1222           G14. JOB LAST 2 YRS START YEARS AGO
    B1223           G14. JOB LAST 2 YRS START AT AGE
    B1232           G20. EVER WORK 10/+ YRS?
    B1234           G21. EVER WORK 10/+ YRS ONE EMPLOYER?
    B1235           G22. 10/+ YRS ONE EMP: # YEARS
    B1241           G26. 10/+YRS ONE EMP: # YEARS WORKED
HRS 1994:
    W3307           FA1a.UNEMPLOYED-MONTH
    W3308           FA1b.UNEMPLOYED-YEAR
    W3310           FA1d.LAST WORKED ON JOB-
    W3311           FA1e.LAST WORKED ON JOB-
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3318           FA5.STOPPED WORKING FOR
    W3319           FA5.STOPPED WORKING FOR
    W3458           FA19.STILL WORKING FOR W
    W3503           FA26.STOPPED WORKING FOR
    W3504           FA26.STOPPED WORKING FOR
    W3662           FA59.START WORK FOR EMPL
    W3663           FA59.START WORK FOR EMPL
    W4200           FB2.STOPPED WORK FOR EMP
    W4201           FB2a.STOPPED WORK FOR EM
    W4327           FB22.STARTED S-E WORK-MO
    W4328           FB22a.STARTED S-E WORK-Y
    W4800           FC2.MONTH STOPPED SELF-E
    W4801           FC2a.YEAR STOPPED SELF-E
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W7002           G1a.LAST WORKED-YEAR
    W7003           G1a.LAST WORKED-YEARS AG
    W7004           G1a.LAST WORKED-MONTH
    W7018           G13.START WORK-YEAR
    W7019           G13.START WORK-YEARS AGO
    W7020           G13.START WORK-AGE
    W7103           H4.START WORK-YEAR
    W7104           H4.START WORK-YEARS AGO
    W7105           H4.START WORK-AGE
    W7108           H7.LEFT EMPLOYER-YEAR
    W7109           H7.LEFT EMPLOYER-YEARS A
    W7110           H7.LEFT EMPLOYER-AGE
    W7162           EMP1. H25.START WORK-YEA
    W7163           EMP1. H26.LEFT EMPLOYER-
    W7196           EMP2. H25.START WORK-YEA
    W7197           EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
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    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2633           GA1D. MONTH LAST WORKED - TEMPORARY
    D2634           GA1E. YEAR LAST WORKED - TEMPORARY
    D2638           GA1F. MONTH DISABLED
    D2639           GA1G. YEAR DISABLED
    D2643           GA1J.YEAR RETIRED
    D2644           GA1J.MONTH RETIRED
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2654           GA5. MONTH STOPPED SELF-EMPL
    D2655           GA5A. YEAR STOPPED SELF-EMPL
    D2747           GA19. STILL WORKING SAME EMPLOYER
    D2759           GA26. MONTH STOPPED WORKING WAVE I EMPLO
    D2760           GA26A. YEAR STOPPED WORKING WAVE I EMPLO
    D2831           GA43. MONTH STARTED CURRENT WORK
    D2832           GA43A. YEAR STARTED CURRENT WORK
    D3188           GB2. MONTH STOPPED SELF-EMPL
    D3189           GB2A. YEAR STOPPED SELF-EMPL
    D3545           GC2. MONTH STOPPED SELF-EMPL
    D3546           GC2A. YEAR STOPPED SELF-EMPL
    D3639           GC16. MONTH STOPPED WORKING WAVE I EMPLO
    D3640           GC16A. YEAR STOPPED WORKING WAVE I EMPLO
HRS 1996:
    E189            PREV WAVE FIRST JOB YEAR
    E2612           G1A.UNEMPLOYED-MONTH
    E2613           G1B.UNEMPLOYED-YEAR
    E2616           G1D.LAST WORKED ON JOB-MONTH
    E2617           G1E.LAST WORKED ON JOB-YEAR
    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2630           G5.STOPPED WORKING FOR SELF-MONTH
    E2631           G5A.STOPPED WORKING FOR SELF-YEAR
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2667           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    E2668           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    E2825           G63.START WORK FOR EMPLOYER-MONTH
    E2826           G63A.START WORK FOR EMPLOYER-YEAR
    E3091           G161.WORK SIX MONTH OR GREATER - YEAR
    E3092           G162.BEGIN YEARS SIX MONTHS OR GREATER
    E3093           G162A.END YEAR
    E3094           G162B.YEARS
    E3095           G162A.RANGE
    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3129           GG1A.LAST WORKED-MONTH
    E3146           GG13.START WORK-YEAR
    E3147           GG13.START WORK-YEARS AGO
    E3148           GG13.START WORK-AGE
    E3329           GH4.START WORK-YEAR
    E3330           GH4.START WORK-YEARS AGO
    E3331           GH4.START WORK-AGE
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
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    E3339           GH7.LEFT EMPLOYER-AGE
HRS 1998:
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3120           G1D.LAST WORKED ON JOB-MONTH
    F3121           G1E.LAST WORKED ON JOB-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3348           G63.START WORK FOR EMPLOYER-MONTH
    F3349           G63A.START WORK FOR EMPLOYER-YEAR
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3647           GG1A.LAST WORKED-MONTH
    F3664           GG13.START WORK-YEAR
    F3665           GG13.START WORK-YEARS AGO
    F3666           GG13.START WORK-AGE
    F3834           GH4.START WORK-YEAR
    F3835           GH4.START WORK-YEARS AGO
    F3836           GH4.START WORK-AGE
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3903_1         GH25.START WORK FOR EMPLOYER-YEAR
    F3903_2         GH25.START WORK FOR EMPLOYER-YEAR
    F3904_1         GH26.LEFT EMPLOYER-YEAR
    F3904_2         GH26.LEFT EMPLOYER-YEAR
    F3973           GH52 FIRST-FINAL
    F3974           GH52.WORK SIX MONTH OR GREATER - YEAR
    F3976           GH52A.BEGIN YEARS SIX MONTHS OR GREATER
    F3977           GH52AA.END YEAR
    F3978           GH52AB.YEARS
    F3979           GH52AA.RANGE
HRS 2000:
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3370           G1D.LAST WORKED ON JOB-MONTH
    G3371           G1E.LAST WORKED ON JOB-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3384           G5.STOPPED WORKING FOR SELF-MONTH
    G3385           G5A.STOPPED WORKING FOR SELF-YEAR
    G3416           G19B.STILL WORKING PREV EMPLOYER
    G3437           G26.STOP WORK PREV WAVE EMPLYR-MO
    G3438           G26A.STOP WORK PREV WAVE EMPLYR-YR
    G3607           G63.START WORK FOR EMPLOYER-MONTH
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    G3608           G63A.START WORK FOR EMPLOYER-YEAR
    G3954           GG1A1.LAST WORKED WHEN-YEAR
    G3955           GG1A2.LAST WORKED WHEN-YEARS AGO
    G3957           GG1A.LAST WORKED-MONTH
    G3974           GG13.START WORK-YEAR
    G3975           GG13Y1. START WORK-YEARS AGO
    G3976           GG13Y2. START WORK-AGE
    G4096           GH4.START WORK-YEAR
    G4097           GH4Y1. START WORK-YEARS AGO
    G4098           GH4Y2. START WORK-AGE
    G4105           GH7Y1. LEFT EMPLOYER-YEARS AGO
    G4106           GH7Y2. LEFT EMPLOYER-AGE
    G4176_1         GH25.START WORK FOR EMPLOYER-YEAR
    G4176_2         GH25.START WORK FOR EMPLOYER-YEAR
    G4177_1         GH26.LEFT EMPLOYER-YEAR
    G4177_2         GH26.LEFT EMPLOYER-YEAR
    G4263           GH52Y3.GH52 FIRST-FINAL
    G4264           GH52Y4.WORK SIX MONTH OR GREATER - YEAR
    G4266           GH52A.BEGIN YEARS SIX MONTHS OR GREATER
    G4267           GH52AA.END YEAR
    G4268           GH52AB.YEARS
    G4269           GH52AC.RANGE
HRS 2002:
    HJ007           MO UNEMPLOYED
    HJ008           YR UNEMPLOYED
    HJ011           MO LAST WORKED - LAID OFF
    HJ012           YR LAST WORKED - LAID OFF
    HJ014           DISABLED-MO
    HJ015           DISABLED- YR
    HJ017           RETIRED-MO
    HJ018           RETIRED-YR
    HJ020           WORKING FOR PAY
    HJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    HJ023           STOPPED WORKING FOR SLF-MO
    HJ024           STOPPED WORKING FOR SLF- YR
    HJ045           STILL WORKING PREV EMPLOYER
    HJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    HJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    HJ248           MO-START WORK FOR CURRENT EMPLOYER
    HJ249           YR-START WORK FOR CURRENT EMPLOYER
    HK004           LAST WRKED-MO
    HK018           START WRK-YR
    HK019           START WRK-YRS AGO
    HK020           START WRK- AT AGE
    HL009           START WRK-YR
    HL010           START WORK-YRS AGO
    HL011           START WORK- AT AGE
    HL017           LEFT EMPLOYER-YRS AGO
    HL018           LEFT EMPLOYER- AT AGE
    HL078_1         START WRK FOR EMP- INC PENSION- YR- 1
    HL078_2         START WRK FOR EMP- INC PENSION- YR- 2
    HL079_1         LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    HL079_2         LEFT EMPLOYER- INCLUDE PENSION- YR- 2
    HL152           1ST WRK SIX MO OR GREATER- YR
    HL153           BEGIN YR WORK SIX MOS OR GREATER
    HL154           END YR WORK SIX MOS OR GREATER
    HL155           # YRS WORK SIX MOS OR GREATER
    HL156           ALL YRS WORK SIX MOS OR GREATER
HRS 2004:
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    JJ007           MO UNEMPLOYED
    JJ008           YR UNEMPLOYED
    JJ011           MO LAST WORKED - LAID OFF
    JJ012           YR LAST WORKED - LAID OFF
    JJ014           DISABLED-MO
    JJ015           DISABLED- YR
    JJ017           RETIRED-MO
    JJ018           RETIRED-YR
    JJ020           WORKING FOR PAY
    JJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    JJ023           STOPPED WORKING FOR SLF-MO
    JJ024           STOPPED WORKING FOR SLF- YR
    JJ045           STILL WORKING PREV EMPLOYER
    JJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    JJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    JJ248           MO-START WORK FOR CURRENT EMPLOYER
    JJ249           YR-START WORK FOR CURRENT EMPLOYER
    JK004           LAST WRKED WHEN-YR
    JK005           LAST WRKED WHEN-YRS AGO
    JK006           LAST WRKED-MO
    JK022           START WRK-YR
    JK023           START WRK-YRS AGO
    JK024           START WRK- AT AGE
    JL009           START WRK-YR
    JL010           START WORK-YRS AGO
    JL011           START WORK- AT AGE
    JL017           LEFT EMPLOYER-YRS AGO
    JL018           LEFT EMPLOYER- AT AGE
    JL034A          START WRK FOR EMP- INC PENSION- YR- 1
    JL034B          START WRK FOR EMP- INC PENSION- YR- 2
    JL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    JL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
    JL068           1ST WRK SIX MO OR GREATER- YR
    JL069           BEGIN YR WORK SIX MOS OR GREATER
    JL070           END YR WORK SIX MOS OR GREATER
    JL071           # YRS WORK SIX MOS OR GREATER
    JL072           ALL YRS WORK SIX MOS OR GREATER
HRS 2006:
    KJ007           MO UNEMPLOYED
    KJ008           YR UNEMPLOYED
    KJ011           MO LAST WORKED - LAID OFF
    KJ012           YR LAST WORKED - LAID OFF
    KJ014           DISABLED-MO
    KJ015           DISABLED- YR
    KJ017           RETIRED-MO
    KJ018           RETIRED-YR
    KJ020           WORKING FOR PAY
    KJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    KJ023           STOPPED WORKING FOR SLF-MO
    KJ024           STOPPED WORKING FOR SLF- YR
    KJ045           STILL WORKING PREV EMPLOYER
    KJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    KJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    KJ248           MO-START WORK FOR CURRENT EMPLOYER
    KJ249           YR-START WORK FOR CURRENT EMPLOYER
    KK004           LAST WRKED WHEN-YR
    KK005           LAST WRKED WHEN-YRS AGO
    KK006           LAST WRKED-MO
    KK022           START WRK-YR
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    KK023           START WRK-YRS AGO
    KK024           START WRK- AT AGE
    KL009           START WRK-YR
    KL010           START WORK-YRS AGO
    KL011           START WORK- AT AGE
    KL017           LEFT EMPLOYER-YRS AGO
    KL018           LEFT EMPLOYER- AT AGE
    KL034A          START WRK FOR EMP- INC PENSION- YR- 1
    KL034B          START WRK FOR EMP- INC PENSION- YR- 2
    KL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    KL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
    KL068           1ST WRK SIX MO OR GREATER- YR
    KL069           BEGIN YR WORK SIX MOS OR GREATER
    KL070           END YR WORK SIX MOS OR GREATER
    KL071           # YRS WORK SIX MOS OR GREATER
    KL072           ALL YRS WORK SIX MOS OR GREATER
HRS 2008:
    LJ007           MO UNEMPLOYED
    LJ008           YR UNEMPLOYED
    LJ011           MO LAST WORKED - LAID OFF
    LJ012           YR LAST WORKED - LAID OFF
    LJ014           DISABLED-MO
    LJ015           DISABLED- YR
    LJ017           RETIRED-MO
    LJ018           RETIRED-YR
    LJ020           WORKING FOR PAY
    LJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    LJ023           STOPPED WORKING FOR SLF-MO
    LJ024           STOPPED WORKING FOR SLF- YR
    LJ045           STILL WORKING PREV EMPLOYER
    LJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    LJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    LJ248           MO-START WORK FOR CURRENT EMPLOYER
    LJ249           YR-START WORK FOR CURRENT EMPLOYER
    LK004           LAST WRKED WHEN-YR
    LK005           LAST WRKED WHEN-YRS AGO
    LK006           LAST WRKED-MO
    LK022           START WRK-YR
    LK023           START WRK-YRS AGO
    LK024           START WRK- AT AGE
    LL009           START WRK-YR
    LL010           START WORK-YRS AGO
    LL011           START WORK- AT AGE
    LL017           LEFT EMPLOYER-YRS AGO
    LL018           LEFT EMPLOYER- AT AGE
    LL034A          START WRK FOR EMP- INC PENSION- YR- 1
    LL034B          START WRK FOR EMP- INC PENSION- YR- 2
    LL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    LL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
    LL068           1ST WRK SIX MO OR GREATER- YR
    LL069           BEGIN YR WORK SIX MOS OR GREATER
    LL070           END YR WORK SIX MOS OR GREATER
    LL071           # YRS WORK SIX MOS OR GREATER
    LL072           ALL YRS WORK SIX MOS OR GREATER
HRS 2010:
    MJ007           MO UNEMPLOYED
    MJ008           YR UNEMPLOYED
    MJ011           MO LAST WORKED - LAID OFF
    MJ012           YR LAST WORKED - LAID OFF
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    MJ014           DISABLED-MO
    MJ015           DISABLED- YR
    MJ017           RETIRED-MO
    MJ018           RETIRED-YR
    MJ020           WORKING FOR PAY
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    MJ023           STOPPED WORKING FOR SLF-MO
    MJ024           STOPPED WORKING FOR SLF- YR
    MJ045           STILL WORKING PREV EMPLOYER
    MJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    MJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    MJ248           MO-START WORK FOR CURRENT EMPLOYER
    MJ249           YR-START WORK FOR CURRENT EMPLOYER
    MK004           LAST WRKED WHEN-YR
    MK005           LAST WRKED WHEN-YRS AGO
    MK006           LAST WRKED-MO
    MK022           START WRK-YR
    MK023           START WRK-YRS AGO
    MK024           START WRK- AT AGE
    ML009           START WRK-YR
    ML010           START WORK-YRS AGO
    ML011           START WORK- AT AGE
    ML017           LEFT EMPLOYER-YRS AGO
    ML018           LEFT EMPLOYER- AT AGE
    ML034A          START WRK FOR EMP- INC PENSION- YR- 1
    ML034B          START WRK FOR EMP- INC PENSION- YR- 2
    ML035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    ML035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
    ML068           1ST WRK SIX MO OR GREATER- YR
    ML069           BEGIN YR WORK SIX MOS OR GREATER
    ML070           END YR WORK SIX MOS OR GREATER
    ML071           # YRS WORK SIX MOS OR GREATER
    ML072           ALL YRS WORK SIX MOS OR GREATER
HRS 2012:
    NJ007           MO UNEMPLOYED
    NJ008           YR UNEMPLOYED
    NJ011           MO LAST WORKED - LAID OFF
    NJ012           YR LAST WORKED - LAID OFF
    NJ014           DISABLED-MO
    NJ015           DISABLED- YR
    NJ017           RETIRED-MO
    NJ018           RETIRED-YR
    NJ020           WORKING FOR PAY
    NJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    NJ023           STOPPED WORKING FOR SLF-MO
    NJ024           STOPPED WORKING FOR SLF- YR
    NJ045           STILL WORKING PREV EMPLOYER
    NJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    NJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    NJ248           MO-START WORK FOR CURRENT EMPLOYER
    NJ249           YR-START WORK FOR CURRENT EMPLOYER
    NK004           LAST WRKED WHEN-YR
    NK005           LAST WRKED WHEN-YRS AGO
    NK006           LAST WRKED-MO
    NK022           START WRK-YR
    NK023           START WRK-YRS AGO
    NK024           START WRK- AT AGE
    NL009           START WRK-YR
    NL010           START WORK-YRS AGO
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    NL011           START WORK- AT AGE
    NL017           LEFT EMPLOYER-YRS AGO
    NL018           LEFT EMPLOYER- AT AGE
    NL034A          START WRK FOR EMP- INC PENSION- YR- 1
    NL034B          START WRK FOR EMP- INC PENSION- YR- 2
    NL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    NL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
    NL068           1ST WRK SIX MO OR GREATER- YR
    NL069           BEGIN YR WORK SIX MOS OR GREATER
    NL070           END YR WORK SIX MOS OR GREATER
    NL071           # YRS WORK SIX MOS OR GREATER
    NL072           ALL YRS WORK SIX MOS OR GREATER
HRS 2014:
    OJ007           MO UNEMPLOYED
    OJ008           YR UNEMPLOYED
    OJ011           MO LAST WORKED - LAID OFF
    OJ012           YR LAST WORKED - LAID OFF
    OJ014           DISABLED-MO
    OJ015           DISABLED- YR
    OJ017           RETIRED-MO
    OJ018           RETIRED-YR
    OJ020           WORKING FOR PAY
    OJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    OJ023           STOPPED WORKING FOR SLF-MO
    OJ024           STOPPED WORKING FOR SLF- YR
    OJ045           STILL WORKING PREV EMPLOYER
    OJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    OJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    OJ248           MO-START WORK FOR CURRENT EMPLOYER
    OJ249           YR-START WORK FOR CURRENT EMPLOYER
    OK004           LAST WRKED WHEN-YR
    OK005           LAST WRKED WHEN-YRS AGO
    OK006           LAST WRKED-MO
    OK022           START WRK-YR
    OK023           START WRK-YRS AGO
    OK024           START WRK- AT AGE
    OL009           START WRK-YR
    OL010           START WORK-YRS AGO
    OL011           START WORK- AT AGE
    OL017           LEFT EMPLOYER-YRS AGO
    OL018           LEFT EMPLOYER- AT AGE
    OL034A          START WRK FOR EMP- INC PENSION- YR- 1
    OL034B          START WRK FOR EMP- INC PENSION- YR- 2
    OL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    OL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
    OL068           1ST WRK SIX MO OR GREATER- YR
    OL069           BEGIN YR WORK SIX MOS OR GREATER
    OL070           END YR WORK SIX MOS OR GREATER
    OL071           # YRS WORK SIX MOS OR GREATER
    OL072           ALL YRS WORK SIX MOS OR GREATER
```

Month and year last job ended

Wave	Variable	Label	Type
1	R1JLASTM	R1JLASTM:W1 Month Last Worked/not workng	Cont
2	R2JLASTM	R2JLASTM:W2 Month Last Worked/not workng	Cont
3	R3JLASTM	R3JLASTM:W3 Month Last Worked/not workng	Cont
4	R4JLASTM	R4JLASTM:W4 Month Last Worked/not workng	Cont
5	R5JLASTM	R5JLASTM:W5 Month Last Worked/not workng	Cont
6	R6JLASTM	R6JLASTM:W6 Month Last Worked/not workng	Cont
7	R7JLASTM	R7JLASTM:W7 Month Last Worked/not workng	Cont
8	R8JLASTM	R8JLASTM:W8 Month Last Worked/not workng	Cont
9	R9JLASTM	R9JLASTM:W9 Month Last Worked/not workng	Cont
10	R10JLASTM	R10JLASTM:W10 Month Last Worked/not workng	Cont
11	R11JLASTM	R11JLASTM:W11 Month Last Worked/not workng	Cont
12	R12JLASTM	R12JLASTM:W12 Month Last Worked/not workng	Cont
1	S1JLASTM	S1JLASTM:W1 Month Last Worked/not workng	Cont
2	S2JLASTM	S2JLASTM:W2 Month Last Worked/not workng	Cont
3	S3JLASTM	S3JLASTM:W3 Month Last Worked/not workng	Cont
4	S4JLASTM	S4JLASTM:W4 Month Last Worked/not workng	Cont
5	S5JLASTM	S5JLASTM:W5 Month Last Worked/not workng	Cont
6	S6JLASTM	S6JLASTM:W6 Month Last Worked/not workng	Cont
7	S7JLASTM	S7JLASTM:W7 Month Last Worked/not workng	Cont
8	S8JLASTM	S8JLASTM:W8 Month Last Worked/not workng	Cont
9	S9JLASTM	S9JLASTM:W9 Month Last Worked/not workng	Cont
10	S10JLASTM	S10JLASTM:W10 Month Last Worked/not workng	Cont
11	S11JLASTM	S11JLASTM:W11 Month Last Worked/not workng	Cont
12	S12JLASTM	S12JLASTM:W12 Month Last Worked/not workng	Cont
1	R1JLASTY	R1JLASTY:W1 Year Last Worked/not working	Cont
2	R2JLASTY	R2JLASTY:W2 Year Last Worked/not working	Cont
3	R3JLASTY	R3JLASTY:W3 Year Last Worked/not working	Cont
4	R4JLASTY	R4JLASTY:W4 Year Last Worked/not working	Cont
5	R5JLASTY	R5JLASTY:W5 Year Last Worked/not working	Cont
6	R6JLASTY	R6JLASTY:W6 Year Last Worked/not working	Cont
7	R7JLASTY	R7JLASTY:W7 Year Last Worked/not working	Cont
8	R8JLASTY	R8JLASTY:W8 Year Last Worked/not working	Cont
9	R9JLASTY	R9JLASTY:W9 Year Last Worked/not working	Cont
10	R10JLASTY	R10JLASTY:W10 Year Last Worked/not working	Cont
11	R11JLASTY	R11JLASTY:W11 Year Last Worked/not working	Cont
12	R12JLASTY	R12JLASTY:W12 Year Last Worked/not working	Cont
1	S1JLASTY	S1JLASTY:W1 Year Last Worked/not working	Cont
2	S2JLASTY	S2JLASTY:W2 Year Last Worked/not working	Cont
3	S3JLASTY	S3JLASTY:W3 Year Last Worked/not working	Cont
4	S4JLASTY	S4JLASTY:W4 Year Last Worked/not working	Cont
5	S5JLASTY	S5JLASTY:W5 Year Last Worked/not working	Cont
6	S6JLASTY	S6JLASTY:W6 Year Last Worked/not working	Cont
7	S7JLASTY	S7JLASTY:W7 Year Last Worked/not working	Cont
8	S8JLASTY	S8JLASTY:W8 Year Last Worked/not working	Cont
9	S9JLASTY	S9JLASTY:W9 Year Last Worked/not working	Cont
10	S10JLASTY	S10JLASTY:W10 Year Last Worked/not working	Cont
11	S11JLASTY	S11JLASTY:W11 Year Last Worked/not working	Cont
12	S12JLASTY	S12JLASTY:W12 Year Last Worked/not working	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLASTM	2694	6.57	3.37	1.0	12.0
R2JLASTM	3045	6.41	3.39	1.0	12.0
R3JLASTM	3888	6.43	3.47	1.0	12.0
R4JLASTM	5240	6.61	3.57	1.0	12.0
R5JLASTM	5794	6.51	3.58	1.0	12.0

R6JLASTM	6395	6.46	3.52	1.0	12.0
R7JLASTM	6921	6.45	3.51	1.0	12.0
R8JLASTM	7142	6.48	3.51	1.0	12.0
R9JLASTM	7279	6.45	3.51	1.0	12.0
R10JLASTM	8455	6.51	3.48	1.0	12.0
R11JLASTM	8633	6.51	3.48	1.0	12.0
R12JLASTM	8528	6.52	3.51	1.0	12.0
S1JLASTM	2099	6.60	3.37	1.0	12.0
S2JLASTM	2284	6.44	3.36	1.0	12.0
S3JLASTM	2836	6.42	3.42	1.0	12.0
S4JLASTM	3595	6.72	3.53	1.0	12.0
S5JLASTM	3932	6.61	3.56	1.0	12.0
S6JLASTM	4264	6.55	3.50	1.0	12.0
S7JLASTM	4531	6.53	3.50	1.0	12.0
S8JLASTM	4570	6.57	3.52	1.0	12.0
S9JLASTM	4528	6.53	3.52	1.0	12.0
S10JLASTM	5114	6.55	3.51	1.0	12.0
S11JLASTM	5101	6.56	3.51	1.0	12.0
S12JLASTM	4830	6.55	3.53	1.0	12.0
R1JLASTY	3741	1984.60	8.98	1945.0	1993.0
R2JLASTY	6760	1982.64	11.86	1920.0	1995.0
R3JLASTY	9440	1983.45	11.28	1920.0	1996.0
R4JLASTY	11338	1985.84	11.36	1920.0	1999.0
R5JLASTY	10859	1987.53	11.38	1920.0	2000.0
R6JLASTY	10631	1989.68	11.34	1929.0	2003.0
R7JLASTY	10819	1991.79	11.28	1929.0	2005.0
R8JLASTY	10458	1993.56	11.16	1929.0	2007.0
R9JLASTY	10089	1995.28	11.18	1929.0	2009.0
R10JLASTY	11357	1998.72	10.79	1935.0	2011.0
R11JLASTY	11036	2000.56	10.54	1935.0	2013.0
R12JLASTY	10488	2002.31	10.49	1935.0	2014.0
S1JLASTY	2923	1984.45	9.22	1947.0	1993.0
S2JLASTY	4561	1983.43	11.36	1928.0	1995.0
S3JLASTY	5913	1984.65	10.79	1931.0	1996.0
S4JLASTY	6946	1987.01	10.82	1931.0	1999.0
S5JLASTY	6598	1988.94	10.58	1932.0	2000.0
S6JLASTY	6387	1991.17	10.48	1932.0	2003.0
S7JLASTY	6456	1993.20	10.29	1932.0	2005.0
S8JLASTY	6164	1994.90	10.23	1940.0	2007.0
S9JLASTY	5788	1996.69	10.12	1941.0	2009.0
S10JLASTY	6461	1999.97	9.80	1941.0	2011.0
S11JLASTY	6197	2001.69	9.61	1944.0	2013.0
S12JLASTY	5688	2003.47	9.62	1945.0	2014.0

How Constructed

RwJLASTM and RwJLASTY are the month and year, respectively, when the Respondent last worked. It is set to missing value .W if the Respondent is working at Wave 'w.'

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at his/her first interview. If the Respondent is not working, information about the last job is collected. If the Respondent reports ever having worked, then the start and stop years of the most recent job held are obtained. Regardless of whether the Respondent is working or

not, questions ask about jobs held for 5 or more years. If the Respondent worked for 5+ years on any other jobs, start and stop dates are obtained for the most recent of them. If any other of the 5+ year jobs had a retirement plan, up to 2 more job start and stop years may be asked. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4. In Wave 2A if the Respondent is unemployed but has worked in the last two years, then the stop date of the last job is asked.

After the first interview, the Respondent is asked when the last interview job ended if the Respondent changes work status, e.g., from employed to not.

For the first interview, the most recent job stop date is selected from among the retrospective job history dates that precede the interview, if the Respondent is not working. This is based on a comparison of the actual dates given rather than simply using the particular "most recent job" question.

At subsequent interviews where the Respondent is not working, he/she is asked when the previous interview job ended. The derivation uses the most recent job stop date. This is based on a comparison of the actual dates given, selecting the most recent date. If the Respondent is not working over consecutive waves, RwJLASTM and RwJLASTY are carried forward.

Job stop dates are reported as month and year or just year. If the month is missing then RwJLASTM is set to missing. To help fill in missing job stop dates between interviews, the months and years given for retirement, disability, unemployment, and temporary layoff are also examined. These dates are asked when the Respondent reports the applicable employment status.

If the Respondent is working, then RwJLASTM and RwJLASTY are set to a .W missing code. If the Respondent never worked, RwJLASTM and RwJLASTY are set to a .N missing code.

SwJLASTM and SwJLASTY are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLASTM and RwJLASTY.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about his/her last job, if there is one. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more

that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working, but has worked during the last two years, information about that last job is collected, including the stop date.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of his/her current job if he/she is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2708           F1a:MONTH UNEMPLOYED
    V2711           F1c:LAST WRK THIS JOB-MO
    V2712           F1c:LAST WRK THIS JOB-YR
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
    V2715           F1e:MONTH RETIRED
    V2716           F1e:YEAR RETIRED
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V3401           G1:  RK/PAY +FEW MOS:IMP
    V3402           G1A:MO LST WRK W/PAY
    V3403           G1A:YR LST WRK W/PAY
    V3607           H7:YEAR STP WRKNG AT JB
    V3705           H26:1ST:YR LEFT THERE
    V3805           H26:NXT:YR LEFT THERE
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1232           G20. EVER WORK 10/+ YRS?
HRS 1994:
    W3307           FA1a.UNEMPLOYED-MONTH
    W3308           FA1b.UNEMPLOYED-YEAR
    W3310           FA1d.LAST WORKED ON JOB-
    W3311           FA1e.LAST WORKED ON JOB-
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3318           FA5.STOPPED WORKING FOR
    W3319           FA5.STOPPED WORKING FOR
    W3503           FA26.STOPPED WORKING FOR
    W3504           FA26.STOPPED WORKING FOR
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    W4200           FB2.STOPPED WORK FOR EMP
    W4201           FB2a.STOPPED WORK FOR EM
    W4800           FC2.MONTH STOPPED SELF-E
    W4801           FC2a.YEAR STOPPED SELF-E
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W7000           G1.EVER WRKD FOR PAY MOR
    W7002           G1a.LAST WORKED-YEAR
    W7003           G1a.LAST WORKED-YEARS AG
    W7004           G1a.LAST WORKED-MONTH
    W7108           H7.LEFT EMPLOYER-YEAR
    W7109           H7.LEFT EMPLOYER-YEARS A
    W7110           H7.LEFT EMPLOYER-AGE
    W7163           EMP1. H26.LEFT EMPLOYER-
    W7197           EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2633           GA1D. MONTH LAST WORKED - TEMPORARY
    D2634           GA1E. YEAR LAST WORKED - TEMPORARY
    D2638           GA1F. MONTH DISABLED
    D2639           GA1G. YEAR DISABLED
    D2643           GA1J.YEAR RETIRED
    D2644           GA1J.MONTH RETIRED
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2654           GA5. MONTH STOPPED SELF-EMPL
    D2655           GA5A. YEAR STOPPED SELF-EMPL
    D2759           GA26. MONTH STOPPED WORKING WAVE I EMPLO
    D2760           GA26A. YEAR STOPPED WORKING WAVE I EMPLO
    D3188           GB2. MONTH STOPPED SELF-EMPL
    D3545           GC2. MONTH STOPPED SELF-EMPL
    D3546           GC2A. YEAR STOPPED SELF-EMPL
    D3639           GC16. MONTH STOPPED WORKING WAVE I EMPLO
HRS 1996:
    E2612           G1A.UNEMPLOYED-MONTH
    E2613           G1B.UNEMPLOYED-YEAR
    E2616           G1D.LAST WORKED ON JOB-MONTH
    E2617           G1E.LAST WORKED ON JOB-YEAR
    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2630           G5.STOPPED WORKING FOR SELF-MONTH
    E2631           G5A.STOPPED WORKING FOR SELF-YEAR
    E2667           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    E2668           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    E3125           GG1.EVER WRKD FOR PAY MORE THN FEW MTHS?
    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3129           GG1A.LAST WORKED-MONTH
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
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HRS 1998:
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3120           G1D.LAST WORKED ON JOB-MONTH
    F3121           G1E.LAST WORKED ON JOB-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3643           GG1.EVER WORKED FOR PAY MORE THAN FEW MT
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3647           GG1A.LAST WORKED-MONTH
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3904_1         GH26.LEFT EMPLOYER-YEAR
    F3904_2         GH26.LEFT EMPLOYER-YEAR
HRS 2000:
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3370           G1D.LAST WORKED ON JOB-MONTH
    G3371           G1E.LAST WORKED ON JOB-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3384           G5.STOPPED WORKING FOR SELF-MONTH
    G3385           G5A.STOPPED WORKING FOR SELF-YEAR
    G3437           G26.STOP WORK PREV WAVE EMPLYR-MO
    G3438           G26A.STOP WORK PREV WAVE EMPLYR-YR
    G3953           GG1.WORK FOR PAY MORE THAN FEW MOS
    G3954           GG1A1.LAST WORKED WHEN-YEAR
    G3955           GG1A2.LAST WORKED WHEN-YEARS AGO
    G3957           GG1A.LAST WORKED-MONTH
    G4105           GH7Y1. LEFT EMPLOYER-YEARS AGO
    G4106           GH7Y2. LEFT EMPLOYER-AGE
    G4177_1         GH26.LEFT EMPLOYER-YEAR
    G4177_2         GH26.LEFT EMPLOYER-YEAR
HRS 2002:
    HJ007           MO UNEMPLOYED
    HJ008           YR UNEMPLOYED
    HJ011           MO LAST WORKED - LAID OFF
    HJ012           YR LAST WORKED - LAID OFF
    HJ014           DISABLED-MO
    HJ015           DISABLED- YR
    HJ017           RETIRED-MO
    HJ018           RETIRED-YR
    HJ020           WORKING FOR PAY
    HJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    HJ023           STOPPED WORKING FOR SLF-MO
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    HJ024           STOPPED WORKING FOR SLF- YR
    HJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    HJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    HK001           WORK FOR PAY MORE THAN FEW MOS
    HK002           LAST WRKED WHEN-YR
    HK003           LAST WRKED WHEN-YRS AGO
    HK004           LAST WRKED-MO
    HL017           LEFT EMPLOYER-YRS AGO
    HL018           LEFT EMPLOYER- AT AGE
    HL079_1         LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    HL079_2         LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2004:
    JJ007           MO UNEMPLOYED
    JJ008           YR UNEMPLOYED
    JJ011           MO LAST WORKED - LAID OFF
    JJ012           YR LAST WORKED - LAID OFF
    JJ014           DISABLED-MO
    JJ015           DISABLED- YR
    JJ017           RETIRED-MO
    JJ018           RETIRED-YR
    JJ020           WORKING FOR PAY
    JJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    JJ023           STOPPED WORKING FOR SLF-MO
    JJ024           STOPPED WORKING FOR SLF- YR
    JJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    JJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    JK003           WORK FOR PAY MORE THAN FEW MOS
    JK004           LAST WRKED WHEN-YR
    JK005           LAST WRKED WHEN-YRS AGO
    JK006           LAST WRKED-MO
    JL017           LEFT EMPLOYER-YRS AGO
    JL018           LEFT EMPLOYER- AT AGE
    JL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    JL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2006:
    KJ007           MO UNEMPLOYED
    KJ008           YR UNEMPLOYED
    KJ011           MO LAST WORKED - LAID OFF
    KJ012           YR LAST WORKED - LAID OFF
    KJ014           DISABLED-MO
    KJ015           DISABLED- YR
    KJ017           RETIRED-MO
    KJ018           RETIRED-YR
    KJ020           WORKING FOR PAY
    KJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    KJ023           STOPPED WORKING FOR SLF-MO
    KJ024           STOPPED WORKING FOR SLF- YR
    KJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    KJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    KK003           WORK FOR PAY MORE THAN FEW MOS
    KK004           LAST WRKED WHEN-YR
    KK005           LAST WRKED WHEN-YRS AGO
    KK006           LAST WRKED-MO
    KL017           LEFT EMPLOYER-YRS AGO
    KL018           LEFT EMPLOYER- AT AGE
    KL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    KL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2008:
    LJ007           MO UNEMPLOYED
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    LJ008           YR UNEMPLOYED
    LJ011           MO LAST WORKED - LAID OFF
    LJ012           YR LAST WORKED - LAID OFF
    LJ014           DISABLED-MO
    LJ015           DISABLED- YR
    LJ017           RETIRED-MO
    LJ018           RETIRED-YR
    LJ020           WORKING FOR PAY
    LJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    LJ023           STOPPED WORKING FOR SLF-MO
    LJ024           STOPPED WORKING FOR SLF- YR
    LJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    LJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    LK003           WORK FOR PAY MORE THAN FEW MOS
    LK004           LAST WRKED WHEN-YR
    LK005           LAST WRKED WHEN-YRS AGO
    LK006           LAST WRKED-MO
    LL017           LEFT EMPLOYER-YRS AGO
    LL018           LEFT EMPLOYER- AT AGE
    LL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    LL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2010:
    MJ007           MO UNEMPLOYED
    MJ008           YR UNEMPLOYED
    MJ011           MO LAST WORKED - LAID OFF
    MJ012           YR LAST WORKED - LAID OFF
    MJ014           DISABLED-MO
    MJ015           DISABLED- YR
    MJ017           RETIRED-MO
    MJ018           RETIRED-YR
    MJ020           WORKING FOR PAY
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    MJ023           STOPPED WORKING FOR SLF-MO
    MJ024           STOPPED WORKING FOR SLF- YR
    MJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    MJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    MK003           WORK FOR PAY MORE THAN FEW MOS
    MK004           LAST WRKED WHEN-YR
    MK005           LAST WRKED WHEN-YRS AGO
    MK006           LAST WRKED-MO
    ML017           LEFT EMPLOYER-YRS AGO
    ML018           LEFT EMPLOYER- AT AGE
    ML035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    ML035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2012:
    NJ007           MO UNEMPLOYED
    NJ008           YR UNEMPLOYED
    NJ011           MO LAST WORKED - LAID OFF
    NJ012           YR LAST WORKED - LAID OFF
    NJ014           DISABLED-MO
    NJ015           DISABLED- YR
    NJ017           RETIRED-MO
    NJ018           RETIRED-YR
    NJ020           WORKING FOR PAY
    NJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    NJ023           STOPPED WORKING FOR SLF-MO
    NJ024           STOPPED WORKING FOR SLF- YR
    NJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    NJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
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    NK003           WORK FOR PAY MORE THAN FEW MOS
    NK004           LAST WRKED WHEN-YR
    NK005           LAST WRKED WHEN-YRS AGO
    NK006           LAST WRKED-MO
    NL017           LEFT EMPLOYER-YRS AGO
    NL018           LEFT EMPLOYER- AT AGE
    NL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    NL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2014:
    OJ007           MO UNEMPLOYED
    OJ008           YR UNEMPLOYED
    OJ011           MO LAST WORKED - LAID OFF
    OJ012           YR LAST WORKED - LAID OFF
    OJ014           DISABLED-MO
    OJ015           DISABLED- YR
    OJ017           RETIRED-MO
    OJ018           RETIRED-YR
    OJ020           WORKING FOR PAY
    OJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    OJ023           STOPPED WORKING FOR SLF-MO
    OJ024           STOPPED WORKING FOR SLF- YR
    OJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    OJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    OK003           WORK FOR PAY MORE THAN FEW MOS
    OK004           LAST WRKED WHEN-YR
    OK005           LAST WRKED WHEN-YRS AGO
    OK006           LAST WRKED-MO
    OL017           LEFT EMPLOYER-YRS AGO
    OL018           LEFT EMPLOYER- AT AGE
    OL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    OL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
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Appendix A, Version P

Section A: Demographics

ID Adjustments

In 2012, based on information from HRS, HHID=202173 in all household level modules should be HHID=202073 and NPN_FIN=010. HHIDPN=202147020 was dropped and the following ID changes were made:
HHIDPN=59855021 changed to 59855010
HHIDPN=95650041 changed to 95650010
HHIDPN=502432021 changed to 502432010
HHIDPN=520845011 changed to 520845020

In 2010, based on information from HRS, HHIDPN= 526934010 changed to 525520020 and HHIDPN= 529766010 changed to 520845020. The following cases were dropped: HHIDPN=920337010, 920337020, 902054010 and 532056010.

One case was married to an HRS-AHEAD overlap case in 1992 but not identified as an overlap on the Tracker file. We set this case to as overlap with RAOHRSID of 20582020 and HHIDPN of 204940020. The only wave to which this case responds is Wave 1. All HRS-AHEAD overlap cases are identified by their AHEAD HHIDPNs on the RAND HRS file.

The AHEAD-AHEAD overlap cases are 205906010 who becomes 205864011 in 1998, and 205399010 who becomes 208545010 in 2000. On the RAND HRS these cases are identified as 205864011 and 208545010, with RAOVRAYR set to 1995 and 1998, respectively. RAOAHDID holds their original 1993 HHIDPNs.

In 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID.

Based on data alerts from HRS, we have made several changes to cases in 2000 and 2002. In 2002, HHIDPNs 22965040 and 22965041 are deleted. This was the only wave where 22965041 responded so this case has been deleted from the RAND HRS. In the other case, 22956040 responds to other waves so is still included in the RAND HRS but has INW6=0. In 2000, HHIDPN 211430021 is deleted and 211430020 is set to not partnered. Also in 2000, HHIDPN 75573041 is changed to 75573010 as is S5HHIDPN for 75573040.

In Wave 3H, there are a few households that appear to be reunited based on answers to questions in the CoverSheet section. They are reunited in Wave 4, but have different sub-household IDs in Wave 3. We reunite them in Wave 3. These households are: 17520 (PNs 010 and 040), 22999 (PNs 010 and 020), 40609 (PNs 010 and 020), 40441 (PNs 010 and 020), 50945 (PNs 010 and 040). These cases will have different sub-household IDs in H3HHID from the ESUBHH found in the Tracker and core 1996 files. The spouse PNs will also differ.

In 1994, one household, 15730 is split in the core data, but together in Tracker file. In this household, 15730.020 was interviewed, then died before the widow (15730.030) was interviewed. We treat these two cases as being in separate households, as they are in the core data.

In some other households, the Tracker file shows a non-responding spouse, but the core data indicates that the couple being split. We treat these couples as split. In most households, this involves a change for the non-responding spouse so that the sub-household ID on this file differs from that on the Tracker file but still matches that on the core data. For two households, 10646 and 65564, FSUBHH in H4HHID also differs from that on the core 1998 data for the responding ex-spouse. For these two households, and for 23476 and 84287, the spouse PN also differs from that in the Tracker, but the FPN_SP for these cases is blank in the 1998 core data.

In some cases the Tracker file assigns a spouse PN for a deceased spouse. In other cases the spouse PN is missing on the Tracker file but available in the core data. We set spouse PN to missing if it refers to a deceased spouse, and we fill missing spouse PNs from core data if they are missing on the Tracker file.

Section B: Income and Wealth Imputations

Additions & Corrections to Imputations for Previous Years

In Wave 3A, there was one case where we inadvertently calculated an unreasonably large value when converting monthly annuity income to a yearly amount.

In Wave 7, there were some cases with what appeared to be erroneous outlier values for some types of income:

one case with an unreasonably large value reported for welfare income

one case with an unreasonably large value for monthly annuity income

HRS has apparently corrected these values in the final release of the data.

In Wave 7, there were five individuals who were not married or partnered, yet reported that their spouses received social security income. HRS has confirmed that the income found in spouse fields should be added to what the Respondents reported receiving.

In Wave 7, there were two individuals whose data changed in specific ways between the early and final releases of the dataset:

one case in the final release reported receiving only one pension, was missing the amount information, but then responded to the questions concerning additional pensions.

one case in the final release had the amount of income from self-employment split between the Respondent and spouse, when the entire amount was originally designated to the spouse.

For the first case, HRS proposed a correction that involved changing the number of pensions received, moving the second pension amount to the first pension, and allocating a portion of the income reported for other pensions to the second pension. For the second case, HRS suggested that the question asking who received self-employment income should be set to "both."

In the most recent release of the Tracker file (Version #2) there were two people whose birth dates were changed:

one case changed from 1941 to 1921

one case changed from 1937 to 1927

This affects the type of social security they are assigned, that is - retirement or disability. We assigned them to have disability income in Waves 2H (one case), Waves 3H and 4 (both cases), and Wave 5 (one case).

Section C: Employment History

Some adjustments are made to specific cases that seemed to have unreasonable wage data. They are listed below.

/* One case in Wave 1 apparently reports an annual income as a biweekly rate */

```
if hhidpn=72106010 then V2736=6 ;
```

/* One case in W2H reports making 9994 hourly in w2 this looks like a missing value, doesn't fit with income, other waves, Make it missing */

```
if HHIDPN=64609040 and W3637=9994 then W3637=99994 ;
```

/* One case in Wave 2H apparently reports their annual income as an hourly rate */

```
if hhidpn=76493010 then do ;
   w3631=1 ;      /* make howpd salaried */
   w3632=w3637 ;  /* set to hourly rate reported */
   w3633=6 ;      /* set period to yearly */
end ;
```

/* Two cases in Wave 2H apparently reports their annual income as an hourly rate */

```
if hhidpn=13631020 and W3633=2 then W3633=6;
if hhidpn=49393010 and W3633=2 then W3633=6;
```

/* Two case in Wave 3H apparently reported their annual income in the hourly variable. */

```
if hhidpn=61179011 then e3140=6 ;
if hhidpn=65169010 then do ;
   e2772=1 ;      /* make howpd salaried */
   e2774=e2781 ;  /* set to hourly rate reported */
   e2775=6 ;      /* set period to yearly */
end ;
```

/* One case in Wave 3H reports monthly rate that, when compared to amount earned LCY, seems to be 100x the actual */

```
if hhidpn=18048010 then E2774=E2774/100 ;
```

/* One case in Wave 3A has an unusual and high hourly rate. No earnings information is available; We set wages to missing */

```
if HHIDPN=203514010 then D2870=. ;
```

/* One case in Wave 7 apparently reports their annual income as monthly */

```
if hhidpn=200661020 and KJ192=4 then KJ192=6;
```

/* Two case in Wave 7 has a typo in their hourly rate. Forgot the decimal place for dollars and cents */

```
if hhidpn=51554030 and KJ216=1300 then KJ216=13;
if hhidpn=502205010 and KJ206=539292 then KJ206=53929.2;
```

/* Two cases in Wave 7 apparently reported their annual income in the hourly variable. */

```
if hhidpn in (123505010 124383010) then JJ216 = JJ216/JJ172/JJ179 ;
```

/* Four cases in Wave 7 reported seemingly annual income in JJ206 */

```
if hhidpn in (45438010 137183010 179842020 501770020) then JJ210=6 ;
```

/* One case in Wave 7 reports receiving $100,000 a week from SE */

```
if hhidpn=501311020 then do;
jj188=.m ;
jj192=.m ;
end;
```

/* One case in Wave 7 reports receiving 36 million in overtime per month */

```
if hhidpn = 501770020 then do ;
jj225 = .m ;
jj226 = .m ;
end;
```

/* One case in Wave 8 apparently reports their annual income as bi-monthly */

```
if hhidpn=12967010 and KJ210=5 then KJ210=6;
```

/* One case in Wave 9 apparently reports their annual income as monthly */

```
if hhidpn=501707020 and LJ210=4 then LJ210=6;
```

/* One case in Wave 10 apparently reports their annual income as hourly */

```
if hhidpn=903516010 and MJ216=55000 then MJ216=26.45;
```