

RAND

***RAND HRS Data Documentation,
Version L***

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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 Center for the Study of Aging web site is <http://www.rand.org/labor/aging>. The NIA-sponsored Fat Files may be downloaded from the HRS web site <http://hrsonline.isr.umich.edu>. For more information, please visit our web site <http://www.rand.org/labor/aging/dataproduct>. The initial SSA-sponsored longitudinal file is not publicly available. The RAND HRS data file may be downloaded from the HRS website (<http://hrsonline.isr.umich.edu/data/index.html>) under “RAND Contributions.”

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 continued to provide valuable input with their suggestions for additional variables, including measures regarding pensions, poverty, and retirement. We thank Kanika Kapur, Jeannette

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

Version L incorporates the Early Release for 2010 and the most recent versions of the cross wave Tracker and Region and Mobility files. It also adds new variables and makes adjustments and corrections. The current versions of the core and cross wave data used in Version L are:

- 1992 Final V1.01
- 1993 Final V2.1
- 1994 Final V1.0¹
- 1995 Final V2.0
- 1996 Final V4.0
- 1998 Final V2.3
- 2000 Final V1.0²
- 2002 Final V2.0
- 2004 Final V1.0 (October 2006)
- 2006 Final V2.0 (September 2010)
- 2008 Final V1.0 (November 2010)
- 2010 Early Release V1.0 (July 2011)
- Tracker 2010 V1.0 (September 2011)
- Cross-Wave Region and Mobility File V3.0 (June 2010)
- Master ID File V5 (December 2009)
- Cross-Wave Imputation of Cognitive Functioning Measures 1992-2008 V2.0 (November 2011)

We have added the following to the file:

- **New Memory Questions : Alzemiars(RwALZHE) and Dementia (RwDEMEN):** Starting in 2010 (Wave 10) HRS replaced the memory question with two new questions relating to Alzemiars and Dementia. The first question asks 'Has a doctor ever told you that you have Alzheimer's Disease?' and the second asks 'Has a doctor ever told you that you have dementia, senility or any other serious memory impairment?'
From Wave 10 we will no longer create the Memory-related variables (RwMEMRY, RwMEMRYQ, RwMEMRYE). Instead we create two new variables : **R10DEMEN and R10ALZHE**

¹ Beginning in Version F, we drop respondents from the 1994 HRS publicly distributed files who are flagged as deceased on the Tracker file. 175 of these 176 dropped cases were actually exit interviews rather than core interviews. The exit interviews were flagged with INW2=2 in prior versions.

² We have deleted one case from the 2000 V1.0 file, who was later discovered to be a roommate rather than a partner, according to HRS (January 28, 2005 Data Alert). This case was included in the early release of 2002 but dropped in the final release. We have also changed the HHIDPN for one case from 75573041 to 75573010 according to HRS (November 21, 2005 Data Alert), and adjusted the appropriate spouse ID.

We have implemented the following updates, improvements, and corrections to the data and documentation:

- In Tracker 2010 file, HRS updated the following weights, partly due to a change in the CPS weights and partly due to a calculation error.

1995: Household weight (DWGTHH) and respondent weight (DWGTR)

2004: Household weight (JWGTHH) and respondent weight (JWGTR)

2006: Household weight (KWGTHH) and respondent weight (KWGTR)

2008: Household weight (LWGTHH) and respondent weight (LWGTR)

According to analyses by HRS staff, 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 Tracker 2010 file.

- **Housing Variables (H9AHOUS,H9FHOUS):** Our program code mishandled one case where R owned an apartment but did not answer any of the value questions. In the previous RAND HRS version K this case was assigned the variable values H9AHOUS=. and H9FHOUS='2.Complete Bracket'. We corrected this so that H9AHOUS has an imputed value of \$54,000 and H9FHOUS indicates '5.No value/bracket' in RAND HRS version L.
- **Job Tenure Variables:** In the process of creating job tenure variables, we revised our codes not to back-fill the years of job tenure for the previous wave if the answer to the relevant question was missing in the previous wave.
- **Annuity Income Received Last Year:** HRS 2010 added questions related to annuity income received last year. Among respondents receiving income from an annuity, if they reported receiving no income in the last month then they were asked if they had received any income last year. Those who responded in the affirmative were asked for the total amount received in the last year.

For completeness we list corrections made to the prior RANDHRS Version K dataset, which we posted in April 2010. For six variables (and their spouse equivalents) RANDHRS Version K initially did not take into account relevant information from HRS 2008 in the derivation. The correction resulted in changes for a fairly small number of cases. More specifically the corrections affected the following variables:

- **Smoking variables (R9SMOKEV, S9SMOKEV):** The problem affects 72 cases for the respondent variables, and 63 cases for the spouse variables. These cases were incorrectly reported as never having smoked, when in fact, they had smoked previously.
- **Current Marital Status: Without Partnership (R9MSTATH, S9MSTATH):** This problem affected 20 cases for the respondent variables, and 37 cases for the spouse variables.
- **Length of current marriage (R9MCURLN, S9MCURLN):** This problem affected 20 cases for the respondent variables, and 17 cases for the spouse variables. Most cases are now unmarried and so their marriage length is set to our special unmarried missing value, .U.
- **Length of longest marriage (R9MLEN, S9MLEN):** This problem affected 16 cases for the respondent variables, and 13 cases for the spouse variables. Most marriage lengths have been reduced by about 2 years.
- **Number of times divorced (R9MDIV, S9MDIV):** This problem affected 11 cases for the respondent variables, and 9 cases for the spouse variables. Most cases have been increased by 1.
- **Number of times widowed (R9MWID, S9MWID):** This problem affected 2 cases for the respondent variables, and 1 case for the spouse variables. Most cases have been increased by 1.
- **Miscellaneous:** We updated the 2010 core data for HHIDPN=033889020; MSUBHH should be 7 and not 1 as recommended by HRS. Also this same case (HHIDPN=033889020) was not the financial respondent or the family respondent in 2010. The MFINR and MFAMR were coded to 5 as they were missing in the Tracker file.

We have revised Appendix A in this document, which lists details of special cases and effects of changes and corrections.

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).

In the future we plan to implement the following changes and additions:

- **Improvements to Income and Wealth Imputations:** *The improvements to the income and wealth imputations as first applied to HRS 2006 have also been applied to HRS 2008 and HRS 2010. They have not yet been applied to earlier waves.* We examined trends over time to assess the compatibility with imputations in earlier waves, and found that the trends (e.g., increases or decreases in income and wealth components) made sense. However, we plan to implement these and other improvements to prior waves in coming releases. Future releases of RAND HRS will also incorporate respondent reports from HRS section U in the wealth data.
- **SSI/DI variables:** In future releases we plan to drop the old set of SSI/DI variables that has been superseded by the SSI/DI episode variables. All the information captured in the old set of SSI/DI variables is also recorded in the new set of SSI/DI episode variables pertaining to episode 1. The variables we will drop in future releases are:
 - RADIEVER/SwDIEVER : Ever applied for SSI or SS Disability (SSDI)
 - RADIAPM/SwDIAPM : Month and year applied for SSI or SSDI benefits
 - RADIREAP/SwDIREAP : Appealed or re-applied for SSI or SSDI benefits
 - RADIREM/SwDIREM : Month and year appealed or re-applied for SSI/SSDI benefits
 - RADIGET/SwDIGET : Receives approval for SSI or SSDI
 - RADIGETM/SwDIGETM : Month and year started receiving SSI or SSDI benefits
 - RADISABF/SwDISABF : Matching SSDI in Disability and Income Sections
 - RADITYPE/SwDITYPE : Type of disability benefit (SSI or SSDI)
 - where w=1 to 10
- **Total Medical Expenditure Brackets:** In Version F we added the reported total medical expenditure brackets as categorical variables for Waves 3 to 6 (RwTOTMB), and a version of this variable that imputes complete brackets when needed (RwTOTMBI). The question about total medical expenditures is not asked from wave 7 and forward. The continuous total medical expenditures are imputed in this version of the RAND HRS up to Wave 6, but *we plan to drop these imputations* in future releases due to concerns about the quality of the imputations based on limited information. We will continue to impute out-of-pocket expenses.

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) 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 Bommer (MBB) cohort, born 1954-1959. This cohort was first interviewed in 2010, but HRS has not yet released their data.

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 L, contains all five cohorts up to the Early Baby Boomer (EBB) cohort. HRS has not yet released the 2010 data for the new cohort of the Mid Baby Boomers (MBB) that was first interviewed in 2010. Therefore we could not include any data for the MBB cohort in RAND HRS version L. 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 2011, twelve waves of data are available for study. The data described in this document are based on final data releases for 1992, 1993, 1994, 1995, 1996, 1998, 2000, 2002, 2004, 2006, 2008 and on the early data release for 2010.

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 processes 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 data set.

1.2. Data Files Structure

The RAND HRS Data is distributed as a single file which includes ten waves of the HRS. The data contain respondents from the HRS, AHEAD, CODA, WB, and EBB 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.

Wave	Entry Cohort				
	HRS HACOHORT=3	AHEAD HACOHORT=0,1	CODA HACOHORT=2	WB HACOHORT=4	EBB HACOHORT=5
1	1992	1992 (HRS/AHEAD overlaps only)	Not available		
2	1994 (Wave 2H)	1993 (Wave 2A)	Not available		
3	1996 (Wave 3H)	1995 (Wave 3A)	Not available		
4	1998	1998	1998	1998	Not available
5	2000	2000	2000	2000	
6	2002	2002	2002	2002	
7	2004	2004	2004	2004	2004
8	2006	2006	2006	2006	2006
9	2008	2008	2008	2008	2008
10	2010	2010	2010	2010	2010

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 $HHIDPN = 1000*HHID+PN$.³ 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 ten waves. To use the file that includes all variables from the ten waves with Stata, one must have Stata Special Edition (SE). Intercooled Stata can read the Stata SE files if the list of variables to keep is limited to at most 2048.

For example:

```
use hhidpn r1nhmliv r2nhmliv using "rndhrs_1.dta"
```

would select the respondent ID and 2 variables from the Stata SE File.

Please see “Distribution and Technical Notes” for more information on using these files.

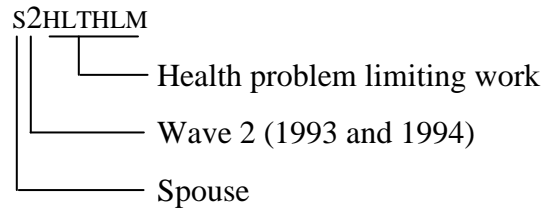
1.3. Variable Naming Conventions

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”).⁴ The second character indicates the wave to which the variable pertains: “1”, “2”, “3”, “4”, “5”, “6”, “7”, “8”, “9”, “10” or “A”. The “A” indicates “all,” i.e., the variable is not specific to any single wave. An example is

³ This HHIDPN variable is numeric. Also available is RAHHIDPN (RAHHIDPN: HHold ID + Person Num /9-Char), its 9-character string equivalent.

⁴ 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.

RABDATE, the birth date of the respondent. The remaining characters describe the concept that the variable captures. For example:



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 AND S10HLTHLM.

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 OR w10). 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 depend on variable)

.Q	Data not available because of HRS and AHEAD survey instrument differences in Wave 2 or 3
.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

The coding scheme varies across variables. 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 8 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 RWMLLEN (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 contains 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 1⁵. 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

⁵ 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.

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 the three tasks bathing, eating, and dressing. RWADLA includes the 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.

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 Waves 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 than 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 website⁶, and we have included them in the RAND HRS. The selected cognitive functioning measures include immediate and delayed word recall, the serial 7's 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 Wave 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.⁷ 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.

⁶ Please refer to Documentation of Cognitive Functioning Measures in the Health and Retirement Study. (Wallace et.al., 2005) and HRS Imputation of Cognitive Functioning Measures: 1992 - 2006 Data Description (Fisher et.al., 2009) for details on the imputation method.

⁷ 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, 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 2008 and 2010. The 2008 Life Tables are not yet available; for these years the 2006 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. In Wave 1 (1992), respondents were asked about hospital stays, nursing home stays, doctor visits, and home health care in the twelve months prior to the interview. For each service, the respondent was also asked to quantify their use (e.g., nights in hospital, number of doctor visits). There were no questions about the costs of those services. In Wave 2H (1994), the respondents were asked about the same types of services, plus prescription drug use, for the two years

between survey waves. In addition, they were asked whether the care was covered fully or partly by insurance and to estimate the out-of-pocket expenditures for all services combined. If the respondent did not provide an exact amount, unfolding bracket questions were asked. Wave 3H expanded this section substantially with three additional service categories: outpatient surgery, dental care, and special facility services. As in Wave 2H, it also asked whether the costs of these services were fully or partly covered by insurance. Wave 3H then asked respondents to estimate out-of-pocket expenditures for four groups of services: hospital/nursing, doctor/outpatient/dental, prescription drugs, and home health care/special facilities. Finally, it asked for an estimate of total medical costs (out-of-pocket plus covered expenditures) for all medical services combined since the previous interview. If the respondent did not provide an exact amount to any expenditure question, the usual unfolding bracket follow-up questions were asked. Waves 4 and 5 follow the Wave 3H structure for the out of pocket (OOP) expenditures. From Wave 6 forward, the questions ask about each type of OOP expenditure separately, so the services are: hospital, nursing home, doctor visits, dental care, outpatient surgery, prescription drugs, home health care, and special facilities. In Wave 8, information about Medicare Part D is collected. Two questions ask those covered by Part D if their use or costs of prescription drugs changed. If the answer to either of these questions is yes, then two average monthly out of pocket amounts are collected, one for the 12 months prior to coverage under Part D and the other for the time after. If the respondent is not enrolled in Part D or did not report any change the usual single question about monthly out of pocket expenses is asked.

From Wave 4 to Wave 6, an exact amount of total expenditures is not asked; all respondents were directed into unfolding bracket questions. Starting Wave 7, there are no questions about total medical expenditures.

For the AHEAD entry cohort the questions in Wave 2A (1993) differed substantially from those asked in Wave 2H (HRS entry cohort in 1994), but the Wave 3A (1995) questions mirrored those asked in Wave 3H (1996), except that an exact amount of total expenditures was not asked. Because 1993 is the baseline year for this cohort, Wave 2A respondents are asked about medical services in the twelve months prior to the interview. The questions ask about hospital stays, nursing home stays, doctor visits, and prescription drug use, as in Wave 2H, but also ask about outpatient surgery, dental care, and special facility services, so has information about the same types of services as Waves 3H, 4, and 5. However, in 1993, the Financial Respondent was asked some medical utilization and all medical expenditure questions, which differs from all other waves. In addition, each respondent was asked some utilization questions⁸. Questions asked only of the Financial Respondent yield household-level data, and those asked of all respondents yield respondent-level data⁹. The Wave 2A Financial Respondent was asked to estimate out-

⁸ In 1993, each respondent was asked questions about hospital stays and their duration, nursing home stays and their duration, doctor's visits and their number, outpatient surgery, dental care, and prescription drugs and their quantity. The Financial Respondent was asked questions about whether either in a couple had any hospital stays, nursing home stays, doctor visits, outpatient surgery, dental care, prescription drugs, home health care, and other services, but was not asked to quantify any of these.

⁹ Note that when both levels are available the Financial Respondent's household-level information may not agree with the information given by individual respondents in all cases. If there is any disagreement, the

of-pocket expenses for only two categories: nursing home stays and all other medical expenditures without specific reference to any of the reported utilization. Both of these estimates were for the household, not the individual, so for a couple household, they included the out-of-pocket expenses for two people. No questions asked about total medical expenditures.

We impute a consistent measure of out-of-pocket and total (out-of-pocket plus insurance-covered) medical expenditures across all waves using the following method. The variable names are RWOOPMD for total out-of-pocket and RWTOTMD for total expenditures. We start by imputing out-of-pocket expenditures in the service categories in Waves 3 forward. If an individual reports using a given service category and reports having partial or no insurance for that category, we take the exact expenditure he/she reports. We do not impute utilization. Approximately half of those who report using a given service did not provide an exact amount; for those cases, we impute an exact amount using bracketed responses. The imputation algorithm is the same as used for income and wealth, excluding “ownership” imputation; see Section 3.¹⁰ 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. Individuals who report not using a given service category or having full coverage are assigned a value of zero for that category. Out-of-pocket expenditures are summed across service categories to calculate total out-of-pocket expenditures. The procedure produces an imputed value for out-of-pocket for all individuals in the sample, including those with missing data. The measures capture expenditures for all medical services combined.

We use the same method to impute total medical expenditures for all medical services combined in Waves 3 to 6. In Waves 3A, and from Wave 4 to 6, all values for total medical expenditures are imputed based on the bracket information collected. We plan to drop the total medical expenditure imputation of a continuous value in future versions of the RAND HRS except for Wave 3H, and we do not impute it for Wave 7 forward. To help the transition to this future omission, we introduce variables that represent 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 normal imputation methods.

For Wave 2A, 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 for the household. If the Financial Respondent failed to provide an exact amount, bracketed responses are available for both these categories. For this wave,

respondent’s own report is used. Where necessary and possible for utilization variables, we use household level data to fill missing spouse information.

¹⁰ However, since the HRS did not ask for the exact amount of total expenditures, we cannot impute these amounts by the nearest neighbor approach. Instead, we estimate an ordered probit 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 wealth.

the out-of-pocket expense also needs to be allocated to individuals in couple households. Only one couple reported both having any nursing home stay. In this case, the household-level expense was allocated to the individuals based on the relative length of all stays. For all other households, the individual who had the nursing home stay was allocated the household level amount. The imputation process was then carried out as described above at the individual level for out-of-pocket nursing home expense. 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. If given, we take the exact expenditure reported. If an exact amount wasn't reported, we impute an exact amount using bracketed responses. The imputation algorithm is the same as used for income and wealth, excluding "ownership" imputation; see Section 3,¹¹ using the same covariates as are used for medical expenditure imputations described above. For the household level imputation, both male and female covariates are used. If no uncovered utilization is reported, zero is assigned. 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 these individuals. This individually allocated amount is then summed with out-of-pocket nursing home expense. The imputed household-level amount is included in the data as well (H2OOPMD). For some households, no uncovered expenses were reported, but some out-of-pocket medical expenses (excluding nursing home) were. These probably represent expenses for services not specifically asked about, such as durable medical equipment or over-the-counter drugs. If no uncovered expenses were reported, H2OOPMD is set to zero, even if some out-of-pocket expense was 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. Because no total medical expenditure information is collected in Wave 2A, RwtTOTMD is imputed using the same method as is used in Waves 1 and 2H. Note that we will drop these measures in future releases of the RAND HRS.

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 and total

¹¹ However, since the HRS did not ask for the exact amount of total expenditures, we cannot impute these amounts by the nearest neighbor approach. Instead, we estimate an ordered probit 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 wealth.

expenditures for all respondents in those waves. We do the same for Wave 2A total expenditures. We do this by first running regressions of (the logarithm of) total out-of-pocket and total medical expenditures on the covariates listed above using pooled Wave 3H and 4 data. We then use these estimated equations to predict medical expenditures in Waves 1 and 2. This method uses expenditure data from Waves 3H and 4 to predict amounts in Waves 1 and 2. We account for inflation by first deflating all expenditure data to constant 1992 dollars using the medical care services series of the CPI; then carrying out the imputations; and finally inflating 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.

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 and 3810 individuals in Waves 1-10, respectively. Weekly wages are

available for 7400, 6842, 5829, 7200, 6213, 4985, 6477, 5581, 5006 and 3835 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, and the increase at Wave 7 is due to the addition of the EBB 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.

We imputed wages for the unemployed (327, 245, 165, 148, 116, 134, 225, 128, 149 and 226 individuals in Waves 1-10). 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.

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) own 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. Depending on the response, additional, smaller brackets are explored so that in the end 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;” the sequence of probes into increasingly narrow ranges is known as “unfolding brackets” questions. The brackets vary by asset and income category, and the cut-off values, 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) 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, and claim of ownership without value. An incomplete bracket results if the respondent provided some information 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 refused to tell 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.

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

	Frequency	Percent
Continuous value	1,958	22.2
Complete bracket	643	7.3
Incomplete bracket	48	0.5
Owens, no value/bracket	149	1.7
No asset	5,846	66.4
Don't know ownership	78	0.9
No financial respondent	83	0.9
Total	8,805	100.0

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 unit of observation in the table is a household. The majority of respondents, 66.4 percent, report not owning any stocks (other than in retirement plans, which are not covered by this question). About one-fifth, 22.2 percent, owns stocks and provides an exact value. All other categories require imputation.

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 respondent¹². 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. We treat missing responses 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;

¹² 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. Cases missing the entire module of financial data are treated as though there is no financial respondent.

\$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.¹³ 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.

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. 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 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 but the imputation method is not consistent across all waves. The RAND HRS Data contain imputations of all asset and income types using a consistent method. Beginning with 2006, RAND provides the income and asset imputations for HRS. The RAND HRS data file contains summary measures of income and assets. A more complete and detailed file, containing individual component imputations, is available on the HRS website (<http://hrsonline.isr.umich.edu/data/index.html> under “2006 HRS Core Imputations”)¹⁴.

¹³ Recall that the Wave 1 interview was face-to-face; subsequent interviews were conducted by telephone.

¹⁴ For prior waves, files with the component imputations are available along with RAND Enhanced Fat Files (containing most raw variables in single wave files) upon request. The RAND-enhanced Fat Files

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 explanatory 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 and assign ownership if and only if the predicted probability exceeds the random number.

The estimation sample varies by asset and income type. For example, a household that reports ownership of housing wealth but not on stock holdings only enters the estimation sample for ownership of housing wealth.

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 (imputed and reported) who do not report a continuous value and do not fully complete the questionnaire bracketing sequence on asset 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 explanatory 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 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. We treated these types in the same way as types without bracket questions.

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.¹⁵ 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 of households who report an exact continuous value. The explanatory covariates are discussed below. The distribution of asset and income amounts tends to be roughly log-normal, so we would like to apply a logarithmic transformation to the outcome (asset, income) variable. However, some outcomes, such

¹⁵ A closed bracket is known cut-off values; an open-ended bracket is, for example, \$500,000 or more.

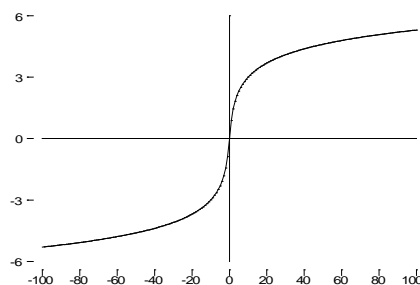
as business income, may be negative. The frequency with which this occurs is very low—too low to allow for a fully flexible model specification. Instead, we therefore apply the inverse hyperbolic sine transformation.¹⁶ Next, we computed predicted values for all cases, both with and without exact amounts. For each missing observation in closed brackets, we impute the actual value from the sample of households who report an exact amount that is closest in predicted value.

In exploratory work, we applied this 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 contains 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. First, we discard observations in the bottom 25 percent of the outcome, thus ensuring that the outcomes are all positive and that their distribution is close to log-normal. Based on this sample of nonmissing observations, we estimate a Tobit model. The explanatory covariates are discussed below. The outcome is a logarithmic transformation of the actual amount. 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. If the thus-imputed value is below the lower bound of the open-ended bracket, we re-draw from the residual distribution and repeat this until the imputed value is in the appropriate range. (This is equivalent to drawing from a truncated normal distribution.) 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.

3.2.4. Covariates

¹⁶ The inverse hyperbolic sine transformation is given by $y = \log\left(Y + \sqrt{Y^2 + 1}\right)$. 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 indistinguishably close on the north-east quadrant (up to a scale factor).

The number of model specifications in the imputations is large. There were four waves of data when these methods were developed, with well over a dozen asset and income types, and each requires three equations. We experimented extensively with model specifications. On the one hand, we would like to select explanatory covariates that fit the models 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 assets and income types where only small samples were available. In the end, we opted for the same set of explanatory covariates in all asset model specifications (ownership, bracket, and amount for all asset types) and another consistent set in income specifications. The sets are formed by principal components of approximately 30 explanatory covariates. For income imputations, the underlying explanatory covariates include (transformations of) husband and wife's employment status, education, health status, age, race, marital status, occupation class¹⁷, cognition, and bequest motive. For wealth imputations, the same set applies, but excluding employment status and including a number of income amounts 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, without sample size issues. The set of regressors varies slightly across waves, and the principal component factor loadings are computed separately for each wave. For example, Table 5 shows summary statistics and load factors of the explanatory covariates that make up the principal components of Wave 2 income imputations.

**Table 5. Load Factors on First Two Principal Components
(Wave 2 Income Imputations)**

Variable	Mean	Std. Dev.	Factor loadings on		Description
			First comp't	Second comp't	
BEQ10	61.54	42.43	0.3395	-0.0289	Probability Bequest \$10,000+
BEQ10M	0.0527	0.2234	-0.1223	0.0481	Bequest \$10,000 missing
BEQ100	31.82	40.39	0.3034	-0.0139	Probability Bequest \$100,000+
BEQ100M	0.2559	0.4364	-0.3170	0.0326	Bequest \$100,000 missing
M_COLLEG	0.1796	0.3839	0.2306	-0.0043	Male: College Graduate
F_COLLEG	0.1546	0.3616	0.1644	-0.1185	Female: College Graduate
M_HSGED	0.2549	0.4358	0.0701	0.1507	Male: HS Diploma or GED
F_HSGED	0.3516	0.4775	0.0302	0.0719	Female: HS Diploma or GED

¹⁷ Beginning in 2006 (Wave 8), HRS changed the coding of occupation from the 1980 Standard Occupational Codes (SOCs) to those for 2000. 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). Prior to 2006, the 1980 SOCs were collapsed into 17 categories, and determining who was professional was relatively straight-forward (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 SOCs, on the other hand, were collapsed into 25 categories, which were actually quite different than the 17 categories produced using the 1980 SOCs. Using available crosswalks of the 1980 and 2000 SOCs in conjunction with other information, we determined that the first 11 categories could appropriately be considered professional occupations (See KB024M in the HRS 2006 codebook for a list of these categories). Therefore, from HRS 2006 forward, we will use this classification to create the related covariates.

M_EXHLTH	0.3530	0.4779	0.2687	0.0400	Male: Excellent/Very Good Health
F_EXHLTH	0.4247	0.4943	0.2321	-0.0694	Female: Excellent/Very Good Health
M_PRHLTH	0.1747	0.3797	-0.1176	0.2205	Male: Fair/Poor Health
F_PRHLTH	0.2001	0.4001	-0.2244	0.0651	Female: Fair/Poor Health
M_PROF	0.1766	0.3813	0.2378	0.0130	Male: Professional Work
F_PROF	0.1391	0.3460	0.1504	-0.1162	Female: Professional Work
M_WORK	0.4580	0.4983	0.2363	-0.0749	Male: Currently Working
F_WORK	0.4851	0.4998	0.1352	-0.2087	Female: Currently Working
M_UNEMP	0.0202	0.1407	-0.0167	-0.0135	Male: Unemployed
F_UNEMP	0.0209	0.1431	-0.0318	-0.0391	Female: Unemployed
M_DISAB	0.0923	0.2895	-0.1219	0.1245	Male: Disabled/Temp Laid Off
F_DISAB	0.0961	0.2947	-0.1970	0.0195	Female: Disabled/Temp Laid Off
M_RETIR	0.2014	0.4011	0.0587	0.3879	Male: Retired
F_RETIR	0.0977	0.2969	0.0233	0.2001	Female: Retired
AGE	58.64	4.84	0.0027	0.4766	Age of Oldest Partner
AGESQ	3461.57	579.24	0.0025	0.4782	Squared Age of Oldest Partner
SINGLFEM	0.2308	0.4214	-0.2341	-0.2965	Single Female Financial Respondent
MARRIED	0.6722	0.4694	0.2501	0.2667	Married Couple
NONWHITE	0.2924	0.4549	-0.2181	-0.0361	Non-White Financial Respondent
MISSCOGN	0.0906	0.2871	-0.1047	0.0308	Missing Cognition Score
LOWCOGN	0.2804	0.4492	-0.1134	0.0793	Low Cognition Score

3.3. Substantive Differences Across Waves

In addition to survey-technical changes between waves, 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 (Wave 2)

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 veteran’s 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 1996 (Wave 3) and HRS 1998 (Wave 4)

Housing wealth: Starting in Wave 4, mobile homes are a separate category of measurement in the Housing Section. We impute their value separately and incorporate it into housing wealth.

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) through HRS 2008 (Wave 9)

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 were these types of income included.

Notable Differences Between HRS 2000 (Wave 5) and HRS 2002 (Wave 6) through HRS 2006 (Wave 8)

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.

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

Bracket breakpoints for debt: 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.

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 included in the 2008 Core Income and Wealth Imputations¹⁸ 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 are 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)

¹⁸ The 2010 Core Income and Wealth Imputations file can be downloaded from the HRS web site. It is also included with the RAND-enhanced Fat Files.

The questions asking about number of months receiving food stamps changed in wave 10. The questions were asked separately by year of receiving food stamps.

HRS 2010 added questions related to annuity income received last year. Among respondents receiving income from an annuity, if they reported receiving no income in the last month then they were asked if they had received any income last year. Those who responded in the affirmative were asked for the total amount received in the last year.

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/www/poverty/data/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 on <http://www.census.gov/hhes/www/poverty/methods/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 categories¹⁹. 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

¹⁹ 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.

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.

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.²⁰
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)²¹. 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 18²² 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.²³ The family category is provided on the file, as is the corresponding poverty threshold.

²⁰ 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.*

²¹ We assume the household member is non-resident if the status code is missing, and non-family if the relationship code is missing.

²² 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.

²³ We ran a version using age of FinR 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.

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 income²⁴ 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.

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, excluding institutionalized	Version including institutionalized family
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²⁴ A few hundred 2002, 2004, 2006, 2008 and 2010 interviews are actually conducted in 2003, 2005, 2007, 2009 and 2011, respectively, and thus report 2002, 2004, 2006, 2008 and 2010 income. If the FinR’s interview year is 2003, 2005, 2007, 2009 or 2011, we use the CPI to adjust income to 2001, 2003, 2005, 2007 or 2009 dollars, as appropriate, before doing the comparison.

	family members	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 ²⁵	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
- 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 and M for 2002, 2004, 2006, 2008 and 2010, 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]²⁶), 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.

²⁵ These variables reflect the CPI adjustment to 2001 (2003 for W7, 2005 for W8, 2007 for W9 or 2009 for W10) dollars if the interview was conducted in 2003 (2005, 2007, 2009 or 2011), i.e., if the income reported is for 2002 (2004, 2006, 2008 or 2010).

²⁶ “LCY_A” is last calendar year relative to the interview year.

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 households²⁷.

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 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, Veteran's 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 bounds²⁸.

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

²⁸ 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.

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 6. 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	RADAPPM1 to RADAPPM10
	Year	RADAPPY1 to RADAPPY10
	“Best-guess” SAS date	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	RADTYPE1 to RADTYPE10

	3 = DK which 4 = SSDI /SSI at different waves	
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.

Self-report of health 1				
File	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	R7SHLT	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
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

5 → Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SHLT	12652	2.584	1.205	1.000	5.000
R2SHLT	19632	2.813	1.192	1.000	5.000
R3SHLT	17984	2.790	1.176	1.000	5.000
R4SHLT	21378	2.922	1.177	1.000	5.000
R5SHLT	19571	2.837	1.156	1.000	5.000
R6SHLT	18156	2.877	1.133	1.000	5.000
R7SHLT	20112	2.883	1.142	1.000	5.000
R8SHLT	18444	2.884	1.132	1.000	5.000
R9SHLT	17203	2.937	1.109	1.000	5.000
R10SHLT	15362	2.890	1.092	1.000	5.000
S1SHLT	9900	2.513	1.173	1.000	5.000
S2SHLT	13084	2.705	1.163	1.000	5.000
S3SHLT	11911	2.689	1.149	1.000	5.000
S4SHLT	13973	2.819	1.151	1.000	5.000
S5SHLT	12726	2.732	1.129	1.000	5.000
S6SHLT	11637	2.751	1.104	1.000	5.000
S7SHLT	12962	2.767	1.119	1.000	5.000
S8SHLT	11723	2.760	1.111	1.000	5.000
S9SHLT	10640	2.825	1.080	1.000	5.000
S10SHLT	9239	2.781	1.070	1.000	5.000

6 → Categorical Variable Codes

Value-----	R1SHLT	R2SHLT	R3SHLT	R4SHLT	R5SHLT	R6SHLT	R7SHLT	R8SHLT	R9SHLT	R10SHLT
.D=DK/NA		8	3	6	7	8	13	23	11	10
.M=Oth missing			2					1		
.R=RF		2	2		1	3	4	1	3	
1. Excellent	2807	2982	2664	2633	2473	2049	2363	2032	1550	1363
2. Very good	3481	5241	5078	5467	5652	5080	5476	5261	4881	4635
3. Good	3544	5812	5262	6541	5903	5739	6280	5623	5514	4924
4. Fair	1807	3660	3325	4400	3681	3616	4135	3874	3625	3139
5. Poor	1013	1937	1655	2337	1862	1670	1858	1654	1633	1301

Value-----	S1SHLT	S2SHLT	S3SHLT	S4SHLT	S5SHLT	S6SHLT	S7SHLT	S8SHLT	S9SHLT	S10SHLT
.D=DK/NA		3	2	5	4	2	7	12	5	2
.M=Oth missing			2							
.R=RF		1					3		1	
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1. Excellent	2293	2166	1926	1871	1769	1498	1718	1502	1076	922
2. Very good	2848	3819	3618	3887	3984	3580	3857	3627	3276	3090
3. Good	2809	3844	3487	4360	3842	3700	4080	3612	3516	2953
4. Fair	1287	2225	1990	2606	2147	2037	2339	2144	1978	1629
5. Poor	663	1030	890	1249	984	822	968	838	794	645

7 → 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 that missing values for don't know, refused, and other missings are recoded to .D, .R, and .M, respectively.

RwSHLT and SwSHLT are used in 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.

8 → 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.

9 → 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
```

- 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 is 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: the data in SAS V9 format.
- Stata files: the data stored in longitudinal files are distributed in Stata SE.
- SPSS files: the data in SPSS for Windows format.

This is version *L* of the RAND HRS Data. A variable called FileVer, with the single value “L”, 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 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.

The files are available as one merged file, rndhrs_1.sas7bdat, containing all waves of data which is quite large but easiest to use. To use the file that includes all variables from the ten waves with Stata, one must have Stata Special Edition (SE). Intercooled Stata read the Stata SE files if the list of variables to keep is limited to at most 2048.

For example:

```
use hhidpn r1nhmliv r2nhmliv using "rndhrs_1.dta"
```

would select the respondent ID and 2 variables from the Stata SE File.

We provide the data in SPSS for Windows format as well, which can be read using the GET FILE command²⁹. If you need any files in a different format, please contact us.

RAND HRS Data Distribution Files

Distribution file name	Included files	Description
The complete package		
randLsas.zip	randhrsL.pdf	Codebook
	rndpgmL.zip	Programs
	rndhrs_1.sas7bdat	SAS data: all waves merged
	formats.sas7bcat	SAS format library for SAS users
	sasfmts.sas7bdat	SAS formats for SPSS users
	rnd_Ldd.pdf	Data description
randLstataSE.zip	randhrsL.pdf	Codebook
	rndpgmL.zip	Programs
	rndhrs_1.dta	Stata SE data: all waves merged
	rnd_Ldd.pdf	Data description
randLspss.zip	randhrsL.pdf	Codebook
	rndpgmL.zip	Programs
	rndhrs_1.sav	SPSS data: all waves merged
	rnd_Ldd.pdf	Data description
Documentation only		
rnddocL.zip	randhrsL.pdf	Codebook
rndpgmL.zip	all programs	Programs

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 rndpgmk.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

²⁹ SPSS users may also read RAND HRS Data from SAS files with the SPSS GET SAS. The SAS format file that provides value labels is provided as a SAS data set (sasfmts.sas7bdat). The syntax of the command is: GET SAS DATA='name of sas data file' /FORMATS='name of sas formats file'. For example: GET SAS DATA='rndhrs_1' /FORMATS='sasfmts'. Please see your SPSS documentation for more information.

- 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
- MrgL: 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) are available on HRS website <http://hrsonline.isr.umich.edu/>.

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
R1MDIV R2MDIV R3MDIV R4MDIV R5MDIV R6MDIV R7MDIV R8MDIV R9MDIV R10MDIV
R1MWID R2MWID R3MWID R4MWID R5MWID R6MWID R7MWID R8MWID R9MWID R10MWID
R1MEND R2MEND R3MEND R4MEND R5MEND R6MEND R7MEND R8MEND R9MEND R10MEND
```

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 eight.

The `addsp` macro will add spouse versions of variables to your data. It can be found in the `Mac\addsp2.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`, `S9MYVAR` and `S10MYVARB` 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_k (keep=HHIDPN ...);
    [...]
```

7.3. The SAS Format Library

Many of the derived variables on this file have been assigned SAS formats, or value labels. The formats can be found in text format in one of the `Fmt*.fmt` files and are all included on the SAS format library (`formats.sas7bcat`, as a SAS data set in `sasfmts.sas7bdat`). 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.

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`³⁰ file is stored. You can either put this statement in your SAS programs, e.g.:

³⁰ Note that the SAS Version 9 format library, `formats.sas7bcat`, was made under Windows on a PC. Other operating systems, such as Unix, will read the data files, but not the format library. You can create a

```
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 2010. 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_1 (keep=HHIDPN [list of other variables])
```

formats library under your version of SAS by using PROC FORMAT with the CNTLIN= parameter, using sasfmts.sas7bdat as the input control SAS dataset, e.g.:

```
PROC FORMAT CNTLIN=library.sasfmts LIBRARY=library;
```

```
hrs.hd92f1c (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.ad95f2a (keep=HHIDPN [list of raw core variables])
hrs.h96f4a (keep=HHIDPN [list of raw core variables])
hrs.hd98f2b (keep=HHIDPN [list of raw core variables])
hrs.h00f1c (keep=HHIDPN [list of raw core variables])
hrs.h02f2a (keep=HHIDPN [list of raw core variables])
hrs.h04f1a (keep=HHIDPN [list of raw core variables])
hrs.h06f2a (keep=HHIDPN [list of raw core variables])
hrs.h08f1b (keep=HHIDPN [list of raw core variables])
hrs.h10e1a (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/dataproducts/helphrs.html>.

8. Data Codebook

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Section A: Demographics, Identifiers, and Weights

Person Specific Identifier

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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
HHIDPN	30671	164839200.11	141312402.37	1010.0	502761010.0

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).

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

HRS 1992:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

AHEAD 1993:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 1994:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

AHEAD 1995:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 1996:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 1998:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 2000:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 2002:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 2004:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 2006:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 2008:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

HRS 2010:
HHID HOUSEHOLD IDENTIFIER
PN PERSON NUMBER

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

Household Identifier

Wave	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
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

Descriptive Statistics

Variable	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	15372	1730041.57	1681643.40	30.0	5027610.0

How Constructed:

The HwHHID identifiers combine HHID with 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).

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 R 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 CoverSheet 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 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 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

HRS 1992:	
HHID	HOUSEHOLD IDENTIFIER
AHEAD 1993:	
BSUBHH	1993 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER
HRS 1994:	
W2SUBHH	HRS Wave 2 Sub-household ID
HHID	HOUSEHOLD IDENTIFIER
AHEAD 1995:	
DSUBHH	1995 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER
HRS 1996:	
ESUBHH	1996 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER
HRS 1998:	
FSUBHH	1998 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER
HRS 2000:	
GSUBHH	2000 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER
HRS 2002:	
HHID	HOUSEHOLD IDENTIFIER
HSUBHH	2002 SUB-HOUSEHOLD IDENTIFIER
HRS 2004:	
HHID	HOUSEHOLD IDENTIFIER
JSUBHH	2004 SUB-HOUSEHOLD IDENTIFIER
HRS 2006:	
HHID	HOUSEHOLD IDENTIFIER
KSUBHH	2006 SUB-HOUSEHOLD IDENTIFIER
HRS 2008:	
HHID	HOUSEHOLD IDENTIFIER
LSUBHH	2008 SUB-HOUSEHOLD IDENTIFIER

HRS 2010:
HHID HOUSEHOLD IDENTIFIER
MSUBHH 2010 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
OVHHID OVERLAP CASE: OLD HHID
OVPN OVERLAP CASE: OLD PN
PN PERSON NUMBER

Spouse Identifier

Wave	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
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	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	17926	64704954.33	75512966.79	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	114263253.87	160029968.42	0.0	502759020.0
S8HHIDPN	18468	111704936.99	159934303.82	0.0	502759020.0
S9HHIDPN	17216	110966257.43	162224673.15	0.0	502759020.0
S10HHIDPN	15372	111067794.20	164782423.02	0.0	502759020.0
RASPCT	30671	0.78	0.48	0.0	4.0
RASPID1	23001	156555524.66	145893485.15	3010.0	502759020.0
RASPID2	815	111646432.60	119574240.12	10299012.0	502746021.0
RASPID3	43	76374047.37	85626321.57	15911022.0	500296022.0
RASPID4	3	45597359.67	24728611.21	17641013.0	64609043.0

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).

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

AHEAD 1993:

BSPN SPOUSE/PARTNER PERSON NUMBER
HHID HOUSEHOLD IDENTIFIER

HRS 2002:

HPN_SP 2002 SPOUSE/PARTNER PERSON NUMBER
HHID HOUSEHOLD IDENTIFIER

HRS 2004:

JPN_SP 2004 SPOUSE/PARTNER PERSON NUMBER
HHID HOUSEHOLD IDENTIFIER

HRS 2006:

KPN_SP 2006 SPOUSE/PARTNER PERSON NUMBER
HHID HOUSEHOLD IDENTIFIER

HRS 2008:

LPN_SP 2008 SPOUSE/PARTNER PERSON NUMBER
HHID HOUSEHOLD IDENTIFIER

HRS 2010:

MPN_SP 2010 SPOUSE/PARTNER PERSON NUMBER
HHID HOUSEHOLD IDENTIFIER

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

Overlap Identifier for cases that moved from HRS to AHEAD
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Wave	Variable	Label	Type
1	RAOVLAP	RAOVLAP: Overlap/AltID case	Categ
1	RAOVRAYR	RAOVRAYR:Ahd-Ahd overlap-alt id end yr	Cont
1	HAOAHDDH	HAOAHDDH: Overlap/AltID case-Ahead core HHID/Num	Cont
1	RAOAHDDID	RAOAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
1	S1OAHDDID	S1OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
2	S2OAHDDID	S2OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
3	S3OAHDDID	S3OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
4	S4OAHDDID	S4OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
5	S5OAHDDID	S5OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
6	S6OAHDDID	S6OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
7	S7OAHDDID	S7OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
8	S8OAHDDID	S8OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
9	S9OAHDDID	S9OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
10	S10OAHDDID	S10OAHDDID: 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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAOVLAP	30671	0.00	0.06	0.0	2.0
RAOVRAYR	30671	0.13	16.12	0.0	1998.0
HAOAHDDH	30671	747.37	12346.29	0.0	208867.0
RAOAHDDID	30671	747370.50	12346293.20	0.0	208867020.0
S1OAHDDID	10279	2170520.05	20968403.46	0.0	208867020.0
S2OAHDDID	13608	1593881.14	17990880.05	0.0	208867020.0
S3OAHDDID	12269	1434741.97	17078562.49	0.0	208867020.0
S4OAHDDID	14453	1103979.05	14988650.82	0.0	208867020.0
S5OAHDDID	13007	1084597.76	14853225.53	0.0	208289020.0
S6OAHDDID	11822	865667.89	13284425.71	0.0	208867020.0
S7OAHDDID	13307	600720.19	11081327.60	0.0	208867020.0
S8OAHDDID	12000	545960.37	10559501.44	0.0	207784020.0
S9OAHDDID	10953	431146.38	9399931.70	0.0	208867020.0
S10OAHDDID	9595	297755.10	7790450.56	0.0	208867020.0

H1OHRSHH	30671	1588.85	29921.44	0.0	870320.0
RAOHRSID	30671	158884.96	2992145.07	0.0	87032030.0
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	12000	102672.98	2279046.22	0.0	87032030.0
S9OHRSID	10953	88615.77	2139235.68	0.0	87032030.0
S10OHRSID	9595	65930.52	1857285.42	0.0	87032030.0

Categorical Variable Codes

Value-----	RAOVLAP
0.Not overlap case	30559
1.Hrs-Ahd overlap	110
2.Ahd-Ahd overlap	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 RAOVLAP (=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 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 RAOVLAP as well (=2).

RAOAHDID is the AHEAD HHIDPN for the HRS-AHEAD overlap respondents, and the original AHEAD ID for AHEAD-AHEAD overlap respondents. HAOAHDH 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 HHID and PN found in the core data for interviews after RAOVRAYR.

RAOHRSID is the HRS HHIDPN for the HRS-AHEAD overlap respondents. RAOHRSID is the HHIDPN that identifies R in the HRS Wave 1 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 R 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	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
INW1	30671	0.41	0.49	0.0	1.0
INW2	30671	0.64	0.48	0.0	1.0
INW3	30671	0.59	0.49	0.0	1.0
INW4	30671	0.70	0.46	0.0	1.0
INW5	30671	0.64	0.48	0.0	1.0
INW6	30671	0.59	0.49	0.0	1.0
INW7	30671	0.66	0.47	0.0	1.0
INW8	30671	0.60	0.49	0.0	1.0
INW9	30671	0.56	0.50	0.0	1.0
INW10	30671	0.50	0.50	0.0	1.0

Categorical Variable Codes

Value-----	INW1	INW2	INW3	INW4	INW5	INW6	INW7	INW8	INW9	INW10
0.NonResp	18019	11029	12680	9287	11092	12506	10542	12202	13454	15299
1.Resp,alive	12652	19642	17991	21384	19579	18165	20129	18469	17217	15372

How Constructed:

These indicate whether an individual responded to a particular wave.

In previous version 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 version 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.

HRS Variables Used

HRS 1994:
W117 ICS5a. Reason for Proxy

Wave Status: Interview Status

Wave	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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IWSTAT	30671	0.44	0.59	0.0	4.0
R2IWSTAT	30671	0.85	0.90	0.0	7.0
R3IWSTAT	30671	1.08	1.29	0.0	7.0
R4IWSTAT	30671	1.51	1.60	0.0	7.0
R5IWSTAT	30671	1.82	1.91	0.0	7.0
R6IWSTAT	30671	2.10	2.13	0.0	7.0
R7IWSTAT	30671	2.48	2.20	0.0	7.0
R8IWSTAT	30671	2.81	2.35	0.0	7.0
R9IWSTAT	30671	3.04	2.41	0.0	7.0
R10IWSTAT	30671	3.34	2.43	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	12000	1.07	0.52	1.0	7.0
S9IWSTAT	10953	1.10	0.58	1.0	7.0
S10IWSTAT	9595	1.13	0.67	1.0	7.0

Categorical Variable Codes

Value-----	R1IWSTAT	R2IWSTAT	R3IWSTAT	R4IWSTAT	R5IWSTAT	R6IWSTAT	R7IWSTAT	R8IWSTAT	R9IWSTAT	R10IWSTAT
0.Inap.	17775	9481	9334	4215	4070	3910	382	226	107	
1.Resp. alive	12652	19642	17991	21384	19579	18165	20129	18469	17217	15372
4.NR, alive	244	1299	2001	2168	2481	2244	2307	2171	2132	2446
5.NR, died this wv		226	1088	1346	1439	1572	1297	1384	1279	1546
6.NR, died prev wv			225	1312	2657	4096	5641	6925	8305	9577
7.NR, dropped from samp		23	32	246	445	684	915	1496	1631	1730

Value-----	S1IWSTAT	S2IWSTAT	S3IWSTAT	S4IWSTAT	S5IWSTAT	S6IWSTAT	S7IWSTAT	S8IWSTAT	S9IWSTAT	S10IWSTAT
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	62	34	37	45	52	58	77
0.Inap.		17								
1.Resp, alive	9900	13088	11915	13978	12730	11639	12972	11735	10646	9241
4.NR, alive	379	503	354	475	277	183	322	225	258	289
5.NR, died this wv							13	9	12	21
7.NR, dropped from samp								31	37	44

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 R has not entered the sample because the cohort has not yet been interviewed or R marries into the sample at a later wave (xINSAMP=2 or 3), RwiWSTAT is set to 0. If R 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 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 or not 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; R 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 R 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

Sample Cohort

Wave	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
HACOHORT	30671	2.69	1.28	0.0	5.0
RACOHBYR	30669	2.59	1.38	0.0	5.0
S1COHBYR	10279	3.00	0.72	0.0	5.0
S2COHBYR	13583	2.42	1.07	0.0	5.0
S3COHBYR	12246	2.48	1.05	0.0	5.0
S4COHBYR	14441	2.69	1.13	0.0	5.0
S5COHBYR	13002	2.75	1.11	0.0	5.0
S6COHBYR	11814	2.82	1.09	0.0	5.0
S7COHBYR	13304	3.03	1.39	0.0	5.0
S8COHBYR	11997	3.08	1.38	0.0	5.0
S9COHBYR	10938	3.13	1.39	0.0	5.0
S10COHBYR	9560	3.18	1.40	0.0	5.0

Categorical Variable Codes

Value	HACOHORT
0.Hrs/Ahead overlap	110
1.Ahead	8334
2.Coda	2420
3.Hrs	13525
4.WarBabies	2760
5.Early BabyBoomers	3522

Value	RACOHBYR
.M=Oth missing	2
0.Not in any cohort	1176
1.Ahead	7758
2.Coda	4210
3.Hrs	10413
4.WarBabies	3488
5.Early BabyBoomers	3624

Value	S1COHBYR	S2COHBYR	S3COHBYR	S4COHBYR	S5COHBYR	S6COHBYR	S7COHBYR	S8COHBYR	S9COHBYR	S10COHBYR
.M=Oth missing										1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		89	87	74	39	45	48	55	73	111
0.Not in any cohort	119	105	114	268	265	279	929	848	843	822
1.Ahead	220	3833	3094	2389	1811	1314	976	692	483	267
2.Coda	1016	1599	1433	2701	2395	2098	1865	1594	1325	1026

3.Hrs	|	7448	6663	6293	5979	5570	5263	4970	4561	4210	3657
4.WarBabies	|	1177	1108	1058	2444	2344	2261	2175	2068	1948	1828
5.Early BabyBoomers	|	299	275	254	660	617	599	2389	2234	2129	1960

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 five 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, and Early Baby Boomers (EBB), born 1948-1953. 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.

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, that is - HRS, AHEAD, CODA, WB, and EBB - are included.

HACOHORT is assigned based on both response patterns and variables in the raw data that identify the cohort. HHIDPN could also be used, as each cohort has a unique range. HRS/AHEAD Overlap cases are identified as a separate category of their own. Please see the RAOVLAP 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, and 1948-1953 are set to the EBB cohort. If birth year is missing, then RACOHBYR is missing. If birth year is after 1953 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

Tracker:
 HHIDPN HHIDPN: identifies indiv on tracker/numeric
 OVHHID OVERLAP CASE: OLD HHID

Whether Eligible for the HRS Sample
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Wave	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
1	RAAHSMP	RAAHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
1	S1AHSMP	S1AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
2	S2AHSMP	S2AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
3	S3AHSMP	S3AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
4	S4AHSMP	S4AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
5	S5AHSMP	S5AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
6	S6AHSMP	S6AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
7	S7AHSMP	S7AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
8	S8AHSMP	S8AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
9	S9AHSMP	S9AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
10	S10AHSMP	S10AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAHRSAMP	30671	0.32	0.47	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	12000	0.35	0.48	0.0	1.0
S9HRSAMP	10953	0.35	0.48	0.0	1.0
S10HRSAMP	9595	0.35	0.48	0.0	1.0
RAAHSMP	30671	0.24	0.43	0.0	1.0
S1AHSMP	10279	0.01	0.07	0.0	1.0
S2AHSMP	13608	0.26	0.44	0.0	1.0
S3AHSMP	12269	0.24	0.43	0.0	1.0
S4AHSMP	14453	0.15	0.36	0.0	1.0
S5AHSMP	13007	0.13	0.33	0.0	1.0
S6AHSMP	11822	0.10	0.30	0.0	1.0
S7AHSMP	13307	0.06	0.25	0.0	1.0
S8AHSMP	12000	0.05	0.22	0.0	1.0
S9AHSMP	10953	0.04	0.19	0.0	1.0
S10AHSMP	9595	0.02	0.15	0.0	1.0

Categorical Variable Codes

Value-----	RAHRSAMP
0.Not in Sample	20908
1.In Samp,Hrs92 Resp b.1931	9763

Value-----	S1HRSAMP	S2HRSAMP	S3HRSAMP	S4HRSAMP	S5HRSAMP	S6HRSAMP	S7HRSAMP	S8HRSAMP	S9HRSAMP	S10HRSAMP
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	62	34	37	45	52	58	77
0.Not in Sample	3167	7229	6257	8822	7761	6903	8680	7780	7075	6227
1.In Samp,Hrs92 Resp b.1931	7112	6379	6012	5631	5246	4919	4627	4220	3878	3368

Value-----	RAAHSAMP
0.Not in Sample	23230
1.In Sample,Ahd93 Resp b.be	7441

Value-----	S1AHSAMP	S2AHSAMP	S3AHSAMP	S4AHSAMP	S5AHSAMP	S6AHSAMP	S7AHSAMP	S8AHSAMP	S9AHSAMP	S10AHSAMP
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	62	34	37	45	52	58	77
0.Not in Sample	10226	10027	9358	12240	11355	10628	12444	11402	10545	9377
1.In Sample,Ahd93 Resp b.be	53	3581	2911	2213	1652	1194	863	598	408	218

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.

RAAHSAMP 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 SwAHSAMP 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	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	N	Mean	Std Dev	Minimum	Maximum
RAWTSAMP	12652	0.76	0.26	0.3	1.0
RAESTRAT	30671	30.47	14.94	1.0	56.0
RAEHSAMP	30671	1.50	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	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

Descriptive Statistics

Variable	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	4296.38	2761.94	0.0	15384.0
R8WTHH	18469	4290.78	3006.61	0.0	17255.0
R9WTHH	17217	4335.63	3088.57	0.0	15312.0
R10WTHH	15372	4740.29	3255.79	0.0	15088.0

How Constructed:

The household weights are taken directly from the Tracker file.

In 2010 HRS updated the following weights, partly due to a change in the CPS weights and partly due to a calculation error.

1995: Household weight (DWGTHH) and respondent weight (DWGTR)

2004: Household weight (JWGTHH) and respondent weight (JWGTR)

2006: Household weight (KWGTHH) and respondent weight (KWGTR)

2008: Household weight (LWGTHH) and respondent weight (LWGTR)

A 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), xWHYORWT (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, e.g., living in a nursing home, at the time of the interview 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 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

Person-Level Analysis Weight

Wave	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
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
5	R5WTR_NH	R5WTR_NH: NursHm Resident Analysis Weight	Cont
6	R6WTR_NH	R6WTR_NH: NursHm Resident Analysis Weight	Cont
5	S5WTR_NH	S5WTR_NH: NursHm Resident Analysis Weight	Cont
6	S6WTR_NH	S6WTR_NH: NursHm Resident Analysis Weight	Cont

Descriptive Statistics

Variable	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	4056.40	2846.46	0.0	17131.0
R8WTRESP	18469	4212.62	3262.01	0.0	20098.0
R9WTRESP	17217	4283.83	3396.72	0.0	19729.0
R10WTRESP	15372	4518.67	3608.72	0.0	22354.0
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	4071.73	2859.58	0.0	17131.0
S8WTRESP	11735	4292.63	3314.79	0.0	20098.0
S9WTRESP	10646	4345.26	3419.17	0.0	19729.0
S10WTRESP	9241	4739.08	3769.02	0.0	22354.0
R5WTR_NH	19579	85.54	647.25	0.0	17730.0
R6WTR_NH	18165	91.20	656.87	0.0	21126.0

S5WTR_NH	12730	26.91	392.25	0.0	17730.0
S6WTR_NH	11639	27.74	420.40	0.0	21126.0

How Constructed:

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

In Waves 5 and 6, HRS provides weights for individuals living in a nursing home. These weights are provided in R5WTR_NH and R6WTR_NH. For those not living in a nursing home, these weights are zero.

The spouse's person-level weight is taken from the Wave 'w' spouse's variable, i.e., from the Wave 'w' spouse's RwwTRESP or RwwTR_NH.

In 2010 HRS updated the following weights, partly due to a change in the CPS weights and partly due to a calculation error.

1995: Household weight (DWGTHH) and respondent weight (DWGTR)

2004: Household weight (JWGTHH) and respondent weight (JWGTR)

2006: Household weight (KWGTHH) and respondent weight (KWGTR)

2008: Household weight (LWGTHH) and respondent weight (LWGTR)

A 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 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 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:

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
KWGTR	2006 WEIGHT: RESPONDENT LEVEL
LWGTR	2008 WEIGHT: RESPONDENT LEVEL
MWGTR	2010 WEIGHT: RESPONDENT LEVEL

Number of Household Respondents
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Wave	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

Descriptive Statistics

Variable	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	15372	1.60	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, taking 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 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

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
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

Whether Couple Household

Wave	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

Descriptive Statistics

Variable	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	15372	0.63	0.48	0.0	1.0

Categorical Variable Codes

Value-----	H1CPL	H2CPL	H3CPL	H4CPL	H5CPL	H6CPL	H7CPL	H8CPL	H9CPL	H10CPL
0.not a couple HH	2373	5970	5658	6869	6538	6306	6777	6417	6205	5700
1.couple HH	10279	13672	12333	14515	13041	11859	13352	12052	11012	9672

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 one 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 zero. As with most other RAND HRS variables, HwCPL is missing in waves where R does not respond.

Financial , Family Respondent

Wave	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
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
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
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
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
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

Descriptive Statistics

Variable	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	19578	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	15372	0.69	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	12729	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	9241	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	19578	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	15372	0.69	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	12729	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	9241	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	15372	0.99	0.09	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	15372	1.00	0.07	0.0	1.0

Categorical Variable Codes

Value-----	R1FAMR	R2FAMR	R3FAMR	R4FAMR	R5FAMR	R6FAMR	R7FAMR	R8FAMR	R9FAMR	R10FAMR
0.no	5105	6719	6026	7181	6471	5819	6615	5955	5404	4731
1.yes	7547	12923	11965	14203	13107	12346	13514	12514	11813	10641
Value-----	S1FAMR	S2FAMR	S3FAMR	S4FAMR	S5FAMR	S6FAMR	S7FAMR	S8FAMR	S9FAMR	S10FAMR
.M=Oth missing					1					
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	4950	6556	5955	7007	6364	5816	6484	5865	5320	4618
1.yes	4950	6532	5960	6971	6365	5823	6488	5870	5326	4623
Value-----	R1FINR	R2FINR	R3FINR	R4FINR	R5FINR	R6FINR	R7FINR	R8FINR	R9FINR	R10FINR
0.no	5045	6694	6036	7127	6461	5846	6544	5910	5375	4691
1.yes	7607	12948	11955	14257	13117	12319	13585	12559	11842	10681
Value-----	S1FINR	S2FINR	S3FINR	S4FINR	S5FINR	S6FINR	S7FINR	S8FINR	S9FINR	S10FINR
.M=Oth missing					1					
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	4950	6555	5957	6992	6364	5816	6484	5865	5320	4618
1.yes	4950	6533	5958	6986	6365	5823	6488	5870	5326	4623
Value-----	H1ANYFAM	H2ANYFAM	H3ANYFAM	H4ANYFAM	H5ANYFAM	H6ANYFAM	H7ANYFAM	H8ANYFAM	H9ANYFAM	H10ANYFAM
0.no	155	208	72	210	107	3	131	92	84	113
1.yes	12497	19434	17919	21174	19472	18162	19998	18377	17133	15259
Value-----	H1ANYFIN	H2ANYFIN	H3ANYFIN	H4ANYFIN	H5ANYFIN	H6ANYFIN	H7ANYFIN	H8ANYFIN	H9ANYFIN	H10ANYFIN
0.no	95	161	83	141	97	30	60	47	55	73
1.yes	12557	19481	17908	21243	19482	18135	20069	18422	17162	15299

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 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 one if the designated respondent or zero 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 zero 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 version 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

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
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

Whether Proxy Interview

Wave	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
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

Descriptive Statistics

Variable	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	15372	0.08	0.27	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	9241	0.07	0.26	0.0	1.0

Categorical Variable Codes

Value-----	R1PROXY	R2PROXY	R3PROXY	R4PROXY	R5PROXY	R6PROXY	R7PROXY	R8PROXY	R9PROXY	R10PROXY
0.not proxy	12004	18073	16351	19341	17517	16129	18327	17209	16077	14196
1.proxy	648	1569	1640	2043	2062	2036	1802	1260	1140	1176
Value-----	S1PROXY	S2PROXY	S3PROXY	S4PROXY	S5PROXY	S6PROXY	S7PROXY	S8PROXY	S9PROXY	S10PROXY
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431

0.not proxy	|	9284	11936	10804	12571	11320	10280	11769	10943	9989	8589
1.proxy	|	616	1152	1111	1407	1410	1359	1203	792	657	652

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

Interview Dates

Wave	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
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
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
1	S1IWBEGF	S1IWBEGF:W1 Interview Beg Date Flag	Categ
2	S2IWBEGF	S2IWBEGF:W2 Interview Beg Date Flag	Categ
3	S3IWBEGF	S3IWBEGF:W3 Interview Beg Date Flag	Categ
4	S4IWBEGF	S4IWBEGF:W4 Interview Beg Date Flag	Categ
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
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
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
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
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
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
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
1	R1IWMIDF	R1IWMIDF:W1 Interview Midpt Date Flag	Categ
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

1	S1IWMIDF	S1IWMIDF:W1	Interview Midpt Date Flag	Categ
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
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
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
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
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

Descriptive Statistics

Variable	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

R4IWBEGB	21384	14037.10	88.32	13894.0	14318.0
R5IWBEGB	19579	14746.61	63.93	14624.0	14959.0
R6IWBEGB	18165	15535.41	66.71	15355.0	15751.0
R7IWBEGB	20129	16249.03	76.10	16116.0	16482.0
R8IWBEGB	18469	16978.96	78.90	16875.0	17212.0
R9IWBEGB	17217	17698.54	77.42	17577.0	17943.0
R10IWBEGB	15372	18541.77	112.47	18336.0	18762.0
S1IWBEGB	9900	11939.94	83.15	11779.0	12125.0
S2IWBEGB	13088	12556.11	100.53	12341.0	12773.0
S3IWBEGB	11915	13291.68	104.78	13102.0	13560.0
S4IWBEGB	13978	14041.24	87.52	13894.0	14318.0
S5IWBEGB	12730	14745.67	62.81	14624.0	14959.0
S6IWBEGB	11639	15533.46	65.52	15355.0	15751.0
S7IWBEGB	12972	16250.66	75.81	16116.0	16482.0
S8IWBEGB	11735	16982.50	78.62	16875.0	17212.0
S9IWBEGB	10646	17698.18	76.99	17577.0	17943.0
S10IWBEGB	9241	18535.95	113.61	18336.0	18762.0
R1IWBEGBF	12652	0.00	0.01	0.0	1.0
R2IWBEGBF	19642	0.00	0.00	0.0	0.0
R3IWBEGBF	17991	1.00	0.00	1.0	1.0
R4IWBEGBF	21384	1.00	0.00	1.0	1.0
R5IWBEGBF	19579	1.00	0.00	1.0	1.0
R6IWBEGBF	18165	1.00	0.00	1.0	1.0
R7IWBEGBF	20129	1.00	0.00	1.0	1.0
R8IWBEGBF	18469	1.00	0.00	1.0	1.0
R9IWBEGBF	17217	1.00	0.00	1.0	1.0
R10IWBEGBF	15372	1.00	0.00	1.0	1.0
S1IWBEGBF	9900	0.00	0.01	0.0	1.0
S2IWBEGBF	13088	0.00	0.00	0.0	0.0
S3IWBEGBF	11915	1.00	0.00	1.0	1.0
S4IWBEGBF	13978	1.00	0.00	1.0	1.0
S5IWBEGBF	12730	1.00	0.00	1.0	1.0
S6IWBEGBF	11639	1.00	0.00	1.0	1.0
S7IWBEGBF	12972	1.00	0.00	1.0	1.0
S8IWBEGBF	11735	1.00	0.00	1.0	1.0
S9IWBEGBF	10646	1.00	0.00	1.0	1.0
S10IWBEGBF	9241	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	15372	18543.53	112.75	18336.0	18762.0
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	9241	18537.27	113.80	18336.0	18762.0

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	15372	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	9241	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	15372	18542.65	112.43	18336.0	18762.0
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	9241	18536.61	113.59	18336.0	18762.0
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	15372	0.07	0.36	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	9241	0.06	0.33	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	15372	6.79	3.82	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	9241	6.73	3.76	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	15372	2010.25	0.43	2010.0	2011.0
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	9241	2010.24	0.43	2010.0	2011.0

Categorical Variable Codes

Value-----	R1IWBEGF	R2IWBEGF	R3IWBEGF	R4IWBEGF	R5IWBEGF	R6IWBEGF	R7IWBEGF	R8IWBEGF	R9IWBEGF	R10IWBEGF
0.m/d/y ok	12651	19642								
1.day miss	1		17991	21384	19579	18165	20129	18469	17217	15372
Value-----	S1IWBEGF	S2IWBEGF	S3IWBEGF	S4IWBEGF	S5IWBEGF	S6IWBEGF	S7IWBEGF	S8IWBEGF	S9IWBEGF	S10IWBEGF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.m/d/y ok	9899	13088								
1.day miss	1		11915	13978	12730	11639	12972	11735	10646	9241
Value-----	R1IWENDF	R2IWENDF	R3IWENDF	R4IWENDF	R5IWENDF	R6IWENDF	R7IWENDF	R8IWENDF	R9IWENDF	R10IWENDF
0.m/d/y ok	12621	11420								
1.day miss	7		10964	21384	19579	18165	20129	18469	17217	15372
3.day/mon miss	1									
7.day/mon/yr miss	23	8222	7027							

Value-----	S1IWENDF	S2IWENDF	S3IWENDF	S4IWENDF	S5IWENDF	S6IWENDF	S7IWENDF	S8IWENDF	S9IWENDF	S10IWENDF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.m/d/y ok	9883	8739								
1.day miss	6		8306	13978	12730	11639	12972	11735	10646	9241
3.day/mon miss	1									
7.day/mon/yr miss	10	4349	3609							

Value-----	R1IWMIDF	R2IWMIDF	R3IWMIDF	R4IWMIDF	R5IWMIDF	R6IWMIDF	R7IWMIDF	R8IWMIDF	R9IWMIDF	R10IWMIDF
0.IVW beg dt=end dt	12033	18880	17613	20606	18956	17838	20129	18099	16850	14852
1.IVW beg mon=end mon	452	477								
2.IVW begmon NE endmon	167	285	378	778	623	327		370	367	520

Value-----	S1IWMIDF	S2IWMIDF	S3IWMIDF	S4IWMIDF	S5IWMIDF	S6IWMIDF	S7IWMIDF	S8IWMIDF	S9IWMIDF	S10IWMIDF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.IVW beg dt=end dt	9490	12603	11696	13532	12378	11478	12972	11558	10474	8985
1.IVW beg mon=end mon	305	319								
2.IVW begmon NE endmon	105	166	219	446	352	161		177	172	256

How Constructed:

These variables are derived from the beginning and ending interview date. 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 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 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. Comparison of the two months determined which is the beginning and which is the ending interview date. 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 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 CMLPTD-MO
 V27 FS7:DATE IW CMLPT-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

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

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

Birth date: Month, Year, and SAS date
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Wave	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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RABYEAR	30669	1933.21	13.22	1890.0	1983.0

S1BYEAR	10279	1936.57	6.14	1900.0	1969.0
S2BYEAR	13583	1930.77	10.51	1890.0	1971.0
S3BYEAR	12253	1931.56	10.13	1898.0	1974.0
S4BYEAR	14507	1933.94	10.18	1900.0	1973.0
S5BYEAR	13040	1934.72	9.80	1900.0	1976.0
S6BYEAR	11858	1935.58	9.41	1900.0	1980.0
S7BYEAR	13352	1939.25	10.52	1900.0	1976.0
S8BYEAR	12033	1939.81	10.17	1900.0	1983.0
S9BYEAR	11011	1940.53	9.95	1900.0	1986.0
S10BYEAR	9670	1941.42	9.64	1900.0	1983.0
RABMONTH	30670	6.53	3.42	1.0	12.0
S1BMONTH	10279	6.46	3.41	1.0	12.0
S2BMONTH	13585	6.46	3.41	1.0	12.0
S3BMONTH	12255	6.46	3.41	1.0	12.0
S4BMONTH	14509	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	12033	6.56	3.40	1.0	12.0
S9BMONTH	11011	6.56	3.39	1.0	12.0
S10BMONTH	9671	6.58	3.40	1.0	12.0
RABFLAG	30671	0.00	0.02	0.0	3.0
S1BFLAG	10279	0.00	0.00	0.0	0.0
S2BFLAG	13608	0.01	0.13	0.0	3.0
S3BFLAG	12276	0.01	0.13	0.0	3.0
S4BFLAG	14511	0.01	0.08	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	9671	0.01	0.11	0.0	2.0
RABDATE	30669	-9604.17	4828.27	-25371.0	8658.0
S1BDATE	10279	-8376.78	2243.40	-21657.0	3361.0
S2BDATE	13583	-10497.23	3838.83	-25371.0	4032.0
S3BDATE	12253	-10208.06	3700.68	-22599.0	5340.0
S4BDATE	14507	-9336.99	3716.45	-21900.0	4883.0
S5BDATE	13040	-9051.83	3577.83	-21900.0	6102.0
S6BDATE	11858	-8738.38	3437.75	-21900.0	7440.0
S7BDATE	13352	-7395.09	3842.38	-21900.0	6102.0
S8BDATE	12033	-7190.08	3714.67	-21657.0	8658.0
S9BDATE	11011	-6928.45	3635.62	-21657.0	9678.0
S10BDATE	9670	-6601.60	3522.78	-21657.0	8658.0

Categorical Variable Codes

Value-----	RABFLAG
0.Mo/Yr OK	30669
2.Yr missing	1
3.Mo/Yr missing	1

Value-----	S1BFLAG	S2BFLAG	S3BFLAG	S4BFLAG	S5BFLAG	S6BFLAG	S7BFLAG	S8BFLAG	S9BFLAG	S10BFLAG
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	57	4		1		1		1
0.Mo/Yr OK	10279	13583	12246	14441	13029	11814	13304	11997	10938	9560
1.Mo missing			7	66	11	44	48	54	73	110
2.Yr missing		2	2	2						1

3.Mo/Yr missing | 23 21 2 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, 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
 G520 CS2A.R BIRTHDATE
 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

Tracker:
 BIRTHMO BIRTHDATE: MONTH

BIRTHYR BIRTHDATE: YEAR

Death date: Month, Year, and SAS date
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Wave	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
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
1	RADFLAG	RADFLAG: R flag death date missings	Categ
1	S1DFLAG	S1DFLAG: S flag death date missings	Categ
2	S2DFLAG	S2DFLAG: S flag death date missings	Categ
3	S3DFLAG	S3DFLAG: S flag death date missings	Categ
4	S4DFLAG	S4DFLAG: S flag death date missings	Categ
5	S5DFLAG	S5DFLAG: S flag death date missings	Categ
6	S6DFLAG	S6DFLAG: S flag death date missings	Categ
7	S7DFLAG	S7DFLAG: S flag death date missings	Categ
8	S8DFLAG	S8DFLAG: S flag death date missings	Categ
9	S9DFLAG	S9DFLAG: S flag death date missings	Categ
10	S10DFLAG	S10DFLAG: S flag death date missings	Categ
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
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
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
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
1	RANSCORE	RANSCORE: R NDI match score	Cont
1	S1NSCORE	S1NSCORE: S NDI match score	Cont
2	S2NSCORE	S2NSCORE: S NDI match score	Cont
3	S3NSCORE	S3NSCORE: S NDI match score	Cont
4	S4NSCORE	S4NSCORE: S NDI match score	Cont
5	S5NSCORE	S5NSCORE: S NDI match score	Cont
6	S6NSCORE	S6NSCORE: S NDI match score	Cont
7	S7NSCORE	S7NSCORE: S NDI match score	Cont
8	S8NSCORE	S8NSCORE: S NDI match score	Cont
9	S9NSCORE	S9NSCORE: S NDI match score	Cont
10	S10NSCORE	S10NSCORE: S NDI match score	Cont
1	RADDATEF	RADDATEF: R flag death date and interview discrepancy	Categ
1	S1DDATEF	S1DDATEF: S flag death date and interview discrepancy	Categ
2	S2DDATEF	S2DDATEF: S flag death date and interview discrepancy	Categ
3	S3DDATEF	S3DDATEF: S flag death date and interview discrepancy	Categ
4	S4DDATEF	S4DDATEF: S flag death date and interview discrepancy	Categ
5	S5DDATEF	S5DDATEF: S flag death date and interview discrepancy	Categ
6	S6DDATEF	S6DDATEF: S flag death date and interview discrepancy	Categ
7	S7DDATEF	S7DDATEF: S flag death date and interview discrepancy	Categ
8	S8DDATEF	S8DDATEF: S flag death date and interview discrepancy	Categ
9	S9DDATEF	S9DDATEF: S flag death date and interview discrepancy	Categ
10	S10DDATEF	S10DDATEF: S flag death date and interview discrepancy	Categ
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADYEAR	9902	2002.27	4.73	1992.0	2011.0
S1DYEAR	2149	2003.08	4.72	1992.0	2011.0
S2DYEAR	4950	2002.18	4.83	1992.0	2011.0
S3DYEAR	4083	2003.14	4.29	1995.0	2011.0
S4DYEAR	3890	2004.35	3.67	1995.0	2011.0
S5DYEAR	3045	2005.36	3.07	1995.0	2011.0
S6DYEAR	2281	2006.42	2.42	1995.0	2011.0
S7DYEAR	1753	2007.24	1.95	1995.0	2011.0
S8DYEAR	1115	2008.23	1.33	2000.0	2011.0
S9DYEAR	554	2009.19	0.81	2006.0	2011.0
S10DYEAR	21	2009.43	2.13	2001.0	2011.0
RADMONTH	9886	6.46	3.55	1.0	12.0
S1DMONTH	2149	6.56	3.54	1.0	12.0
S2DMONTH	4948	6.48	3.54	1.0	12.0
S3DMONTH	4082	6.49	3.53	1.0	12.0
S4DMONTH	3884	6.55	3.55	1.0	12.0
S5DMONTH	3041	6.54	3.55	1.0	12.0
S6DMONTH	2277	6.56	3.56	1.0	12.0
S7DMONTH	1749	6.65	3.56	1.0	12.0
S8DMONTH	1113	6.63	3.52	1.0	12.0
S9DMONTH	552	6.74	3.52	1.0	12.0
S10DMONTH	21	6.86	3.99	1.0	12.0
RADFLAG	9914	0.01	0.10	0.0	3.0
S1DFLAG	2151	0.00	0.08	0.0	3.0
S2DFLAG	4954	0.00	0.08	0.0	3.0
S3DFLAG	4088	0.00	0.10	0.0	3.0
S4DFLAG	3895	0.01	0.11	0.0	3.0
S5DFLAG	3049	0.01	0.11	0.0	3.0
S6DFLAG	2284	0.01	0.11	0.0	3.0
S7DFLAG	1755	0.01	0.10	0.0	3.0
S8DFLAG	1117	0.01	0.12	0.0	3.0
S9DFLAG	555	0.01	0.14	0.0	3.0
S10DFLAG	21	0.00	0.00	0.0	0.0
RADDATE	9902	15633.89	1727.74	11961.0	18778.0
S1DDATE	2149	15932.85	1719.52	11961.0	18778.0
S2DDATE	4950	15603.02	1762.18	11747.0	18778.0
S3DDATE	4083	15951.37	1563.40	12814.0	18778.0
S4DDATE	3890	16397.41	1336.78	12934.0	18778.0
S5DDATE	3045	16765.31	1114.62	12934.0	18778.0
S6DDATE	2281	17153.20	878.79	12934.0	18778.0
S7DDATE	1753	17457.13	702.33	12934.0	18778.0
S8DDATE	1115	17817.32	476.61	14944.0	18717.0

S9DDATE	554	18169.75	280.81	17044.0	18778.0
S10DDATE	21	18261.19	785.82	15065.0	18778.0
RANYEAR	10098	2001.22	4.29	1992.0	2008.0
S1NYEAR	2246	2001.42	4.59	1992.0	2008.0
S2NYEAR	4797	2001.33	4.23	1993.0	2008.0
S3NYEAR	3860	2002.19	3.69	1993.0	2008.0
S4NYEAR	3489	2003.30	3.08	1992.0	2008.0
S5NYEAR	2588	2004.27	2.53	1992.0	2008.0
S6NYEAR	1779	2005.38	1.88	1993.0	2008.0
S7NYEAR	1246	2006.21	1.41	1994.0	2008.0
S8NYEAR	639	2007.21	0.98	1992.0	2008.0
S9NYEAR	116	2007.79	1.54	1992.0	2008.0
S10NYEAR	5	2004.00	4.90	1996.0	2008.0
RANMONTH	10098	6.49	3.54	1.0	12.0
S1NMONTH	2246	6.62	3.52	1.0	12.0
S2NMONTH	4797	6.52	3.55	1.0	12.0
S3NMONTH	3860	6.52	3.54	1.0	12.0
S4NMONTH	3489	6.62	3.55	1.0	12.0
S5NMONTH	2588	6.63	3.55	1.0	12.0
S6NMONTH	1779	6.71	3.54	1.0	12.0
S7NMONTH	1246	6.87	3.54	1.0	12.0
S8NMONTH	639	6.92	3.43	1.0	12.0
S9NMONTH	116	8.74	2.41	3.0	12.0
S10NMONTH	5	6.60	4.51	3.0	12.0
RANDATE	10098	15252.89	1567.97	11778.0	17897.0
S1NDATE	2246	15327.76	1671.62	11839.0	17897.0
S2NDATE	4797	15293.57	1545.94	12173.0	17897.0
S3NDATE	3860	15608.50	1346.28	12418.0	17897.0
S4NDATE	3489	16014.05	1122.35	11778.0	17897.0
S5NDATE	2588	16371.36	918.84	11778.0	17897.0
S6NDATE	1779	16776.89	683.85	12418.0	17897.0
S7NDATE	1246	17085.59	504.61	12599.0	17897.0
S8NDATE	639	17454.52	353.79	11778.0	17897.0
S9NDATE	116	17721.68	587.57	11778.0	17897.0
S10NDATE	5	16270.80	1897.33	13239.0	17897.0
RANSCORE	10098	76.41	13.08	22.0	104.0
S1NSCORE	2246	76.36	11.86	31.0	102.0
S2NSCORE	4797	77.13	12.13	22.0	102.0
S3NSCORE	3860	78.31	11.47	29.0	104.0
S4NSCORE	3489	77.73	11.72	29.0	104.0
S5NSCORE	2588	78.19	11.16	29.0	104.0
S6NSCORE	1779	78.59	10.36	29.0	104.0
S7NSCORE	1246	78.93	9.35	33.0	102.0
S8NSCORE	639	79.32	7.92	38.0	98.0
S9NSCORE	116	78.74	9.04	38.0	93.0
S10NSCORE	5	61.20	21.46	40.0	86.0
RADDATEF	11167	1.04	2.85	0.0	9.0
S1DDATEF	2508	1.36	3.20	0.0	9.0
S2DDATEF	5308	0.71	2.41	0.0	9.0
S3DDATEF	4386	0.66	2.32	0.0	9.0
S4DDATEF	4152	0.61	2.24	0.0	9.0
S5DDATEF	3243	0.59	2.20	0.0	9.0
S6DDATEF	2395	0.45	1.94	0.0	9.0

S7DDATEF	1830	0.40	1.84	0.0	9.0
S8DDATEF	1150	0.31	1.63	0.0	9.0
S9DDATEF	579	0.43	1.90	0.0	9.0
S10DDATEF	22	0.45	1.92	0.0	9.0
RANDATEF	11543	1.38	3.20	0.0	9.0
S1NDATEF	2664	1.90	3.61	0.0	9.0
S2NDATEF	5493	1.45	3.27	0.0	9.0
S3NDATEF	4515	1.53	3.34	0.0	9.0
S4NDATEF	4231	1.74	3.53	0.0	9.0
S5NDATEF	3277	1.98	3.72	0.0	9.0
S6NDATEF	2411	2.41	3.98	0.0	9.0
S7NDATEF	1848	2.98	4.23	0.0	9.0
S8NDATEF	1164	4.13	4.48	0.0	9.0
S9NDATEF	586	7.26	3.54	0.0	9.0
S10NDATEF	24	7.25	3.49	0.0	9.0

Categorical Variable Codes

Value-----	RADFLAG
.X=No death date	20757
0.Mo/Yr OK	9881
1.Mo missing	21
2.Yr missing	5
3.Mo/Yr missing	7

Value-----	S1DFLAG	S2DFLAG	S3DFLAG	S4DFLAG	S5DFLAG	S6DFLAG	S7DFLAG	S8DFLAG	S9DFLAG	S10DFLAG
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	62	34	37	45	52	58	77
.X=No death date	8128	8654	8181	10558	9958	9538	11552	10883	10398	9574
0.Mo/Yr OK	2148	4947	4080	3883	3040	2276	1748	1112	552	21
1.Mo missing	1	3	3	7	5	5	5	3	2	
2.Yr missing	1	1	2	1	1	1	1	1		
3.Mo/Yr missing	1	3	3	4	3	2	1	1	1	

Value-----	RADDATEF
.M=Missing death year	12
.X=No death date	19492
0.Death after last live IW	9814
1.Date bef last IW-no dth s	1
2.Death dt bef last live IW	82
3.Date betw last IW beg/end	4
8.DthDt aft last IW-maybe d	1
9.R died but no death date	1265

Value-----	S1DDATEF	S2DDATEF	S3DDATEF	S4DDATEF	S5DDATEF	S6DDATEF	S7DDATEF	S8DDATEF	S9DDATEF	S10DDATEF
.M=Missing death year	2	4	4	5	4	3	2	2	1	
.N=no live interivew	14	54	10	11	8	2	3	4	2	
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	65	62	34	37	45	52	58	77
.X=No death date	7755	8242	7868	10285	9752	9422	11472	10844	10371	9573
0.Death after last live IW	2114	4854	4037	3849	3010	2266	1740	1106	550	20
1.Date bef last IW-no dth s										1
2.Death dt bef last live IW	20	40	34	29	26	13	10	5	2	
3.Date betw last IW beg/end	1	2	1							
8.DthDt aft last IW-maybe d			1	1	1					
9.R died but no death date	373	412	313	273	206	116	80	39	27	1

Value-----	RANDATEF
.X=No death date	19128
0.Death after last live IW	9710
1.Date bef last IW-no dth s	9
2.Death dt bef last live IW	18
3.Date betw last IW beg/end	4
8.DthDt aft last IW-maybe d	357
9.R died but no death date	1445

Value-----	S1NDATEF	S2NDATEF	S3NDATEF	S4NDATEF	S5NDATEF	S6NDATEF	S7NDATEF	S8NDATEF	S9NDATEF	S10NDATEF
.N=no live interivew	12	41	6	11	7	2		1		
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700

.V=Sp NR		64	64	62	34	37	45	52	58	77
.X=No death date	7603	8074	7748	10211	9723	9409	11459	10835	10367	9571
0.Death after last live IW	2075	4575	3722	3395	2544	1760	1229	626	111	2
1.Date bef last IW-no dth s	4	7	5	5	4	2	2		1	3
2.Death dt bef last live IW	6	10	9	8	7	4	4	3	1	
3.Date betw last IW beg/end	1	3	2							
8.DthDt aft last IW-maybe d	148	161	116	70	26	11	11	9	3	
9.R died but no death date	430	737	661	753	696	634	602	526	470	19

How Constructed:

The death dates are taken directly from the Tracker file. RANYEAR, RANMONTH and RANDATE are the National Death Index (NDI) dates, and RADYEAR, RADMONTH, and RADDATE are the dates as ascertained by HRS via an exit interview or the surviving spouse's report. RADDATE and RANDATE are the SAS date format of the Death 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.

To calculate RADDATE and RANDATE, 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, death date is missing.

The RADDATEF and RANDATEF flags indicate discrepancies between the interview date and the HRS and NDI death dates, respectively (RADDATE/RANDATE). 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 begin and end 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 R 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 and RADMONTH/RANMONTH are the year and month of death, not in SAS date format.

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

HRS Variables Used

Tracker:

DEATHMO	MONTH OF DEATH
DEATHYR	YEAR OF DEATH
NMONTH	NDI MONTH OF DEATH
NSCORE	NDI MATCH SCORE
NYEAR	NDI YEAR OF DEATH

Age at interview (in months and years)

Wave	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
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
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
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
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
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
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
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
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
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
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

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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1AGEM_B	12651	668.62	68.05	278.0	1106.0
R2AGEM_B	19641	787.14	137.19	285.0	1243.0
R3AGEM_B	17991	801.77	133.58	264.0	1265.0
R4AGEM_B	21384	796.78	133.27	305.0	1264.0
R5AGEM_B	19579	811.06	130.09	284.0	1292.0
R6AGEM_B	18165	825.91	125.92	308.0	1316.0
R7AGEM_B	20129	804.30	137.89	296.0	1289.0
R8AGEM_B	18469	821.39	133.18	305.0	1267.0
R9AGEM_B	17217	835.90	129.08	301.0	1290.0
R10AGEM_B	15371	851.67	124.92	323.0	1308.0
S1AGEM_B	10279	667.45	73.69	278.0	1106.0
S2AGEM_B	13583	757.41	123.81	285.0	1243.0
S3AGEM_B	12253	772.13	119.19	263.0	1177.0
S4AGEM_B	14507	768.14	121.32	304.0	1185.0
S5AGEM_B	13040	781.88	117.41	282.0	1203.0
S6AGEM_B	11858	797.46	112.83	269.0	1227.0
S7AGEM_B	13352	776.89	125.68	331.0	1250.0
S8AGEM_B	12033	794.22	121.51	274.0	1267.0
S9AGEM_B	11011	809.12	119.23	270.0	1290.0
S10AGEM_B	9670	825.94	116.32	322.0	1325.0
R1AGEY_B	12651	55.26	5.68	23.0	92.0
R2AGEY_B	19641	65.13	11.44	23.0	103.0
R3AGEY_B	17991	66.36	11.14	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	11.50	24.0	107.0
R8AGEY_B	18469	67.99	11.10	25.0	105.0
R9AGEY_B	17217	69.20	10.76	25.0	107.0
R10AGEY_B	15371	70.52	10.42	26.0	109.0
S1AGEY_B	10279	55.16	6.15	23.0	92.0
S2AGEY_B	13583	62.66	10.32	23.0	103.0
S3AGEY_B	12253	63.89	9.94	21.0	98.0
S4AGEY_B	14507	63.55	10.12	25.0	98.0
S5AGEY_B	13040	64.69	9.79	23.0	100.0
S6AGEY_B	11858	66.00	9.41	22.0	102.0
S7AGEY_B	13352	64.28	10.48	27.0	104.0
S8AGEY_B	12033	65.72	10.13	22.0	105.0
S9AGEY_B	11011	66.97	9.94	22.0	107.0
S10AGEY_B	9670	68.37	9.70	26.0	110.0
R1AGEM_E	12651	668.64	68.05	278.0	1106.0
R2AGEM_E	19641	787.17	137.17	285.0	1243.0
R3AGEM_E	17991	801.80	133.55	264.0	1265.0

R4AGEM_E	21384	796.84	133.28	305.0	1264.0
R5AGEM_E	19579	811.11	130.09	284.0	1292.0
R6AGEM_E	18165	825.95	125.92	308.0	1316.0
R7AGEM_E	20129	804.30	137.89	296.0	1289.0
R8AGEM_E	18469	821.43	133.18	305.0	1267.0
R9AGEM_E	17217	835.93	129.08	301.0	1290.0
R10AGEM_E	15371	851.73	124.91	323.0	1308.0
S1AGEM_E	10279	667.46	73.69	278.0	1106.0
S2AGEM_E	13583	757.44	123.79	285.0	1243.0
S3AGEM_E	12253	772.16	119.17	263.0	1177.0
S4AGEM_E	14507	768.20	121.32	304.0	1185.0
S5AGEM_E	13040	781.92	117.41	282.0	1203.0
S6AGEM_E	11858	797.49	112.83	269.0	1227.0
S7AGEM_E	13352	776.89	125.68	331.0	1250.0
S8AGEM_E	12033	794.24	121.50	274.0	1267.0
S9AGEM_E	11011	809.15	119.22	270.0	1290.0
S10AGEM_E	9670	825.99	116.31	322.0	1325.0
R1AGEY_E	12651	55.26	5.68	23.0	92.0
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	10.85	23.0	107.0
R6AGEY_E	18165	68.37	10.50	25.0	109.0
R7AGEY_E	20129	66.57	11.50	24.0	107.0
R8AGEY_E	18469	67.99	11.10	25.0	105.0
R9AGEY_E	17217	69.20	10.76	25.0	107.0
R10AGEY_E	15371	70.52	10.42	26.0	109.0
S1AGEY_E	10279	55.16	6.15	23.0	92.0
S2AGEY_E	13583	62.66	10.32	23.0	103.0
S3AGEY_E	12253	63.89	9.94	21.0	98.0
S4AGEY_E	14507	63.55	10.12	25.0	98.0
S5AGEY_E	13040	64.70	9.79	23.0	100.0
S6AGEY_E	11858	66.00	9.41	22.0	102.0
S7AGEY_E	13352	64.28	10.48	27.0	104.0
S8AGEY_E	12033	65.72	10.13	22.0	105.0
S9AGEY_E	11011	66.97	9.94	22.0	107.0
S10AGEY_E	9670	68.37	9.70	26.0	110.0
R1AGEM_M	12651	668.63	68.05	278.0	1106.0
R2AGEM_M	19641	787.16	137.18	285.0	1243.0
R3AGEM_M	17991	801.78	133.57	264.0	1265.0
R4AGEM_M	21384	796.79	133.28	305.0	1264.0
R5AGEM_M	19579	811.07	130.09	284.0	1292.0
R6AGEM_M	18165	825.92	125.92	308.0	1316.0
R7AGEM_M	20129	804.30	137.89	296.0	1289.0
R8AGEM_M	18469	821.40	133.18	305.0	1267.0
R9AGEM_M	17217	835.91	129.08	301.0	1290.0
R10AGEM_M	15371	851.69	124.92	323.0	1308.0
S1AGEM_M	10279	667.46	73.69	278.0	1106.0
S2AGEM_M	13583	757.43	123.80	285.0	1243.0
S3AGEM_M	12253	772.14	119.19	263.0	1177.0
S4AGEM_M	14507	768.16	121.32	304.0	1185.0
S5AGEM_M	13040	781.89	117.41	282.0	1203.0
S6AGEM_M	11858	797.47	112.83	269.0	1227.0
S7AGEM_M	13352	776.89	125.68	331.0	1250.0
S8AGEM_M	12033	794.22	121.51	274.0	1267.0
S9AGEM_M	11011	809.13	119.23	270.0	1290.0
S10AGEM_M	9670	825.96	116.31	322.0	1325.0

R1AGEY_M	12651	55.26	5.68	23.0	92.0
R2AGEY_M	19641	65.14	11.44	23.0	103.0
R3AGEY_M	17991	66.36	11.14	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	11.50	24.0	107.0
R8AGEY_M	18469	67.99	11.10	25.0	105.0
R9AGEY_M	17217	69.20	10.76	25.0	107.0
R10AGEY_M	15371	70.52	10.42	26.0	109.0
S1AGEY_M	10279	55.16	6.15	23.0	92.0
S2AGEY_M	13583	62.66	10.32	23.0	103.0
S3AGEY_M	12253	63.89	9.94	21.0	98.0
S4AGEY_M	14507	63.55	10.12	25.0	98.0
S5AGEY_M	13040	64.69	9.79	23.0	100.0
S6AGEY_M	11858	66.00	9.41	22.0	102.0
S7AGEY_M	13352	64.28	10.48	27.0	104.0
S8AGEY_M	12033	65.72	10.13	22.0	105.0
S9AGEY_M	11011	66.97	9.94	22.0	107.0
S10AGEY_M	9670	68.37	9.70	26.0	110.0

How Constructed:

Age at the beginning of the interview (RwAGEM_B) is calculated from 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 R'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	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
1	RAGENDRF	RAGENDRF: Flag if problem with R Gender	Categ
1	S1GENDRF	S1GENDRF: Flag if problem with S Gender	Categ
2	S2GENDRF	S2GENDRF: Flag if problem with S Gender	Categ
3	S3GENDRF	S3GENDRF: Flag if problem with S Gender	Categ
4	S4GENDRF	S4GENDRF: Flag if problem with S Gender	Categ
5	S5GENDRF	S5GENDRF: Flag if problem with S Gender	Categ
6	S6GENDRF	S6GENDRF: Flag if problem with S Gender	Categ
7	S7GENDRF	S7GENDRF: Flag if problem with S Gender	Categ
8	S8GENDRF	S8GENDRF: Flag if problem with S Gender	Categ
9	S9GENDRF	S9GENDRF: Flag if problem with S Gender	Categ
10	S10GENDRF	S10GENDRF: Flag if problem with S Gender	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAGENDER	30671	1.57	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	12000	1.50	0.50	1.0	2.0
S9GENDER	10953	1.50	0.50	1.0	2.0
S10GENDER	9595	1.50	0.50	1.0	2.0
RAGENDRF	30671	0.00	0.07	0.0	2.0
S1GENDRF	10279	0.00	0.05	0.0	2.0
S2GENDRF	13628	0.00	0.05	0.0	2.0
S3GENDRF	12299	0.00	0.07	0.0	2.0
S4GENDRF	14515	0.00	0.07	0.0	2.0
S5GENDRF	13041	0.00	0.07	0.0	2.0
S6GENDRF	11822	0.00	0.08	0.0	2.0
S7GENDRF	13307	0.00	0.08	0.0	2.0
S8GENDRF	12000	0.00	0.09	0.0	2.0
S9GENDRF	10953	0.00	0.09	0.0	2.0
S10GENDRF	9595	0.00	0.09	0.0	2.0

Categorical Variable Codes

Value-----	RAGENDER
1.Male	13315
2.Female	17356

Value-----	S1GENDER	S2GENDER	S3GENDER	S4GENDER	S5GENDER	S6GENDER	S7GENDER	S8GENDER	S9GENDER	S10GENDER
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		44	34			37	45	52	58	77
1.Male	5165	6846	6171	7267	6518	5899	6662	5985	5469	4795
2.Female	5114	6782	6128	7248	6523	5923	6645	6015	5484	4800

Value-----	RAGENDRF
0.no gender problem	30616
1.gender prob,used first	24
2.gendr prob,used oth inf	31

Value-----	S1GENDRF	S2GENDRF	S3GENDRF	S4GENDRF	S5GENDRF	S6GENDRF	S7GENDRF	S8GENDRF	S9GENDRF	S10GENDRF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		44	34			37	45	52	58	77
0.no gender problem	10272	13618	12282	14488	13017	11799	13277	11970	10923	9568
1.gender prob,used first	2	1	4	9	8	8	12	11	12	11
2.gendr prob,used oth inf	5	9	13	18	16	15	18	19	18	16

How Constructed:

Gender was derived by looking at reports from Tracker and all waves of data. Usually the first non-missing gender was used. There are cases where gender changes from wave to wave. These are flagged by RAGENDRF. For some of these cases, gender-specific health questions were examined to determine the correct gender. Specifically, if yes to prostrate exam, R is male, and if yes to mammogram, pap smear, or checking for breast lumps, R is female. For other cases, HRS provided additional information as to the correct gender.

Spouse gender is taken from the Wave 'w' spouse's RAGENDER variable. If the spouse never responded, spouse gender is taken from the respondent's report of spouse gender.

Cross Wave Differences in Original HRS Data

Gender is reported in the Tracker file and in all waves. It is reported for the respondent in 2 places in Waves 4 and 5. Gender-specific health variables are available starting in Wave 3, but are not asked of everyone in every wave.

Spouse gender is available in all waves, if the respondent is married or partnered. Spouse gender is reported in 2 places in Waves 3H, 4 and 5.

HRS Variables Used

HRS 1992:	
V47	R:SEX
AHEAD 1993:	
SEX	SEX OF R
HRS 1994:	
W50	Gender
AHEAD 1995:	
D290	SEX OF NEW SPOUSE
D374	R SEX
D925	B19F. PREVENTATIVE BEHAV BREAST LUMP
D926	B19G.PREVENTATIVE MAMMOGRAM
D927	B19H.PREVENTATIVE PAP SMEAR
D929	B19K.PREVENTATIVE BEHAV PROSTATE
HRS 1996:	
E290	SEX OF NEW SPOUSE
E374	R SEX
E382	SP GENDER
E926	B19F.PREVENTATIVE BEHAV BREAST LUMP

E927	B19G.PREVENTIVE MAMMOGRAM
E928	B19H.PREVENTATIVE PAP SMEAR
E929	B19K.PREVENTATIVE BEHAV PROSTATE
HRS 1998:	
F1254	B19F.PREVENTATIVE BEHAV BREAST LUMP
F1255	B19G.PREVENTATIVE MAMMOGRAM
F1256	B19H.PREVENTATIVE PAP SMEAR
F1257	B19K.PREVENTATIVE BEHAV PROSTATE
F469	R GENDER - UPDATED
F591	SEX OF NEW SPOUSE
F686	R SEX
F693	SP GENDER
HRS 2000:	
G1387	B19F.PREVENTATIVE BEHAV BREAST LUMP
G1388	B19G.PREVENTATIVE MAMMOGRAM
G1389	B19H.PREVENTATIVE PAP SMEAR
G1390	B19K.PREVENTATIVE BEHAV PROSTATE
G490	CS0Y16.R GENDER - UPDATED
G642	CS15Y56.SEX OF NEW SPOUSE
G757	CS22Y34.R SEX
G764	CS22Y41.SP GENDER
HRS 2002:	
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
HX060_R	SEX OF INDIVIDUAL-UPDATED
HRS 2004:	
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
JX060_R	SEX OF INDIVIDUAL-UPDATED - R
HRS 2006:	
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
KX060_R	SEX OF INDIVIDUAL-UPDATED - R
HRS 2008:	
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
LX060_R	SEX OF INDIVIDUAL-UPDATED - R
HRS 2010:	
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
MX060_R	SEX OF INDIVIDUAL-UPDATED - R
Tracker:	
GENDER	SEX OF RESPONDENT

Race , Ethnicity: Race

Wave	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
1	RARACEF	RARACEF: Flag RARACEM decisions	Categ
1	S1RACEF	S1RACEF: Flag RARACEM decisions	Categ
2	S2RACEF	S2RACEF: Flag RARACEM decisions	Categ
3	S3RACEF	S3RACEF: Flag RARACEM decisions	Categ
4	S4RACEF	S4RACEF: Flag RARACEM decisions	Categ
5	S5RACEF	S5RACEF: Flag RARACEM decisions	Categ
6	S6RACEF	S6RACEF: Flag RARACEM decisions	Categ
7	S7RACEF	S7RACEF: Flag RARACEM decisions	Categ
8	S8RACEF	S8RACEF: Flag RARACEM decisions	Categ
9	S9RACEF	S9RACEF: Flag RARACEM decisions	Categ
10	S10RACEF	S10RACEF: Flag RARACEM decisions	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RARACEM	30654	1.24	0.53	1.0	3.0
S1RACEM	10147	1.21	0.49	1.0	3.0
S2RACEM	13502	1.18	0.45	1.0	3.0
S3RACEM	12196	1.17	0.45	1.0	3.0
S4RACEM	14354	1.18	0.46	1.0	3.0
S5RACEM	12952	1.18	0.47	1.0	3.0
S6RACEM	11783	1.18	0.47	1.0	3.0
S7RACEM	13209	1.21	0.52	1.0	3.0
S8RACEM	11942	1.21	0.52	1.0	3.0
S9RACEM	10890	1.21	0.53	1.0	3.0
S10RACEM	9519	1.21	0.53	1.0	3.0
RARACEF	30671	0.04	0.36	0.0	3.0
S1RACEF	10279	0.03	0.32	0.0	3.0
S2RACEF	13608	0.03	0.28	0.0	3.0
S3RACEF	12269	0.03	0.28	0.0	3.0
S4RACEF	14453	0.04	0.32	0.0	3.0
S5RACEF	13007	0.04	0.34	0.0	3.0
S6RACEF	11822	0.04	0.36	0.0	3.0
S7RACEF	13307	0.06	0.42	0.0	3.0
S8RACEF	12000	0.06	0.42	0.0	3.0
S9RACEF	10953	0.06	0.42	0.0	3.0
S10RACEF	9595	0.06	0.43	0.0	3.0

Categorical Variable Codes

Value-----	RARACEM
.D=DK	1
.M=Oth missing	16
1.White/Caucasian	24605
2.Black/African American	4614
3.Other	1435

Value-----	S1RACEM	S2RACEM	S3RACEM	S4RACEM	S5RACEM	S6RACEM	S7RACEM	S8RACEM	S9RACEM	S10RACEM
.M=Oth missing		13	6	5	3	1	1			
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	132	157	131	156	86	75	142	110	121	153
1.White/Caucasian	8449	11540	10486	12318	11136	10104	11095	10090	9183	8023
2.Black/African American	1313	1554	1332	1538	1340	1239	1407	1225	1110	954
3.Other	385	408	378	498	476	440	707	627	597	542

Value-----	RARACEF
0.No problem	30203
1.Hispanic,assumed white	15
2.Hispanic,assumed white,ne	16
3.Diff from tracker, used 1	437

Value-----	S1RACEF	S2RACEF	S3RACEF	S4RACEF	S5RACEF	S6RACEF	S7RACEF	S8RACEF	S9RACEF	S10RACEF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	62	34	37	45	52	58	77
0.No problem	10148	13478	12154	14276	12831	11650	13038	11764	10732	9387
1.Hispanic,assumed white	12	11	7	5	5	2				1
2.Hispanic,assumed white,ne	10	8	3	4	2	2	3	3	2	2
3.Diff from tracker, used 1	109	111	105	168	169	168	266	233	219	205

How Constructed:

Race is assigned by looking at reports from all waves of data and Tracker. The first non-missing value is used. If race is still missing and the respondent is Hispanic (RAHISPAN=1) then race is set to white/Caucasian.

RARACEF flags cases where race is set to white/Caucasian based on RAHISPAN. It also flags cases where the core data and Tracker do not agree, in which case the core data is used. It appears that the Tracker assumes other race when race is missing and R is Hispanic. Examination of cases that provide information on both race and whether Hispanic, most Hispanic respondents report race as white.

Changes in coding across waves sometimes collapse or expand the race categories coded. RWRACEM has been coded into 3 categories that are consistently available across all waves: white/Caucasian, black/African American and other.

In Wave 1 the race variable is imputed. The imputation is only used if all other sources for race are missing.

In Wave 8, up to three races can be reported along with which is considered primary by R if more than one is given. The primary race is used to derive RARACEM for those who provide multiple races. Otherwise the single given race 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

Wave 1 codes race in more detailed than in later waves, including separate categories for white/Caucasian, black/African American, American Indian/Alaskan native, Asian/Pacific Islander, Brown/combination, and other. Wave 2H uses the same categories except that 'brown' and 'other' are combined. Starting in Wave 3H of HRS, and in Wave 2A of AHEAD, the categories are masked into 3 groups: white/Caucasian, black/African American and other.

Before Wave 8 this question is asked at R's first interview. From Wave 8, all respondents are asked this question. Also from Wave 8, up to three races can be reported, along with which is considered primary by R if more than one is given. The question about primary race asks: Do you consider yourself primarily [race responses separated by 'or']?

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

Tracker:
 HISPANIC HISPANICITY TYPE
 RACE RACE/ETHNICITY

Race , Ethnicity: Whether Hispanic

Wave	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAHISPAN	30643	0.09	0.28	0.0	1.0
S1HISPAN	10131	0.09	0.29	0.0	1.0
S2HISPAN	13491	0.08	0.26	0.0	1.0
S3HISPAN	12191	0.08	0.27	0.0	1.0
S4HISPAN	14353	0.08	0.27	0.0	1.0
S5HISPAN	12953	0.08	0.27	0.0	1.0
S6HISPAN	11781	0.08	0.27	0.0	1.0
S7HISPAN	13210	0.10	0.30	0.0	1.0
S8HISPAN	11943	0.09	0.29	0.0	1.0
S9HISPAN	10890	0.10	0.30	0.0	1.0
S10HISPAN	9544	0.10	0.30	0.0	1.0

Categorical Variable Codes

Value-----	RAHISPAN
.M=Oth missing	28
0. Not Hispanic	27956
1. Hispanic	2687

Value-----	S1HISPAN	S2HISPAN	S3HISPAN	S4HISPAN	S5HISPAN	S6HISPAN	S7HISPAN	S8HISPAN	S9HISPAN	S10HISPAN
.M=Oth missing	8	19	11	8	5	4	1		1	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	140	162	131	154	83	74	141	109	120	127
0. Not Hispanic	9217	12473	11232	13234	11916	10827	11912	10813	9814	8605
1. Hispanic	914	1018	959	1119	1037	954	1298	1130	1076	939

How Constructed:

RAHISPAN indicates whether the respondent is Hispanic. It is assigned by looking at reports from all waves of data and Tracker. The first non-missing value is used.

The codes for the source variables indicate yes, for Hispanic which is recoded to 1, and no which is recoded to 0. If derived from the Tracker file variable, both Mexican-American and Other Hispanic are recoded to 1.

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 was asked if it's 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
Tracker:	
HISPANIC	HISPANICITY TYPE

Census Region

Wave	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
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
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
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

Descriptive Statistics

Variable	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	14954	2.62	0.96	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	9096	2.64	0.95	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	14954	5.02	2.33	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	9096	5.06	2.35	1.0	11.0

Categorical Variable Codes

Value-----	R1CENREG	R2CENREG	R3CENREG	R4CENREG	R5CENREG	R6CENREG	R7CENREG	R8CENREG	R9CENREG	R10CENREG
.M=Oth missing		2	2	8	11	16	15	11	11	418
1.Northeast	2240	3529	3134	3589	3300	2976	3255	2880	2655	2300
2.Midwest	3042	4781	4438	5324	4826	4525	5008	4633	4282	3799
3.South	5343	8191	7490	8848	8057	7445	7999	7433	6997	6123
4.West	2027	3139	2918	3608	3369	3189	3822	3480	3239	2706
5.Other			9	7	16	14	30	32	33	26
Value-----	S1CENREG	S2CENREG	S3CENREG	S4CENREG	S5CENREG	S6CENREG	S7CENREG	S8CENREG	S9CENREG	S10CENREG
.M=Oth missing		1			8	10	10	10	9	145
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.Northeast	1684	2213	1942	2202	2051	1819	1994	1746	1529	1309
2.Midwest	2461	3263	3006	3551	3202	2968	3317	3006	2744	2420
3.South	4182	5430	4942	5742	5199	4721	5063	4648	4274	3624
4.West	1573	2181	2019	2478	2260	2111	2568	2302	2068	1724
5.Other			6	5	10	10	20	23	22	19
Value-----	R1CENDIV	R2CENDIV	R3CENDIV	R4CENDIV	R5CENDIV	R6CENDIV	R7CENDIV	R8CENDIV	R9CENDIV	R10CENDIV
.M=Oth missing		2	2	8	11	16	15	11	11	418
1. New England	469	782	702	869	800	718	833	741	665	628
2. Mid Atlantic	1771	2747	2432	2720	2500	2258	2422	2139	1990	1672
3. EN Central	1987	3238	2979	3561	3178	2978	3362	3071	2830	2490
4. WN Central	1055	1543	1459	1763	1648	1547	1646	1562	1452	1309
5. S Atlantic	3256	4976	4577	5429	4884	4442	4720	4321	4088	3682
6. ES Central	817	1115	1017	1196	1120	1056	1175	1134	1064	913
7. WS Central	1270	2100	1896	2223	2053	1947	2104	1978	1845	1528
8. Mountain	513	801	808	1018	961	915	1156	1090	1056	881
9. Pacific	1514	2338	2110	2590	2408	2274	2666	2390	2183	1825
11.Not US/inc US terr			9	7	16	14	30	32	33	26

Value-----	S1CENDIV	S2CENDIV	S3CENDIV	S4CENDIV	S5CENDIV	S6CENDIV	S7CENDIV	S8CENDIV	S9CENDIV	S10CENDIV
.M=Oth missing		1			8	10	10	10	9	145
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1. New England	379	513	439	550	515	451	538	465	401	372
2. Mid Atlantic	1305	1700	1503	1652	1536	1368	1456	1281	1128	937
3. EN Central	1584	2183	2010	2330	2074	1921	2204	1976	1800	1570
4. WN Central	877	1080	996	1221	1128	1047	1113	1030	944	850
5. S Atlantic	2514	3260	2980	3517	3115	2790	2990	2669	2483	2145
6. ES Central	652	768	696	793	759	707	759	725	658	550
7. WS Central	1016	1402	1266	1432	1325	1224	1314	1254	1133	929
8. Mountain	409	581	581	700	655	620	796	735	670	564
9. Pacific	1164	1600	1438	1778	1605	1491	1772	1567	1398	1160
11.Not US/inc US terr			6	5	10	10	20	23	22	19

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 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 different residence since the date of Wave 1 interview.

In Wave 3H and from Wave 4 forward, questions ask if the household is still in the same location as in 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:
 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
 Region:
 REGION00 REGION OF RESIDENCE 2000
 REGION02 REGION OF RESIDENCE 2002
 REGION04 REGION OF RESIDENCE 2004
 REGION06 REGION OF RESIDENCE 2006
 REGION08 REGION OF RESIDENCE 2008
 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

Education: Years of Education

Wave	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
1	RAEDYRSF	RAEDYRSF: Flag R Yrs of Educ=HRS impute	Categ
1	S1EDYRSF	S1EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
2	S2EDYRSF	S2EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
3	S3EDYRSF	S3EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
4	S4EDYRSF	S4EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
5	S5EDYRSF	S5EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
6	S6EDYRSF	S6EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
7	S7EDYRSF	S7EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
8	S8EDYRSF	S8EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
9	S9EDYRSF	S9EDYRSF: Flag S Yrs of Educ=HRS impute	Categ
10	S10EDYRSF	S10EDYRSF: Flag S Yrs of Educ=HRS impute	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEDYRS	30557	11.92	3.46	0.0	17.0
S1EDYRS	10116	12.09	3.23	0.0	17.0
S2EDYRS	13420	11.86	3.36	0.0	17.0
S3EDYRS	12158	11.98	3.30	0.0	17.0
S4EDYRS	14304	12.24	3.25	0.0	17.0
S5EDYRS	12906	12.32	3.26	0.0	17.0
S6EDYRS	11737	12.42	3.21	0.0	17.0
S7EDYRS	13142	12.63	3.20	0.0	17.0
S8EDYRS	11874	12.70	3.16	0.0	17.0
S9EDYRS	10822	12.78	3.13	0.0	17.0
S10EDYRS	9457	12.87	3.10	0.0	17.0
RAEDYRSF	30671	0.03	0.55	0.0	9.0
S1EDYRSF	10279	0.14	1.12	0.0	9.0
S2EDYRSF	13608	0.12	1.05	0.0	9.0
S3EDYRSF	12269	0.08	0.85	0.0	9.0
S4EDYRSF	14453	0.09	0.91	0.0	9.0
S5EDYRSF	13007	0.07	0.79	0.0	9.0
S6EDYRSF	11822	0.06	0.76	0.0	9.0
S7EDYRSF	13307	0.11	1.00	0.0	9.0
S8EDYRSF	12000	0.09	0.92	0.0	9.0
S9EDYRSF	10953	0.11	0.98	0.0	9.0
S10EDYRSF	9595	0.13	1.07	0.0	9.0

Categorical Variable Codes

Value-----	RAEDYRS
.D=DK	8
.M=Oth missing	72
.R=RF	34
0.None	298
1	103
2	152
3	378
4	324
5	369
6	697
7	624
8	1873
9	1182
10	1739
11	1544
12	9878
13	2032
14	2776
15	1033
16	2773
17.17+ yrs	2782

Value-----	S1EDYRS	S2EDYRS	S3EDYRS	S4EDYRS	S5EDYRS	S6EDYRS	S7EDYRS	S8EDYRS	S9EDYRS	S10EDYRS
.D=DK	3	3	3	3	3	3	3	3	3	3
.M=Oth missing		8	4	20	18	21	38	39	42	31
.R=RF	14	27	27	25	22	20	20	21	17	16
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	146	214	141	163	92	78	149	115	127	165
0.None	65	109	91	88	83	71	73	60	51	44
1	23	49	38	44	32	32	32	28	26	21
2	45	57	48	54	48	33	44	32	28	25
3	104	158	130	139	120	106	118	101	85	73
4	83	141	111	117	107	82	76	64	62	48
5	106	162	139	139	127	106	99	86	71	58
6	206	279	249	263	223	191	235	202	175	151
7	154	260	207	202	188	166	162	148	120	99
8	512	845	719	736	628	525	483	407	340	256
9	382	558	478	501	451	393	388	341	297	244
10	581	793	688	757	649	572	577	506	450	378
11	532	689	618	694	620	540	552	501	433	371
12	3641	4685	4296	4926	4386	4033	4331	3901	3571	3106
13	652	836	794	987	901	819	989	913	846	737
14	903	1112	1052	1331	1190	1099	1341	1216	1108	992
15	316	413	375	504	457	443	532	472	436	400
16	878	1114	1043	1408	1338	1246	1546	1424	1335	1201
17.17+ yrs	933	1160	1082	1414	1358	1280	1564	1472	1388	1253

Value-----	RAEDYRSF
0.Not imputed	30553
1.Used HRS impute	4
9.Still missing	114

Value-----	S1EDYRSF	S2EDYRSF	S3EDYRSF	S4EDYRSF	S5EDYRSF	S6EDYRSF	S7EDYRSF	S8EDYRSF	S9EDYRSF	S10EDYRSF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	62	34	37	45	52	58	77
0.Not imputed	10113	13419	12156	14303	12905	11736	13141	11873	10821	9456
1.Used HRS impute	3	1	2	1	1	1	1	1	1	1
9.Still missing	163	188	111	149	101	85	165	126	131	138

How Constructed:

The years of education variable is assigned by looking at reports from all waves of data. The first non-missing values are used. The Wave 1 HRS imputation is used if no information is reported in any later wave. RAEDYRSF flags these cases.

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

Education: Degrees, Diplomas

Wave	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
1	RAEDEGRF	RAEDEGRF: Flag R High Degree used Yrs Ed	Categ
1	S1EDEGRF	S1EDEGRF: Flag S High Degree used Yrs Ed	Categ
2	S2EDEGRF	S2EDEGRF: Flag S High Degree used Yrs Ed	Categ
3	S3EDEGRF	S3EDEGRF: Flag S High Degree used Yrs Ed	Categ
4	S4EDEGRF	S4EDEGRF: Flag S High Degree used Yrs Ed	Categ
5	S5EDEGRF	S5EDEGRF: Flag S High Degree used Yrs Ed	Categ
6	S6EDEGRF	S6EDEGRF: Flag S High Degree used Yrs Ed	Categ
7	S7EDEGRF	S7EDEGRF: Flag S High Degree used Yrs Ed	Categ
8	S8EDEGRF	S8EDEGRF: Flag S High Degree used Yrs Ed	Categ
9	S9EDEGRF	S9EDEGRF: Flag S High Degree used Yrs Ed	Categ
10	S10EDEGRF	S10EDEGRF: Flag S High Degree used Yrs Ed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEDEGRM	30625	2.24	1.94	0.0	8.0
S1EDEGRM	10119	2.28	1.87	0.0	8.0
S2EDEGRM	13428	2.17	1.88	0.0	8.0
S3EDEGRM	12165	2.23	1.88	0.0	8.0
S4EDEGRM	14323	2.39	1.92	0.0	8.0
S5EDEGRM	12927	2.45	1.94	0.0	8.0
S6EDEGRM	11760	2.50	1.94	0.0	8.0
S7EDEGRM	13182	2.66	1.96	0.0	8.0
S8EDEGRM	11914	2.70	1.96	0.0	8.0
S9EDEGRM	10865	2.75	1.96	0.0	8.0
S10EDEGRM	9491	2.81	1.96	0.0	8.0
RAEDEGRF	30657	0.02	0.36	0.0	9.0
S1EDEGRF	10279	0.15	1.12	0.0	9.0
S2EDEGRF	13601	0.13	1.03	0.0	9.0
S3EDEGRF	12265	0.08	0.83	0.0	9.0
S4EDEGRF	14449	0.09	0.85	0.0	9.0
S5EDEGRF	13005	0.06	0.71	0.0	9.0
S6EDEGRF	11820	0.05	0.65	0.0	9.0
S7EDEGRF	13306	0.09	0.87	0.0	9.0
S8EDEGRF	11999	0.07	0.76	0.0	9.0
S9EDEGRF	10952	0.08	0.81	0.0	9.0
S10EDEGRF	9594	0.10	0.93	0.0	9.0

Categorical Variable Codes

Value-----	RAEDEGRM										
.D=DK	2										
.M=Oth missing	11										
.R=RF	33										
0. No degree	8759										
1. GED	1325										
2. HS	9096										
3. HS/GED	4949										
4. AA/ Lt BA	1112										
5. BA	3135										
6. MA/MBA	1594										
7. Law/MD/PhD	575										
8.Other	80										

Value-----	S1EDEGRM	S2EDEGRM	S3EDEGRM	S4EDEGRM	S5EDEGRM	S6EDEGRM	S7EDEGRM	S8EDEGRM	S9EDEGRM	S10EDEGRM
.D=DK	2	1								
.M=Oth missing		7		4	2	3	2	3	3	2
.R=RF	14	27	27	25	21	19	19	20	16	15
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	144	209	141	163	91	77	149	115	127	164
0. No degree	2558	3858	3299	3459	3024	2577	2585	2257	1944	1580
1. GED	531	592	549	651	601	557	604	553	510	457
2. HS	3319	4319	3949	4547	4034	3720	3993	3582	3268	2844
3. HS/GED	1612	2097	1961	2398	2167	1992	2364	2141	1978	1743
4. AA/ Lt BA	361	401	372	527	478	447	585	534	489	451
5. BA	1024	1260	1191	1600	1525	1426	1759	1634	1533	1380
6. MA/MBA	507	648	599	809	783	735	908	858	812	732
7. Law/MD/PhD	204	248	239	315	300	291	331	302	282	257
8.Other	3	5	6	17	15	15	53	53	49	47

Value-----	RAEDEGRF										
.M=Oth missing	14										
0.Not filled	30440										
1.Filled from Edyrs	171										
9.Still missing	46										

Value-----	S1EDEGRF	S2EDEGRF	S3EDEGRF	S4EDEGRF	S5EDEGRF	S6EDEGRF	S7EDEGRF	S8EDEGRF	S9EDEGRF	S10EDEGRF
.M=Oth missing		7	4	4	2	2	1	1	1	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	62	34	37	45	52	58	77
0.Not filled	10008	13314	12066	14226	12840	11688	13113	11850	10803	9438
1.Filled from Edyrs	111	107	95	93	85	70	68	63	61	52
9.Still missing	160	180	104	130	80	62	125	86	88	104

How Constructed:

The highest degree is assigned by looking at reports from all waves of data. The first non-missing value is used. If R reports 12 or fewer years of school, he/she is asked about a HS degree only. If R 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 are 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". This affects 7 cases.

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.

RAEDEGRF indicates if RAEDEGR was filled this way.

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
 DEGREE HIGHEST DEGREE OF EDUCATION

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

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:

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

Education: Categorical summary

Wave	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEDUC	30625	2.93	1.44	1.0	5.0
S1EDUC	10119	2.98	1.39	1.0	5.0
S2EDUC	13428	2.89	1.42	1.0	5.0
S3EDUC	12165	2.94	1.41	1.0	5.0
S4EDUC	14323	3.06	1.40	1.0	5.0
S5EDUC	12927	3.09	1.41	1.0	5.0
S6EDUC	11760	3.14	1.40	1.0	5.0
S7EDUC	13182	3.24	1.38	1.0	5.0
S8EDUC	11914	3.27	1.38	1.0	5.0
S9EDUC	10865	3.31	1.37	1.0	5.0
S10EDUC	9491	3.35	1.35	1.0	5.0

Categorical Variable Codes

Value-----	RAEDUC	S1EDUC	S2EDUC	S3EDUC	S4EDUC	S5EDUC	S6EDUC	S7EDUC	S8EDUC	S9EDUC	S10EDUC
.D=DK	2	2	1								
.M=Oth missing	11		7		4	2	3	2	3	3	2
.R=RF	33	14	27	27	25	21	19	19	20	16	15
.U=Unmar		2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		144	209	141	163	91	77	149	115	127	164
1. Lt High-school	8759	2558	3858	3299	3459	3024	2577	2585	2257	1944	1580
2. GED	1325	531	592	549	651	601	557	604	553	510	457
3. High-school graduate	9141	3346	4348	3974	4570	4055	3736	4010	3597	3286	2861
4. Some college	6096	1949	2474	2314	2919	2639	2438	2985	2713	2498	2224
5. College and above	5304	1735	2156	2029	2724	2608	2452	2998	2794	2627	2369

How Constructed:

Categorical education recodes the years of education, whether HS degree, and college degrees in a more general way than RAEDEGR. RAEDUC recodes dropouts, HS diplomas, and GED's directly from RAEDEGR. If the respondent has a HS 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 R has exactly 12 years of education but no college degree, then a HS 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".

Training

Wave	Variable	Label	Type
1	RAEDTRN	RAEDTRN: R Training, 100+ hours	Categ
1	S1EDTRN	S1EDTRN: S Training, 100+ hours	Categ
2	S2EDTRN	S2EDTRN: S Training, 100+ hours	Categ
3	S3EDTRN	S3EDTRN: S Training, 100+ hours	Categ
4	S4EDTRN	S4EDTRN: S Training, 100+ hours	Categ
5	S5EDTRN	S5EDTRN: S Training, 100+ hours	Categ
6	S6EDTRN	S6EDTRN: S Training, 100+ hours	Categ
7	S7EDTRN	S7EDTRN: S Training, 100+ hours	Categ
8	S8EDTRN	S8EDTRN: S Training, 100+ hours	Categ
9	S9EDTRN	S9EDTRN: S Training, 100+ hours	Categ
10	S10EDTRN	S10EDTRN: S Training, 100+ hours	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEDTRN	12451	0.98	0.87	0.0	2.0
S1EDTRN	9695	0.99	0.87	0.0	2.0
S2EDTRN	8743	1.01	0.87	0.0	2.0
S3EDTRN	8157	1.01	0.87	0.0	2.0
S4EDTRN	7618	1.02	0.87	0.0	2.0
S5EDTRN	7059	1.03	0.87	0.0	2.0
S6EDTRN	6579	1.04	0.87	0.0	2.0
S7EDTRN	6147	1.05	0.87	0.0	2.0
S8EDTRN	5598	1.06	0.87	0.0	2.0
S9EDTRN	5125	1.07	0.87	0.0	2.0
S10EDTRN	4452	1.09	0.88	0.0	2.0

Categorical Variable Codes

Value-----	RAEDTRN										
.D=DK	11										
.M=Oth missing	18209										
0.No	4842										
1.Yes	3042										
2.Gt 12 yrs	4567										
Value-----	S1EDTRN	S2EDTRN	S3EDTRN	S4EDTRN	S5EDTRN	S6EDTRN	S7EDTRN	S8EDTRN	S9EDTRN	S10EDTRN	
.D=DK	10	9	10	6	5	5	4	4	4	3	
.M=Oth missing	202	4453	3879	6491	5752	5120	6897	6218	5608	4880	
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	372	467	287	400	225	155	304	232	274	337	
0.No	3711	3278	3036	2808	2579	2371	2203	1973	1777	1526	
1.Yes	2367	2143	1969	1830	1676	1573	1450	1304	1189	1010	
2.Gt 12 yrs	3617	3322	3152	2980	2804	2635	2494	2321	2159	1916	

How Constructed:

The question asks if R has received 100+ hours of vocational or employer-provided training. It is asked in waves 1 and 2H of those reporting 0-12 years of education.

The variable is derived by looking at waves 1 and 2H, and using the first non-missing data. A code of 2 is assigned if R was not asked because he/she reported 13+ years of education.

The spouse variable SwEDTRN is taken from the Wave 'w' spouse's RAEDTRN variable.

Cross Wave Differences in Original HRS Data

The question is only asked in Waves 1 and 2H. The question text is:

Since completing your formal education, have you had any training at work or other vocational training lasting 100 hours or more?

It is only asked of respondents who reported 12 or fewer years of education.

HRS Variables Used

HRS 1992:

V10207	V207 EDUCATION IMP :IND
V207	A3:HIGHEST EDUCATION:IMP
V209	A3B:WRK/VOCATNL TRAINING

HRS 1994:

W221	A13. Highest Education
W223	A13b. Work/Vocational Train

.U=Unmar		2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		179	243	143	165	92	78	149	116	131	166
0.None		327	297	281	363	341	316	390	348	324	287
	1	35	29	28	36	35	34	38	33	28	26
	2	63	58	56	70	67	65	82	76	69	59
	3	207	190	176	224	215	190	229	214	200	162
	4	267	239	214	263	251	226	244	222	203	168
	5	274	251	230	272	251	226	246	213	195	168
	6	726	640	596	721	683	623	685	618	569	481
	7	341	308	283	346	316	292	292	263	240	208
7.5: lt 8 yrs		35	1700	1356	1018	743	543	388	272	196	111
	8	1950	1773	1652	2101	1961	1831	1898	1722	1584	1393
8.5:8+ yrs		81	2201	1955	1580	1212	927	731	533	381	248
	9	365	329	316	384	354	342	387	363	335	301
	10	637	560	539	670	628	608	678	626	581	523
	11	331	299	274	366	352	340	395	375	350	322
	12	2602	2378	2232	3180	3019	2864	3747	3516	3298	3000
	13	156	141	132	224	215	202	243	235	221	198
	14	344	319	314	450	433	418	508	472	454	415
	15	55	53	54	70	65	62	88	83	83	73
	16	318	294	286	430	414	396	530	496	470	431
17.17+ yrs		99	90	90	121	121	122	168	154	148	132

How Constructed:

This variable is 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 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 she attended school for 8 or more years.

Waves 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 yrs is assigned if less than 8 years, and 8.5 is assigned if 8 or more.

The spouse variable SwMEDUC is taken from the Wave 'w' spouse's RAMEDUC variable.

Cross Wave Differences in Original HRS Data

In Wave 1 the question is: "What is the highest grade of school your mother 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 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 mother completed?", and answers can be 0-17.

HRS Variables Used

HRS 1992:	
V212	A4:MOTHER-HIGHEST GRADE
AHEAD 1993:	
B130	A4. MOTHER IN SCHOOL 8/+ YEARS
AHEAD 1995:	
D654	A4.MA EDUC
HRS 1996:	
E654	A4.MOTHER EDUC
HRS 1998:	
F1001	A6.MA EDUC
HRS 2000:	
G1088	A6.MA EDUC
HRS 2002:	
HB027	MOTHER EDUCATION- HIGHEST GRADE
HRS 2004:	

JB027	MOTHER EDUCATION- HIGHEST GRADE
HRS 2006:	
KB027	MOTHER EDUCATION- HIGHEST GRADE
HRS 2008:	
LB027	MOTHER EDUCATION- HIGHEST GRADE
HRS 2010:	
MB027	MOTHER EDUCATION- HIGHEST GRADE

.U=Unmar		2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		188	253	152	181	95	85	158	118	139	173
0.None		387	357	313	417	391	346	401	353	317	280
	1	45	40	37	39	44	39	49	42	42	35
	2	98	85	79	108	95	80	106	93	82	66
	3	307	273	258	344	323	290	335	303	277	235
	4	325	296	288	341	326	308	321	296	272	238
	5	357	317	297	371	352	326	350	305	290	253
	6	765	678	640	786	737	688	762	685	632	541
	7	327	291	267	330	305	280	308	274	245	210
7.5: lt 8 yrs		34	1866	1516	1155	833	626	458	335	245	138
	8	1898	1735	1611	2045	1909	1794	1923	1792	1641	1489
8.5:8+ yrs		74	2016	1771	1410	1105	828	643	462	331	218
	9	350	316	302	373	348	335	373	333	314	286
	10	553	494	470	582	559	526	600	549	517	470
	11	246	226	210	267	254	231	273	265	248	229
	12	2117	1922	1809	2428	2308	2194	2776	2644	2497	2255
	13	108	107	105	162	157	152	219	206	192	175
	14	256	239	225	326	317	317	362	347	316	285
	15	70	66	60	92	90	87	99	97	95	81
	16	379	345	331	462	426	417	608	547	519	483
17.17+ yrs		252	226	232	327	318	303	400	366	344	307

How Constructed:

This variable is 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 father'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 attended school for 8 or more years.

Waves 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 yrs is assigned if less than 8 years, and 8.5 is assigned if 8 or more.

The spouse variable SwFEDUC is taken from the Wave 'w' spouse's RAFEDUC variable.

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 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 completed?", and answers can be 0-17.

HRS Variables Used

HRS 1992:	
V213	A5:FATHER-HIGHEST GRADE
AHEAD 1993:	
B131	A5. FATHER IN SCHOOL 8/+ YEARS
AHEAD 1995:	
D655	A5.PA EDUC
HRS 1996:	
E655	A5.FATHER EDUC
HRS 1998:	
F1000	A5.PA EDUC
HRS 2000:	
G1087	A5.PA EDUC
HRS 2002:	
HB026	FATHER EDUCATION- HIGHEST GRADE
HRS 2004:	

JB026	FATHER EDUCATION- HIGHEST GRADE
HRS 2006:	
KB026	FATHER EDUCATION- HIGHEST GRADE
HRS 2008:	
LB026	FATHER EDUCATION- HIGHEST GRADE
HRS 2010:	
MB026	FATHER EDUCATION- HIGHEST GRADE

Current Marital Status: With partnership

Wave	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
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

Descriptive Statistics

Variable	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	17941	2.87	2.70	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	15370	3.24	2.77	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	9241	1.14	0.50	1.0	8.0

Categorical Variable Codes

Value-----	R1MSTAT	R2MSTAT	R3MSTAT	R4MSTAT	R5MSTAT	R6MSTAT	R7MSTAT	R8MSTAT	R9MSTAT	R10MSTAT
.M=Oth missing			50	24	20	15	15	2	2	2
1. Married	9837	13148	11792	13820	12368	11243	12515	11273	10273	8825
2. Married, spouse absent	57	117	155	144	153	166	187	161	140	209
3. Partnered	385	359	380	551	520	450	650	618	598	638
4. Separated	310	278		331	282	259	323	277	277	
5. Divorced	1080	1005		1707	1598	1523	1859	1741	1682	

6. Separated/Divorced		402	1537	4	1	1		8	6	1778
7. Widowed	621	3764	3603	4199	4094	4030	3949	3843	3726	3439
8. Never Married	362	569	474	604	543	478	631	546	513	481
Value-----	S1MSTAT	S2MSTAT	S3MSTAT	S4MSTAT	S5MSTAT	S6MSTAT	S7MSTAT	S8MSTAT	S9MSTAT	S10MSTAT
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1. Married	9492	12701	11484	13373	12124	11075	12219	11027	9993	8503
2. Married, spouse absent	42	22	124	124	141	152	168	152	123	184
3. Partnered	366	321	301	481	465	405	581	553	524	549
4. Separated		18				6	3	2	2	
5. Divorced		11				1	1			
6. Separated/Divorced			6							3
7. Widowed		7						1	3	1
8. Never Married		8							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 only 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 R is unmarried or unpartnered or .V if R'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 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 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
 D230 CS7.W1 COUPLE NEW SP
 D231 CS8.W1 COUPLE PARTNER
 D233 CS9.W1 ONLY NEW SP
 D234 CS10.W1 ONLY NEW PARTNER
 D240 CS11.R-WHERE LIVE
 D241 CS12.COUPLE LIVE TOGETHER
 D246 CS13.SP/P WHERE LIVE
 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
 G1157 A43.MARITAL STATUS IF UNMARRIED
 G1158 A43A.MARITAL STATUS_ASSIGNED
 G482 CS0Y9.PRELOAD ENTRY COHORT
 G483 CS0Y9A.PRELOAD MARITAL STATUS
 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
 G565 CS14.SP/P WHERE LIVE
 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
 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
 JX065_R COUPLENESS STATUS - UPDATED
 JZ023 WHICH COHORT
 HHID HOUSEHOLD IDENTIFIER
 JSUBHH 2004 SUB-HOUSEHOLD IDENTIFIER
 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
KX065_R	COUPLENESS STATUS - UPDATED
KZ023	WHICH COHORT
HHID	HOUSEHOLD IDENTIFIER
KSUBHH	2006 SUB-HOUSEHOLD IDENTIFIER
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
LX065_R	COUPLENESS STATUS - UPDATED
LZ023	PREV WAVE WHICH COHORT
HHID	HOUSEHOLD IDENTIFIER
LSUBHH	2008 SUB-HOUSEHOLD IDENTIFIER
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
MX065_R	COUPLENESS STATUS OF INDIVIDUAL-UPDATED
MZ023	PREV WAVE WHICH COHORT -1
HHID	HOUSEHOLD IDENTIFIER
MSUBHH	2010 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

Current Marital Status: Current Partnership Status

Wave	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
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

Descriptive Statistics

Variable	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	15372	0.04	0.20	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	9241	0.06	0.24	0.0	1.0

Categorical Variable Codes

Value-----	R1MPART	R2MPART	R3MPART	R4MPART	R5MPART	R6MPART	R7MPART	R8MPART	R9MPART	R10MPART
0.no	12267	19234	17605	20833	19059	17715	19479	17851	16619	14734
1.yes	385	408	386	551	520	450	650	618	598	638
Value-----	S1MPART	S2MPART	S3MPART	S4MPART	S5MPART	S6MPART	S7MPART	S8MPART	S9MPART	S10MPART
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431

0.no	|	9534	12723	11608	13497	12265	11234	12391	11182	10122	8692
1.yes	|	366	365	307	481	465	405	581	553	524	549

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.

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

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
HX065_R COUPLENESS STATUS - UPDATED
HSUBHH 2002 SUB-HOUSEHOLD IDENTIFIER

HRS 2004:
JPN_SP 2004 SPOUSE/PARTNER PERSON NUMBER
JX065_R COUPLENESS STATUS - UPDATED
JSUBHH 2004 SUB-HOUSEHOLD IDENTIFIER

HRS 2006:
KPN_SP 2006 SPOUSE/PARTNER PERSON NUMBER
KX065_R COUPLENESS STATUS - UPDATED

KSUBHH	2006 SUB-HOUSEHOLD IDENTIFIER
HRS 2008:	
LPN_SP	2008 SPOUSE/PARTNER PERSON NUMBER
LX065_R	COUPLENES STATUS - UPDATED
LSUBHH	2008 SUB-HOUSEHOLD IDENTIFIER
HRS 2010:	
MPN_SP	2010 SPOUSE/PARTNER PERSON NUMBER
MX065_R	COUPLENES STATUS OF INDIVIDUAL-UPDATED
MSUBHH	2010 SUB-HOUSEHOLD IDENTIFIER
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

Current Marital Status: Without partnership

Wave	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
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
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
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

Descriptive Statistics

Variable	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	17990	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	15372	3.24	2.74	1.0	9.0
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	9241	1.32	1.21	1.0	9.0
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	0.07	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	15372	0.06	0.51	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	9241	0.00	0.04	0.0	2.0

Categorical Variable Codes

Value-----	R1MSTATH	R2MSTATH	R3MSTATH	R4MSTATH	R5MSTATH	R6MSTATH	R7MSTATH	R8MSTATH	R9MSTATH	R10MSTATH
.M=Oth missing			1	4			6			
1.Married	9837	13148	11792	13820	12368	11243	12515	11273	10274	8825
2.Married,sp abs	57	117	155	144	153	166	187	161	140	209
4.Separated	360	434	367	390	331	289	356	313	299	185
5.Divorced	1217	1321	1376	2008	1900	1776	2232	2082	2023	1836
6.Sep/Div		111	70	1						140
7.Widowed	649	3806	3680	4317	4203	4155	4096	3996	3879	3599
8.Never married	428	627	537	691	619	536	737	644	602	574
9.Unknown unmar	104	78	13	9	5					4
Value-----	S1MSTATH	S2MSTATH	S3MSTATH	S4MSTATH	S5MSTATH	S6MSTATH	S7MSTATH	S8MSTATH	S9MSTATH	S10MSTATH
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.Married	9492	12701	11484	13373	12124	11075	12219	11027	9993	8503
2.Married,sp abs	42	22	124	124	141	152	168	152	123	184
4.Separated	46	71	62	43	38	25	32	30	20	26
5.Divorced	131	113	135	253	254	220	327	299	296	305
6.Sep/Div		1								1
7.Widowed	26	44	54	104	100	116	130	137	134	132
8.Never married	63	62	44	73	68	51	96	90	80	86
9.Unknown unmar	100	74	12	8	5					4
Value-----	R1MSTATF	R2MSTATF	R3MSTATF	R4MSTATF	R5MSTATF	R6MSTATF	R7MSTATF	R8MSTATF	R9MSTATF	R10MSTATF
0.No discrepancy	12652	19497	17943	21150	19239	17799	19799	18150	16891	15089
1.MS=nev,marhis=evmar		29	23	33	52	41	49	52	61	82
2.MS=evmar,marhis=nev		20	15	36	43	43	39	40	37	50
3.MS=sep,marhis=wid/div		24		18	43	46	41	49	53	
5.Othr dif unmarried MS		72	10	147	202	236	201	178	175	151

Value-----	S1MSTATF	S2MSTATF	S3MSTATF	S4MSTATF	S5MSTATF	S6MSTATF	S7MSTATF	S8MSTATF	S9MSTATF	S10MSTATF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No discrepancy	9900	13085	11915	13974	12719	11630	12964	11727	10631	9226
1.MS=nev,marhis=evmar				2	7	7	7	8	13	14
2.MS=evmar,marhis=nev		1		2	4	1	1		2	1
3.MS=sep,marhis=wid/div		2				1				

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 unmarried 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 R is unmarried or unpartnered or .V if R'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 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. 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 ever married.

HRS Variables Used

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
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
G1157	A43.MARITAL STATUS IF UNMARRIED
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
G483	CS0Y9A.PRELOAD MARITAL STATUS
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
G565	CS14.SP/P WHERE LIVE
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
 JB063 MARITAL STATUS ASSIGNED
 JB065 NUMBER OF MARRIAGES
 JB068_1 FIRST MARRIAGE END DIVORCE/WIDOW
 JX065_R COUPLENESS STATUS - UPDATED
 JZ023 WHICH COHORT
 JSUBHH 2004 SUB-HOUSEHOLD IDENTIFIER
 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
 KX065_R COUPLENESS STATUS - UPDATED
 KZ023 WHICH COHORT
 KSUBHH 2006 SUB-HOUSEHOLD IDENTIFIER
 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
 LX065_R COUPLENESS STATUS - UPDATED
 LZ023 PREV WAVE WHICH COHORT

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LSUBHH      2008 SUB-HOUSEHOLD IDENTIFIER
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
MB068_1    FIRST MARRIAGE END DIVORCE/WIDOW
MX065_R    COUPLENES STATUS OF INDIVIDUAL-UPDATED
MZ023      PREV WAVE WHICH COHORT -1
MSUBHH     2010 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
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Number of Marriages

Wave	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
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

Descriptive Statistics

Variable	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	15322	1.40	0.77	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	9218	1.45	0.75	0.0	8.0

Categorical Variable Codes

Value-----	R1MRCT	R2MRCT	R3MRCT	R4MRCT	R5MRCT	R6MRCT	R7MRCT	R8MRCT	R9MRCT	R10MRCT
.D=DK				1	2	2	3	3	2	2
.M=Oth missing	5	16	12	13	11	11	17	17	17	15
.R=RF	33	52	48	47	46	45	43	40	39	33
0	428	617	527	691	605	534	722	625	569	521
1	8638	13810	12579	14821	13501	12386	13324	12162	11200	9894
2	2814	4105	3822	4539	4207	4007	4588	4206	4004	3589

3	567	811	786	1003	945	902	1087	1073	1048	995
4	112	181	171	222	213	224	287	289	284	272
5	42	37	32	33	37	43	45	41	41	40
6	8	8	9	7	8	6	7	7	7	7
7	3	3	4	4	2	3	4	4	4	3
8	1	1	2	2	1	2	2	2	2	1
13	1	1	1	1	1					
Value-----	S1MRCT	S2MRCT	S3MRCT	S4MRCT	S5MRCT	S6MRCT	S7MRCT	S8MRCT	S9MRCT	S10MRCT
.D=DK				1	2	2	2	2	2	1
.M=Oth missing		6	5	4	4	4	10	9	3	3
.R=RF	15	41	34	31	29	32	29	26	23	19
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0	63	63	44	73	65	45	90	80	69	73
1	6992	9477	8583	10003	9026	8098	8823	7922	7068	6041
2	2246	2793	2580	3014	2782	2643	3040	2741	2566	2264
3	451	560	526	671	643	617	733	710	682	632
4	91	114	112	147	146	160	203	207	197	180
5	34	26	25	26	26	30	32	29	29	22
6	5	5	4	4	4	3	4	4	3	3
7	2	2	2	2	2	3	4	3	3	2
8	1	1		2	1	2	2	2	1	1

How Constructed:

Number of marriages is assigned at the first wave R enters the HRS, from the marriage history information, which includes number of marriages including the current one. After the first wave, the number of marriages changes if R reports a marriage beginning between waves, or if a change in marital status indicates that one has begun.

If R 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.

Spouse's number of marriages is taken from the Wave 'w' spouse's Rwmrct variable. It is set to .U if R is unmarried or unpartnered or .V if R'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.

The skip pattern and amount of marital history information gathered varies from wave to wave. In Wave 1, the questionnaire does not specify a maximum number of marriages that can be reported (at most 13 marriages are reported), and data are collected on 3 past and the current or most recent marriage. For new respondents in Wave 2H the questionnaire limits responses to 15 for number of marriages, and data are collected only about the first marriage. 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). For new respondents in Wave 3, the questionnaire limits the responses to 4 (meaning 4 or more) for number of marriages and information is collected on the first and most recent marriages. From Wave 4 forward, new respondents can report a maximum of 4 for number of marriages and information is collected on 3 past and the current marriage. 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.

From Wave 2H forward, or 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.

HRS Variables Used

HRS 1992:
 V10225 A10:CURRENT MAR STAT:IND
 V228 A10B:EVER BEEN MARRIED
 V229 A10C:# OF TIMES MARRIED
 V234 CKPT:TIMES BEEN MARRIED
 V239 A11:1ST MARRIAGE
 V240 A12:TOTAL TIMES MARRIED
 AHEAD 1993:
 B158 A11c. LIVE TGHR: EVER MARRIED
 B160 A11e. LIVE TGHR: DIVORCED OR WIDOWED
 B166 A13. # OF MARRIAGES EVER
 HRS 1994:
 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
 HRS 1996:
 E676 A21.L-EVER MARRIED
 E677 A21A.# MARRIAGES
 E680 A22B.FIRST MAR-END DIV/WID
 E684 A23B.RECENT MAR-END DIV/WID
 HRS 1998:
 F1071 A43A.MARITAL STATUS, ASSIGNED
 F1072 A44.# MARRIAGES
 HRS 2000:
 G1158 A43A.MARITAL STATUS_ASSIGNED
 G1159 A44.# MARRIAGES
 HRS 2002:
 HB065 NUMBER OF MARRIAGES
 HMARITAL MARITAL STATUS
 HRS 2004:
 JB065 NUMBER OF MARRIAGES
 JPN_SP 2004 SPOUSE/PARTNER PERSON NUMBER
 JSUBHH 2004 SUB-HOUSEHOLD IDENTIFIER
 HRS 2006:
 KB065 NUMBER OF MARRIAGES
 KPN_SP 2006 SPOUSE/PARTNER PERSON NUMBER
 KSUBHH 2006 SUB-HOUSEHOLD IDENTIFIER
 HRS 2008:
 LB065 NUMBER OF MARRIAGES
 LPN_SP 2008 SPOUSE/PARTNER PERSON NUMBER
 LSUBHH 2008 SUB-HOUSEHOLD IDENTIFIER
 HRS 2010:
 MB065 NUMBER OF MARRIAGES
 MPN_SP 2010 SPOUSE/PARTNER PERSON NUMBER
 MSUBHH 2010 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
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

Marital History: Never married

Wave	Variable	Label	Type
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	15370	0.03	0.18	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	9241	0.01	0.09	0.0	1.0

Categorical Variable Codes

Value-----	R1MNEV	R2MNEV	R3MNEV	R4MNEV	R5MNEV	R6MNEV	R7MNEV	R8MNEV	R9MNEV	R10MNEV
.N=no mars,likely nev mar				3	2	1	2	2	1	2
0.Ever married	12224	19025	17464	20690	18972	17630	19405	17842	16647	14849
1.Never married	428	617	527	691	605	534	722	625	569	521
Value-----	S1MNEV	S2MNEV	S3MNEV	S4MNEV	S5MNEV	S6MNEV	S7MNEV	S8MNEV	S9MNEV	S10MNEV
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700

.V=Sp NR	|	379	584	418	537	311	220	380	317	365	431
0.Ever married	|	9837	13025	11871	13905	12665	11594	12882	11655	10577	9168
1.Never married	|	63	63	44	73	65	45	90	80	69	73

How Constructed:

RwMNEV indicates if R has never been married. If R 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, the numbers of divorces, widowhoods, and marriages that ended with unknown status are derived. Please see Number of Marriages (RwMRCT), and other Marital History variables, such as number of divorces (RwMDIV), widowhoods (RwMWID), and ended marriages with unknown status (RwMEND).

Spouse's never married flag is taken from the Wave 'w' spouse's RwMNEV variable. It is set to .U if R is unmarried or unpartnered or .V if R'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 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.

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. The maximum number of marriages that can be reported varies from wave to wave.

HRS Variables Used

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
 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
 W210 A9. Marriage End Divorce/Widow

AHEAD 1995:

D226 CS4.R SAME SP/P
 D227 CS5.SP/P ALIVE
 D230 CS7.W1 COUPLE NEW SP
 D231 CS8.W1 COUPLE PARTNER
 D233 CS9.W1 ONLY NEW SP
 D234 CS10.W1 ONLY NEW PARTNER
 D240 CS11.R-WHERE LIVE
 D241 CS12.COUPLE LIVE TOGETHER
 D246 CS13.SP/P WHERE LIVE
 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
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	2002 SUB-HOUSEHOLD IDENTIFIER
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
JB063 MARITAL STATUS ASSIGNED
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
KB063 MARITAL STATUS ASSIGNED
KB065 NUMBER OF MARRIAGES
KB066_1 FIRST MARRIAGE YEAR BEGAN
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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
LB063 MARITAL STATUS ASSIGNED
LB065 NUMBER OF MARRIAGES
LB066_1 FIRST MARRIAGE YEAR BEGAN
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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
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
MB063	MARITAL STATUS ASSIGNED
MB065	NUMBER OF MARRIAGES
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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

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
DPN	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

Value-----	S1MDIV	S2MDIV	S3MDIV	S4MDIV	S5MDIV	S6MDIV	S7MDIV	S8MDIV	S9MDIV	S10MDIV
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0	7335	10802	9707	11052	9923	8914	9565	8571	7638	6463
1	2065	1846	1800	2339	2243	2152	2630	2398	2249	2059
2	397	354	326	476	456	456	610	604	598	563
3	102	86	81	104	100	106	154	149	146	139
4	1		1	5	6	9	11	11	13	15
5				2	2	2	2	2	2	2

How Constructed:

RwMDIV counts the number of divorces the respondent has reported.

For ever married respondents, the numbers of divorces, widowhoods, and marriages that ended with unknown status are derived. Please see Number of Marriages (RwMRCT), and other Marital History variables, such as the never married flag (RwMNEV), number of widowhoods (RwMWID), and ended marriages with unknown status (RwMEND).

The number of divorces derivation begins with the individual's marriage history at the first interview to which he/she responds, counting any divorces reported for past marriages. At subsequent interviews, the divorce count is increased if a divorce is reported as occurring between interviews, or if a respondent's marital status changes from married or separated to divorced. 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.

A respondent is asked about past marriages only at the first interview. In Wave 1, there are data on 3 past and the current marriage. If the first interview is Wave 2H or 3H, or for the Ahead sample, Wave 3A, there are data on at most 2 marriages. If the first interview is Wave 2A, there is information on at most one marriage. For new interviewees in Waves 4, 5 and from Wave 7 forward, there are data on at most 4 marriages. For new interviewees at Wave 6 there are data on at most 3 marriages. This was corrected in Wave 7.

Please note that if a respondent reports that he/she has more than four marriages in most waves, more than two in Waves 2H, 3H, and 3A, or more than one in Wave 2A, how some of those marriages ended will not be known.

Spouse's number of divorces is taken from the Wave 'w' spouse's RwMDIV variable. It is set to .U if R is unmarried or unpartnered or .V if R'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 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 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 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 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 R 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 R has more than one marriage. If R 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 R 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

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:	
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
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
D747	A41A.POST W1 DIV/WIDOW MOR
D748	A41B.YEAR
DMSTATR	HRS 95: Marital Status (w/ partnered)
F746	CHECKPOINT
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
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
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HB068_1	FIRST MARRIAGE END DIVORCE/WIDOW
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HMARITAL	MARITAL STATUS
HRS 2004:	
JA020	1ST R SAME SP/P
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JB055 NEW MARRIAGE SINCE PREVIOUS WAVE
JB056 BETWEEN WAVE MARRIAGE START-MONTH
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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
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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
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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
MB056 BETWEEN WAVE MARRIAGE START-MONTH
MB057 BETWEEN WAVE MARRIAGE START-YEAR

MB058	DIVORCE/WIDOW SINCE PREVIOUS WAVE
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AALIVE	1992 VITAL STATUS
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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
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

Marital History: # times widowed

Wave	Variable	Label	Type
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	0.26	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	15372	0.29	0.48	0.0	3.0
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	9241	0.07	0.28	0.0	3.0

Categorical Variable Codes

Value-----	R1MWID	R2MWID	R3MWID	R4MWID	R5MWID	R6MWID	R7MWID	R8MWID	R9MWID	R10MWID
0	11516	15416	13873	16419	14726	13382	15354	13807	12687	11204
1	1098	4176	4057	4841	4718	4629	4608	4461	4324	3958
2	37	49	59	119	130	149	159	189	194	197
3	1	1	2	5	5	5	8	12	12	13
Value-----	S1MWID	S2MWID	S3MWID	S4MWID	S5MWID	S6MWID	S7MWID	S8MWID	S9MWID	S10MWID

.U=Unmar		2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		379	584	418	537	311	220	380	317	365	431
	0	9456	12676	11485	13327	12077	10925	12198	10961	9910	8596
	1	429	398	415	632	631	683	738	726	696	610
	2	14	14	15	18	22	30	35	46	38	34
	3		1		1		1	1	2	2	1

How Constructed:

RwMWID counts the number of times the respondent reports being widowed.

For ever married respondents, the numbers of divorces, widowhoods, and marriages that ended with unknown status are derived. Please see Number of Marriages (RwMRCT), and other Marital History variables, such as the never married flag (RwMNEV), number of divorces (RwMDIV), and ended marriages with unknown status (RwMEND).

The number of times widowed derivation begins with the individual's marriage history at the first interview to which he/she responds, counting any widowhoods reported for past marriages. At subsequent interviews, the widowhood count is increased if a widowhood is reported as occurring between interviews, or if a respondent's marital status changes from married or separated to widowed. 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.

A respondent is asked about past marriages only at the first interview. In Wave 1, there are data on 3 past and the current marriage. If the first interview is Wave 2H or 3H, or for the Ahead sample, Wave 3A, there are data on at most 2 marriages. If the first interview is Wave 2A, there is information on at most one marriage. For new interviewees in Waves 4, 5 and from Wave 7 forward, there are data on at most 4 marriages. For new interviewees in Wave 6, there are data on at most 3 marriages. This was corrected in Wave 7.

Please note that if a respondent reports that he/she has more than four marriages in most waves, more than two in Waves 2H, 3H, and 3A, or more than one in Wave 2A, how some of those marriages ended will not be known.

Spouse's number of times widowed is taken from the Wave 'w' spouse's Rwmwid variable. It is set to .U if R is unmarried or unpartnered or .V if R'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 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 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 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 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 R 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 R has more than one marriage. If R 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 R 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

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:	
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
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
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
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
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
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

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
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

Marital History: # times don't know how marriage ended

Wave	Variable	Label	Type
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	15322	0.05	0.25	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	9218	0.03	0.20	0.0	4.0

Categorical Variable Codes

Value-----	R1MEND	R2MEND	R3MEND	R4MEND	R5MEND	R6MEND	R7MEND	R8MEND	R9MEND	R10MEND
.M=Oth missing	38	68	60	61	59	58	63	60	58	50
0	12371	17490	16126	19679	18078	16884	18980	17503	16374	14716
1	218	1709	1485	1351	1198	1027	916	763	662	516
2	17	302	262	244	204	167	144	123	105	79
3	2	68	54	44	37	25	22	16	15	9
4	2	2	1	2	1	3	3	3	2	1

5	2	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1						
10	1	1	1	1	1						
Value-----	S1MEND	S2MEND	S3MEND	S4MEND	S5MEND	S6MEND	S7MEND	S8MEND	S9MEND	S10MEND	
.M=Oth missing	15	47	39	36	35	38	41	37	28	23	
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	379	584	418	537	311	220	380	317	365	431	
0	9691	11890	10918	13100	11984	11011	12434	11303	10282	8964	
1	178	946	786	695	591	497	422	336	290	226	
2	11	166	147	127	103	82	64	50	38	24	
3	1	36	22	19	17	8	7	6	7	3	
4	2	1	1	1		3	3	3	1	1	
5	1	1	1				1				
6	1	1	1								

How Constructed:

RwMEND counts the number of ended marriages where the ending status (divorce or widowhood) is unknown.

For ever married respondents, the numbers of divorces, widowhoods, and marriages that ended with unknown status are derived. Please see Number of Marriages (RwMRCT), and other Marital History variables, such as the never married flag (RwMNEV), number of divorces (RwMDIV), and number of widowhoods (RwMWID).

The number of times a marriage end status is unknown is derived beginning with the individual's marriage history at the first interview to which he/she responds. The number of divorces and widowhoods are counted. The number of remaining marriages that ended, for which the end status is unknown, is assigned to RwMEND. At subsequent interviews, any marriage end between interviews where the ending status is unknown increases the count. If a respondent's marital status changes from married or separated to an unknown but definitely unmarried status the count of unknown marriage ends is incremented. If a respondent is married to a different spouse than at the previous interview and doesn't report an end of marriage event, the unknown marriage end count is also incremented. 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.

A respondent is asked about past marriages only at the first interview. In Wave 1, there are data on 3 past and the current marriage. If the first interview is Wave 2H or 3H, or for the Ahead sample, Wave 3A, there are data on at most 2 marriages. If the first interview is Wave 2A, there is information on at most one marriage. For new interviewees in Waves 4, 5 and from Wave 7 forward, there are data on at most 4 marriages. For new interviewees at Wave 6, there are data on at most 3 marriages. This was corrected to collect information on four in Wave 7.

Please note that if a respondent reports that he/she has more than four marriages in most waves, more than two in Waves 2H, 3H, and 3A, or more than one in Wave 2A, how some of those marriages ended will not be known.

Spouse's SwMEND is taken from the Wave 'w' spouse's RwMEND variable. It is set to .U if R is unmarried or unpartnered or .V if R'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 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 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 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 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 R 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 R has more than one marriage. If R 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 R 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

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:

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
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
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

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
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
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

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
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

Length of current marriage

Wave	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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MCURLN	10211	27.47	11.10	0.0	53.2
R2MCURLN	13549	34.50	14.65	0.1	77.0
R3MCURLN	12215	35.50	14.69	0.0	75.3
R4MCURLN	14233	35.16	14.97	0.0	74.4
R5MCURLN	12716	36.00	15.13	0.0	75.2
R6MCURLN	11423	36.98	15.37	0.0	74.7
R7MCURLN	12776	34.85	16.02	0.0	76.2
R8MCURLN	11459	36.00	16.31	0.0	76.2
R9MCURLN	10428	36.83	16.46	0.0	78.4
R10MCURLN	9022	38.00	16.61	0.1	75.3
S1MCURLN	9556	27.51	11.08	0.0	53.2
S2MCURLN	12707	34.60	14.57	0.1	77.0
S3MCURLN	11598	35.75	14.55	0.0	75.3
S4MCURLN	13464	35.37	14.90	0.0	74.4
S5MCURLN	12232	36.18	15.01	0.0	75.2
S6MCURLN	11045	37.17	15.25	0.0	74.7
S7MCURLN	12207	35.20	15.90	0.0	76.2
S8MCURLN	10995	36.29	16.19	0.0	73.5
S9MCURLN	9930	37.21	16.29	0.0	72.7
S10MCURLN	8532	38.42	16.41	0.1	75.3

How Constructed:

RwMCURLN, the length of the current marriage in years, is 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 R begins a new marriage, the current marriage begin date is reset to reflect this.

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.

There are missing dates for the first marriage and for marital events between interviews. 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.

If R 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. If R is unmarried RwMCURLN is missing. Separations are treated as continuing marriages.

Spouse's length of current marriage variable SwMCURLN is taken from the wave 'w' spouse's RwMCURLN variable. It is set to .U if R is unmarried or unpartnered or .V if R'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 is corrected in Version D, but analysts using this variable may want to re-examine results based on it in earlier versions.

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, 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 R 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 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 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 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 are not collected for new respondents who are 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 R reports more than four marriages, then all information about at least some marriages will be completely missing. The begin 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 of 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 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 R 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 R 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 marriages that can be reported, so all known marriages are inquired about. In Wave 6, because of a question skip problem, the fourth marriage information was not collected. The month and year that the current marriage began is missing for all new married new interviewees. The month and year of the fourth marriage is missing for those with four marriages.

HRS Variables Used

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-MO
V231	A10D:LAST MARR BEGIN-YR
V232	A10E:LAST MARR END-MO
V233	A10E:LAST MARR END-YEAR

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

B161 A11f. LIVE TGHR: YRS MARRIED MOST RECENT
 B163 A11h. DIV/WID: YEARS MARRIED MOST RECENT
 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?
 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
 D678 A22.FIRST MAR-YR BEGIN
 D679 A22A. FIRST MAR-MO BEGIN
 D681 A22C.FIRST MAR-YRS MARRIED
 D682 A23.RECENT MAR-YR BEGIN
 D683 A23A. RECENT MAR-MO BEGIN
 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
 E678 A22.FIRST MAR-YR BEGIN
 E679 A22A.FIRST MAR-MO BEGIN
 E681 A22C.FIRST MAR-YRS MARRIED
 E682 A23.RECENT MAR-YR BEGIN
 E683 A23A.RECENT MAR-MO BEGIN
 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
F1085	A48.RECENT MAR-YR BEGIN
F1087	A48B.RECENT MAR-END DIV/WID
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
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
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
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
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
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

Length of longest marriage (including current)

Wave	Variable	Label	Type
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	33.02	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	33.47	17.12	0.0	78.3
R9MLEN	17217	34.07	17.35	0.0	78.4

R10MLEN	15372	34.64	17.65	0.0	80.8
S1MLEN	9900	28.51	9.58	0.0	53.2
S2MLEN	13088	34.85	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	36.69	13.87	0.0	75.2
S6MLEN	11639	37.56	14.18	0.0	74.7
S7MLEN	12972	35.50	15.03	0.0	76.2
S8MLEN	11735	36.56	15.32	0.0	73.5
S9MLEN	10646	37.41	15.45	0.0	72.7
S10MLEN	9241	38.25	15.83	0.0	75.3
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	15372	0.07	0.30	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	0.27	0.0	5.0
S9MLENM	10646	0.06	0.27	0.0	4.0
S10MLENM	9241	0.05	0.25	0.0	4.0

How Constructed:

RwMLEN is assigned by looking at marital histories, marital events, and marriage status. Data are not collected on all marriages: up to four previous marriages if R enters the HRS in waves 1, 4, 5, or 7 forward, up to three previous marriages if R enters the study in wave 6, or up to two previous marriages if R enters in waves 2H or 3. If the first interview is Wave 2A, there is information on at most one previous marriage. If R 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.

There are also abundant missing dates in the marriage history data. RwMLENM counts the number of marriages for which the length is unknown. For marital events between interviews, there is about a two 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.

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.

RwMLEN is the maximum length of R's marriages up to wave 'w'. If R is married (or separated) at the wave, the length of the current marriage is calculated as the time from the begin date to the interview end date. Separations are treated as continuing marriages.

Spouse's length of longest marriage variables SwMLEN and SwMLENM are taken from the wave 'w' spouse's RwMLEN and RwMLENM variables. They is set to .U if R is unmarried or unpartnered or .V if R'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 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 R 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 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 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 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 are not collected for new respondents who are married. From Wave 7 forward, this problem appears to be corrected, so that respondents are asked about up to four marriages, including the current one.

In Wave 1, there is no maximum for the number of marriages the respondent can report. If R reports more than four marriages, then all information about at least some marriages will be completely missing. The begin 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 4 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 of 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 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 R 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 R 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 marriages that can be reported, so all known marriages are inquired about. In Wave 6, because of a question skip problem, the fourth marriage information was not collected. The month and year that the current marriage began is missing for all new married new interviewees. The month and year of the fourth marriage is missing for those with four marriages.

HRS Variables Used

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-MO
V231	A10D:LAST MARR BEGIN-YR
V232	A10E:LAST MARR END-MO
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
V248	A14:MAR3:DVRCD/WDOWD/OTH

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

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

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
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
 HB070_1 FIRST MARRIAGE-YEARS MARRIAGE
 HB070_2 SECOND MARRIAGE-YEARS MARRIAGE
 HB070_3 THIRD MARRIAGE-YEARS MARRIAGE
 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
 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
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
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
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

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

Tracker:

AALIVE	1992 VITAL STATUS
AIWTYPE	1992 INTERVIEW TYPE
APPN	1992 SPOUSE-PARTNER PERSON NUMBER
CALIVE	1994 VITAL STATUS
CIWTYPE	1994 INTERVIEW TYPE
CPN	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

Religion

Wave	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RARELIG	30559	1.56	0.91	1.0	5.0
S1RELIG	10100	1.49	0.81	1.0	5.0
S2RELIG	13409	1.51	0.85	1.0	5.0
S3RELIG	12143	1.51	0.85	1.0	5.0
S4RELIG	14299	1.53	0.87	1.0	5.0
S5RELIG	12907	1.53	0.87	1.0	5.0
S6RELIG	11736	1.53	0.88	1.0	5.0
S7RELIG	13152	1.58	0.92	1.0	5.0
S8RELIG	11889	1.57	0.92	1.0	5.0
S9RELIG	10838	1.58	0.93	1.0	5.0
S10RELIG	9470	1.60	0.95	1.0	5.0

Categorical Variable Codes

Value-----	RARELIG	S1RELIG	S2RELIG	S3RELIG	S4RELIG	S5RELIG	S6RELIG	S7RELIG	S8RELIG	S9RELIG	S10RELIG
.D=DK	26	5	3	4	8	7	7	11	9	11	8
.M=Oth missing	69	14	49	41	35	35	35	33	34	29	25
.R=RF	17	1	1	2	2	1	4	7	5	5	5
.U=Unmar		2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		160	210	143	171	91	77	149	115	128	164
1.Protestant	19225	6522	8616	7810	9122	8194	7443	8109	7380	6704	5830
2.Catholic	8253	2845	3638	3280	3897	3549	3240	3680	3291	3003	2617
3.Jewish	737	185	378	352	360	312	264	284	250	226	181
4.None/no pref	1934	468	636	567	759	700	649	936	841	778	705
5.Other	410	80	141	134	161	152	140	143	127	127	137

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 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

Veteran status

Wave	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAVETRN	30626	0.23	0.42	0.0	1.0
S1VETRN	10118	0.29	0.45	0.0	1.0
S2VETRN	13428	0.29	0.45	0.0	1.0
S3VETRN	12163	0.29	0.46	0.0	1.0
S4VETRN	14325	0.29	0.46	0.0	1.0
S5VETRN	12927	0.29	0.46	0.0	1.0
S6VETRN	11761	0.29	0.45	0.0	1.0
S7VETRN	13185	0.26	0.44	0.0	1.0
S8VETRN	11918	0.26	0.44	0.0	1.0
S9VETRN	10869	0.26	0.44	0.0	1.0
S10VETRN	9493	0.25	0.44	0.0	1.0

Categorical Variable Codes

Value-----	RAVETRN	S1VETRN	S2VETRN	S3VETRN	S4VETRN	S5VETRN	S6VETRN	S7VETRN	S8VETRN	S9VETRN	S10VETRN
.D=DK/NA	4				1	2	2	1	1	1	1
.M=Oth missing	39	4	36	29	23	20	18	16	17	12	13
.R=RF	2				1	1	1	1	1	1	1
0.no	23491	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
1.yes	7135	157	208	141	166	91	77	149	115	128	164
		7181	9501	8585	10102	9137	8339	9720	8813	8059	7079
		2937	3927	3578	4223	3790	3422	3465	3105	2810	2414

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 R_wVETRN 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

Place of birth

Wave	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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RABPLACE	30633	5.20	2.87	1.0	11.0
S1BPLACE	10121	5.25	2.85	1.0	11.0
S2BPLACE	13434	5.13	2.85	1.0	11.0
S3BPLACE	12167	5.14	2.85	1.0	11.0
S4BPLACE	14336	5.10	2.83	1.0	11.0
S5BPLACE	12939	5.12	2.85	1.0	11.0
S6BPLACE	11768	5.14	2.86	1.0	11.0
S7BPLACE	13189	5.23	2.94	1.0	11.0
S8BPLACE	11921	5.21	2.92	1.0	11.0
S9BPLACE	10871	5.24	2.95	1.0	11.0
S10BPLACE	9495	5.23	2.95	1.0	11.0
RABPLACF	30671	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	14452	0.01	0.09	0.0	3.0
S5BPLACF	13005	0.01	0.10	0.0	3.0
S6BPLACF	11821	0.00	0.08	0.0	3.0
S7BPLACF	13302	0.01	0.08	0.0	3.0
S8BPLACF	11998	0.01	0.08	0.0	3.0
S9BPLACF	10948	0.00	0.08	0.0	3.0
S10BPLACF	9583	0.00	0.07	0.0	2.0

Categorical Variable Codes

Value-----	RABPLACE
.M=Oth missing	38
1. New England	1366
2. Mid Atlantic	4383
3. EN Central	5218
4. WN Central	2945
5. S Atlantic	4998
6. ES Central	2627
7. WS Central	3188
8. Mountain	964
9. Pacific	1603
10.US/NA Division	84
11.Not US/inc US terr	3257

Value-----	S1BPLACE	S2BPLACE	S3BPLACE	S4BPLACE	S5BPLACE	S6BPLACE	S7BPLACE	S8BPLACE	S9BPLACE	S10BPLACE
.M=Oth missing	1	33	26	21	18	16	15	17	12	13
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	157	205	140	158	84	75	148	114	128	164
1. New England	408	584	517	653	598	516	602	546	495	434
2. Mid Atlantic	1424	2026	1845	2116	1905	1699	1800	1649	1463	1252
3. EN Central	1612	2308	2113	2544	2302	2142	2490	2261	2098	1873
4. WN Central	1005	1385	1279	1531	1401	1280	1401	1285	1164	1043
5. S Atlantic	1712	2079	1835	2184	1925	1724	1861	1617	1476	1277
6. ES Central	985	1176	1045	1171	1034	943	989	899	798	694
7. WS Central	1033	1385	1248	1455	1327	1198	1225	1161	1030	864
8. Mountain	335	436	406	482	434	397	481	431	398	350
9. Pacific	494	668	623	811	717	679	832	764	706	627
10.US/NA Division	10	34	28	30	24	19	27	21	19	11
11.Not US/inc US terr	1103	1353	1228	1359	1272	1171	1481	1287	1224	1070

Value-----	RABPLACF
0.No Discrepancy	30551
1.Trk=US/RABPLACE=outside U	115
2.Trk=not US/RABPLACE=US	3
3.Trk=miss/RABPLACE=valid c	2

Value-----	S1BPLACF	S2BPLACF	S3BPLACF	S4BPLACF	S5BPLACF	S6BPLACF	S7BPLACF	S8BPLACF	S9BPLACF	S10BPLACF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	63	36	38	50	54	63	89
0.No Discrepancy	10209	13549	12209	14392	12947	11769	13237	11943	10897	9539
1.Trk=US/RABPLACE=outside U	67	54	57	51	48	48	61	52	49	43
2.Trk=not US/RABPLACE=US	2	2	1	1	1	1	1	1	1	1
3.Trk=miss/RABPLACE=valid c	1	3	2	8	9	3	3	2	1	

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 R 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 R 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 R 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 R 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 R 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). The Tracker file also carries a variable based on whether R 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
LB003M	STATE BORN - MASKED
HRS 2010:	
MB002	BORN IN US
MB003M	STATE BORN - MASKED
Tracker:	
USBORN	BORN IN THE U.S.
Region:	
REGIONB	REGION OF BIRTH

Parental mortality: Mother Alive

Wave	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
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

Descriptive Statistics

Variable	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	15099	0.15	0.36	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	14019	0.26	0.44	0.0	1.0
S5MOMLIV	12444	0.23	0.42	0.0	1.0
S6MOMLIV	11143	0.21	0.41	0.0	1.0
S7MOMLIV	12517	0.26	0.44	0.0	1.0
S8MOMLIV	11245	0.23	0.42	0.0	1.0
S9MOMLIV	10174	0.21	0.41	0.0	1.0
S10MOMLIV	8668	0.19	0.39	0.0	1.0

Categorical Variable Codes

Value-----	R1MOMLIV	R2MOMLIV	R3MOMLIV	R4MOMLIV	R5MOMLIV	R6MOMLIV	R7MOMLIV	R8MOMLIV	R9MOMLIV	R10MOMLIV
.D=DK/NA	26	9	11	15	14	12	19	15	12	12
.M=Oth missing	143	139	209	296	388	360	341	315	290	261
.R=RF			2	7	1	6	1	1		
0.no	7051	14848	13998	16388	15452	14751	15444	14660	14027	12785
1.yes	5432	4646	3771	4678	3724	3036	4324	3478	2888	2314

Value-----	S1MOMLIV	S2MOMLIV	S3MOMLIV	S4MOMLIV	S5MOMLIV	S6MOMLIV	S7MOMLIV	S8MOMLIV	S9MOMLIV	S10MOMLIV
.D=DK/NA	22	7	13	14	12	8	15	8	9	9
.M=Oth missing	138	368	387	475	584	592	602	642	633	610
.R=RF			3	7	1	5		1		
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6205	7010
.V=Sp NR						111	218	156	196	245
0.no	5652	9523	8909	10311	9527	8832	9236	8606	8027	7025
1.yes	4467	3774	3021	3708	2917	2311	3281	2639	2147	1643

How Constructed:

These variables are taken from the Family section. For Waves 1 and 2H, the derivation uses preprocessed variables that assign parent and in-law information to respondents. In Waves 3H, 4, and 5, the derivation uses household-level data, taking into account whether the respondent is the Family Respondent or not. If R 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 R 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.

RwMOMLIV is assigned R's mother's mortality and SwMOMLIV is assigned R's mother-in-law's mortality. If the parent is alive then the derived mortality status is set to 1, if deceased to 0. If the respondent is unmarried, SwMOMLIV is assigned a .U missing value. In waves where respondents only report on their own parents, SwMOMLIV is assigned a .V missing value when the spouse did not provide an interview.

If a parent is reported deceased at an interview and parent mortality is missing at a subsequent interview, the death is carried forward. If a parent is reported alive at an interview and the parent's mortality is missing at a prior interview, the living status 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.

See Section H. Family Structure for other family variables, including Number of Living Parents (RwLIVPAR).

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 R's mother, father, mother-in-law, and father-in-law. The process takes into account whether R 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 R's Family Respondent status.

In Wave 1 the question is: "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 R 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

HRS 1992:
 V8203PM PARS:ALIVE NOW? /Sp-Prtnr Mom
 V8203RM PARS:ALIVE NOW? /Own Mom
 AHEAD 1993:
 B565 D60. MOTHER LIVING
 HRS 1994:
 W8201PM Parent still living? /P Mom
 W8201RM Parent still living? /R Mom
 W950 E: R Mother Alive Now
 W954 E: S/P Mother Alive Now
 W958 EE: R Mother Alive Now
 W960 EE: S/P Mother Alive Now
 AHEAD 1995:
 D1613 D90.MOTHER LIVING
 HRS 1996:
 E1557_1 D90.MOTHER LIVING
 E1557_2 D90.MOTHER-IN-LAW LIVING
 E1557_2A D90.MOTHER-IN-LAW LIVING-CORRECTED
 HRS 1998:
 F1906 D90.MOTHER LIVING
 F2068 D90-2.MOTHER-IN-LAW LIVING
 HRS 2000:
 G2122 D90.MOTHER LIVING
 G2309 D90-2.MOTHER-IN-LAW LIVING
 G658 CS15Y63.SAME SPOUSE AS LAST WAVE
 HRS 2002:
 HF001 MOTHER ALIVE
 HRS 2004:
 JF001 MOTHER ALIVE
 HRS 2006:
 KF001 MOTHER ALIVE
 HRS 2008:
 LF001 MOTHER ALIVE
 HRS 2010:
 MF001 MOTHER ALIVE
 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
 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

Parental mortality: Father Alive

Wave	Variable	Label	Type
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	15185	0.06	0.24	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	12486	0.12	0.33	0.0	1.0
S8DADLIV	11208	0.11	0.31	0.0	1.0
S9DADLIV	10142	0.09	0.29	0.0	1.0
S10DADLIV	8631	0.08	0.27	0.0	1.0

Categorical Variable Codes

Value-----	R1DADLIV	R2DADLIV	R3DADLIV	R4DADLIV	R5DADLIV	R6DADLIV	R7DADLIV	R8DADLIV	R9DADLIV	R10DADLIV
.D=DK/NA	169	58	40	67	45	28	57	46	46	36
.M=Oth missing	172	132	188	323	232	206	198	178	171	150
.R=RF		1	2	6	1	6		1		1
0.no	10019	17642	16393	19112	17800	16765	17923	16740	15797	14279
1.yes	2292	1809	1368	1876	1501	1160	1951	1504	1203	906

Value-----	S1DADLIV	S2DADLIV	S3DADLIV	S4DADLIV	S5DADLIV	S6DADLIV	S7DADLIV	S8DADLIV	S9DADLIV	S10DADLIV
.D=DK/NA	122	42	35	55	36	17	32	26	30	21
.M=Oth missing	168	375	403	553	534	581	609	665	672	667
.R=RF		1	5	9	2	6		1		
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6205	7010
.V=Sp NR						102	225	152	168	213
0.no	8055	11747	10756	12333	11209	10207	10935	10015	9206	7964
1.yes	1934	1507	1134	1565	1260	946	1551	1193	936	667

How Constructed:

These variables are taken from the Family section. For Waves 1 and 2H, the derivation uses preprocessed variables that assign parent and in-law information to respondents. In Waves 3H, 4, and 5, the derivation uses household-level data, taking into account whether the respondent is the Family Respondent or not. If R 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 R 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.

RwDADLIV is assigned R's father's mortality and SwDADLIV is assigned R's father-in-law's mortality. If the parent is alive then the derived mortality status is set to 1, if deceased to 0. If the respondent is unmarried, SwDADLIV is assigned a .U missing value. In waves where respondents only report on their own parents, SwDADLIV is assigned a .V missing value when the spouse did not provide an interview.

If a parent is reported deceased at an interview and parent mortality is missing at a subsequent interview, the death is carried forward. If a parent is reported alive at an interview and the parent's mortality is missing at a prior interview, the living status 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.

See Section H. Family Structure for other family variables, including Number of Living Parents (RwLIVPAR).

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 R's mother, father, mother-in-law, and father-in-law. The process takes into account whether R 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 R's Family Respondent status.

In Wave 1 the question is: "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 R 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

HRS 1992:
 V8203PF PARS:ALIVE NOW? /Sp-Prtnr Dad
 V8203RF PARS:ALIVE NOW? /Own Dad
 AHEAD 1993:
 B576 D62. FATHER LIVING
 HRS 1994:
 W8201PF Parent still living? /P Dad
 W8201RF Parent still living? /R Dad
 W951 E: R Father Alive Now
 W955 E: S/P Father Alive Now
 W959 EE: R Father Alive Now
 W961 EE: S/P Father Alive Now
 AHEAD 1995:
 D1621 D92.FATHER LIVING
 HRS 1996:
 E1566_1 D93.FATHER LIVING
 E1566_2 D93.FATHER-IN-LAW LIVING
 E1566_2A D93.FATHER-IN-LAW LIVING-CORRECTED
 HRS 1998:
 F1916 D93.FATHER LIVING
 F2078 D93-2.FATHER-IN-LAW LIVING
 HRS 2000:
 G2132 D93.FATHER LIVING
 G2319 D93-2.FATHER-IN-LAW LIVING
 HRS 2002:
 HF011 FATHER ALIVE
 HRS 2004:
 JF011 FATHER ALIVE
 HRS 2006:
 KF011 FATHER ALIVE
 HRS 2008:
 LF011 FATHER ALIVE
 HRS 2010:
 MF011 FATHER ALIVE
 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
 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

Parental mortality: Mother's current age or age at death

Wave	Variable	Label	Type
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	14865	76.59	14.91	16.0	113.0
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	13593	74.86	14.35	17.0	113.0
S5MOMAGE	12041	75.21	14.52	17.0	113.0
S6MOMAGE	10799	75.84	14.55	17.0	110.0
S7MOMAGE	12180	75.58	14.07	16.0	113.0
S8MOMAGE	10921	76.20	14.20	16.0	110.0
S9MOMAGE	9872	76.69	14.25	16.0	110.0
S10MOMAGE	8431	77.24	14.34	16.0	110.0

How Constructed:

These variables are taken from the Family section. For Waves 1 and 2H, the derivation uses preprocessed variables that assign parent and in-law information to respondents. In Waves 3H, 4, and 5, the derivation uses household-level data, taking into account whether the respondent is the Family Respondent or not. If R 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 R 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.

RwMOMAGE is assigned R's mother's current age if living or age at death if deceased and SwMOMAGE is assigned R's mother-in-law's current age or age at death. If the respondent is unmarried, SwMOMAGE is assigned a .U missing value. In waves where respondents only report on their own parents, SwMOMAGE is assigned a .V missing value when the spouse did not provide an interview.

If a parent is reported deceased at an interview and parent age is missing at a subsequent interview, the parent age at death is carried forward. If a parent is reported alive at an interview and the parent's age is missing at a prior or subsequent interview at which the parent is alive, the age is carried forward or back with an appropriate adjustment for years. When carrying data forward or back for in-laws, the spouse ids are compared to ensure that the information is for the same spouse.

See Section H. Family Structure for other family variables, including Number of Living Parents (RwLIVPAR).

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 R's mother, father, mother-in-law, and father-in-law. The process takes into account whether R 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 R's Family Respondent status.

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 R 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+).

HRS Variables Used

HRS 1992:

V8203PM	PARS:ALIVE NOW?	/Sp-Prtnr Mom
V8203RM	PARS:ALIVE NOW?	/Own Mom
V8205PM	PARS:AGE	:IMP /Sp-Prtnr Mom
V8205RM	PARS:AGE	:IMP /Own Mom

V8209PM PARS:AGE WHEN DIED :IMP /Sp-Prtnr Mom
 V8209RM PARS:AGE WHEN DIED :IMP /Own Mom
 AHEAD 1993:
 B566 D61a. MOTHER AGE
 B572 D61c. MOTHER AGE DIED
 B573 D61d. MOTHER AGE DIED DK 65+
 B575 D61e. MOTHER AGE DIED DK 85+
 HRS 1994:
 W8201PM Parent still living? /P Mom
 W8201RM Parent still living? /R Mom
 W8202PM Parent age /P Mom
 W8202RM Parent age /R Mom
 W8206PM Parent age at death /P Mom
 W8206RM Parent age at death /R Mom
 W950 E: R Mother Alive Now
 W954 E: S/P Mother Alive Now
 W958 EE: R Mother Alive Now
 W960 EE: S/P Mother Alive Now
 AHEAD 1995:
 D1614 D91A.MOTHER AGE
 D1617 D91D. AGE MOTHER DIED
 HRS 1996:
 E1558_1 D91A.MOTHER AGE
 E1558_2 D91A.MOTHER-IN-LAW AGE
 E1561_1 D92A. AGE MOTHER DIED
 E1561_2 D92A. AGE MOTHER-IN-LAW DIED
 E1666_1 D145_.CKPT PARENTS ALIVE
 E1666_1 D145_.CKPT PARENTS ALIVE
 E1666_2 D145.CKPT PARENTS-IN-LAW ALIVE
 E1666_2 D145.CKPT PARENTS-IN-LAW ALIVE
 HRS 1998:
 F1906 D90.MOTHER LIVING
 F1907 D91A.MOTHER AGE
 F1911 D92A. AGE MOTHER DIED
 F2068 D90-2.MOTHER-IN-LAW LIVING
 F2069 D91A-2.MOTHER-IN-LAW AGE
 F2073 D92A-2. AGE MOTHER-IN-LAW DIED
 HRS 2000:
 G2122 D90.MOTHER LIVING
 G2123 D91A.MOTHER AGE
 G2127 D92A. AGE MOTHER DIED
 G2309 D90-2.MOTHER-IN-LAW LIVING
 G2310 D91A-2.MOTHER-IN-LAW AGE
 G2314 D92A-2. AGE MOTHER-IN-LAW DIED
 HRS 2002:
 HF001 MOTHER ALIVE
 HF002 MOTHERS AGE
 HF006 AGE MOTHER DIED
 HRS 2004:
 JF001 MOTHER ALIVE
 JF002 MOTHERS AGE
 JF006 AGE MOTHER DIED
 HRS 2006:
 KF001 MOTHER ALIVE
 KF002 MOTHERS AGE
 KF006 AGE MOTHER DIED
 HRS 2008:
 LF001 MOTHER ALIVE
 LF002 MOTHERS AGE
 LF006 AGE MOTHER DIED
 HRS 2010:
 MF001 MOTHER ALIVE
 MF002 MOTHERS AGE

MF006 AGE MOTHER 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
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

Parental mortality: Father's current age or age at death

Wave	Variable	Label	Type
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	14675	72.04	14.45	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	12029	71.77	13.96	12.0	110.0
S8DADAGE	10794	72.00	14.05	12.0	110.0
S9DADAGE	9776	72.24	14.22	12.0	110.0
S10DADAGE	8338	72.35	14.29	12.0	110.0

How Constructed:

These variables are taken from the Family section. For Waves 1 and 2H, the derivation uses preprocessed variables that assign parent and in-law information to respondents. In Waves 3H, 4, and 5, the derivation uses household-level data, taking into account whether the respondent is the Family Respondent or not. If R 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 R 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.

RwDADAGE is assigned R's father's current age if living or age at death if deceased and SwDADAGE is assigned R's father-in-law's current age or age at death. If the respondent is unmarried, SwDADAGE is assigned a .U missing value. In waves where respondents only report on their own parents, SwDADAGE is assigned a .V missing value when the spouse did not provide an interview.

If a parent is reported deceased at an interview and parent age is missing at a subsequent interview, the parent age at death is carried forward. If a parent is reported alive at an interview and the parent's age is missing at a prior or subsequent interview at which the parent is alive, the age is carried forward or back with an appropriate adjustment for years. When carrying data forward or back for in-laws, the spouse ids are compared to ensure that the information is for the same spouse.

See Section H. Family Structure for other family variables, including Number of Living Parents (RwLIVPAR).

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 R's mother, father, mother-in-law, and father-in-law. The process takes into account whether R 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 R's Family Respondent status.

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 R 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+).

HRS Variables Used

HRS 1992:

V8203PF	PARS:ALIVE NOW?	/Sp-Prtnr Dad
V8203RF	PARS:ALIVE NOW?	/Own Dad
V8205PF	PARS:AGE	:IMP /Sp-Prtnr Dad
V8205RF	PARS:AGE	:IMP /Own Dad

V8209PF PARS:AGE WHEN DIED :IMP /Sp-Prtnr Dad
V8209RF PARS:AGE WHEN DIED :IMP /Own Dad
AHEAD 1993:
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
W8201RF Parent still living? /R Dad
W8202PF Parent age /P Dad
W8202RF Parent age /R Dad
W8206PF Parent age at death /P Dad
W8206RF Parent age at death /R Dad
W951 E: R Father Alive Now
W955 E: S/P Father Alive Now
W959 EE: R Father Alive Now
W961 EE: S/P Father Alive Now
AHEAD 1995:
D1622 D93A.FATHER AGE
D1629 D93C.FATHER AGE DIED
HRS 1996:
E1567_1 D94A.FATHER AGE
E1567_2 D94A.FATHER-IN-LAW AGE
E1570_1 D95A.FATHER AGE DIED
E1570_2 D95A.FATHER-IN-LAW AGE DIED
E1666_1 D145_.CKPT PARENTS ALIVE
E1666_1 D145_.CKPT PARENTS ALIVE
E1666_2 D145.CKPT PARENTS-IN-LAW ALIVE
E1666_2 D145.CKPT PARENTS-IN-LAW ALIVE
HRS 1998:
F1916 D93.FATHER LIVING
F1917 D94A.FATHER AGE
F1921 D95A.FATHER AGE 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:
G2132 D93.FATHER LIVING
G2133 D94A.FATHER AGE
G2137 D95A.FATHER AGE DIED
G2319 D93-2.FATHER-IN-LAW LIVING
G2319 D93-2.FATHER-IN-LAW LIVING
G2324 D95A-2.FATHER-IN-LAW AGE DIED
HRS 2002:
HF011 FATHER ALIVE
HF012 FATHER AGE
HF016 AGE FATHER DIED
HRS 2004:
JF011 FATHER ALIVE
JF012 FATHER AGE
JF016 AGE FATHER DIED
HRS 2006:
KF011 FATHER ALIVE
KF012 FATHER AGE
KF016 AGE FATHER DIED
HRS 2008:
LF011 FATHER ALIVE
LF012 FATHER AGE
LF016 AGE FATHER DIED
HRS 2010:
MF011 FATHER ALIVE
MF012 FATHER AGE

MF016 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
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

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
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

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	15362	2.89	1.09	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	9239	2.78	1.07	1.0	5.0

Categorical Variable Codes

Value-----	R1SHLT	R2SHLT	R3SHLT	R4SHLT	R5SHLT	R6SHLT	R7SHLT	R8SHLT	R9SHLT	R10SHLT
.D=DK/NA		8	3	6	7	8	13	23	11	10
.M=Oth missing			2					1		
.R=RF		2	2		1	3	4	1	3	
1. Excellent	2807	2982	2664	2633	2473	2049	2363	2032	1550	1363
2. Very good	3481	5241	5078	5467	5652	5080	5476	5261	4881	4635
3. Good	3544	5812	5262	6541	5903	5739	6280	5623	5514	4924

4. Fair	1807	3660	3325	4400	3681	3616	4135	3874	3625	3139
5. Poor	1013	1937	1655	2337	1862	1670	1858	1654	1633	1301
Value-----	S1SHLT	S2SHLT	S3SHLT	S4SHLT	S5SHLT	S6SHLT	S7SHLT	S8SHLT	S9SHLT	S10SHLT
.D=DK/NA		3	2	5	4	2	7	12	5	2
.M=Oth missing			2							
.R=RF		1					3		1	
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1. Excellent	2293	2166	1926	1871	1769	1498	1718	1502	1076	922
2. Very good	2848	3819	3618	3887	3984	3580	3857	3627	3276	3090
3. Good	2809	3844	3487	4360	3842	3700	4080	3612	3516	2953
4. Fair	1287	2225	1990	2606	2147	2037	2339	2144	1978	1629
5. Poor	663	1030	890	1249	984	822	968	838	794	645

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 that missing values for don't know, refused, and other missings are recoded to .D, .R, and .M, respectively.

RwSHLT and SwSHLT are used in 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

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
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
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
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

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	15221	3.18	0.59	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	9105	3.16	0.58	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	15372	0.84	1.26	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	9241	0.84	1.38	0.0	9.0

Categorical Variable Codes

Value-----	R1HLTC	R2HLTC	R3HLTC	R4HLTC	R5HLTC	R6HLTC	R7HLTC	R8HLTC	R9HLTC	R10HLTC
.D=DK/NA		7	4	7	8	12	10	16	20	15
.M=Oth missing	1		2	3	5	6	5	7		8
.P=No prv IW			196	5090	265	226	3471	207	143	124
.R=RF		4	3		1	1	1	3	1	4
1. Much better	714	1558	824	642	802	686				
2. Somewhat better	1276	1008	1040	895	1060	905	1675	1887	1712	1505
3. Same	9072	13236	11620	10169	12438	11343	10195	11364	10640	9415
4. Somewhat worse	1248	1634	3120	3281	3718	3715	4772	4985	4701	4301
5. Much worse	341	2195	1182	1297	1282	1271				
Value-----	S1HLTC	S2HLTC	S3HLTC	S4HLTC	S5HLTC	S6HLTC	S7HLTC	S8HLTC	S9HLTC	S10HLTC
.D=DK/NA		5	1	3	3	7	5	5	10	3
.M=Oth missing	1		2	3	4	6	5	6		8
.P=No prv IW			175	3503	247	209	2484	198	139	122
.R=RF		3	2			1	1	1	1	3
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1. Much better	544	870	524	411	517	441				
2. Somewhat better	1011	765	713	576	677	585	1043	1197	1051	911
3. Same	7234	9176	7900	6831	8301	7579	6707	7500	6861	5835
4. Somewhat worse	895	1172	1955	1966	2312	2199	2727	2828	2584	2359
5. Much worse	215	1097	643	685	669	612				
Value-----		R3HLTCF	R4HLTCF	R5HLTCF	R6HLTCF	R7HLTCF	R8HLTCF	R9HLTCF	R10HLTCF	
0.No missing		17776	16278	19288	17909	10195	11364	10640	9415	
1.F1=.,filled frm F2		1								
2.F2=.,set to somewhat		9	6	12	11	6447	6872	6413	5806	
9.Both missing		205	5100	279	245	3487	233	164	151	
Value-----		S3HLTCF	S4HLTCF	S5HLTCF	S6HLTCF	S7HLTCF	S8HLTCF	S9HLTCF	S10HLTCF	
.U=Unmar		5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR		418	537	311	220	380	317	365	431	
0.No missing		11733	10468	12469	11409	6707	7500	6861	5835	
1.F1=.,filled frm F2		1								
2.F2=.,set to somewhat		1	1	7	7	3770	4025	3635	3270	
9.Both missing		180	3509	254	223	2495	210	150	136	

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 reveals 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 R 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 R to compare his/her health to that of 1 year ago. The question asks R 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 R to compare his/her health to that of 2 years ago or 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 R to compare his/her health to that of 1 years 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 R to compare his/her health to that at the last interview. It is asked in two parts. The first question asks R if health is better, about the same or worse since the last interview. If R responds better, a followup question asks whether it is much better or somewhat better. Similarly if R 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 R is asked only if health is better, about the same or worse since the last interview.

HRS Variables Used

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
HRS 2006:	
KC002	COMPARE HEALTH TO PREVIOUS WAVE
HRS 2008:	
LC002	COMPARE HEALTH TO PREVIOUS WAVE
HRS 2010:	
MC002	COMPARE HEALTH TO PREVIOUS WAVE

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
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
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
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
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
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

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	10933	0.20	0.40	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	18122	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	15299	0.31	0.46	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	8292	0.19	0.39	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	9206	0.28	0.45	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	10925	0.34	0.97	0.0	20.0
R4HSPTIM	21321	0.48	1.29	0.0	51.0
R5HSPTIM	19522	0.45	1.45	0.0	120.0
R6HSPTIM	18078	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	15255	0.62	1.64	0.0	75.0
S1HSPTIM	9888	0.17	0.66	0.0	21.0
S2HSPTIM	13078	0.32	1.45	0.0	96.0
S3HSPTIM	8287	0.31	0.90	0.0	20.0
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	9188	0.54	1.62	0.0	75.0
R1HSPNIT	12626	1.22	7.36	0.0	182.0
R2HSPNIT	19645	2.14	10.39	0.0	350.0
R3HSPNIT	10905	1.72	8.22	0.0	300.0
R4HSPNIT	21261	2.60	12.18	0.0	970.0
R5HSPNIT	19466	2.41	10.86	0.0	730.0
R6HSPNIT	17999	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	15185	2.63	10.30	0.0	400.0
S1HSPNIT	9881	1.06	6.50	0.0	182.0
S2HSPNIT	13065	1.85	9.32	0.0	300.0
S3HSPNIT	8275	1.54	7.18	0.0	300.0
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	9164	2.28	9.81	0.0	365.0

Categorical Variable Codes

Value-----	R1HOSP	R2HOSP	R3HOSP	R4HOSP	R5HOSP	R6HOSP	R7HOSP	R8HOSP	R9HOSP	R10HOSP
.D=DK/NA	3	8	9	16	15	23	34	18	29	29
.M=Oth missing	9	1	20	20	20	15	21	16	17	33
.Q=Not asked this wave			7027							
.R=RF		1	2	3	3	6	8	4	5	11
0.no	11197	15830	8798	15720	14513	13109	14803	13371	12306	10578
1.yes	1443	3977	2135	5625	5028	5013	5263	5060	4860	4721
Value-----	S1HOSP	S2HOSP	S3HOSP	S4HOSP	S5HOSP	S6HOSP	S7HOSP	S8HOSP	S9HOSP	S10HOSP
.D=DK/NA	2	5	6	2	8	6	9	4	10	17
.M=Oth missing	7	1	8	6	5	5	4	3	4	9
.Q=Not asked this wave			3704							
.R=RF		1			1	4	6	1	3	9
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	323	537	311	220	380	317	365	431
0.no	8817	10829	6733	10616	9800	8754	9911	8808	7914	6614
1.yes	1074	2452	1559	3354	2916	2870	3042	2919	2715	2592

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 R was present for the wave in question.

SwHOSP, SwHSPNIT, 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 (FinR) 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 FinR'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. 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 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 FinR yield HH-level data, and those asked of all respondents yield respondent-level data. Note that when both levels are available the FinR'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

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

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

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
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
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
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
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
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
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
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
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
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
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
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

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
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

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	11205	0.03	0.17	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	15317	0.06	0.24	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	8362	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	9222	0.03	0.18	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	10935	0.01	0.13	0.0	5.0
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	17163	0.07	0.57	0.0	56.0
R10NRSTIM	15273	0.08	0.56	0.0	50.0
S1NRSTIM	9878	0.00	0.03	0.0	1.0
S2NRSTIM	13085	0.00	0.07	0.0	3.0
S3NRSTIM	8293	0.01	0.12	0.0	5.0
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	9212	0.05	0.61	0.0	50.0
R1NRSNIT	12623	0.10	4.91	0.0	365.0
R2NRSNIT	19805	0.40	8.79	0.0	510.0
R3NRSNIT	10969	3.89	52.91	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	17146	13.07	90.59	0.0	1614.0
R10NRSNIT	15270	17.45	122.17	0.0	5325.0
S1NRSNIT	9878	0.10	5.15	0.0	365.0
S2NRSNIT	13082	0.17	5.44	0.0	360.0
S3NRSNIT	8311	2.56	44.07	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	9212	5.22	54.91	0.0	1034.0
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	18166	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	15372	0.03	0.17	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	9241	0.01	0.11	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	441	2007.79	3.83	1963.0	2011.0
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	106	2008.91	1.69	2000.0	2011.0
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	402	7.02	3.36	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	104	6.85	3.56	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	441	539.01	352.44	15.0	1765.0
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	106	412.17	304.33	15.0	1034.0

Categorical Variable Codes

Value-----	R1NRSHOM	R2NRSHOM	R3NRSHOM	R4NRSHOM	R5NRSHOM	R6NRSHOM	R7NRSHOM	R8NRSHOM	R9NRSHOM	R10NRSHOM
.D=DK/NA	7		1		1	6	3	4	8	13
.M=Oth missing	22	1	6783	18	17	16	18	16	16	32
.R=RF		1	2	4	1	7	7	4	5	10
0.no	12609	19665	10866	20651	18836	17303	19306	17580	16318	14346
1.yes	14	150	339	711	724	834	795	865	870	971

Value-----	S1NRSHOM	S2NRSHOM	S3NRSHOM	S4NRSHOM	S5NRSHOM	S6NRSHOM	S7NRSHOM	S8NRSHOM	S9NRSHOM	S10NRSHOM
.D=DK/NA	6					3	1	1	4	3
.M=Oth missing	16	1	3553	6	5	5	4	3	4	9
.R=RF		1				4	5	2	3	7
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	418	537	311	220	380	317	365	431
0.no	9868	13185	8258	13776	12522	11384	12750	11464	10399	8908
1.yes	10	101	104	196	203	243	212	265	236	314

Value-----	R3NHMLIV	R4NHMLIV	R5NHMLIV	R6NHMLIV	R7NHMLIV	R8NHMLIV	R9NHMLIV	R10NHMLIV	
0.no	17693	20955	19122	17706	19669	18031	16776	14910	
1.yes		298	429	457	460	460	438	441	462

Value-----	S3NHMLIV	S4NHMLIV	S5NHMLIV	S6NHMLIV	S7NHMLIV	S8NHMLIV	S9NHMLIV	S10NHMLIV
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.no	11834	13891	12635	11557	12892	11652	10570	9135
1.yes	81	87	95	82	80	83	76	106

How Constructed:

RwNRSHOM indicates whether the respondent reports any overnight nursing home 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 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 R 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 R 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 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 R 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 FinR and spouse, and of all individual respondents as well. When both levels of information are available the FinR'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. 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 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 FinR yield HH-level data, and those asked of all respondents yield respondent-level data. Note that when both levels are available the FinR'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

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
 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
 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

Tracker:
GNURSHM 2000 NURSING HOME STATUS
HNURSHM 2002 NURSING HOME STATUS
JNURSHM 2004 NURSING HOME STATUS

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
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
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
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

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	10764	0.91	0.28	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	18144	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

R1DOCTOR	15325	0.92	0.27	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	8187	0.92	0.27	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	9223	0.93	0.26	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	10764	8.41	15.38	0.0	500.0
R4DOCTIM	20920	10.17	18.52	0.0	730.0
R5DOCTIM	19052	9.86	16.21	0.0	500.0
R6DOCTIM	17452	10.78	20.36	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	14519	11.89	25.41	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	8187	8.06	14.94	0.0	450.0
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	8879	11.41	23.33	0.0	900.0

Categorical Variable Codes

Value-----	R1DOCTOR	R2DOCTOR	R3DOCTOR	R4DOCTOR	R5DOCTOR	R6DOCTOR	R7DOCTOR	R8DOCTOR	R9DOCTOR	R10DOCTOR
.D=DK/NA	41	250	159	433	37	2	9	2	2	4
.M=Oth missing	17	2	36	20	20	15	21	22	18	34
.Q=Not asked this wave			7027							
.R=RF		10	5	11	6	5	7	5	6	9
0.no	2625	2100	931	1418	1137	1059	1269	954	917	1215
1.yes	9969	17455	9833	19502	18379	17085	18823	17486	16274	14110
Value-----	S1DOCTOR	S2DOCTOR	S3DOCTOR	S4DOCTOR	S5DOCTOR	S6DOCTOR	S7DOCTOR	S8DOCTOR	S9DOCTOR	S10DOCTOR
.D=DK/NA	29	99	100	174	8		4			2
.M=Oth missing	12		18	6	5	5	4	5	5	9
.Q=Not asked this wave			3704							
.R=RF		5	1	6	3	3	5	2	4	7
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	323	537	311	220	380	317	365	431
0.no	2066	1581	672	922	715	666	792	609	570	676
1.yes	7793	11603	7515	12870	11999	10965	12167	11119	10067	8547

How Constructed:

RwDOCTOR indicates whether the respondent reports any doctor visit 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 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. RwdDOCTOR 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 R 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 R falls into any of these brackets except 0-5 times (.J), then RwdDOCTOR is set to yes (=1). If R says no to seeing a doctor at least once, RwdOCTIM is set to zero and RwdDOCTOR 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. 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 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 FinR yield HH-level data, and those asked of all respondents yield respondent-level data. Note that when both levels are available the FinR'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 Wave 1, 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 R 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

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

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

Medical care utilization: Home Care
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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
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

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	10904	0.03	0.18	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	17946	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	15200	0.11	0.31	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	8280	0.03	0.17	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	9207	0.08	0.27	0.0	1.0

Categorical Variable Codes

Value-----	R1HOMCAR	R2HOMCAR	R3HOMCAR	R4HOMCAR	R5HOMCAR	R6HOMCAR	R7HOMCAR	R8HOMCAR	R9HOMCAR	R10HOMCAR
.D=DK/NA	3	2	2		5	13	9	10	10	8
.M=Missing	14	52	25	20	42	21	23	18	19	35
.N=In NHM			30	429	457	180	149	148	142	121
.Q=Not asked this wv			7027							
.R=RF		1	3	2	2	6	10	5	5	8
0.No	12487	18632	10531	19350	17770	16632	18577	16817	15553	13597

	148	1130	373	1583	1303	1314	1361	1471	1488	1603
1.Yes										
Value-----	S1HOMCAR	S2HOMCAR	S3HOMCAR	S4HOMCAR	S5HOMCAR	S6HOMCAR	S7HOMCAR	S8HOMCAR	S9HOMCAR	S10HOMCAR
.D=DK/NA	3				3	4	1	2	1	3
.M=Missing	11	24	10	6	12	6	5	3	5	9
.N=In NHM			15	87	95	29	22	16	18	17
.Q=Not asked this wv			3704							
.R=RF			1		1	3	7	3	2	5
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	406	323	537	311	220	380	317	365	431
0.No	9795	12807	8030	13109	11982	10964	12308	11014	9943	8499
1.Yes	91	435	250	776	637	633	629	697	677	708

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 R 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, R 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 Financial respondent answer 'himself/herself' or 'both' then R2HOMCAR 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 FinR yield HH-level data, and those asked of all respondents yield respondent-level data. Note that when both levels are available the FinR'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

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
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

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
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
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
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
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2DRUGS	19792	0.70	0.46	0.0	1.0
R3DRUGS	10938	0.63	0.48	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	18148	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	15348	0.85	0.35	0.0	1.0
S2DRUGS	13274	0.67	0.47	0.0	1.0
S3DRUGS	8298	0.62	0.48	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	9230	0.85	0.36	0.0	1.0
R2OUTPT	8217	0.14	0.34	0.0	1.0
R3OUTPT	10926	0.16	0.37	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	18121	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	15277	0.22	0.42	0.0	1.0
S2OUTPT	4548	0.14	0.35	0.0	1.0
S3OUTPT	8292	0.16	0.37	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	9202	0.23	0.42	0.0	1.0
R2DENTST	8216	0.45	0.50	0.0	1.0
R3DENTST	10933	0.65	0.48	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	18102	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	15302	0.64	0.48	0.0	1.0
S2DENTST	4546	0.50	0.50	0.0	1.0
S3DENTST	8293	0.67	0.47	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	9215	0.69	0.46	0.0	1.0
R2SPCFAC	8168	0.08	0.27	0.0	1.0
R3SPCFAC	10901	0.04	0.21	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	18127	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	15302	0.18	0.39	0.0	1.0
S2SPCFAC	4503	0.04	0.21	0.0	1.0
S3SPCFAC	8278	0.04	0.20	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	9216	0.17	0.37	0.0	1.0

Categorical Variable Codes

Value-----	R2DRUGS	R3DRUGS	R4DRUGS	R5DRUGS	R6DRUGS	R7DRUGS	R8DRUGS	R9DRUGS	R10DRUGS
.D=DK/NA	19	3	9	7	5	4	4	4	2
.M=Oth missing	4	21	21	22	7	22	9	8	17
.Q=Not asked this wave		7027							
.R=RF	2	2	3	3	6	11	5	6	5
0.no	5970	4076	5801	4378	3459	4196	3330	2766	2226
1.yes	13822	6862	15550	15169	14689	15896	15121	14433	13122
Value-----	S2DRUGS	S3DRUGS	S4DRUGS	S5DRUGS	S6DRUGS	S7DRUGS	S8DRUGS	S9DRUGS	S10DRUGS
.D=DK/NA	9		4	2		1	1	1	1
.M=Oth missing	4	8	6	5	2	5	3	1	6
.Q=Not asked this wave		3704							
.R=RF	1		1	1	3	9	4	5	4
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	323	537	311	220	380	317	365	431
0.no	4418	3126	4021	3003	2365	2903	2295	1849	1430
1.yes	8856	5172	9946	9719	9269	10054	9432	8790	7800
Value-----	R2OUTPT	R3OUTPT	R4OUTPT	R5OUTPT	R6OUTPT	R7OUTPT	R8OUTPT	R9OUTPT	R10OUTPT

.D=DK/NA	4	14	11	11	23	23	24	39	51
.M=Oth missing	1	22	20	22	15	21	17	17	34
.Q=Not asked this wave	11420	7027							
.R=RF		2	4	4	7	9	3	6	10
0.no	7086	9191	17334	16044	14452	15946	14490	13586	11880
1.yes	1131	1735	4015	3498	3669	4130	3935	3569	3397
Value-----	S2OUTPT	S3OUTPT	S4OUTPT	S5OUTPT	S6OUTPT	S7OUTPT	S8OUTPT	S9OUTPT	S10OUTPT
.D=DK/NA		5	8	5	12	12	14	21	22
.M=Oth missing	1	9	6	5	5	4	3	4	9
.Q=Not asked this wave	9123	3704							
.R=RF				2	4	7	2	4	8
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		323	537	311	220	380	317	365	431
0.no	3893	6931	11287	10348	9175	10200	9153	8362	7072
1.yes	655	1361	2677	2370	2443	2749	2563	2255	2130
Value-----	R2DENTST	R3DENTST	R4DENTST	R5DENTST	R6DENTST	R7DENTST	R8DENTST	R9DENTST	R10DENTST
.D=DK/NA	5	9	22	23	39	35	35	28	24
.M=Oth missing	1	21	20	22	15	21	17	19	34
.Q=Not asked this wave	11420	7027							
.R=RF		1	2	2	10	9	6	6	12
0.no	4518	3866	8134	7583	7343	7497	6890	6428	5509
1.yes	3698	7067	13206	11949	10759	12567	11521	10736	9793
Value-----	S2DENTST	S3DENTST	S4DENTST	S5DENTST	S6DENTST	S7DENTST	S8DENTST	S9DENTST	S10DENTST
.D=DK/NA	2	5	9	10	13	14	14	14	8
.M=Oth missing	1	8	6	5	5	4	3	5	9
.Q=Not asked this wave	9123	3704							
.R=RF				1	6	5	2	3	9
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		323	537	311	220	380	317	365	431
0.no	2290	2729	4623	4259	4085	4164	3805	3426	2884
1.yes	2256	5564	9340	8455	7530	8785	7911	7198	6331
Value-----	R2SPCFAC	R3SPCFAC	R4SPCFAC	R5SPCFAC	R6SPCFAC	R7SPCFAC	R8SPCFAC	R9SPCFAC	R10SPCFAC
.D=DK/NA	1	5		3	15	14	19	20	22
.M=Oth missing	52	55	449	499	15	22	18	19	36
.Q=Not asked this wave	11420	7027							
.R=RF	1	3	3	1	9	9	8	9	12
0.no	7520	10414	19449	17788	16707	18391	16674	15546	12524
1.yes	648	487	1483	1288	1420	1693	1750	1623	2778
Value-----	S2SPCFAC	S3SPCFAC	S4SPCFAC	S5SPCFAC	S6SPCFAC	S7SPCFAC	S8SPCFAC	S9SPCFAC	S10SPCFAC
.D=DK/NA		2		1	7	3	3	5	10
.M=Oth missing	24	25	93	107	5	5	3	5	9
.Q=Not asked this wave	9123	3704							
.R=RF		1			4	4	3	4	6
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	22	323	537	311	220	380	317	365	431
0.no	4304	7931	13067	11958	10850	12065	10804	9804	7661
1.yes	199	347	818	664	773	895	922	828	1555

How Constructed:

RwOUTPT, RwDENTST, RwSPCFAC and RwDRUGS, indicate whether the respondent reports outpatient surgery, dental visits, use of special facilities or services, or regular use of prescription drugs during the reference period. In Wave 2A the reference period is 12 months; 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 FinR'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 Financial respondent answer 'himself/herself' or 'both' then R2SPCFAC set to 1 for yes.

In Wave 2A, the S2DRUGS, S2OUTPT, S2DENTST 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., 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 FinR yield HH-level data, and those asked of all respondents yield respondent-level data. Note that when both levels are available the FinR'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 R 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

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
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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
MN175 TAKE RX DRUGS REGULARLY
MN202 USED OTHER HEALTH SVC- PREV IW/2 YRS

Medical expenditures: Out of Pocket and Total
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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
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
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
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
2	H2OOPMA	H2OOPMA:W2 HH OOP MedExp for all,prv 12 mos	Cont
2	H2OOPMAF	H2OOPMAF:W2 HH OOP imputed for all	Categ
1	R1TOTMD	R1TOTMD:W1 Tot. med expenses, prv 12 mos	Cont
2	R2TOTMD	R2TOTMD:W2 Tot. Mexexp, prv 1-,2-yr(A,H)	Cont
3	R3TOTMD	R3TOTMD:W3 Total med expenses, prv 2 yrs	Cont
4	R4TOTMD	R4TOTMD:W4 Total med expenses, prv 2 yrs	Cont
5	R5TOTMD	R5TOTMD:W5 Total med expenses, prv 2 yrs	Cont

6	R6TOTMD	R6TOTMD:W6	Total med expenses, prv 2 yrs	Cont
1	S1TOTMD	S1TOTMD:W1	Tot. med expenses, prv 12 mos	Cont
2	S2TOTMD	S2TOTMD:W2	Tot. Mexexp, prv 1-,2-yr(A,H)	Cont
3	S3TOTMD	S3TOTMD:W3	Total med expenses, prv 2 yrs	Cont
4	S4TOTMD	S4TOTMD:W4	Total med expenses, prv 2 yrs	Cont
5	S5TOTMD	S5TOTMD:W5	Total med expenses, prv 2 yrs	Cont
6	S6TOTMD	S6TOTMD:W6	Total med expenses, prv 2 yrs	Cont
1	R1TOTMDF	R1TOTMDF:W1	Total med imputed	Categ
2	R2TOTMDF	R2TOTMDF:W2	Total med imputed	Categ
3	R3TOTMDF	R3TOTMDF:W3	Total med imputed	Categ
4	R4TOTMDF	R4TOTMDF:W4	Total med imputed	Categ
5	R5TOTMDF	R5TOTMDF:W5	Total med imputed	Categ
6	R6TOTMDF	R6TOTMDF:W6	Total med imputed	Categ
1	S1TOTMDF	S1TOTMDF:W1	Total med imputed	Categ
2	S2TOTMDF	S2TOTMDF:W2	Total med imputed	Categ
3	S3TOTMDF	S3TOTMDF:W3	Total med imputed	Categ
4	S4TOTMDF	S4TOTMDF:W4	Total med imputed	Categ
5	S5TOTMDF	S5TOTMDF:W5	Total med imputed	Categ
6	S6TOTMDF	S6TOTMDF:W6	Total med 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	10964	2015.20	6039.52	0.0	255350.0
R4OOPMD	21384	2239.72	6427.63	0.0	203539.2
R5OOPMD	19579	2492.33	6987.83	0.0	230800.0
R6OOPMD	18166	3829.63	14788.09	0.0	1206575.0
R7OOPMD	20129	4478.37	16866.92	0.0	840000.0
R8OOPMD	18469	3583.65	9726.84	0.0	289210.0
R9OOPMD	17217	3463.46	11095.74	0.0	601000.0
R10OOPMD	15372	4028.79	10409.11	0.0	297080.0
S1OOPMD	9900	1320.80	3762.74	0.0	118802.7
S2OOPMD	13288	1226.01	3811.04	0.0	115479.1
S3OOPMD	8306	2019.99	5809.23	0.0	255350.0
S4OOPMD	13978	2028.74	5136.36	0.0	132500.0
S5OOPMD	12730	2199.03	5412.89	0.0	230800.0
S6OOPMD	11639	3412.29	14228.24	0.0	1206575.0
S7OOPMD	12972	4044.08	14632.61	0.0	840000.0
S8OOPMD	11735	3242.68	7835.03	0.0	289210.0
S9OOPMD	10646	3062.05	6677.59	0.0	262200.0
S10OOPMD	9241	3759.74	7718.08	0.0	164400.0
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	10964	0.20	0.40	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	18166	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	0.20	0.40	0.0	1.0
R10OOPMDF	15372	0.20	0.40	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	8306	0.20	0.40	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	0.19	0.39	0.0	1.0
S10OOPMDF	9241	0.18	0.39	0.0	1.0
H2OOPMA	8222	1031.26	2719.79	0.0	60400.0
H2OOPMAF	8222	0.23	0.42	0.0	1.0
R1TOTMD	12652	5492.55	19803.94	0.0	487034.8
R2TOTMD	19817	7124.29	25532.90	0.0	882559.2
R3TOTMD	17916	8617.32	30135.68	0.0	1000000.0
R4TOTMD	21384	11111.34	34022.09	0.0	1036858.6
R5TOTMD	19579	13493.00	41875.31	0.0	1134490.3
R6TOTMD	18166	21411.29	62839.08	0.0	1242371.2
S1TOTMD	9900	5249.40	17926.25	0.0	478850.1
S2TOTMD	13088	6611.18	24130.84	0.0	733645.8
S3TOTMD	11849	8458.93	29023.47	0.0	1000000.0
S4TOTMD	13978	10050.33	30391.28	0.0	1036858.6
S5TOTMD	12730	11748.09	34611.04	0.0	761517.2
S6TOTMD	11639	19054.18	58025.74	0.0	997824.9

R1TOTMDF	12652	1.00	0.00	1.0	1.0
R2TOTMDF	19817	1.00	0.00	1.0	1.0
R3TOTMDF	10964	0.48	0.50	0.0	1.0
R4TOTMDF	21384	0.82	0.38	0.0	1.0
R5TOTMDF	19579	0.81	0.39	0.0	1.0
R6TOTMDF	18166	0.82	0.38	0.0	1.0
S1TOTMDF	9900	1.00	0.00	1.0	1.0
S2TOTMDF	13088	1.00	0.00	1.0	1.0
S3TOTMDF	8306	0.47	0.50	0.0	1.0
S4TOTMDF	13978	0.83	0.38	0.0	1.0
S5TOTMDF	12730	0.82	0.39	0.0	1.0
S6TOTMDF	11639	0.82	0.38	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	17748	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	17748	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	17748	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	R8OOPMDF	R9OOPMDF	R10OOPMDF
.Q=Not asked this wv	7027									
0.Not imputed		3945	8799	17601	16486	13965	16097	14537	13819	12304
1.Imputed	12652	13266	2165	3783	3093	4201	4032	3932	3398	3068
2.Couple allocation		2606								
Value-----	S1OOPMDF	S2OOPMDF	S3OOPMDF	S4OOPMDF	S5OOPMDF	S6OOPMDF	S7OOPMDF	S8OOPMDF	S9OOPMDF	S10OOPMDF
.Q=Not asked this wv	3704									

.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	323	537	311	220	380	317	365	431
0.Not imputed		1026	6629	11539	10736	9019	10421	9277	8660	7534
1.Imputed	9900	9658	1677	2439	1994	2620	2551	2458	1986	1707
2.Couple allocation		2604								

Value-----	H2OOPMAF
.Q=Not asked this wv	11420
0.Not imputed	6300
1.Imputed	1922

Value-----	R1TOTMDF	R2TOTMDF	R3TOTMDF	R4TOTMDF	R5TOTMDF	R6TOTMDF
.Q=Not asked this wv			7027			
0.Not imputed			5677	3804	3700	3231
1.Imputed	12652	19817	5287	17580	15879	14935

Value-----	S1TOTMDF	S2TOTMDF	S3TOTMDF	S4TOTMDF	S5TOTMDF	S6TOTMDF
.Q=Not asked this wv			3704			
.U=Unmar	2373	5970	5658	6869	6538	6306
.V=Sp NR	379	584	323	537	311	220
0.Not imputed			4442	2411	2311	2062
1.Imputed	9900	13088	3864	11567	10419	9577

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	3689
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=Unmar	5658	6869	6538	6306
.V=Sp 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	4529

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=Unmar	5658	6869	6538	6306
.V=Sp 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	14032
1.Imputed	785	2382	2184	3716

Value-----	S3TOTMBF	S4TOTMBF	S5TOTMBF	S6TOTMBF
.N=No utilization	396	368	293	252
.U=Unmar	5658	6869	6538	6306
.V=Sp 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=Unmar	6417
.V=Sp 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 is the total out of pocket medical expenditure 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. 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, RwtOTMBI provides the same, but with incomplete brackets imputed, and

RwtOTMD is total medical expenditures in the same period, a continuous value that is imputed if missing. RwtOOPMDF, RwtOTMBF, and RwtOTMDF indicate whether RwtOOPMD, RwtOTMBI, and RwtOTMD are imputed. RwtOTMB, RwtOTMBI, and RwtOTMBF are available from Wave 3 to Wave 6.

SwOOPMD, SwOOPMDF, SwTOTMB, SwTOTMBI, SwTOTMBF, SwTOTMD, and SwTOTMDF are this information for the respondent's spouse or partner.

Note that in versions after Version G we plan to drop RwtOTMD and SwTOTMD, except for Wave 3H, the only wave where a continuous value for total medical expenditures was obtained. We will introduce the RwtOTMB, RwtOTMBI, SwTOTMB, and SwTOTMBI variables for Waves 3A, 4, 5, and 6 and will continue to provide these beyond Version G of the RAND HRS.

H2OOPMD, H2OOPMDF, H2OOPMA, H2OOPMAF are the total out of pocket medical expenditure at the HH-level.

Total medical expenditures are imputed for all cases in Waves 1, 2. Out of pocket medical expenditures are imputed for all cases in Waves 1 and 2H.

In Wave 2A, for out of pocket expenses, only Financial respondent was asked about nursing home costs and everything else lumped together (excluding nursing home). For nursing home expenditure, we are able to allocate the expense to either respondent or partner so we can impute this at the individual level. For out of pocket expense excluding nursing home, it is imputed at the HH-level and then allocated to individuals. The HH-level imputed values are included in the file(H2OOPMD), along with the individual level out of pocket expense(R2OOPMD). Also we include an additional variable for total HH-level OOP medical expenses (H2OOPMA) that include all expenses, not just those for which utilization is explicitly asked, i.e., to impute using ownership=1 for all HH, regardless of utilization and insurance coverage. H2OOPMD and H2OOPMA and their imputation flags are set to .Q for Wave 2H.

Beginning in Wave 3, medical expenditures are imputed if missing. In Wave 3A and from Wave 4 to Wave 6, only bracket ranges are available for total medical expenditures, so these are always imputed in RWTOTMD. Total medical expenditures are imputed as one total cost. The bracket information for total medical expenditures from Waves 3A, 4, 5, and 6 is provided as collected in RWTOTMB. In Wave 3H, RWTOTMB is derived using both the continuous value given and, if missing, the unfolding bracket question responses. RWTOTMBI is derived from RWTOTMB with incomplete brackets imputed using the standard imputation methods. Note that total medical expenditures is not asked beginning in Wave 7. In Wave 3A the answer to an unfolding bracket question did not include the "about" amounts that are allowed from Wave 4 forward. So in Wave 3A, the ranges include the upper limit, e.g., 0 to 1000- means \$0 to \$1000 while in later waves it means \$0 to \$999.

For out of pocket expenses, all components are imputed separately. In Wave 3A, 4 and 5, the components 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 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 and (8) special facilities cost.

In Wave 8 only, average monthly prescription drug costs can be reported in three places. 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 in Part D and whose use or cost changed, the average monthly costs for both before and after Part D are reported or imputed. The number of months after Part D to the current interview is estimated using January 2006 as the month Part D begins. Total prescription drug costs for the last two years is derived as the sum of the number of Part D months is multiplied by the post-Part D average monthly costs plus 24 less that number is multiplied by the pre-Part D costs. RWPARTD contains the flag for Medicare Part D status. The RWPARTD variable has the following format: 0=No part D, 1=Part D but no change, 2=Part D and change in use or cost.

Please see the section titled "[Health Care Utilization and Medical Expenditures](#)" earlier in this document for a description of the imputation method.

A number of covariates are used in the imputations including health insurance as derived for this file(RwHIGOV, RwCOVR, RwCOVS).

From Wave 3 forward, the out of pocket components are summed. Prescription drugs, which are reported as a monthly amount, are multiplied by 24 months. All amounts are reported in nominal dollars.

In Wave 2A, the S2OOPMD, S2OOPMDF are 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., 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 2H, medical utilization questions cover the last 2 years or the period since last interview, and other questions ask about total costs, out of pocket and including insurance, of hospitals, nursing homes, and doctors all together.

In Wave 2A, questions ask Financial respondents and individual respondents about medical utilization in the last 12 months, and other questions ask about out of pocket costs for nursing home and everything else lumped together (excluding nursing home). Medical expenditure questions are asked only of the Financial Respondent.

In Waves 3 and forward, medical utilization questions cover the last 2 years or the period since last interview. In Wave 3, 4 and 5, questions ask about out of pocket costs for hospital/nursing home, doctors/dentists/outpatient surgery, prescription drugs per month, and in-home medical care/special facilities, separately.

Beginning in Wave 6, all the questions were asked separately. If the continuous value is not given, then unfolding bracket questions are asked. To impute missing values falling in the highest bracket range for nursing home costs, we used the "nearest neighbor" approach rather than the tobit draw usually used for the open-ended bracket at the top of the distribution (see Amount Imputation in Wealth and Income Imputations for imputation methodology as well as [Health Care Utilization and Medical Expenditures](#)). The tobit model was a particularly poor fit for the data, and we determined that there were no extreme outliers in the distribution of reported continuous values that would be used as the nearest neighbor donor pool.

Beginning in Wave 7, another value (6) is included as an answer to "Were Outpatient Surgery Costs covered by Health Insurance? 1)COMPLETELY COVERED; 2)MOSTLY COVERED; 3)PARTIALLY COVERED; 5)NOT COVERED AT ALL; 6)No charge (professional courtesy, friend or relative provided services; part of a study, free clinic, pro bono); 7)COSTS NOT SETTLED YET".

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.

From Wave 9, all respondents are asked the same questions as in Wave 7.

In Wave 3H, another question asks for total medical expenditures (including costs covered by insurance), and if not given as a continuous value, a series of unfolding bracket questions are asked. In Wave 3A and Waves 4 to 6, total medical expenditures are asked only as unfolding brackets, i.e., no continuous amount is asked. Beginning in Wave 4, the question asks if the amount is more than, less than, or about a given value. In Wave 3A, the question only asked if the amount was more than a given amount.

In Waves 1 and 2, and from Wave 7 forward, there are neither unfolding brackets nor continuous amounts.

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. Please see Medical Care Utilization: Nursing Home for more details on how these items are assessed.

HRS Variables Used

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
 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
 E1821 E21F.PRESCR R PAY \$ DK-5
 E1827 E22.IN-HOME SERV
 E1827 E22.IN-HOME SERV
 E1829 E23. IN-HOME R PAY \$
 E1831 E24.R USE SERVICE
 E1834 E24A.SPECIAL R PAY \$
 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
 E1839 E24F.SPECIAL R PAY \$ DK-5
 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
F2357	E22.IN-HOME SERV
F2359	E23. IN-HOME R PAY \$
F2361	E24.R USE SERVICE
F2361	E24.R USE SERVICE
F2364	E24A.SPECIAL R PAY \$
F2365	E24B.SPECIAL DK-1
F2366	E24C.SPECIAL DK-2
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
 G2634 E22.IN-HOME SERV
 G2636 E23. IN-HOME R PAY \$
 G2638 E24.R USE SERVICE
 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
 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
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
HN202 USED OTHER HEALTH SVC- PREV IW/2 YRS
HN204 ASSIGN HOSPITAL COSTS
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
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
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
JN202 USED OTHER HEALTH SVC- PREV IW/2 YRS
JN204 ASSIGN HOSPITAL COSTS

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
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

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	15233	0.32	0.47	0.0	1.0
R10HLTHLM	14347	0.38	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	8846	0.33	0.47	0.0	1.0

Categorical Variable Codes

Value-----	R1HLTHLM	R2HLTHLM	R3HLTHLM	R4HLTHLM	R5HLTHLM	R6HLTHLM	R7HLTHLM	R8HLTHLM	R9HLTHLM	R10HLTHLM
.D=DK/NA		14	12	53	53	50	48	43	50	103
.M=Oth missing		14	38	53	40	25	12	10	11	13
.Q=Not asked this wave		8222	7027							
.R=RF	28	9	8	27	35	21	14	8	10	22
.W=Not working							1376	2147	1908	878
.Y=Assumed Yes							4864	2	5	9

0.no	9907	8557	8014	14482	13335	12312	11438	11145	10385	8942
1.yes	2717	2826	2892	6769	6116	5757	2377	5114	4848	5405
Value-----	S1HLTHLM	S2HLTHLM	S3HLTHLM	S4HLTHLM	S5HLTHLM	S6HLTHLM	S7HLTHLM	S8HLTHLM	S9HLTHLM	S10HLTHLM
.D=DK/NA		9	9	18	28	29	29	25	23	52
.M=Oth missing		2	11	15	8	16	2	2	2	1
.Q=Not asked this wave		4549	3704							
.R=RF	10	7	4	14	12	9	9	4	4	14
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	323	537	311	220	380	317	365	431
.W=Not working							559	828	722	326
.Y=Assumed Yes							2594		2	2
0.no	7924	6773	6276	10096	9273	8470	8287	7918	7173	5940
1.yes	1966	1948	2006	3835	3409	3115	1492	2958	2720	2906

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 questions was not asked. So for 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, question about health affects or limits 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; 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 Rs 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

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

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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	15363	0.11	0.44	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	9239	0.07	0.38	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	1423	0.51	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	552	0.51	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	8545	0.29	0.46	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	4576	0.22	0.41	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	15363	0.14	0.44	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	9240	0.10	0.36	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	1964	0.59	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	904	0.61	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	15362	0.11	0.39	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	9239	0.07	0.31	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	1504	0.68	0.47	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	558	0.68	0.47	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	15360	0.07	0.42	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	9238	0.04	0.28	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	818	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	307	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	15357	0.09	0.41	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	9237	0.06	0.30	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	1248	0.51	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	523	0.51	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	8537	0.11	0.31	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	4574	0.08	0.26	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	15351	0.10	0.46	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

S9TOILTH	10644	0.05	0.37	0.0	9.0
S10TOILTH	9235	0.06	0.35	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	1237	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	487	0.32	0.47	0.0	1.0

Categorical Variable Codes

Value-----	R3WALKR	R4WALKR	R5WALKR	R6WALKR	R7WALKR	R8WALKR	R9WALKR	R10WALKR
.D=DK/NA	2	1	5	3	1	2	1	3
.R=RF	3		3		1	2	1	1
.S=Skip	36	28	23	7	10	7	9	5
0.No	16607	19789	18021	16630	18562	16922	15719	13942
1.Yes	1159	1338	1317	1336	1361	1327	1310	1317
2.Cant do	165	199	166	156	164	183	142	86
9. Dont do	19	29	44	33	30	26	35	18

Value-----	R1WALKR
1.Not at all diff	12102
2.A little diff	295
3.Somewhat diff	152
4.Very diff/cant do	87
9. Dont 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. Dont do	21

Value-----	S3WALKR	S4WALKR	S5WALKR	S6WALKR	S7WALKR	S8WALKR	S9WALKR	S10WALKR
.D=DK/NA		1	2	1	1			1
.R=RF	1		2		1			
.S=Skip	11	7	5	3	1	1	2	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	11310	13328	12070	11000	12326	11100	10090	8687
1.Yes	504	552	579	571	574	563	500	518
2.Cant do	78	78	61	52	57	65	42	25
9. Dont do	11	12	11	12	12	6	12	9

Value-----	S1WALKR
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	9533
2.A little diff	202
3.Somewhat diff	96
4.Very diff/cant do	55

9. Dont do	14								
Value-----	S2WALKR								
.D=DK/NA	268								
.M=Oth missing	1								
.R=RF	1								
.U=Unmar	5970								
.V=Sp 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. Dont do	12								
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. Dont do	21								
Value-----	R3WALKRH	R4WALKRH	R5WALKRH	R6WALKRH	R7WALKRH	R8WALKRH	R9WALKRH	R10WALKRH	
.D=DK/NA	1		1	1	3	3	1	1	
.M=Oth missing	1								
.R=RF	1		3		1	2		1	
.S=Skip	16646	19817	18044	16637	18572	16929	15728	13947	
.X=Dont do					5				
0.no	770	938	907	870	876	892	841	700	
1.yes	572	629	624	657	669	643	647	723	
2.Cant do					3				
Value-----	S2WALKRH								
.M=Oth missing	1								
.Q=Not asked this wv	9123								
.U=Unmar	5970								
.V=Sp NR	200								
0.No	4121								
1.Yes,occasionally	84								
2.Yes,some of the time	51								
3.Yes,most of the time	80								
9. Dont do	12								
Value-----	S3WALKRH	S4WALKRH	S5WALKRH	S6WALKRH	S7WALKRH	S8WALKRH	S9WALKRH	S10WALKRH	
.D=DK/NA						1		1	
.M=Oth missing	1								
.R=RF	1		2		1				
.S=Skip	11323	13335	12075	11003	12327	11101	10092	8688	
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	418	537	311	220	380	317	365	431	
.X=Dont do					2				
0.no	349	374	380	371	362	362	315	272	
1.yes	241	269	273	265	278	271	239	280	
2.Cant do					2				
Value-----	R2WALKRE	R3WALKRE	R4WALKRE	R5WALKRE	R6WALKRE	R7WALKRE	R8WALKRE	R9WALKRE	R10WALKRE
.D=DK/NA		1	3	2	2		1	1	3
.M=Oth missing	1								
.Q=Not asked this wv	11420								
.R=RF		1		3		1	2		1
.S=Skip		6377	11051	9852	8589	9845	8620	7987	6823
0. No	6733	9614	8007	7379	7107	7693	7276	6716	6039
1. Yes	1467	1998	2323	2343	2467	2590	2570	2513	2506
9. Dont do	21								
Value-----	S2WALKRE	S3WALKRE	S4WALKRE	S5WALKRE	S6WALKRE	S7WALKRE	S8WALKRE	S9WALKRE	S10WALKRE
.D=DK/NA			2		1		1		1
.M=Oth missing	1								
.Q=Not asked this wv	9123								
.R=RF		1		2		1			
.S=Skip		4771	7999	7127	6207	7122	6211	5625	4664
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	200	418	537	311	220	380	317	365	431
0. No	3778	6307	5016	4655	4423	4772	4513	4066	3588

.U=Unmar 5970
 .V=Sp NR 200
 0.No 4036
 1.Yes,occasionally 79
 2.Yes,some of the time 64
 3.Yes,most of the time 161
 9. Dont do 8

Value-----	S3DRESSH	S4DRESSH	S5DRESSH	S6DRESSH	S7DRESSH	S8DRESSH	S9DRESSH	S10DRESSH
.D=DK/NA	1			1	1		1	
.R=RF	1		2		2			
.S=Skip	10960	12862	11667	10708	11992	10720	9764	8337
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.no	433	520	514	403	409	440	402	357
1.yes	520	596	547	527	568	575	479	547

Value-----	R3BATH	R4BATH	R5BATH	R6BATH	R7BATH	R8BATH	R9BATH	R10BATH
.D=DK/NA	3	6	5	4	5	5	1	4
.M=Oth missing	1							
.R=RF	1				2	2		1
.S=Skip	36	28	23	7	10	7	9	5
0.No	16562	19595	17936	16608	18514	16929	15711	13861
1.Yes	1232	1551	1463	1397	1455	1379	1367	1431
2.Cant do	135	178	115	117	113	123	107	59
9. Dont do	21	26	37	32	30	24	22	11

Value-----	R1BATH
1.Not at all diff	12081
2.A little diff	268
3.Somewhat diff	172
4.Very diff/cant do	118
9. Dont 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. Dont do	8

Value-----	S3BATH	S4BATH	S5BATH	S6BATH	S7BATH	S8BATH	S9BATH	S10BATH
.D=DK/NA		2	1	1		2		1
.R=RF	1				2			
.S=Skip	11	7	5	3	1	1	2	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	11336	13243	12087	11048	12352	11141	10107	8682
1.Yes	510	647	585	542	576	544	499	534
2.Cant do	51	71	44	37	31	44	30	19
9. Dont do	6	8	8	8	10	3	8	4

Value-----	S1BATH
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	9555
2.A little diff	166
3.Somewhat diff	101
4.Very diff/cant do	70
9. Dont do	8

Value-----	S2BATH
.D=DK/NA	3
.M=Oth missing	1
.U=Unmar	5970
.V=Sp NR	584
0.No	12651
1.Yes,a little	238
2.Yes,a lot	192
9. Dont do	3

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. Dont do	8								
Value-----		R3BATHH	R4BATHH	R5BATHH	R6BATHH	R7BATHH	R8BATHH	R9BATHH	R10BATHH
.D=DK/NA		2	3	3	1	4	1		1
.R=RF		1				1	2		1
.S=Skip		16598	19623	17959	16615	18524	16936	15720	13866
.X=Dont do						1			
0.no		483	695	576	474	539	529	507	486
1.yes		907	1063	1041	1075	1060	1001	990	1018
Value-----	S2BATHH								
.D=DK/NA	1								
.M=Oth missing	1								
.Q=Not asked this wv	9123								
.U=Unmar	5970								
.V=Sp NR	200								
0.No	4076								
1.Yes,occasionally	33								
2.Yes,some of the time	34								
3.Yes,most of the time	201								
9. Dont do	3								
Value-----		S3BATHH	S4BATHH	S5BATHH	S6BATHH	S7BATHH	S8BATHH	S9BATHH	S10BATHH
.D=DK/NA			1	1					
.R=RF		1				1			
.S=Skip		11347	13250	12092	11051	12353	11142	10109	8683
.U=Unmar		5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		418	537	311	220	380	317	365	431
.X=Dont do						1			
0.no		210	302	242	191	224	208	210	180
1.yes		357	425	395	397	393	385	327	378
Value-----		R3EAT	R4EAT	R5EAT	R6EAT	R7EAT	R8EAT	R9EAT	R10EAT
.D=DK/NA		3	3	1	4	9	3	2	6
.R=RF		1					3		1
.S=Skip		36	28	23	7	10	7	9	5
0.No		17260	20529	18805	17405	19340	17662	16483	14543
1.Yes		607	717	657	663	672	697	651	757
2.Cant do		74	89	63	64	71	69	51	37
9. Dont do		10	18	30	22	27	28	21	23
Value-----	R1EAT								
1.Not at all diff	12529								
2.A little diff	78								
3.Somewhat diff	21								
4.Very diff/cant do	19								
9. Dont 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. Dont do	4								
Value-----		S3EAT	S4EAT	S5EAT	S6EAT	S7EAT	S8EAT	S9EAT	S10EAT
.D=DK/NA			2		2			1	2
.R=RF		1					1		
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar		5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		418	537	311	220	380	317	365	431
0.No		11597	13608	12413	11346	12670	11414	10388	8932
1.Yes		268	315	274	258	271	290	233	286
2.Cant do		33	39	27	22	23	23	13	15
9. Dont do		5	7	11	8	7	6	9	5
Value-----	S1EAT								
.U=Unmar	2373								

.V=Sp NR	379
1.Not at all diff	9819
2.A little diff	50
3.Somewhat diff	13
4.Very diff/cant do	14
9. Dont do	4

Value-----	S2EAT
.D=DK/NA	1
.M=Oth missing	1
.R=RF	1
.U=Unmar	5970
.V=Sp NR	584
0.No	12989
1.Yes,a little	52
2.Yes,a lot	40
4.Yes,RF how much	1
9. Dont do	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. Dont do	4

Value-----	R3EATH	R4EATH	R5EATH	R6EATH	R7EATH	R8EATH	R9EATH	R10EATH
.D=DK/NA	2	1	2	1	3	2	1	5
.M=Oth missing	1							
.R=RF	1					3		1
.S=Skip	17296	20557	18828	17412	19350	17669	16492	14548
0.no	277	334	243	276	289	284	272	379
1.yes	414	492	506	476	487	511	452	439

Value-----	S2EATH
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmar	5970
.V=Sp NR	200
0.No	4195
1.Yes,occasionally	43
2.Yes,some of the time	28
3.Yes,most of the time	79
9. Dont do	3

Value-----	S3EATH	S4EATH	S5EATH	S6EATH	S7EATH	S8EATH	S9EATH	S10EATH
.D=DK/NA		1						1
.M=Oth missing	1							
.R=RF	1					1		
.S=Skip	11608	13615	12418	11349	12671	11415	10390	8933
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.no	125	130	103	102	111	115	103	145
1.yes	180	232	209	188	190	204	153	162

Value-----	R3BED	R4BED	R5BED	R6BED	R7BED	R8BED	R9BED	R10BED
.D=DK/NA	4	4	5	8	5	4	6	9
.R=RF	1					3		1
.S=Skip	36	28	23	7	10	7	9	5
0.No	16599	19783	18150	16840	18773	17080	15949	14113
1.Yes	1250	1436	1284	1185	1222	1248	1148	1178
2.Cant do	92	115	90	97	97	106	87	49
9. Dont do	9	18	27	28	22	21	18	17

Value-----	R1BED
1.Not at all diff	11672
2.A little diff	575
3.Somewhat diff	277
4.Very diff/cant do	118
9. Dont 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. Dont do	11

Value-----	S3BED	S4BED	S5BED	S6BED	S7BED	S8BED	S9BED	S10BED
.D=DK/NA		2	1	3	1	2		3
.R=RF	1					1		
.S=Skip	11	7	5	3	1	1	2	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	11258	13220	12057	11053	12366	11072	10122	8715
1.Yes	603	697	626	542	562	616	492	502
2.Cant do	38	46	32	30	33	34	21	16
9. Dont do	4	6	9	8	9	9	9	4

Value-----	S1BED
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	9235
2.A little diff	403
3.Somewhat diff	179
4.Very diff/cant do	76
9. Dont do	7

Value-----	S2BED
.D=DK/NA	4
.M=Oth missing	1
.R=RF	2
.U=Unmar	5970
.V=Sp 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. Dont do	9

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. Dont do	10

Value-----	R3BEDH	R4BEDH	R5BEDH	R6BEDH	R7BEDH	R8BEDH	R9BEDH	R10BEDH
.D=DK/NA	2	5	4	2	2	2	2	5
.R=RF	1					3		1
.S=Skip	16635	19811	18173	16847	18783	17087	15958	14118
.X=Dont do					1			
0.no	812	951	803	693	698	741	639	608
1.yes	541	617	599	623	645	636	618	640

Value-----	S2BEDH
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmar	5970
.V=Sp NR	200
0.No	4210
1.Yes,occasionally	35
2.Yes,some of the time	18
3.Yes,most of the time	76
9. Dont do	8

Value-----	S3BEDH	S4BEDH	S5BEDH	S6BEDH	S7BEDH	S8BEDH	S9BEDH	S10BEDH
.D=DK/NA		5	1	1		1		2
.R=RF	1					1		
.S=Skip	11269	13227	12062	11056	12367	11073	10124	8716
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700

Value-----	R3TOILTH	R4TOILTH	R5TOILTH	R6TOILTH	R7TOILTH	R8TOILTH	R9TOILTH	R10TOILTH
.D=DK/NA	3	6	4	6	3		3	6
.R=RF	2	1	1		1	4		2
.S=Skip	16922	20043	18323	16969	18900	17122	16014	14127
.X=Dont do					4			
0.no	679	874	813	723	772	897	762	790
1.yes	385	460	438	467	449	446	438	447

Value-----	S2TOILTH
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmar	5970
.V=Sp 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	S8TOILTH	S9TOILTH	S10TOILTH
.D=DK/NA	1	4		3	2			2
.R=RF	1	1			1	2		
.S=Skip	11453	13366	12159	11153	12463	11168	10176	8752
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
.X=Dont do					3			
0.no	297	409	402	304	326	394	325	329
1.yes	163	198	169	179	177	171	145	158

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 R has any difficulty with an ADL and if so, asks followup 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 followup 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 R says yes to the followup 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 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 R 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. So if respondents answered "don't do" on 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 R is not married, spouse variables are set to .U=unmarried. If R'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 2-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?

And 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.

And 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 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 Wave 1 and Wave 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 Wave 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

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
 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
 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
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

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
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
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
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
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
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
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
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
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
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
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
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

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	15356	0.09	0.29	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	9236	0.06	0.24	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	15362	0.13	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	9240	0.10	0.30	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	15360	0.10	0.30	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	9238	0.06	0.24	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	15348	0.05	0.22	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	9235	0.03	0.18	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	15348	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	9235	0.06	0.23	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	15331	0.08	0.27	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	9228	0.05	0.22	0.0	1.0

Categorical Variable Codes

Value-----	R2WALKRA	R3WALKRA	R4WALKRA	R5WALKRA	R6WALKRA	R7WALKRA	R8WALKRA	R9WALKRA	R10WALKRA
.D=DK/NA	353	2	1	3		1	1	1	3
.M=Oth missing	1								
.R=RF	1	2		3		1	2	1	1
.S=Skip		36	28	23	7	10	7	9	5
.X=Dont do	21	18	14	18	15	14	14	13	7
0.No	17954	16607	19789	18021	16630	18562	16922	15719	13942
1.Yes	1312	1326	1552	1511	1513	1541	1523	1474	1414
Value-----	S2WALKRA	S3WALKRA	S4WALKRA	S5WALKRA	S6WALKRA	S7WALKRA	S8WALKRA	S9WALKRA	S10WALKRA
.D=DK/NA	268		1	1		1			1
.M=Oth missing	1								
.R=RF	1	1		2		1			
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	12	11	5	2	4	3	2	5	3
0.No	12215	11310	13328	12070	11000	12326	11100	10090	8687
1.Yes	591	582	637	650	632	640	632	549	549
Value-----	R2DRESSA	R3DRESSA	R4DRESSA	R5DRESSA	R6DRESSA	R7DRESSA	R8DRESSA	R9DRESSA	R10DRESSA
.D=DK/NA	2	2		3	4	3	5		2
.M=Oth missing	1	1							
.R=RF		1		1		1	2		1
.S=Skip		36	28	23	7	10	7	9	5
.X=Dont do	11	13	4	1	2	1	2	4	2
0.No	18574	16068	19160	17458	16216	18104	16398	15269	13401
1.Yes	1054	1870	2192	2093	1936	2010	2055	1935	1961
Value-----	S2DRESSA	S3DRESSA	S4DRESSA	S5DRESSA	S6DRESSA	S7DRESSA	S8DRESSA	S9DRESSA	S10DRESSA
.D=DK/NA				1	1			1	
.M=Oth missing	1								
.R=RF		1		1		1			
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	8	7	3	1			1	1	
0.No	12603	10949	12855	11662	10705	11991	10719	9762	8336
1.Yes	476	947	1113	1060	930	979	1013	881	904
Value-----	R2BATHA	R3BATHA	R4BATHA	R5BATHA	R6BATHA	R7BATHA	R8BATHA	R9BATHA	R10BATHA
.D=DK/NA	6	3	3	4	1	4	2	1	3
.M=Oth missing	1	1							
.R=RF		1				2	2		1
.S=Skip		36	28	23	7	10	7	9	5
.X=Dont do	8	20	3	6	6	6	7	5	3
0.No	18642	16562	19595	17936	16608	18514	16929	15711	13861
1.Yes	985	1368	1755	1610	1543	1593	1522	1491	1499
Value-----	S2BATHA	S3BATHA	S4BATHA	S5BATHA	S6BATHA	S7BATHA	S8BATHA	S9BATHA	S10BATHA
.D=DK/NA	3		1	1			1		
.M=Oth missing	1								
.R=RF		1				2			
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	3	6		1	1	1	1	2	2
0.No	12651	11336	13243	12087	11048	12352	11141	10107	8682
1.Yes	430	561	727	636	587	616	591	535	556
Value-----	R2EATA	R3EATA	R4EATA	R5EATA	R6EATA	R7EATA	R8EATA	R9EATA	R10EATA
.D=DK/NA	1	2	2	1	3	8	2	2	4
.M=Oth missing	1								
.R=RF	1	1					3		1
.S=Skip		36	28	23	7	10	7	9	5
.X=Dont do	4	9	9	7	11	13	12	9	14
0.No	19410	17260	20529	18805	17405	19340	17662	16483	14543
1.Yes	225	683	816	743	739	758	783	714	805
Value-----	S2EATA	S3EATA	S4EATA	S5EATA	S6EATA	S7EATA	S8EATA	S9EATA	S10EATA
.D=DK/NA	1		2		2				1
.M=Oth missing	1								
.R=RF	1	1					1		
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700

.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	3	4	3	3	3	3	3	3	4
0.No	12989	11597	13608	12413	11346	12670	11414	10388	8932
1.Yes	93	302	358	309	285	298	316	252	303
Value-----	R2BEDA	R3BEDA	R4BEDA	R5BEDA	R6BEDA	R7BEDA	R8BEDA	R9BEDA	R10BEDA
.D=DK/NA	7	3	4	4	2	2	3	2	5
.M=Oth missing	1								
.R=RF	2	1					3		1
.S=Skip		36	28	23	7	10	7	9	5
.X=Dont do	11	9	8	5	19	13	11	13	13
0.No	18622	16599	19783	18150	16840	18773	17080	15949	14113
1.Yes	999	1343	1561	1397	1297	1331	1365	1244	1235
Value-----	S2BEDA	S3BEDA	S4BEDA	S5BEDA	S6BEDA	S7BEDA	S8BEDA	S9BEDA	S10BEDA
.D=DK/NA	4		2	1	1		1		1
.M=Oth missing	1								
.R=RF	2	1					1		
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	9	4	3	1	4	7	7	5	4
0.No	12557	11258	13220	12057	11053	12366	11072	10122	8715
1.Yes	515	641	746	666	578	598	653	517	520
Value-----	R2TOILTA	R3TOILTA	R4TOILTA	R5TOILTA	R6TOILTA	R7TOILTA	R8TOILTA	R9TOILTA	R10TOILTA
.D=DK/NA	2	2	6	7	5	4	2	3	12
.M=Oth missing	1								
.Q=Not asked this wv	11420								
.R=RF	1	1	1		1	1	4		2
.S=Skip		36	28	23	7	10	7	9	5
.X=Dont do		15	15	16	24	31	28	29	22
0.No	7925	16886	20015	18300	16962	18890	17115	16005	14122
1.Yes	293	1051	1319	1233	1166	1193	1313	1171	1209
Value-----	S2TOILTA	S3TOILTA	S4TOILTA	S5TOILTA	S6TOILTA	S7TOILTA	S8TOILTA	S9TOILTA	S10TOILTA
.D=DK/NA	1		2		3	1	1		3
.M=Oth missing	1								
.Q=Not asked this wv	9123								
.R=RF		1	1		1	1	2		1
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	200	418	537	311	220	380	317	365	431
.X=Dont do		6	7	6	5	11	9	6	8
0.No	4243	11442	13359	12154	11150	12462	11167	10174	8751
1.Yes	104	455	602	565	477	496	555	464	477

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 Wave 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 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 R is not married, spouse variables are set to `.U=unmarried`. If R'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 codes 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 `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 2-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?

And 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.

And 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 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 Wave 1 and 2H questions about using the toilet are not asked, so for Wave 2H, R2TOILTA is set to .Q.

HRS Variables Used

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
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
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
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

Activities of daily living (ADLs): Recodes for comparison to Wallace and Herzog
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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=Dont do	16
0.No	12102
1.Yes	534

Value-----	S1WALKRW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	14
0.No	9533
1.Yes	353

Value-----	R1DRESSW
.X=Dont do	7
0.No	12278
1.Yes	367
Value-----	S1DRESSW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	5
0.No	9655
1.Yes	240
Value-----	R1BATHW
.X=Dont do	13
0.No	12081
1.Yes	558
Value-----	S1BATHW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	8
0.No	9555
1.Yes	337
Value-----	R1EATW
.X=Dont do	5
0.No	12529
1.Yes	118
Value-----	S1EATW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	4
0.No	9819
1.Yes	77
Value-----	R1BEDW
.X=Dont do	10
0.No	11672
1.Yes	970
Value-----	S1BEDW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont 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 R_wWALKR_w variable is set to 0 for no difficulty.

The spouse variables are taken from the spouse's self-reported Wave 1 data. If R is not married, spouse variables are set to .U=unmarried. If R'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 (R_wWALKR, R_wDRESS, R_wEAT, R_wBED, R_wBATH) 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

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
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
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
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
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
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
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
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
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
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
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
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
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	15338	0.93	2.50	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	9231	0.57	1.95	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	15361	0.11	0.60	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	9236	0.08	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	15354	0.41	1.61	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	9235	0.44	1.79	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	15179	0.07	0.42	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	9146	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	15360	0.36	1.37	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	9237	0.27	1.26	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	15357	0.41	1.62	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	9236	0.37	1.63	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-----	R3MAP	R4MAP	R5MAP	R6MAP	R7MAP	R8MAP	R9MAP	R10MAP
.D=DK/NA	8	18	14	18	10	15	14	24
.R=RF	4	6	3		6	3	3	4
.S=Skip	36	28	24	7	10	7	9	6
0.No	12656	16175	14614	13596	15287	14013	13038	11855
1.Yes	2198	1599	1393	1437	1504	1546	1480	1865
2.Cant do	568	745	782	724	742	699	576	314
9. Dont do	2521	2813	2749	2383	2570	2186	2097	1304

Value-----	R1MAP
1.Not at all diff	8225
2.A little diff	1997
3.Somewhat diff	957
4.Very diff/cant do	1009
9. Dont 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. Dont do	98

Value-----	S3MAP	S4MAP	S5MAP	S6MAP	S7MAP	S8MAP	S9MAP	S10MAP
.D=DK/NA	3	6	5	10	4	7	7	6
.R=RF	2	1	1		4	3	1	3
.S=Skip	11	7	5	3	1	1	2	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	9224	11466	10334	9533	10712	9673	8835	7735
1.Yes	1348	909	779	827	829	810	775	914
2.Cant do	263	360	380	308	348	316	251	128
9. Dont do	1064	1229	1226	958	1074	925	775	454

Value-----	S1MAP
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	6644
2.A little diff	1543
3.Somewhat diff	747
4.Very diff/cant do	686
9. Dont do	280

Value-----	S2MAP
.D=DK/NA	12
.Q=Not asked this wv	4549
.R=RF	2
.U=Unmar	5970
.V=Sp 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. Dont do	54

Value-----	R1CALC
1.Not at all diff	9979
2.A little diff	664
3.Somewhat diff	257
4.Very diff/cant do	354
9. Dont 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. Dont do	346

Value-----	S1CALC
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	7973
2.A little diff	522
3.Somewhat diff	190
4.Very diff/cant do	238
9. Dont do	977

Value-----	S2CALC
.D=DK/NA	16
.Q=Not asked this wv	4549
.R=RF	3
.U=Unmar	5970
.V=Sp NR	384
0.No	7807
1.Yes,a little	320
2.Yes,a lot	348
3.Yes,DK/NA how much	2
9. Dont do	243

Value-----	R1MCWV
1.Not at all diff	10797
2.A little diff	840
3.Somewhat diff	259
4.Very diff/cant do	199
9. Dont do	557

Value-----	S1MCWV
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	8560
2.A little diff	677
3.Somewhat diff	192
4.Very diff/cant do	133
9. Dont do	338

Value-----	R1COMP
1.Not at all diff	4059
2.A little diff	1183
3.Somewhat diff	853
4.Very diff/cant do	1239
9. Dont do	5318

Value-----	S1COMP
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	3218
2.A little diff	976
3.Somewhat diff	683
4.Very diff/cant do	944
9. Dont do	4079

Value-----	R3PHONE	R4PHONE	R5PHONE	R6PHONE	R7PHONE	R8PHONE	R9PHONE	R10PHONE
.D=DK/NA	1	4	2	1	4	3	5	3
.R=RF	3	3	2		6	2	1	2
.S=Skip	36	28	24	7	10	7	9	6
0.No	16925	20118	18419	17019	18978	17372	16137	14239
1.Yes	642	775	682	726	693	658	692	872
2.Cant do	281	341	325	315	331	344	282	201
9. Dont do	103	115	125	97	107	83	91	49

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. Dont do	13								
Value-----		S3PHONE	S4PHONE	S5PHONE	S6PHONE	S7PHONE	S8PHONE	S9PHONE	S10PHONE
.D=DK/NA			1			1		4	3
.R=RF		2		1		4	1	1	1
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar		5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		418	537	311	220	380	317	365	431
0.No		11389	13355	12192	11141	12477	11243	10189	8770
1.Yes		327	405	336	339	321	317	313	379
2.Cant do		133	148	125	112	114	126	89	66
9. Dont do		53	62	71	44	54	47	48	21
Value-----		S2PHONE							
.Q=Not asked this wv		4549							
.R=RF		3							
.U=Unmar		5970							
.V=Sp 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. Dont do		9							
Value-----		R2PHONER							
.D=DK/NA		2							
.M=Oth missing		1							
.Q=Not asked this wv		11420							
0.Able to do without help		7745							
1.Unable to do without help		375							
2.Cant do		63							
9. Dont do		36							
Value-----		S2PHONER							
.M=Oth missing		1							
.Q=Not asked this wv		9123							
.U=Unmar		5970							
.V=Sp NR		200							
0.Able to do without help		4122							
1.Unable to do without help		170							
2.Cant do		40							
9. Dont do		16							
Value-----		R3MONEY	R4MONEY	R5MONEY	R6MONEY	R7MONEY	R8MONEY	R9MONEY	R10MONEY
.D=DK/NA		1	3	4	3	4	3	3	8
.M=Oth missing		1							
.R=RF		3	4	2	3	8	3	2	4
.S=Skip		36	28	25	7	10	7	9	6
0.No		16166	19305	17562	16196	17980	16377	15225	13413
1.Yes		713	849	790	800	768	789	736	989
2.Cant do		534	576	579	576	625	592	612	461
9. Dont do		537	619	617	580	734	698	630	491
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. Dont do		43							
Value-----		S3MONEY	S4MONEY	S5MONEY	S6MONEY	S7MONEY	S8MONEY	S9MONEY	S10MONEY
.D=DK/NA			1	2	2	1	1	1	4
.M=Oth missing		1							
.R=RF		2		1	3	4	2	2	1
.S=Skip		11	7	6	3	1	1	2	1
.U=Unmar		5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		418	537	311	220	380	317	365	431
0.No		10938	12906	11700	10667	11840	10666	9692	8316
1.Yes		268	355	288	280	317	281	256	373
2.Cant do		243	223	229	220	226	230	210	172
9. Dont do		452	486	504	464	583	554	483	374

Value-----
 .D=DK/NA
 .Q=Not asked this wv
 .R=RF
 .U=Unmar
 .V=Sp NR
 0.No
 1.Yes,a little
 2.Yes,a lot
 3.Yes,DK/NA how much
 4.Yes,RF how much
 9. Dont do

S2MONEY
 2
 4549
 2
 5970
 384
 8319
 261
 114
 1
 3
 37

Value-----
 .D=DK/NA
 .M=Oth missing
 .Q=Not asked this wv
 .R=RF
 0.Able to do without help
 1.Unable to do without help
 9. Dont do

R2MONEYR
 2
 4
 11420
 2
 6758
 734
 722

Value-----
 .D=DK/NA
 .M=Oth missing
 .Q=Not asked this wv
 .R=RF
 .U=Unmar
 .V=Sp NR
 0.Able to do without help
 1.Unable to do without help
 9. Dont do

S2MONEYR
 2
 2
 9123
 1
 5970
 200
 3522
 302
 520

Value-----
 .D=DK/NA
 .R=RF
 .S=Skip
 .Z=Dont do/No if did
 0.No
 1.Yes
 2.Cant do
 9. Dont do

	R3MEDS	R4MEDS	R5MEDS	R6MEDS	R7MEDS	R8MEDS	R9MEDS	R10MEDS
.D=DK/NA	1	6	2	6	6	2		3
.R=RF	4	4	2		4	3	1	3
.S=Skip	36	28	24	7	36	7	9	6
.Z=Dont do/No if did		1278	1005	376	387	251	195	181
0.No	16009	19211	17733	16962	18829	17322	16149	14340
1.Yes	585	715	672	723	771	786	783	775
2.Cant do	113	106	117	84	82	89	71	42
9. Dont do	1243	36	24	7	14	9	9	22

Value-----
 .D=DK/NA
 .Q=Not asked this wv
 .R=RF
 0.No
 1.Yes,a little
 2.Yes,a lot
 4.Yes,RF how much
 9. Dont do

R2MEDS
 4
 8222
 2
 10963
 200
 130
 12
 109

Value-----
 .D=DK/NA
 .R=RF
 .S=Skip
 .U=Unmar
 .V=Sp NR
 .Z=Dont do/No if did
 0.No
 1.Yes
 2.Cant do
 9. Dont do

	S3MEDS	S4MEDS	S5MEDS	S6MEDS	S7MEDS	S8MEDS	S9MEDS	S10MEDS
.D=DK/NA		3			2			
.R=RF	2		1		2	2	1	2
.S=Skip	11	7	5	3	10	1	2	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
.Z=Dont do/No if did		831	672	222	217	142	97	92
0.No	10738	12730	11701	11077	12370	11212	10197	8807
1.Yes	277	337	305	300	336	344	326	310
2.Cant do	50	47	33	34	26	28	18	17
9. Dont do	837	23	13	3	9	6	5	12

Value-----
 .D=DK/NA
 .Q=Not asked this wv
 .R=RF
 .U=Unmar
 .V=Sp NR
 0.No
 1.Yes,a little
 2.Yes,a lot
 4.Yes,RF how much

S2MEDS
 4
 4549
 2
 5970
 384
 8420
 137
 89
 10

9. Dont do	77								
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.Cant do	24								
9. Dont do	109								
Value-----	S2MEDSR								
.M=Oth missing	1								
.Q=Not asked this wv	9123								
.U=Unmar	5970								
.V=Sp NR	200								
0.Able to do without help	4129								
1.Unable to do without help	171								
2.Cant do	12								
9. Dont do	36								
Value-----	R3SHOP	R4SHOP	R5SHOP	R6SHOP	R7SHOP	R8SHOP	R9SHOP	R10SHOP	
.D=DK/NA	2		2	1	4	1	1	4	
.R=RF	3	6	2		6	3	1	2	
.S=Skip	36	28	24	7	45	7	9	6	
0.No	15421	18465	16827	15568	17375	15820	14828	13164	
1.Yes	1024	1220	1141	1052	1107	1186	1036	1256	
2.Cant do	867	941	859	887	907	857	818	608	
9. Dont do	638	724	724	650	685	595	524	332	
Value-----	S3SHOP	S4SHOP	S5SHOP	S6SHOP	S7SHOP	S8SHOP	S9SHOP	S10SHOP	
.D=DK/NA				1	2		1	2	
.R=RF	2	1	1		4	2	1	1	
.S=Skip	11	7	5	3	10	1	2	1	
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	418	537	311	220	380	317	365	431	
0.No	10630	12565	11385	10457	11663	10487	9602	8306	
1.Yes	489	562	536	441	515	571	462	568	
2.Cant do	318	361	315	312	306	285	263	191	
9. Dont do	465	482	488	425	472	389	315	172	
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.Cant do	277								
9. Dont do	228								
Value-----	S2SHOPR								
.D=DK/NA	1								
.M=Oth missing	1								
.Q=Not asked this wv	9123								
.U=Unmar	5970								
.V=Sp NR	200								
0.Able to do without help	3662								
1.Unable to do without help	442								
2.Cant do	105								
9. Dont do	138								
Value-----	R3MEALS	R4MEALS	R5MEALS	R6MEALS	R7MEALS	R8MEALS	R9MEALS	R10MEALS	
.D=DK/NA	1	1	3	3	2		2	6	
.R=RF	3	5	3		5	3	1	3	
.S=Skip	36	28	24	7	10	7	9	6	
0.No	15739	18781	17034	15689	17625	16216	15095	13453	
1.Yes	688	844	762	775	764	765	744	946	
2.Cant do	554	619	670	651	674	631	610	462	
9. Dont do	970	1106	1083	1040	1049	847	756	496	
Value-----	S3MEALS	S4MEALS	S5MEALS	S6MEALS	S7MEALS	S8MEALS	S9MEALS	S10MEALS	
.D=DK/NA				2	1			2	
.R=RF	2		1		3	2	1	2	
.S=Skip	11	7	5	3	1	1	2	1	
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	418	537	311	220	380	317	365	431	
0.No	10591	12505	11309	10343	11639	10577	9637	8370	

1. Yes	320	389	351	336	367	373	314	422
2. Cant do	208	233	246	201	202	210	181	139
9. Dont do	783	844	818	754	759	572	511	305

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. Cant do	179
9. Dont do	435

Value-----	S2MEALSR
.M=Oth missing	1
.Q=Not asked this wv	9123
.U=Unmar	5970
.V=Sp NR	200
0. Able to do without help	3676
1. Unable to do without help	262
2. Cant do	72
9. Dont 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 R 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 R is not married, spouse variables are set to .U=unmarried. If R'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 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.

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 2-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 DK or RF. From Wave 4 forward this question is not asked if R 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

V321	B5A:USE MAP, STRNG P:IMP
V322	B5B:USE MCRWV W/ INS:IMP
V323	B5C:USE CALCULATOR :IMP
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
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
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

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
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
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
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
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
2	S2MONEYA	S2MONEYA:W2 S Some Diff-Managing money	Categ
3	S3MONEYA	S3MONEYA:W3 S Some Diff-Managing money	Categ
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
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
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
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
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
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
2	S2MEALSA	S2MEALSA:W2	S	Some Diff-Prepare hot meal	Categ
3	S3MEALSA	S3MEALSA:W3	S	Some Diff-Prepare hot meal	Categ
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

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	14034	0.16	0.36	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	8777	0.12	0.32	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	15312	0.07	0.26	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	9215	0.05	0.21	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	14863	0.10	0.30	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	8861	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	15157	0.05	0.23	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	9134	0.04	0.19	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	15028	0.12	0.33	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	9065	0.08	0.28	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	14861	0.09	0.29	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	8931	0.06	0.24	0.0	1.0

Categorical Variable Codes

Value-----	R2MAPA	R3MAPA	R4MAPA	R5MAPA	R6MAPA	R7MAPA	R8MAPA	R9MAPA	R10MAPA
.D=DK/NA	18	8	18	14	18	10	15	14	24
.Q=Not asked this wv	8222								
.R=RF	2	4	6	3		6	3	3	4
.S=Skip		36	28	24	7	10	7	9	6
.X=Dont do	98	2521	2813	2749	2383	2570	2186	2097	1304
0.No	8949	12656	16175	14614	13596	15287	14013	13038	11855
1.Yes	2353	2766	2344	2175	2161	2246	2245	2056	2179

Value-----	S2MAPA	S3MAPA	S4MAPA	S5MAPA	S6MAPA	S7MAPA	S8MAPA	S9MAPA	S10MAPA
.D=DK/NA	12	3	6	5	10	4	7	7	6
.Q=Not asked this wv	4549								
.R=RF	2	2	1	1		4	3	1	3
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	418	537	311	220	380	317	365	431
.X=Dont do	54	1064	1229	1226	958	1074	925	775	454
0.No	7037	9224	11466	10334	9533	10712	9673	8835	7735
1.Yes	1634	1611	1269	1159	1135	1177	1126	1026	1042

Value-----	R2CALCA
.D=DK/NA	19
.Q=Not asked this wv	8222
.R=RF	3
.X=Dont do	346
0.No	10050
1.Yes	1002

Value-----	S2CALCA
.D=DK/NA	16
.Q=Not asked this wv	4549
.R=RF	3
.U=Unmar	5970
.V=Sp NR	384
.X=Dont do	243
0.No	7807
1.Yes	670

Value-----	R2PHONEA	R3PHONEA	R4PHONEA	R5PHONEA	R6PHONEA	R7PHONEA	R8PHONEA	R9PHONEA	R10PHONEA
.D=DK/NA	3	1	4	2	1	4	3	5	3
.M=Oth missing	1								
.R=RF	3	3	3	2		6	2	1	2
.S=Skip		36	28	24	7	10	7	9	6
.X=Dont do	49	103	115	125	97	107	83	91	49
0.No	18862	16925	20118	18419	17019	18978	17372	16137	14239
1.Yes	724	923	1116	1007	1041	1024	1002	974	1073

Value-----	S2PHONEA	S3PHONEA	S4PHONEA	S5PHONEA	S6PHONEA	S7PHONEA	S8PHONEA	S9PHONEA	S10PHONEA
.D=DK/NA			1				1		3
.M=Oth missing	1							4	
.R=RF	3	2		1		4	1	1	1
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	25	53	62	71	44	54	47	48	21
0.No	12653	11389	13355	12192	11141	12477	11243	10189	8770
1.Yes	406	460	553	461	451	435	443	402	445

Value-----	R2MONEYA	R3MONEYA	R4MONEYA	R5MONEYA	R6MONEYA	R7MONEYA	R8MONEYA	R9MONEYA	R10MONEYA
.D=DK/NA	5	1	3	4	3	4	3	3	8
.M=Oth missing	4	1							
.R=RF	4	3	4	2	3	8	3	2	4
.S=Skip		36	28	25	7	10	7	9	6
.X=Dont do	765	537	619	617	580	734	698	630	491
0.No	17539	16166	19305	17562	16196	17980	16377	15225	13413

1.Yes	1325	1247	1425	1369	1376	1393	1381	1348	1450
Value-----	S2MONEYA	S3MONEYA	S4MONEYA	S5MONEYA	S6MONEYA	S7MONEYA	S8MONEYA	S9MONEYA	S10MONEYA
.D=DK/NA	4		1	2	2	1	1	1	4
.M=Oth missing	2	1							
.R=RF	3	2		1	3	4	2	2	1
.S=Skip		11	7	6	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	557	452	486	504	464	583	554	483	374
0.No	11841	10938	12906	11700	10667	11840	10666	9692	8316
1.Yes	681	511	578	517	500	543	511	466	545
Value-----	R2MEDSA	R3MEDSA	R4MEDSA	R5MEDSA	R6MEDSA	R7MEDSA	R8MEDSA	R9MEDSA	R10MEDSA
.D=DK/NA	4	1	6	2	6	6	2		3
.M=Oth missing	1								
.R=RF	2	4	4	2		4	3	1	3
.S=Skip		36	28	24	7	36	7	9	6
.X=Dont do	218	1243	36	24	7	14	9	9	22
.Z=Dont do/No if did			1278	1005	376	387	251	195	181
0.No	18674	16009	19211	17733	16962	18829	17322	16149	14340
1.Yes	743	698	821	789	807	853	875	854	817
Value-----	S2MEDSA	S3MEDSA	S4MEDSA	S5MEDSA	S6MEDSA	S7MEDSA	S8MEDSA	S9MEDSA	S10MEDSA
.D=DK/NA	4		3			2			
.M=Oth missing	1								
.R=RF	2	2		1		2	2	1	2
.S=Skip		11	7	5	3	10	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	113	837	23	13	3	9	6	5	12
.Z=Dont do/No if did			831	672	222	217	142	97	92
0.No	12549	10738	12730	11701	11077	12370	11212	10197	8807
1.Yes	419	327	384	338	334	362	372	344	327
Value-----	R2SHOPA	R3SHOPA	R4SHOPA	R5SHOPA	R6SHOPA	R7SHOPA	R8SHOPA	R9SHOPA	R10SHOPA
.D=DK/NA	1	2		2	1	4	1	1	4
.M=Oth missing	1								
.Q=Not asked this wv	11420								
.R=RF		3	6	2		6	3	1	2
.S=Skip		36	28	24	7	45	7	9	6
.X=Dont do	228	638	724	724	650	685	595	524	332
0.No	6535	15421	18465	16827	15568	17375	15820	14828	13164
1.Yes	1457	1891	2161	2000	1939	2014	2043	1854	1864
Value-----	S2SHOPA	S3SHOPA	S4SHOPA	S5SHOPA	S6SHOPA	S7SHOPA	S8SHOPA	S9SHOPA	S10SHOPA
.D=DK/NA	1				1	2			2
.M=Oth missing	1								
.Q=Not asked this wv	9123								
.R=RF		2	1	1		4	2	1	1
.S=Skip		11	7	5	3	10	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	200	418	537	311	220	380	317	365	431
.X=Dont do	138	465	482	488	425	472	389	315	172
0.No	3662	10630	12565	11385	10457	11663	10487	9602	8306
1.Yes	547	807	923	851	753	821	856	725	759
Value-----	R2MEALSA	R3MEALSA	R4MEALSA	R5MEALSA	R6MEALSA	R7MEALSA	R8MEALSA	R9MEALSA	R10MEALSA
.D=DK/NA		1	1	3	3	2		2	6
.M=Oth missing	1								
.Q=Not asked this wv	11420								
.R=RF	1	3	5	3		5	3	1	3
.S=Skip		36	28	24	7	10	7	9	6
.X=Dont do	435	970	1106	1083	1040	1049	847	756	496
0.No	7018	15739	18781	17034	15689	17625	16216	15095	13453
1.Yes	767	1242	1463	1432	1426	1438	1396	1354	1408
Value-----	S2MEALSA	S3MEALSA	S4MEALSA	S5MEALSA	S6MEALSA	S7MEALSA	S8MEALSA	S9MEALSA	S10MEALSA
.D=DK/NA					2	1			2
.M=Oth missing	1								
.Q=Not asked this wv	9123								
.R=RF		2		1		3	2	1	2
.S=Skip		11	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	200	418	537	311	220	380	317	365	431
.X=Dont do	338	783	844	818	754	759	572	511	305

0.No	|	3676	10591	12505	11309	10343	11639	10577	9637	8370
1.Yes	|	334	528	622	597	537	569	583	495	561

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 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.

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 Wave 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 hence the 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 difficulty, 0 indicates no difficulty or can't do, 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.

From Wave 3 forward for using a map, 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 R is not married, spouse variables are set to .U=unmarried. If R'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 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.

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 2-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 DK or RF. From Wave 4 forward this question is not asked if R 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

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
 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
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

Instrumental activities of daily living (IADLs): Recodes for comparison to Wallace and Herzog
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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=Dont do	464
0.No	8225
1.Yes	3963
Value-----	S1MAPW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	280
0.No	6644
1.Yes	2976
Value-----	R1CALCW
.X=Dont do	1398
0.No	9979
1.Yes	1275
Value-----	S1CALCW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	977
0.No	7973

1.Yes	|	950
Value-----	|	R1MCWVW
.X=Dont do	|	557
0.No	|	10797
1.Yes	|	1298
Value-----	|	S1MCWVW
.U=Unmar	|	2373
.V=Sp NR	|	379
.X=Dont do	|	338
0.No	|	8560
1.Yes	|	1002
Value-----	|	R1COMPW
.X=Dont do	|	5318
0.No	|	4059
1.Yes	|	3275
Value-----	|	S1COMPW
.U=Unmar	|	2373
.V=Sp NR	|	379
.X=Dont 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 R is not married, spouse variables are set to .U=unmarried. If R'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 using 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 wordprocessor".

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

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
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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
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
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
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
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
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
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
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
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
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
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

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
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
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
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
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
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
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
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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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	15356	0.46	1.05	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	9233	0.34	0.83	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	15356	0.24	0.79	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	9235	0.16	0.56	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	15345	0.25	0.72	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	9233	0.22	0.65	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	15348	0.44	0.60	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	9229	0.40	0.55	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	15308	0.95	1.87	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	9211	0.74	1.55	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	15334	0.39	1.23	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	9230	0.26	0.94	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	15341	0.61	0.96	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	9230	0.53	0.81	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	15345	0.49	1.33	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	9230	0.32	0.99	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	15331	0.11	0.46	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	9225	0.08	0.42	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	15347	0.22	0.61	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	9231	0.18	0.51	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	15347	0.59	1.54	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	9234	0.42	1.24	0.0	9.0

Categorical Variable Codes

Value-----	R3WALKS	R4WALKS	R5WALKS	R6WALKS	R7WALKS	R8WALKS	R9WALKS	R10WALKS
.D=DK/NA	4	3	4	3	5	4	7	9
.M=Oth missing	1							
.R=RF	2	5	3		4	3	1	3
.S=Skip	35	25	23	7	9	7	7	4
0.No	12593	15073	13471	12070	13706	12268	11330	9906
1.Yes	4215	5103	4964	5030	5280	5376	5100	5051
2.Cant do	609	668	572	593	599	475	449	222
9. Dont do	532	507	542	462	526	336	323	177

Value-----	R1WALKS
1.Not at all diff	9441
2.A little diff	1320
3.Somewhat diff	886
4.Very diff/cant do	824
9. Dont 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.Cant do	338
9. Dont do	200

Value-----	S3WALKS	S4WALKS	S5WALKS	S6WALKS	S7WALKS	S8WALKS	S9WALKS	S10WALKS
.D=DK/NA	1		2	2	3	1	3	6
.M=Oth missing	1							
.R=RF	1	1	1		2	2	1	2
.S=Skip	10	6	5	3	1	1		
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	9058	10682	9515	8476	9662	8567	7756	6582
1.Yes	2357	2789	2752	2758	2866	2854	2624	2526
2.Cant do	252	275	218	222	222	183	141	68
9. Dont do	235	225	237	178	216	127	121	57

Value-----	S1WALKS
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	7551
2.A little diff	1004
3.Somewhat diff	640
4.Very diff/cant do	590
9. Dont do	115

Value-----	S2WALKS
.D=DK/NA	260
.M=Oth missing	134
.R=RF	1
.U=Unmar	5970
.V=Sp 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.Cant do	120
9. Dont do	73

Value-----	R3WALK1	R4WALK1	R5WALK1	R6WALK1	R7WALK1	R8WALK1	R9WALK1	R10WALK1
.D=DK/NA	4	4	4	6	3	4	5	9
.M=Oth missing	1							
.R=RF	2	5	3		3	3	1	3
.S=Skip	35	25	23	7	9	7	8	4
0.No	15368	18287	16477	15041	16875	15257	14119	12511
1.Yes	1969	2401	2433	2517	2588	2659	2593	2572
2.Cant do	398	472	413	407	404	367	341	183
9. Dont do	214	190	226	187	247	172	150	90

Value-----	R1WALK1
1.Not at all diff	11271
2.A little diff	605
3.Somewhat diff	396
4.Very diff/cant do	314
9. Dont 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-----		S3WALK1	S4WALK1	S5WALK1	S6WALK1	S7WALK1	S8WALK1	S9WALK1	S10WALK1
.D=DK/NA		1	2	1	1		1	2	4
.R=RF		1	1	1		1	2	1	2
.S=Skip		10	6	5	3	1	1	1	
.U=Unmar		5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		418	537	311	220	380	317	365	431
0.No		10658	12499	11245	10166	11470	10237	9269	7993
1.Yes		1008	1217	1235	1250	1270	1305	1214	1164
2.Cant do		161	187	157	149	140	135	109	56
9. Dont do		76	66	86	70	90	54	50	22
Value-----	S1WALK1								
.U=Unmar	2373								
.V=Sp NR	379								
1.Not at all diff	8949								
2.A little diff	420								
3.Somewhat diff	273								
4.Very diff/cant do	218								
9. Dont do	40								
Value-----	S2WALK1								
.D=DK/NA	265								
.Q=Not asked this wv	4549								
.R=RF	2								
.U=Unmar	5970								
.V=Sp NR	384								
0.No	7987								
1.Yes,a little	210								
2.Yes,a lot	272								
4.Yes,RF how much	3								
Value-----		R3SIT	R4SIT	R5SIT	R6SIT	R7SIT	R8SIT	R9SIT	R10SIT
.D=DK/NA		4	6	7	7	7	8	5	15
.R=RF		2	5	3		6	3	1	7
.S=Skip		35	26	23	7	10	7	8	5
0.No		14486	17275	15790	14405	16112	14718	13786	12191
1.Yes		3169	3751	3468	3498	3756	3517	3224	3031
2.Cant do		123	113	99	75	96	105	84	52
9. Dont do		172	208	189	173	142	111	109	71
Value-----	R1SIT								
1.Not at all diff	8943								
2.A little diff	1763								
3.Somewhat diff	1169								
4.Very diff/cant do	711								
9. Dont 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. Dont do	16								
Value-----		S3SIT	S4SIT	S5SIT	S6SIT	S7SIT	S8SIT	S9SIT	S10SIT
.D=DK/NA		1		2	1	4	5	1	4
.R=RF		1	1	1		3	2	1	3
.S=Skip		10	7	5	3	1	1	1	1
.U=Unmar		5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		418	537	311	220	380	317	365	431
0.No		9700	11450	10457	9372	10519	9527	8704	7463
1.Yes		2032	2335	2120	2132	2313	2092	1856	1714
2.Cant do		67	62	43	28	52	54	27	24
9. Dont do		104	123	102	103	80	54	56	32
Value-----	S1SIT								
.U=Unmar	2373								

.V=Sp NR	379
1.Not at all diff	7049
2.A little diff	1396
3.Somewhat diff	901
4.Very diff/cant do	506
9. Dont do	48

Value-----	S2SIT
.D=DK/NA	12
.Q=Not asked this wv	4549
.R=RF	1
.U=Unmar	5970
.V=Sp 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. Dont do	11

Value-----	R3CHAIR	R4CHAIR	R5CHAIR	R6CHAIR	R7CHAIR	R8CHAIR	R9CHAIR	R10CHAIR
.D=DK/NA	4	1	6	9	9	7	4	13
.M=Oth missing	1							
.R=RF	3	5	3		5	3	2	6
.S=Skip	35	26	23	7	10	7	8	5
0.No	11414	13524	12143	10715	12243	10707	10043	8793
1.Yes	6327	7602	7201	7246	7657	7547	6987	6461
2.Cant do	158	177	153	154	161	164	133	72
9. Dont do	49	49	50	34	44	34	40	22

Value-----	R1CHAIR
1.Not at all diff	8152
2.A little diff	2768
3.Somewhat diff	1234
4.Very diff/cant do	472
9. Dont 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. Dont do	3

Value-----	S3CHAIR	S4CHAIR	S5CHAIR	S6CHAIR	S7CHAIR	S8CHAIR	S9CHAIR	S10CHAIR
.D=DK/NA	1		3	4	4	6	2	9
.M=Oth missing	1							
.R=RF	2	1	1		3	2	2	2
.S=Skip	10	7	5	3	1	1	1	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	7954	9309	8321	7254	8269	7240	6622	5613
1.Yes	3844	4563	4323	4307	4608	4412	3964	3586
2.Cant do	76	73	56	56	64	60	37	22
9. Dont do	27	25	21	15	23	14	18	8

Value-----	S1CHAIR
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	6476
2.A little diff	2188
3.Somewhat diff	902
4.Very diff/cant do	317
9. Dont do	17

Value-----	S2CHAIR
.D=DK/NA	6
.Q=Not asked this wv	4549
.R=RF	1
.U=Unmar	5970
.V=Sp 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. Dont do 3

Value-----	R3CLIMS	R4CLIMS	R5CLIMS	R6CLIMS	R7CLIMS	R8CLIMS	R9CLIMS	R10CLIMS
.D=DK/NA	9	19	22	17	39	34	22	52
.R=RF	3	6	3		5	5	1	7
.S=Skip	35	26	23	7	10	7	8	5
0.No	9101	10957	9791	8524	9966	8808	8177	7155
1.Yes	5540	6654	6370	6485	7007	7195	6684	6749
2.Cant do	1143	1303	1142	1123	1227	1102	967	687
9. Dont do	2160	2419	2228	2009	1875	1318	1358	717

Value----- R1CLIMS
 1.Not at all diff 6369
 2.A little diff 2793
 3.Somewhat diff 1506
 4.Very diff/cant do 1684
 9. Dont 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. Dont do 89

Value-----	S3CLIMS	S4CLIMS	S5CLIMS	S6CLIMS	S7CLIMS	S8CLIMS	S9CLIMS	S10CLIMS
.D=DK/NA	5	10	12	8	22	16	9	25
.R=RF	2	1	1		3	3	1	4
.S=Skip	10	7	5	3	1	1	1	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	6697	7957	7081	6189	7230	6360	5744	4878
1.Yes	3525	4122	3948	3936	4263	4286	3900	3797
2.Cant do	510	604	520	499	549	464	364	261
9. Dont do	1166	1277	1163	1004	904	605	627	275

Value----- S1CLIMS
 .U=Unmar 2373
 .V=Sp NR 379
 1.Not at all diff 5188
 2.A little diff 2193
 3.Somewhat diff 1169
 4.Very diff/cant do 1152
 9. Dont do 198

Value----- S2CLIMS
 .D=DK/NA 21
 .Q=Not asked this wv 4549
 .R=RF 1
 .U=Unmar 5970
 .V=Sp NR 384
 0.No 5965
 1.Yes,a little 1466
 2.Yes,a lot 1224
 4.Yes,RF how much 1
 9. Dont do 61

Value-----	R3CLIM1	R4CLIM1	R5CLIM1	R6CLIM1	R7CLIM1	R8CLIM1	R9CLIM1	R10CLIM1
.D=DK/NA	6	8	13	11	20	14	10	29
.R=RF	4	6	3		5	2	1	4
.S=Skip	35	26	23	7	10	7	8	5
0.No	14272	17032	15323	14161	15756	14350	13348	11797
1.Yes	2248	2727	2704	2657	2917	2937	2747	2882
2.Cant do	680	783	708	690	750	687	615	396
9. Dont do	746	802	805	639	671	472	488	259

Value----- R1CLIM1
 1.Not at all diff 10323

2.A little diff	1066
3.Somewhat diff	649
4.Very diff/cant do	527
9. Dont 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.Cant do	256
9. Dont do	296

Value-----	S3CLIM1	S4CLIM1	S5CLIM1	S6CLIM1	S7CLIM1	S8CLIM1	S9CLIM1	S10CLIM1
.D=DK/NA	3	4	7	4	6	7	5	8
.R=RF	3	1	1		3	2	1	2
.S=Skip	10	7	5	3	1	1	1	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	10066	11833	10653	9758	10894	9788	8922	7635
1.Yes	1226	1471	1455	1375	1520	1491	1364	1384
2.Cant do	281	334	282	256	292	265	193	127
9. Dont do	326	328	327	243	256	181	160	84

Value-----	S1CLIM1
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	8259
2.A little diff	784
3.Somewhat diff	460
4.Very diff/cant do	345
9. Dont do	52

Value-----	S2CLIM1
.D=DK/NA	66
.M=Oth missing	100
.R=RF	1
.U=Unmar	5970
.V=Sp NR	584
0.No	11144
1.Yes,a little	779
2.Yes,a lot	615
3.Yes,DK/NA how much	217
5.Cant do	79
9. Dont do	87

Value-----	R3STOOP	R4STOOP	R5STOOP	R6STOOP	R7STOOP	R8STOOP	R9STOOP	R10STOOP
.D=DK/NA	7	5	5	11	16	11	8	21
.R=RF	4	6	4		5	3	1	5
.S=Skip	35	26	23	7	10	7	8	5
0.No	10503	12436	11054	9602	10836	9439	8713	7513
1.Yes	6358	7618	7372	7459	7989	7962	7577	7171
2.Cant do	804	932	767	786	880	797	653	524
9. Dont do	280	361	354	300	393	250	257	133

Value-----	R1STOOP
1.Not at all diff	7258
2.A little diff	2623
3.Somewhat diff	1414
4.Very diff/cant do	1284
9. Dont 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. Dont do	4

Value-----	S3STOOP	S4STOOP	S5STOOP	S6STOOP	S7STOOP	S8STOOP	S9STOOP	S10STOOP
.D=DK/NA	2	3	1	3	4	3	3	8
.R=RF	3	1	2		3	2	1	2
.S=Skip	10	7	5	3	1	1	1	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	7439	8693	7669	6646	7561	6521	5861	4904
1.Yes	3960	4692	4564	4549	4866	4767	4436	4082
2.Cant do	376	399	333	321	361	341	247	197
9. Dont do	125	183	156	117	176	100	97	47

Value-----	S1STOOP
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	5832
2.A little diff	2077
3.Somewhat diff	1077
4.Very diff/cant do	871
9. Dont do	43

Value-----	S2STOOP
.D=DK/NA	3
.Q=Not asked this wv	4549
.R=RF	1
.U=Unmar	5970
.V=Sp 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. Dont do	3

Value-----	R3LIFT	R4LIFT	R5LIFT	R6LIFT	R7LIFT	R8LIFT	R9LIFT	R10LIFT
.D=DK/NA	3	6	7	7	12	7	7	17
.R=RF	4	7	5		4	2	1	5
.S=Skip	35	27	23	7	10	7	9	5
0.No	13089	15686	14321	13257	14844	13476	12449	10712
1.Yes	3187	3860	3705	3492	3810	3840	3701	3952
2.Cant do	721	814	607	615	662	571	509	369
9. Dont do	952	984	911	787	787	566	541	312

Value-----	R1LIFT
1.Not at all diff	9451
2.A little diff	1363
3.Somewhat diff	823
4.Very diff/cant do	886
9. Dont 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.Cant do	548
9. Dont do	253

Value-----	S3LIFT	S4LIFT	S5LIFT	S6LIFT	S7LIFT	S8LIFT	S9LIFT	S10LIFT
.D=DK/NA		2	1	2	2	1	1	8
.R=RF	3	1	3		2	1	1	2
.S=Skip	10	7	5	3	1	1	2	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	9406	11123	10167	9352	10431	9388	8501	7123
1.Yes	1779	2066	1939	1748	1968	1925	1797	1882
2.Cant do	304	353	266	239	264	215	157	132
9. Dont do	413	426	349	295	304	204	187	93

Value-----	S1LIFT
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	7633

2.A little diff	1010
3.Somewhat diff	600
4.Very diff/cant do	574
9. Dont do	83

Value-----	S2LIFT
.D=DK/NA	7
.M=Oth missing	198
.R=RF	2
.U=Unmar	5970
.V=Sp 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.Cant do	222
9. Dont do	86

Value-----	R3DIME	R4DIME	R5DIME	R6DIME	R7DIME	R8DIME	R9DIME	R10DIME
.D=DK/NA	5	13	17	18	28	21	20	31
.R=RF	3	6	4		4	2	1	5
.S=Skip	35	28	23	7	10	7	9	5
0.No	16590	19782	18045	16764	18610	16952	15751	13941
1.Yes	1216	1372	1319	1230	1334	1358	1318	1309
2.Cant do	103	128	118	105	96	103	89	57
9. Dont do	39	55	53	41	47	26	29	24

Value-----	R1DIME
1.Not at all diff	11836
2.A little diff	455
3.Somewhat diff	246
4.Very diff/cant do	106
9. Dont 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.Cant do	16
9. Dont do	20

Value-----	S3DIME	S4DIME	S5DIME	S6DIME	S7DIME	S8DIME	S9DIME	S10DIME
.D=DK/NA	1	5	4	6	8	5	3	13
.R=RF	2	1	2		2	1	1	2
.S=Skip	10	7	5	3	1	1	2	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	11170	13178	11950	10965	12240	10985	9977	8565
1.Yes	666	707	704	607	666	696	624	629
2.Cant do	43	54	41	42	34	40	30	19
9. Dont do	23	26	24	16	21	7	9	12

Value-----	S1DIME
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	9330
2.A little diff	337
3.Somewhat diff	152
4.Very diff/cant do	75
9. Dont do	6

Value-----	S2DIME
.D=DK/NA	5
.M=Oth missing	25
.R=RF	2
.U=Unmar	5970
.V=Sp 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.Cant do	6								
9. Dont do	6								
Value-----		R3ARMS	R4ARMS	R5ARMS	R6ARMS	R7ARMS	R8ARMS	R9ARMS	R10ARMS
.D=DK/NA		4	8	13	13	14	10	9	14
.R=RF		3	6	5		5	3	1	6
.S=Skip		35	27	23	7	10	7	8	5
0.No		14909	17856	16341	15024	16761	15218	14211	12321
1.Yes		2738	3158	2938	2879	3067	2993	2794	2885
2.Cant do		201	220	173	160	186	164	139	102
9. Dont do		101	109	86	82	86	74	55	39
Value-----	R1ARMS								
1.Not at all diff	11126								
2.A little diff	831								
3.Somewhat diff	412								
4.Very diff/cant do	267								
9. Dont 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-----		S3ARMS	S4ARMS	S5ARMS	S6ARMS	S7ARMS	S8ARMS	S9ARMS	S10ARMS
.D=DK/NA		2	4	6	3	4	4	3	7
.R=RF		2	1	3		3	1	1	2
.S=Skip		10	7	5	3	1	1	1	1
.U=Unmar		5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		418	537	311	220	380	317	365	431
0.No		10177	12051	10971	9950	11132	10010	9146	7745
1.Yes		1589	1771	1633	1584	1719	1632	1417	1439
2.Cant do		85	99	76	64	77	61	51	33
9. Dont do		50	45	36	35	36	26	27	14
Value-----	S1ARMS								
.U=Unmar	2373								
.V=Sp NR	379								
1.Not at all diff	8838								
2.A little diff	588								
3.Somewhat diff	290								
4.Very diff/cant do	174								
9. Dont do	10								
Value-----	S2ARMS								
.D=DK/NA	3								
.Q=Not asked this wv	4549								
.R=RF	1								
.U=Unmar	5970								
.V=Sp 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-----		R3PUSH	R4PUSH	R5PUSH	R6PUSH	R7PUSH	R8PUSH	R9PUSH	R10PUSH
.D=DK/NA		4	6	10	8	15	15	10	15
.M=Oth missing		1							
.R=RF		4	6	5		6	2	1	5
.S=Skip		35	27	23	7	10	7	8	5
0.No		12225	14799	13547	12373	14065	12620	11889	10205
1.Yes		3302	3918	3713	3701	4021	4254	3859	4274
2.Cant do		864	951	758	744	785	679	573	424
9. Dont do		1556	1677	1523	1332	1227	892	877	444
Value-----	R1PUSH								
1.Not at all diff	9303								
2.A little diff	1577								

3.Somewhat diff	766
4.Very diff/cant do	843
9. Dont 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.Cant do	609
9. Dont do	449

Value-----	S3PUSH	S4PUSH	S5PUSH	S6PUSH	S7PUSH	S8PUSH	S9PUSH	S10PUSH
.D=DK/NA		3	2	6	6	6	5	4
.R=RF	3	1	3		4	1	1	2
.S=Skip	10	7	5	3	1	1	1	1
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.No	8757	10456	9578	8764	9887	8805	8123	6788
1.Yes	1999	2264	2127	1987	2208	2293	1987	2128
2.Cant do	381	429	340	299	335	264	213	158
9. Dont do	765	818	675	580	531	365	316	160

Value-----	S1PUSH
.U=Unmar	2373
.V=Sp NR	379
1.Not at all diff	7471
2.A little diff	1225
3.Somewhat diff	551
4.Very diff/cant do	547
9. Dont do	106

Value-----	S2PUSH
.D=DK/NA	6
.M=Oth missing	169
.R=RF	2
.U=Unmar	5970
.V=Sp 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.Cant do	259
9. Dont do	171

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), 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 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 R has any difficulty with an activity and if so, asks followup 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 followup 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. In these cases difficulty is assumed for the skipped activities, i.e., `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 R is not married, spouse variables are set to `.U=unmarried`. If R'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 2-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 block, 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

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
W319	B4p.EXTENDING ARMS ABOVE
W320	B4q.PULLING/PUSHING LARG
AHEAD 1995:	
D1834	E60.DIFF-SEV BLKS
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
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
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
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
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
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
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

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
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

Other Functional Limitations: Some difficulty
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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
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
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
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
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
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
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
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
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
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
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
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

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
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
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
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
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
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
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
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
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
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

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	15179	0.35	0.48	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	9176	0.28	0.45	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	15266	0.18	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	9213	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	15274	0.20	0.40	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	9201	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	15326	0.43	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	9221	0.39	0.49	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	14591	0.51	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	8936	0.45	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	15075	0.22	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	9146	0.17	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	15208	0.51	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	9183	0.47	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	15033	0.29	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	9137	0.22	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	15307	0.09	0.29	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	9213	0.07	0.26	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	15308	0.20	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	9217	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	14903	0.32	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	9074	0.25	0.43	0.0	1.0

Categorical Variable Codes

Value-----	R2WALKSA	R3WALKSA	R4WALKSA	R5WALKSA	R6WALKSA	R7WALKSA	R8WALKSA	R9WALKSA	R10WALKSA
.D=DK/NA	340	4	3	4	3	5	4	7	9
.M=Oth missing	1	1							
.R=RF	1	2	5	3		4	3	1	3
.S=Skip		35	25	23	7	9	7	7	4
.X=Dont do	201	532	507	542	462	526	336	323	177
0.No	14211	12593	15073	13471	12070	13706	12268	11330	9906
1.Yes	4888	4824	5771	5536	5623	5879	5851	5549	5273

Value-----	S2WALKSA	S3WALKSA	S4WALKSA	S5WALKSA	S6WALKSA	S7WALKSA	S8WALKSA	S9WALKSA	S10WALKSA
.D=DK/NA	260	1		2	2	3	1	3	6
.M=Oth missing	1	1							
.R=RF	1	1	1	1		2	2	1	2
.S=Skip		10	6	5	3	1	1		
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	73	235	225	237	178	216	127	121	57
0.No	10170	9058	10682	9515	8476	9662	8567	7756	6582
1.Yes	2583	2609	3064	2970	2980	3088	3037	2765	2594

Value-----	R2WALK1A	R3WALK1A	R4WALK1A	R5WALK1A	R6WALK1A	R7WALK1A	R8WALK1A	R9WALK1A	R10WALK1A
.D=DK/NA	347	4	4	4	6	3	4	5	9
.M=Oth missing		1							
.Q=Not asked this wv	8222								
.R=RF	2	2	5	3		3	3	1	3
.S=Skip		35	25	23	7	9	7	8	4
.X=Dont do		214	190	226	187	247	172	150	90
0.No	10332	15368	18287	16477	15041	16875	15257	14119	12511
1.Yes	739	2367	2873	2846	2924	2992	3026	2934	2755

Value-----	S2WALK1A	S3WALK1A	S4WALK1A	S5WALK1A	S6WALK1A	S7WALK1A	S8WALK1A	S9WALK1A	S10WALK1A
.D=DK/NA	265	1	2	1	1		1	2	4
.Q=Not asked this wv	4549								
.R=RF	2	1	1	1		1	2	1	2
.S=Skip		10	6	5	3	1	1	1	
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	418	537	311	220	380	317	365	431
.X=Dont do		76	66	86	70	90	54	50	22
0.No	7987	10658	12499	11245	10166	11470	10237	9269	7993
1.Yes	485	1169	1404	1392	1399	1410	1440	1323	1220

Value-----	R2SITA	R3SITA	R4SITA	R5SITA	R6SITA	R7SITA	R8SITA	R9SITA	R10SITA
.D=DK/NA	12	4	6	7	7	7	8	5	15
.Q=Not asked this wv	8222								
.R=RF	1	2	5	3		6	3	1	7
.S=Skip		35	26	23	7	10	7	8	5
.X=Dont do	16	172	208	189	173	142	111	109	71
0.No	9166	14486	17275	15790	14405	16112	14718	13786	12191
1.Yes	2225	3292	3864	3567	3573	3852	3622	3308	3083

Value-----	S2SITA	S3SITA	S4SITA	S5SITA	S6SITA	S7SITA	S8SITA	S9SITA	S10SITA
.D=DK/NA	12	1		2	1	4	5	1	4
.Q=Not asked this wv	4549								
.R=RF	1	1	1	1		3	2	1	3
.S=Skip		10	7	5	3	1	1	1	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	418	537	311	220	380	317	365	431
.X=Dont do	11	104	123	102	103	80	54	56	32
0.No	7110	9700	11450	10457	9372	10519	9527	8704	7463
1.Yes	1605	2099	2397	2163	2160	2365	2146	1883	1738

Value-----	R2CHAIRA	R3CHAIRA	R4CHAIRA	R5CHAIRA	R6CHAIRA	R7CHAIRA	R8CHAIRA	R9CHAIRA	R10CHAIRA
.D=DK/NA	7	4	1	6	9	9	7	4	13
.M=Oth missing		1							
.Q=Not asked this wv	8222								
.R=RF	1	3	5	3		5	3	2	6
.S=Skip		35	26	23	7	10	7	8	5
.X=Dont do	3	49	49	50	34	44	34	40	22
0.No	7742	11414	13524	12143	10715	12243	10707	10043	8793
1.Yes	3667	6485	7779	7354	7400	7818	7711	7120	6533

Value-----	S2CHAIRA	S3CHAIRA	S4CHAIRA	S5CHAIRA	S6CHAIRA	S7CHAIRA	S8CHAIRA	S9CHAIRA	S10CHAIRA
.D=DK/NA	6	1		3	4	4	6	2	9
.M=Oth missing		1							
.Q=Not asked this wv	4549								
.R=RF	1	2	1	1		3	2	2	2
.S=Skip		10	7	5	3	1	1	1	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	418	537	311	220	380	317	365	431
.X=Dont do	3	27	25	21	15	23	14	18	8
0.No	6060	7954	9309	8321	7254	8269	7240	6622	5613
1.Yes	2669	3920	4636	4379	4363	4672	4472	4001	3608

Value-----	R2CLIMSA	R3CLIMSA	R4CLIMSA	R5CLIMSA	R6CLIMSA	R7CLIMSA	R8CLIMSA	R9CLIMSA	R10CLIMSA
.D=DK/NA	34	9	19	22	17	39	34	22	52
.Q=Not asked this wv	8222								
.R=RF	1	3	6	3		5	5	1	7
.S=Skip		35	26	23	7	10	7	8	5
.X=Dont do	89	2160	2419	2228	2009	1875	1318	1358	717
0.No	7507	9101	10957	9791	8524	9966	8808	8177	7155
1.Yes	3789	6683	7957	7512	7608	8234	8297	7651	7436

Value-----	S2CLIMSA	S3CLIMSA	S4CLIMSA	S5CLIMSA	S6CLIMSA	S7CLIMSA	S8CLIMSA	S9CLIMSA	S10CLIMSA
.D=DK/NA	21	5	10	12	8	22	16	9	25
.Q=Not asked this wv	4549								
.R=RF	1	2	1	1		3	3	1	4
.S=Skip		10	7	5	3	1	1	1	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	418	537	311	220	380	317	365	431
.X=Dont do	61	1166	1277	1163	1004	904	605	627	275
0.No	5965	6697	7957	7081	6189	7230	6360	5744	4878
1.Yes	2691	4035	4726	4468	4435	4812	4750	4264	4058

Value-----	R2CLIM1A	R3CLIM1A	R4CLIM1A	R5CLIM1A	R6CLIM1A	R7CLIM1A	R8CLIM1A	R9CLIM1A	R10CLIM1A
.D=DK/NA	94	6	8	13	11	20	14	10	29
.M=Oth missing	1								
.R=RF	1	4	6	3		5	2	1	4
.S=Skip		35	26	23	7	10	7	8	5
.X=Dont do	297	746	802	805	639	671	472	488	259
0.No	15709	14272	17032	15323	14161	15756	14350	13348	11797
1.Yes	3540	2928	3510	3412	3347	3667	3624	3362	3278

Value-----	S2CLIM1A	S3CLIM1A	S4CLIM1A	S5CLIM1A	S6CLIM1A	S7CLIM1A	S8CLIM1A	S9CLIM1A	S10CLIM1A
.D=DK/NA	66	3	4	7	4	6	7	5	8
.M=Oth missing	1								
.R=RF	1	3	1	1		3	2	1	2
.S=Skip		10	7	5	3	1	1	1	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	88	326	328	327	243	256	181	160	84
0.No	11144	10066	11833	10653	9758	10894	9788	8922	7635
1.Yes	1788	1507	1805	1737	1631	1812	1756	1557	1511

Value-----	R2STOOPA	R3STOOPA	R4STOOPA	R5STOOPA	R6STOOPA	R7STOOPA	R8STOOPA	R9STOOPA	R10STOOPA
.D=DK/NA	4	7	5	5	11	16	11	8	21
.Q=Not asked this wv	8222								
.R=RF	1	4	6	4		5	3	1	5
.S=Skip		35	26	23	7	10	7	8	5
.X=Dont do	4	280	361	354	300	393	250	257	133
0.No	7429	10503	12436	11054	9602	10836	9439	8713	7513
1.Yes	3982	7162	8550	8139	8245	8869	8759	8230	7695

Value-----	S2STOOPA	S3STOOPA	S4STOOPA	S5STOOPA	S6STOOPA	S7STOOPA	S8STOOPA	S9STOOPA	S10STOOPA
.D=DK/NA	3	2	3	1	3	4	3	3	8
.Q=Not asked this wv	4549								
.R=RF	1	3	1	2		3	2	1	2
.S=Skip		10	7	5	3	1	1	1	1

.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	418	537	311	220	380	317	365	431
.X=Dont do	3	125	183	156	117	176	100	97	47
0.No	5858	7439	8693	7669	6646	7561	6521	5861	4904
1.Yes	2874	4336	5091	4897	4870	5227	5108	4683	4279
Value-----	R2LIFTA	R3LIFTA	R4LIFTA	R5LIFTA	R6LIFTA	R7LIFTA	R8LIFTA	R9LIFTA	R10LIFTA
.D=DK/NA	10	3	6	7	7	12	7	7	17
.M=Oth missing	1								
.R=RF	2	4	7	5		4	2	1	5
.S=Skip		35	27	23	7	10	7	9	5
.X=Dont do	253	952	984	911	787	787	566	541	312
0.No	14504	13089	15686	14321	13257	14844	13476	12449	10712
1.Yes	4872	3908	4674	4312	4107	4472	4411	4210	4321
Value-----	S2LIFTA	S3LIFTA	S4LIFTA	S5LIFTA	S6LIFTA	S7LIFTA	S8LIFTA	S9LIFTA	S10LIFTA
.D=DK/NA	7		2	1	2	2	1	1	8
.M=Oth missing	1								
.R=RF	2	3	1	3		2	1	1	2
.S=Skip		10	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	86	413	426	349	295	304	204	187	93
0.No	10406	9406	11123	10167	9352	10431	9388	8501	7123
1.Yes	2586	2083	2419	2205	1987	2232	2140	1954	2014
Value-----	R2DIMEA	R3DIMEA	R4DIMEA	R5DIMEA	R6DIMEA	R7DIMEA	R8DIMEA	R9DIMEA	R10DIMEA
.D=DK/NA	11	5	13	17	18	28	21	20	31
.M=Oth missing	1								
.R=RF	2	3	6	4		4	2	1	5
.S=Skip		35	28	23	7	10	7	9	5
.X=Dont do	21	39	55	53	41	47	26	29	24
0.No	18373	16590	19782	18045	16764	18610	16952	15751	13941
1.Yes	1234	1319	1500	1437	1335	1430	1461	1407	1366
Value-----	S2DIMEA	S3DIMEA	S4DIMEA	S5DIMEA	S6DIMEA	S7DIMEA	S8DIMEA	S9DIMEA	S10DIMEA
.D=DK/NA	5	1	5	4	6	8	5	3	13
.M=Oth missing	1								
.R=RF	2	2	1	2		2	1	1	2
.S=Skip		10	7	5	3	1	1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	6	23	26	24	16	21	7	9	12
0.No	12418	11170	13178	11950	10965	12240	10985	9977	8565
1.Yes	656	709	761	745	649	700	736	654	648
Value-----	R2ARMSA	R3ARMSA	R4ARMSA	R5ARMSA	R6ARMSA	R7ARMSA	R8ARMSA	R9ARMSA	R10ARMSA
.D=DK/NA	8	4	8	13	13	14	10	9	14
.Q=Not asked this wv	8222								
.R=RF	1	3	6	5		5	3	1	6
.S=Skip		35	27	23	7	10	7	8	5
.X=Dont do		101	109	86	82	86	74	55	39
0.No	9972	14909	17856	16341	15024	16761	15218	14211	12321
1.Yes	1439	2939	3378	3111	3039	3253	3157	2933	2987
Value-----	S2ARMSA	S3ARMSA	S4ARMSA	S5ARMSA	S6ARMSA	S7ARMSA	S8ARMSA	S9ARMSA	S10ARMSA
.D=DK/NA	3	2	4	6	3	4	4	3	7
.Q=Not asked this wv	4549								
.R=RF	1	2	1	3		3	1	1	2
.S=Skip		10	7	5	3	1	1	1	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	418	537	311	220	380	317	365	431
.X=Dont do		50	45	36	35	36	26	27	14
0.No	7769	10177	12051	10971	9950	11132	10010	9146	7745
1.Yes	966	1674	1870	1709	1648	1796	1693	1468	1472
Value-----	R2PUSHA	R3PUSHA	R4PUSHA	R5PUSHA	R6PUSHA	R7PUSHA	R8PUSHA	R9PUSHA	R10PUSHA
.D=DK/NA	9	4	6	10	8	15	15	10	15
.M=Oth missing	1	1							
.R=RF	3	4	6	5		6	2	1	5
.S=Skip		35	27	23	7	10	7	8	5
.X=Dont do	451	1556	1677	1523	1332	1227	892	877	444
0.No	14115	12225	14799	13547	12373	14065	12620	11889	10205
1.Yes	5063	4166	4869	4471	4445	4806	4933	4432	4698
Value-----	S2PUSHA	S3PUSHA	S4PUSHA	S5PUSHA	S6PUSHA	S7PUSHA	S8PUSHA	S9PUSHA	S10PUSHA

.D=DK/NA	6		3	2	6	6	6	5	4
.M=Oth missing	1								
.R=RF	2	3	1	3		4	1	1	2
.S=Skip		10	7	5	3	1	1	1	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
.X=Dont do	171	765	818	675	580	531	365	316	160
0.No	10098	8757	10456	9578	8764	9887	8805	8123	6788
1.Yes	2810	2380	2693	2467	2286	2543	2557	2200	2286

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), 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 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 Wave 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 R is not married, spouse variables are set to .U=unmarried. If R'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 functional limitation indices. Please see "Other Summary Indices".

Another version of these variables simply recode 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 (`Rl[func]W`). They codes 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 `Rl[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 `Rl[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 2-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 block, 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

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
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
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
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
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
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
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
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
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
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

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	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
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=Dont do	181
0.No	9441
1.Yes	3030

Value-----	S1WALKSW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	115
0.No	7551
1.Yes	2234

Value-----	R1WALK1W
.X=Dont do	66
0.No	11271
1.Yes	1315

Value-----	S1WALK1W
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	40
0.No	8949
1.Yes	911

Value-----	R1SITW
.X=Dont do	66
0.No	8943
1.Yes	3643

Value-----	S1SITW
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.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	48
0.No	7049
1.Yes	2803

Value-----	R1CHAIRW
.X=Dont do	26
0.No	8152
1.Yes	4474

Value-----	S1CHAIRW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	17
0.No	6476
1.Yes	3407

Value-----	R1CLIMSW
.X=Dont do	300
0.No	6369
1.Yes	5983

Value-----	S1CLIMSW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	198
0.No	5188
1.Yes	4514

Value-----	R1CLIM1W
.X=Dont do	87
0.No	10323
1.Yes	2242

Value-----	S1CLIM1W
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	52
0.No	8259
1.Yes	1589

Value-----	R1STOOPW
.X=Dont do	73
0.No	7258
1.Yes	5321

Value-----	S1STOOPW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	43
0.No	5832
1.Yes	4025

Value-----	R1LIFTW
.X=Dont do	129
0.No	9451
1.Yes	3072

Value-----	S1LIFTW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	83
0.No	7633
1.Yes	2184

Value-----	R1DIMEW
.X=Dont do	9
0.No	11836
1.Yes	807

Value-----	S1DIMEW
.U=Unmar	2373
.V=Sp NR	379
.X=Dont do	6
0.No	9330

1.Yes	|	564
Value-----	|	R1ARMSW
.X=Dont do	|	16
0.No	|	11126
1.Yes	|	1510
Value-----	|	S1ARMSW
.U=Unmar	|	2373
.V=Sp NR	|	379
.X=Dont do	|	10
0.No	|	8838
1.Yes	|	1052
Value-----	|	R1PUSHW
.X=Dont do	|	163
0.No	|	9303
1.Yes	|	3186
Value-----	|	S1PUSHW
.U=Unmar	|	2373
.V=Sp NR	|	379
.X=Dont 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 R is not married, spouse variables are set to .U=unmarried. If R'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:

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
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
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
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
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	15366	0.45	1.10	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	9240	0.31	0.89	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	15366	0.28	0.70	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	9240	0.19	0.58	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 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, RwbBATHA, RwdDRESSA, and RweEATA. Each limitation adds one to the summary measure, that is:

RwADLWA = sum (RwBATHA, RwdDRESSA, RweEATA)

RwADLA = sum (RwBATHA, RwdDRESSA, RweEATA, RwbBEDA, RwwWALKRA)

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 Wave 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 R is not married, spouse variables are set to .U=unmarried. If R'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
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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
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
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
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

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	15363	0.22	0.63	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	9239	0.14	0.51	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	15363	0.43	1.09	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	9239	0.29	0.87	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:

$$R1IADLWW = \text{sum} (R1MAPW, R1CALCW, R1MCWVW)$$

Please "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 R is not married, spouse variables are set to .U=unmarried. If R'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
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
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
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
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
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
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
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
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	15366	1.31	1.59	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	9240	1.07	1.44	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	15362	1.43	1.36	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	9237	1.29	1.32	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	15368	0.66	1.27	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	9241	0.47	1.06	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	15366	0.27	0.64	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	9240	0.20	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. Also 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 R is not married, spouse variables are set to .U=unmarried. If R'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. Also 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
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
1	R1EFFFORX	R1EFFFORX:W1 CESD: Everything an effort-raw	Categ
1	S1EFFFORX	S1EFFFORX:W1 CESD: Everything an effort-raw	Categ
2	R2EFFFORT	R2EFFFORT:W2 CESD: Everything an effort	Categ
3	R3EFFFORT	R3EFFFORT:W3 CESD: Everything an effort	Categ
4	R4EFFFORT	R4EFFFORT:W4 CESD: Everything an effort	Categ
5	R5EFFFORT	R5EFFFORT:W5 CESD: Everything an effort	Categ
6	R6EFFFORT	R6EFFFORT:W6 CESD: Everything an effort	Categ
7	R7EFFFORT	R7EFFFORT:W7 CESD: Everything an effort	Categ
8	R8EFFFORT	R8EFFFORT:W8 CESD: Everything an effort	Categ
9	R9EFFFORT	R9EFFFORT:W9 CESD: Everything an effort	Categ
10	R10EFFFORT	R10EFFFORT:W10 CESD: Everything an effort	Categ
2	S2EFFFORT	S2EFFFORT:W2 CESD: Everything an effort	Categ
3	S3EFFFORT	S3EFFFORT:W3 CESD: Everything an effort	Categ
4	S4EFFFORT	S4EFFFORT:W4 CESD: Everything an effort	Categ
5	S5EFFFORT	S5EFFFORT:W5 CESD: Everything an effort	Categ
6	S6EFFFORT	S6EFFFORT:W6 CESD: Everything an effort	Categ
7	S7EFFFORT	S7EFFFORT:W7 CESD: Everything an effort	Categ
8	S8EFFFORT	S8EFFFORT:W8 CESD: Everything an effort	Categ
9	S9EFFFORT	S9EFFFORT:W9 CESD: Everything an effort	Categ
10	S10EFFFORT	S10EFFFORT:W10 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	R7SLEEP	R7SLEEP:W7	CESD: Sleep was restless	Categ
8	R8SLEEP	R8SLEEP:W8	CESD: Sleep was restless	Categ
9	R9SLEEP	R9SLEEP:W9	CESD: Sleep was restless	Categ
10	R10SLEEP	R10SLEEP:W10	CESD: Sleep was restless	Categ
2	S2SLEEP	S2SLEEP:W2	CESD: Sleep was restless	Categ
3	S3SLEEP	S3SLEEP:W3	CESD: Sleep was restless	Categ
4	S4SLEEP	S4SLEEP:W4	CESD: Sleep was restless	Categ
5	S5SLEEP	S5SLEEP:W5	CESD: Sleep was restless	Categ
6	S6SLEEP	S6SLEEP:W6	CESD: Sleep was restless	Categ
7	S7SLEEP	S7SLEEP:W7	CESD: Sleep was restless	Categ
8	S8SLEEP	S8SLEEP:W8	CESD: Sleep was restless	Categ
9	S9SLEEP	S9SLEEP:W9	CESD: Sleep was restless	Categ
10	S10SLEEP	S10SLEEP:W10	CESD: Sleep was restless	Categ
1	R1WHAPP	R1WHAPP:W1	CESD: Was happy-raw	Categ
1	S1WHAPP	S1WHAPP:W1	CESD: Was happy-raw	Categ
2	R2WHAPP	R2WHAPP:W2	CESD: Was happy	Categ
3	R3WHAPP	R3WHAPP:W3	CESD: Was happy	Categ
4	R4WHAPP	R4WHAPP:W4	CESD: Was happy	Categ
5	R5WHAPP	R5WHAPP:W5	CESD: Was happy	Categ
6	R6WHAPP	R6WHAPP:W6	CESD: Was happy	Categ
7	R7WHAPP	R7WHAPP:W7	CESD: Was happy	Categ
8	R8WHAPP	R8WHAPP:W8	CESD: Was happy	Categ
9	R9WHAPP	R9WHAPP:W9	CESD: Was happy	Categ
10	R10WHAPP	R10WHAPP:W10	CESD: Was happy	Categ
2	S2WHAPP	S2WHAPP:W2	CESD: Was happy	Categ
3	S3WHAPP	S3WHAPP:W3	CESD: Was happy	Categ
4	S4WHAPP	S4WHAPP:W4	CESD: Was happy	Categ
5	S5WHAPP	S5WHAPP:W5	CESD: Was happy	Categ
6	S6WHAPP	S6WHAPP:W6	CESD: Was happy	Categ
7	S7WHAPP	S7WHAPP:W7	CESD: Was happy	Categ
8	S8WHAPP	S8WHAPP:W8	CESD: Was happy	Categ
9	S9WHAPP	S9WHAPP:W9	CESD: Was happy	Categ
10	S10WHAPP	S10WHAPP:W10	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
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

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
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
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
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
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
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
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
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
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
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

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	14180	0.12	0.33	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	8583	0.09	0.29	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	14174	0.23	0.42	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	8580	0.20	0.40	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	14176	0.29	0.45	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	8581	0.26	0.44	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	14149	0.87	0.34	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	8569	0.90	0.31	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	14178	0.16	0.37	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	8583	0.09	0.29	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	14177	0.18	0.38	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	8583	0.14	0.34	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	14146	0.21	0.41	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	8573	0.19	0.39	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	14168	0.91	0.28	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	8584	0.94	0.25	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	14193	1.41	1.95	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	8587	1.14	1.75	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	15372	0.63	2.13	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	9241	0.57	2.05	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=Unmar	2373
.V=Sp 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	R8DEPRES	R9DEPRES	R10DEPRES
.D=DK/NA	13	7	5	6	15	9	13	9	13
.M=Oth missing		2	9	6		36	3		3
.R=RF	6	3	9	2	4	11	9	1	
.S=Skip	1565	1640	2043	2062	2036	1802	1260	1140	1176
0.no	14805	13749	15946	14378	13291	15329	14316	13941	12451
1.yes	3253	2590	3372	3125	2819	2942	2868	2126	1729

Value-----	S2DEPRES	S3DEPRES	S4DEPRES	S5DEPRES	S6DEPRES	S7DEPRES	S8DEPRES	S9DEPRES	S10DEPRES
.D=DK/NA	4	4	1	3	9	5	5	4	4
.M=Oth missing		2	3	1		23	1		2
.R=RF	2	1	4		2	7	6		
.S=Skip	1148	1111	1407	1410	1359	1203	792	657	652
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700

.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	10204	9428	10756	9716	8834	10213	9482	8945	7781
1.yes	1730	1369	1807	1600	1435	1521	1449	1040	802

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=Unmar	2373
.V=Sp 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	R8EFFORT	R9EFFORT	R10EFFORT
.D=DK/NA	27	14	9	7	13	17	29	19	16
.M=Oth missing		1	11	7		36	3		3
.R=RF	9	4	3	2	6	12	11	3	3
.S=Skip	1565	1640	2043	2062	2036	1802	1260	1140	1176
0.no	13689	12693	14244	13303	11953	13771	12652	12397	10862
1.yes	4352	3639	5074	4198	4157	4491	4514	3658	3312

Value-----	S2EFFORT	S3EFFORT	S4EFFORT	S5EFFORT	S6EFFORT	S7EFFORT	S8EFFORT	S9EFFORT	S10EFFORT
.D=DK/NA	6	6	7	1	5	8	9	8	5
.M=Oth missing		1	5	1		23	1		2
.R=RF	2	1	2	1	2	8	6	1	2
.S=Skip	1148	1111	1407	1410	1359	1203	792	657	652
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	9454	8711	9603	8922	7974	9213	8393	8043	6859
1.yes	2478	2085	2954	2395	2299	2517	2534	1937	1721

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=Unmar	2373
.V=Sp 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	R8SLEEPR	R9SLEEPR	R10SLEEPR
.D=DK/NA	15		3	3	15	11	11	9	16
.M=Oth missing		1	12	6		36	3		3
.R=RF	2	3	4	2	6	11	6	1	1
.S=Skip	1565	1640	2043	2062	2036	1802	1260	1140	1176
0.no	12460	11833	12613	11683	11592	12954	12111	10878	10116
1.yes	5600	4514	6709	5823	4516	5315	5078	5189	4060

Value-----	S2SLEEPR	S3SLEEPR	S4SLEEPR	S5SLEEPR	S6SLEEPR	S7SLEEPR	S8SLEEPR	S9SLEEPR	S10SLEEPR
.D=DK/NA	8		2	1	9	6	2	4	6
.M=Oth missing		1	6	1		23	1		2
.R=RF	1	1	2	1	3	7	4		
.S=Skip	1148	1111	1407	1410	1359	1203	792	657	652
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8528	8010	8428	7736	7581	8566	7936	6928	6324
1.yes	3403	2792	4133	3581	2687	3167	3000	3057	2257

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=Unmar	2373

.V=Sp 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	R8WHAPPY	R9WHAPPY	R10WHAPPY
.D=DK/NA		39	16	7	12	28	47	38	17	37
.M=Oth missing			4	14	7		36	3		3
.R=RF		7	6	4	3	7	17	12	2	7
.S=Skip		1565	1640	2043	2062	2036	1802	1260	1140	1176
0.no		2119	1825	2616	2211	2048	2397	2324	2172	1887
1.yes		15912	14500	16700	15284	14046	15830	14832	13886	12262
Value-----		S2WHAPPY	S3WHAPPY	S4WHAPPY	S5WHAPPY	S6WHAPPY	S7WHAPPY	S8WHAPPY	S9WHAPPY	S10WHAPPY
.D=DK/NA		16	8	4	7	11	24	17	6	15
.M=Oth missing			4	6	1		23	1		2
.R=RF		4	2	3	1	3	10	8		3
.S=Skip		1148	1111	1407	1410	1359	1203	792	657	652
.U=Unmar		5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	418	537	311	220	380	317	365	431
0.no		1141	991	1387	1184	1051	1284	1181	1085	894
1.yes		10779	9799	11171	10127	9215	10428	9736	8898	7675
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=Unmar		2373								
.V=Sp 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	R8FLONE	R9FLONE	R10FLONE
.D=DK/NA		8	3	2	6	15	7	14	11	14
.M=Oth missing			2	14	6		36	3		3
.R=RF		4	4	3	2	6	13	9	2	1
.S=Skip		1565	1640	2043	2062	2036	1802	1260	1140	1176
0.no		15235	13742	15864	14281	13182	15075	14139	13479	11871
1.yes		2830	2600	3458	3222	2926	3196	3044	2585	2307
Value-----		S2FLONE	S3FLONE	S4FLONE	S5FLONE	S6FLONE	S7FLONE	S8FLONE	S9FLONE	S10FLONE
.D=DK/NA		4		1	3	9	3	4	4	4
.M=Oth missing			2	6	1		23	1		2
.R=RF		2	1	2	1	2	7	6		
.S=Skip		1148	1111	1407	1410	1359	1203	792	657	652
.U=Unmar		5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	418	537	311	220	380	317	365	431
0.no		10935	9819	11229	10106	9281	10543	9802	9090	7799
1.yes		999	982	1333	1209	988	1193	1130	895	784
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=Unmar		2373								
.V=Sp 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	R8FSAD	R9FSAD	R10FSAD
.D=DK/NA		14	4	4	7	15	13	21	15	14
.M=Oth missing			4	15	6		36	3		3
.R=RF		8	3	4	2	7	13	8	1	2
.S=Skip		1565	1640	2043	2062	2036	1802	1260	1140	1176
0.no		14936	13646	15415	13734	12693	14497	13719	13155	11673

1.yes		3119	2694	3903	3768	3414	3768	3458	2906	2504
Value-----		S2FSAD	S3FSAD	S4FSAD	S5FSAD	S6FSAD	S7FSAD	S8FSAD	S9FSAD	S10FSAD
.D=DK/NA		7	2	2	2	9	6	8	8	4
.M=Oth missing			3	7	1		23	1		2
.R=RF		5	1	3	1	3	8	6		
.S=Skip		1148	1111	1407	1410	1359	1203	792	657	652
.U=Unmar		5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	418	537	311	220	380	317	365	431
0.no		10340	9392	10475	9311	8522	9779	9189	8573	7424
1.yes		1588	1406	2084	2005	1746	1953	1739	1408	1159
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=Unmar		2373								
.V=Sp 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	R8GOING	R9GOING	R10GOING	
.D=DK/NA	28	10	11	7	18	30	30	24	42	
.M=Oth missing		1	16	7		36	3		3	
.R=RF	5	5	4	2	8	14	9	2	5	
.S=Skip	1565	1640	2043	2062	2036	1802	1260	1140	1176	
0.no	14202	13174	14796	13610	12405	14371	13463	12797	11164	
1.yes	3842	3161	4514	3891	3698	3876	3704	3254	2982	
Value-----	S2GOING	S3GOING	S4GOING	S5GOING	S6GOING	S7GOING	S8GOING	S9GOING	S10GOING	
.D=DK/NA	12	5	6	3	11	17	10	14	13	
.M=Oth missing		1	8	1		23	1		2	
.R=RF	1	2	3	1	4	9	6	1	1	
.S=Skip	1148	1111	1407	1410	1359	1203	792	657	652	
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	584	418	537	311	220	380	317	365	431	
0.no	9772	8987	9879	9045	8198	9566	8915	8211	6971	
1.yes	2155	1809	2675	2270	2067	2154	2011	1763	1602	
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=Unmar		2373								
.V=Sp 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	R8ENLIFE	R9ENLIFE	R10ENLIFE	
.D=DK/NA	39	13	12	10	21	23	21	25	19	
.M=Oth missing		3	15	7		36	3		3	
.R=RF	4	6	4	4	7	14	11	3	6	
.S=Skip	1565	1640	2043	2062	2036	1802	1260	1140	1176	
0.no	1359	1131	1595	1386	1174	1460	1434	1390	1209	
1.yes	16675	15198	17715	16110	14927	16794	15740	14659	12959	
Value-----	S2ENLIFE	S3ENLIFE	S4ENLIFE	S5ENLIFE	S6ENLIFE	S7ENLIFE	S8ENLIFE	S9ENLIFE	S10ENLIFE	
.D=DK/NA	15	7	5	2	8	11	10	10	3	
.M=Oth missing		2	7	1		23	1		2	
.R=RF	3	1	3	2	2	8	7			
.S=Skip	1148	1111	1407	1410	1359	1203	792	657	652	
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	584	418	537	311	220	380	317	365	431	
0.no	731	628	861	749	586	754	721	672	556	
1.yes	11191	10166	11695	10566	9684	10973	10204	9307	8028	

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

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	
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

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
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
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
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
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
1	S1DIAB	S1DIAB:W1 S reports diabetes this wv	Categ
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
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
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
1	R1CANCER	R1CANCER:W1 R reports cancer this wv	Categ
2	R2CANCER	R2CANCER:W2 R reports cancer this wv	Categ
3	R3CANCER	R3CANCER:W3 R reports cancer this wv	Categ
4	R4CANCER	R4CANCER:W4 R reports cancer this wv	Categ
5	R5CANCER	R5CANCER:W5 R reports cancer this wv	Categ
6	R6CANCER	R6CANCER:W6 R reports cancer this wv	Categ
7	R7CANCER	R7CANCER:W7 R reports cancer this wv	Categ
8	R8CANCER	R8CANCER:W8 R reports cancer this wv	Categ
9	R9CANCER	R9CANCER:W9 R reports cancer this wv	Categ
10	R10CANCER	R10CANCER:W10 R reports cancer this wv	Categ
1	S1CANCER	S1CANCER:W1 S reports cancer this wv	Categ
2	S2CANCER	S2CANCER:W2 S reports cancer this wv	Categ
3	S3CANCER	S3CANCER:W3 S reports cancer this wv	Categ
4	S4CANCER	S4CANCER:W4 S reports cancer this wv	Categ
5	S5CANCER	S5CANCER:W5 S reports cancer this wv	Categ
6	S6CANCER	S6CANCER:W6 S reports cancer this wv	Categ
7	S7CANCER	S7CANCER:W7 S reports cancer this wv	Categ
8	S8CANCER	S8CANCER:W8 S reports cancer this wv	Categ
9	S9CANCER	S9CANCER:W9 S reports cancer this wv	Categ
10	S10CANCER	S10CANCER:W10 S reports cancer this wv	Categ
1	R1CANCERQ	R1CANCERQ:W1 Q-wording cancer this wv	Categ
2	R2CANCERQ	R2CANCERQ:W2 Q-wording cancer this wv	Categ
3	R3CANCERQ	R3CANCERQ:W3 Q-wording cancer this wv	Categ
4	R4CANCERQ	R4CANCERQ:W4 Q-wording cancer this wv	Categ
5	R5CANCERQ	R5CANCERQ:W5 Q-wording cancer this wv	Categ
6	R6CANCERQ	R6CANCERQ:W6 Q-wording cancer this wv	Categ
7	R7CANCERQ	R7CANCERQ:W7 Q-wording cancer this wv	Categ
8	R8CANCERQ	R8CANCERQ:W8 Q-wording cancer this wv	Categ
9	R9CANCERQ	R9CANCERQ:W9 Q-wording cancer this wv	Categ
10	R10CANCERQ	R10CANCERQ:W10 Q-wording cancer this wv	Categ

1	S1CANCRO	S1CANCRO:W1	Q-wording cancer this wv	Categ
2	S2CANCRO	S2CANCRO:W2	Q-wording cancer this wv	Categ
3	S3CANCRO	S3CANCRO:W3	Q-wording cancer this wv	Categ
4	S4CANCRO	S4CANCRO:W4	Q-wording cancer this wv	Categ
5	S5CANCRO	S5CANCRO:W5	Q-wording cancer this wv	Categ
6	S6CANCRO	S6CANCRO:W6	Q-wording cancer this wv	Categ
7	S7CANCRO	S7CANCRO:W7	Q-wording cancer this wv	Categ
8	S8CANCRO	S8CANCRO:W8	Q-wording cancer this wv	Categ
9	S9CANCRO	S9CANCRO:W9	Q-wording cancer this wv	Categ
10	S10CANCRO	S10CANCRO:W10	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
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
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
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
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
1	S1HEART	S1HEART:W1 S reports heart prob this wv	Categ
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
7	S7HEART	S7HEART:W7 S reports heart prob this wv	Categ
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
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
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
1	R1STROK	R1STROK:W1 R reports stroke this wv	Categ
2	R2STROK	R2STROK:W2 R reports stroke this wv	Categ
3	R3STROK	R3STROK:W3 R reports stroke this wv	Categ
4	R4STROK	R4STROK:W4 R reports stroke this wv	Categ
5	R5STROK	R5STROK:W5 R reports stroke this wv	Categ
6	R6STROK	R6STROK:W6 R reports stroke this wv	Categ
7	R7STROK	R7STROK:W7 R reports stroke this wv	Categ
8	R8STROK	R8STROK:W8 R reports stroke this wv	Categ
9	R9STROK	R9STROK:W9 R reports stroke this wv	Categ
10	R10STROK	R10STROK:W10 R reports stroke this wv	Categ
1	S1STROK	S1STROK:W1 S reports stroke this wv	Categ
2	S2STROK	S2STROK:W2 S reports stroke this wv	Categ
3	S3STROK	S3STROK:W3 S reports stroke this wv	Categ
4	S4STROK	S4STROK:W4 S reports stroke this wv	Categ
5	S5STROK	S5STROK:W5 S reports stroke this wv	Categ
6	S6STROK	S6STROK:W6 S reports stroke this wv	Categ
7	S7STROK	S7STROK:W7 S reports stroke this wv	Categ
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9	S9STROK	S9STROK:W9 S reports stroke this wv	Categ
10	S10STROK	S10STROK:W10 S reports stroke this wv	Categ
1	R1STROKQ	R1STROKQ:W1 Q-wording stroke this wv	Categ
2	R2STROKQ	R2STROKQ:W2 Q-wording stroke this wv	Categ
3	R3STROKQ	R3STROKQ:W3 Q-wording stroke this wv	Categ
4	R4STROKQ	R4STROKQ:W4 Q-wording stroke this wv	Categ

5	R5STROKQ	R5STROKQ:W5 Q-wording stroke this wv	Categ
6	R6STROKQ	R6STROKQ:W6 Q-wording stroke this wv	Categ
7	R7STROKQ	R7STROKQ:W7 Q-wording stroke this wv	Categ
8	R8STROKQ	R8STROKQ:W8 Q-wording stroke this wv	Categ
9	R9STROKQ	R9STROKQ:W9 Q-wording stroke this wv	Categ
10	R10STROKQ	R10STROKQ:W10 Q-wording stroke this wv	Categ
1	S1STROKQ	S1STROKQ:W1 Q-wording stroke this wv	Categ
2	S2STROKQ	S2STROKQ:W2 Q-wording stroke this wv	Categ
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
6	S6STROKQ	S6STROKQ:W6 Q-wording stroke this wv	Categ
7	S7STROKQ	S7STROKQ:W7 Q-wording stroke this wv	Categ
8	S8STROKQ	S8STROKQ:W8 Q-wording stroke this wv	Categ
9	S9STROKQ	S9STROKQ:W9 Q-wording stroke this wv	Categ
10	S10STROKQ	S10STROKQ:W10 Q-wording stroke this wv	Categ
1	R1PSYCH	R1PSYCH:W1 R reports psych prob this wv	Categ
2	R2PSYCH	R2PSYCH:W2 R reports psych prob this wv	Categ
3	R3PSYCH	R3PSYCH:W3 R reports psych prob this wv	Categ
4	R4PSYCH	R4PSYCH:W4 R reports psych prob this wv	Categ
5	R5PSYCH	R5PSYCH:W5 R reports psych prob this wv	Categ
6	R6PSYCH	R6PSYCH:W6 R reports psych prob this wv	Categ
7	R7PSYCH	R7PSYCH:W7 R reports psych prob this wv	Categ
8	R8PSYCH	R8PSYCH:W8 R reports psych prob this wv	Categ
9	R9PSYCH	R9PSYCH:W9 R reports psych prob this wv	Categ
10	R10PSYCH	R10PSYCH:W10 R reports psych prob this wv	Categ
1	S1PSYCH	S1PSYCH:W1 S reports psych prob this wv	Categ
2	S2PSYCH	S2PSYCH:W2 S reports psych prob this wv	Categ
3	S3PSYCH	S3PSYCH:W3 S reports psych prob this wv	Categ
4	S4PSYCH	S4PSYCH:W4 S reports psych prob this wv	Categ
5	S5PSYCH	S5PSYCH:W5 S reports psych prob this wv	Categ
6	S6PSYCH	S6PSYCH:W6 S reports psych prob this wv	Categ
7	S7PSYCH	S7PSYCH:W7 S reports psych prob this wv	Categ
8	S8PSYCH	S8PSYCH:W8 S reports psych prob this wv	Categ
9	S9PSYCH	S9PSYCH:W9 S reports psych prob this wv	Categ
10	S10PSYCH	S10PSYCH:W10 S reports psych prob this wv	Categ
1	R1PSYCHQ	R1PSYCHQ:W1 Q-wording psych prob this wv	Categ
2	R2PSYCHQ	R2PSYCHQ:W2 Q-wording psych prob this wv	Categ
3	R3PSYCHQ	R3PSYCHQ:W3 Q-wording psych prob this wv	Categ
4	R4PSYCHQ	R4PSYCHQ:W4 Q-wording psych prob this wv	Categ
5	R5PSYCHQ	R5PSYCHQ:W5 Q-wording psych prob this wv	Categ
6	R6PSYCHQ	R6PSYCHQ:W6 Q-wording psych prob this wv	Categ
7	R7PSYCHQ	R7PSYCHQ:W7 Q-wording psych prob this wv	Categ
8	R8PSYCHQ	R8PSYCHQ:W8 Q-wording psych prob this wv	Categ
9	R9PSYCHQ	R9PSYCHQ:W9 Q-wording psych prob this wv	Categ
10	R10PSYCHQ	R10PSYCHQ:W10 Q-wording psych prob this wv	Categ
1	S1PSYCHQ	S1PSYCHQ:W1 Q-wording psych prob this wv	Categ
2	S2PSYCHQ	S2PSYCHQ:W2 Q-wording psych prob this wv	Categ
3	S3PSYCHQ	S3PSYCHQ:W3 Q-wording psych prob this wv	Categ
4	S4PSYCHQ	S4PSYCHQ:W4 Q-wording psych prob this wv	Categ
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
1	R1ARTHR	R1ARTHR:W1 R reports arthritis this wv	Categ

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
6	R6ARTHR	R6ARTHR:W6 R reports arthritis this wv	Categ
7	R7ARTHR	R7ARTHR:W7 R reports arthritis this wv	Categ
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
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
8	S8ARTHR	S8ARTHR:W8 S reports arthritis this wv	Categ
9	S9ARTHR	S9ARTHR:W9 S reports arthritis this wv	Categ
10	S10ARTHR	S10ARTHR:W10 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
3	R3ARTHRQ	R3ARTHRQ:W3 Q-wording arthritis this wv	Categ
4	R4ARTHRQ	R4ARTHRQ:W4 Q-wording arthritis this wv	Categ
5	R5ARTHRQ	R5ARTHRQ:W5 Q-wording arthritis this wv	Categ
6	R6ARTHRQ	R6ARTHRQ:W6 Q-wording arthritis this wv	Categ
7	R7ARTHRQ	R7ARTHRQ:W7 Q-wording arthritis this wv	Categ
8	R8ARTHRQ	R8ARTHRQ:W8 Q-wording arthritis this wv	Categ
9	R9ARTHRQ	R9ARTHRQ:W9 Q-wording arthritis this wv	Categ
10	R10ARTHRQ	R10ARTHRQ:W10 Q-wording arthritis this wv	Categ
1	S1ARTHRQ	S1ARTHRQ:W1 Q-wording arthritis this wv	Categ
2	S2ARTHRQ	S2ARTHRQ:W2 Q-wording arthritis this wv	Categ
3	S3ARTHRQ	S3ARTHRQ:W3 Q-wording arthritis this wv	Categ
4	S4ARTHRQ	S4ARTHRQ:W4 Q-wording arthritis this wv	Categ
5	S5ARTHRQ	S5ARTHRQ:W5 Q-wording arthritis this wv	Categ
6	S6ARTHRQ	S6ARTHRQ:W6 Q-wording arthritis this wv	Categ
7	S7ARTHRQ	S7ARTHRQ:W7 Q-wording arthritis this wv	Categ
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

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	15326	0.69	0.62	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	9225	0.65	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	15372	2.71	0.76	1.0	11.0
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	9241	2.66	0.77	1.0	11.0
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	15348	0.27	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	9234	0.26	0.53	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	15372	2.35	0.77	1.0	11.0
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	9241	2.33	0.77	1.0	11.0
R1CANCER	12652	0.06	0.23	0.0	1.0
R2CANCER	19050	0.07	0.25	0.0	1.0
R3CANCER	17978	0.13	0.46	0.0	5.0
R4CANCER	21373	0.12	0.41	0.0	5.0
R5CANCER	19564	0.13	0.40	0.0	4.0
R6CANCER	18158	0.15	0.39	0.0	4.0
R7CANCER	20113	0.14	0.40	0.0	4.0
R8CANCER	18452	0.16	0.41	0.0	4.0
R9CANCER	17205	0.17	0.43	0.0	4.0
R10CANCER	15354	0.18	0.43	0.0	4.0
S1CANCER	9900	0.05	0.23	0.0	1.0
S2CANCER	12659	0.06	0.23	0.0	1.0
S3CANCER	11905	0.12	0.45	0.0	5.0
S4CANCER	13974	0.11	0.37	0.0	5.0
S5CANCER	12725	0.13	0.39	0.0	4.0
S6CANCER	11633	0.14	0.38	0.0	4.0
S7CANCER	12964	0.13	0.38	0.0	4.0
S8CANCER	11728	0.14	0.38	0.0	4.0
S9CANCER	10639	0.16	0.42	0.0	4.0
S10CANCER	9230	0.17	0.41	0.0	4.0
R1CANCERQ	12652	1.00	0.00	1.0	1.0
R2CANCERQ	19642	1.71	1.01	1.0	15.0
R3CANCERQ	17991	2.08	0.46	1.0	16.0
R4CANCERQ	21384	1.84	0.58	1.0	16.0
R5CANCERQ	19579	2.09	0.35	1.0	11.0
R6CANCERQ	18165	2.27	0.78	1.0	12.0
R7CANCERQ	20129	2.07	0.85	1.0	16.0
R8CANCERQ	18469	2.28	0.76	1.0	12.0
R9CANCERQ	17217	2.26	0.72	1.0	16.0
R10CANCERQ	15372	2.29	0.76	1.0	11.0
S1CANCERQ	9900	1.00	0.00	1.0	1.0
S2CANCERQ	13088	1.83	1.11	1.0	15.0
S3CANCERQ	11915	2.06	0.43	1.0	16.0
S4CANCERQ	13978	1.82	0.58	1.0	16.0
S5CANCERQ	12730	2.08	0.36	1.0	11.0
S6CANCERQ	11639	2.25	0.78	1.0	12.0
S7CANCERQ	12972	2.04	0.86	1.0	16.0
S8CANCERQ	11735	2.27	0.78	1.0	12.0
S9CANCERQ	10646	2.25	0.72	1.0	16.0
S10CANCERQ	9241	2.27	0.76	1.0	11.0
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	15355	0.14	0.45	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	9236	0.12	0.41	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	15372	2.25	0.75	1.0	11.0
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	9241	2.22	0.74	1.0	11.0
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	15349	0.32	0.58	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	9230	0.30	0.56	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	15372	2.38	0.78	1.0	11.0
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	9241	2.35	0.78	1.0	11.0
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	15360	0.10	0.36	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	9236	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	15372	2.28	1.20	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	9241	2.24	1.12	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	15336	0.23	0.56	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	9231	0.20	0.51	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	15372	2.32	0.77	1.0	11.0
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	9241	2.28	0.76	1.0	11.0
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	15337	0.70	0.62	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	9227	0.66	0.63	0.0	4.0
R1ARTHRQ	12652	1.00	0.00	1.0	1.0

11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC	28			1		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-----	R1DIAB	R2DIAB	R3DIAB	R4DIAB	R5DIAB	R6DIAB	R7DIAB	R8DIAB	R9DIAB	R10DIAB
.D=DK/NA		10	8	12	4	6	17	17	15	21
.M=other missing			2					1		
.P=preload Y but NO prv wv		1								
.R=RF			2		4	2	4	2	3	3
.Y=via preload+Yes prev wv		1203								
0. No	11262	17057	15334	18224	16453	14895	16398	14626	13323	11566
1. Yes	1390	1371	2480	3043	3007	3191	3609	3716	3771	3649
3. Disp prev record and has					3	3	5	3	3	4
4. Disp prev record and no					108	68	96	104	102	129
5. Disp prev record (DK if			165	105						

Value-----	S1DIAB	S2DIAB	S3DIAB	S4DIAB	S5DIAB	S6DIAB	S7DIAB	S8DIAB	S9DIAB	S10DIAB
.D=DK/NA		3	4	3	2	3	6	6	7	6
.M=other missing			2							
.R=RF					2	1	1	1	1	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
.Y=via preload+Yes prev wv		857								
0. No	8877	11468	10251	12037	10791	9615	10660	9416	8334	7028
1. Yes	1023	760	1546	1869	1869	1976	2240	2245	2246	2134
3. Disp prev record and has					2	3	4	1	2	3
4. Disp prev record and no					64	41	61	66	56	69
5. Disp prev record (DK if			112	69						

Value-----	R1DIABQ	R2DIABQ	R3DIABQ	R4DIABQ	R5DIABQ	R6DIABQ	R7DIABQ	R8DIABQ	R9DIABQ	R10DIABQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471	207	143	124
2.ReIvw,NoCond: have had si		10103	15518	14169	16706	14399	13075	14238	13126	11413
3.ReIvw,Cond: last time sai			2200	2116	2603	2461	2618	2997	3132	3020
4.ReIvw,Cond: Skip question		1203								
5.ReIvw/NewR: have ever had						1072	959	1020	816	807
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		11		2						
16.ReIvw,NoCond BUT Pre=Con			1	3						

Value-----	S1DIABQ	S2DIABQ	S3DIABQ	S4DIABQ	S5DIABQ	S6DIABQ	S7DIABQ	S8DIABQ	S9DIABQ	S10DIABQ
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484	198	139	122
2.ReIvw,NoCond: have had si		7774	10308	9161	10892	9277	8306	9078	8202	6928
3.ReIvw,Cond: last time sai			1366	1307	1587	1498	1599	1784	1831	1742
4.ReIvw,Cond: Skip question		857								
5.ReIvw/NewR: have ever had						648	577	668	474	441
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		6		2						
16.ReIvw,NoCond BUT Pre=Con				1						

Value-----	R1CANCER	R2CANCER	R3CANCER	R4CANCER	R5CANCER	R6CANCER	R7CANCER	R8CANCER	R9CANCER	R10CANCER
.D=DK/NA		9	7	10	10	5	13	14	9	17
.M=other missing			2					1		
.R=RF		3	3	1	5	2	3	2	3	1
.T=Other			1							
.Y=via preload+Yes prev wv		580								
0. No	11949	17777	16010	18978	17151	15665	17420	15746	14477	12736
1. Yes	703	1273	1880	2333	2344	2444	2630	2652	2670	2571
3. Disp prev record and has					1	3	1	2		
4. Disp prev record and no					68	46	62	52	58	47
5. Disp prev record (DK if			88	62						

Value-----	S1CANCER	S2CANCER	S3CANCER	S4CANCER	S5CANCER	S6CANCER	S7CANCER	S8CANCER	S9CANCER	S10CANCER
.D=DK/NA		4	6	3	3	4	7	6	5	10
.M=other missing			2							
.R=RF		3	1	1	2	2	1	1	2	1
.T=Other			1							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431

.Y=via preload+Yes prev wv		422								
0. No	9365	11948	10694	12498	11248	10122	11334	10116	9021	7676
1. Yes	535	711	1154	1452	1435	1483	1595	1592	1582	1534
3. Disp prev record and has					1	2	1			
4. Disp prev record and no					41	26	34	20	36	20
5. Disp prev record (DK if			57	24						

Value-----	R1CANCRO	R2CANCRO	R3CANCRO	R4CANCRO	R5CANCRO	R6CANCRO	R7CANCRO	R8CANCRO	R9CANCRO	R10CANCRO
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471	207	143	124
2.ReIvw,NoCond: have had si		10728	16165	14760	17370	14962	13688	15072	14055	12360
3.ReIvw,Cond: last time sai			1543	1525	1939	1898	2004	2163	2201	2073
4.ReIvw,Cond: Skip question		580								
5.ReIvw/NewR: have ever had					1072	959	1020	816		807
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		9	10	3						
16.ReIvw,NoCond BUT Pre=Con			1	2			1		2	

Value-----	S1CANCRO	S2CANCRO	S3CANCRO	S4CANCRO	S5CANCRO	S6CANCRO	S7CANCRO	S8CANCRO	S9CANCRO	S10CANCRO
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484	198	139	122
2.ReIvw,NoCond: have had si		8208	10747	9560	11311	9641	8709	9603	8733	7454
3.ReIvw,Cond: last time sai			921	909	1168	1134	1195	1259	1298	1216
4.ReIvw,Cond: Skip question		422								
5.ReIvw/NewR: have ever had					648	577	668	474		441
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		7	5	1						
16.ReIvw,NoCond BUT Pre=Con			1	1			1		2	

Value-----	R1LUNG	R2LUNG	R3LUNG	R4LUNG	R5LUNG	R6LUNG	R7LUNG	R8LUNG	R9LUNG	R10LUNG
.D=DK/NA		8	2	7	9	8	10	18	8	16
.M=other missing			2					1		
.R=RF		1	2		4	2	3	2	3	1
.T=Other			1							
.Y=via preload+Yes prev wv		879								
0. No	11634	17581	15971	19239	17575	16304	18077	16454	15223	13518
1. Yes	1018	1173	1751	1932	1792	1761	1900	1869	1872	1729
3. Disp prev record and has					10	1	4	2	3	6
4. Disp prev record and no					189	89	135	123	108	102
5. Disp prev record (DK if			262	206						

Value-----	S1LUNG	S2LUNG	S3LUNG	S4LUNG	S5LUNG	S6LUNG	S7LUNG	S8LUNG	S9LUNG	S10LUNG
.D=DK/NA		5	1	2	5	4	3	7	5	4
.M=other missing			2							
.R=RF		1			2	2		1	2	1
.T=Other			1							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
.Y=via preload+Yes prev wv		614								
0. No	9157	11811	10684	12728	11575	10603	11824	10632	9582	8278
1. Yes	743	657	1072	1121	1043	982	1057	1027	1002	909
3. Disp prev record and has					4	1	3	2	1	1
4. Disp prev record and no					101	47	85	66	54	48
5. Disp prev record (DK if			155	127						

Value-----	R1LUNGQ	R2LUNGQ	R3LUNGQ	R4LUNGQ	R5LUNGQ	R6LUNGQ	R7LUNGQ	R8LUNGQ	R9LUNGQ	R10LUNGQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471	207	143	124
2.ReIvw,NoCond: have had si		10433	16000	14793	17680	15465	14257	15675	14696	12980
3.ReIvw,Cond: last time sai			1717	1479	1629	1393	1436	1560	1562	1453
4.ReIvw,Cond: Skip question		879								
5.ReIvw/NewR: have ever had					1072	959	1020	816		807
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		29		1		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-----	S1LUNGQ	S2LUNGQ	S3LUNGQ	S4LUNGQ	S5LUNGQ	S6LUNGQ	S7LUNGQ	S8LUNGQ	S9LUNGQ	S10LUNGQ
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484	198	139	122

2.ReIvw,NoCond: have had si	8021	10631	9592	11559	10003	9115	10028	9212	7909	
3.ReIvw,Cond: last time sai		1043	868	920	770	790	834	821	761	
4.ReIvw,Cond: Skip question	614									
5.ReIvw/NewR: have ever had					648	577	668	474	441	
10.Ovrlap-93Ivw: have had [	104									
11.ReIvw BUT Pre=NewIvw: ha		1	3	4	6	5	6		8	
12.NewIvw BUT Pre=ReIvw,NoC	28		1		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-----	R1HEART	R2HEART	R3HEART	R4HEART	R5HEART	R6HEART	R7HEART	R8HEART	R9HEART	R10HEART
.D=DK/NA		10	1	13	4	10	19	17	14	21
.M=other missing			2					1		
.R=RF			2		4	2	2	2	4	2
0. No	10986	16422	13601	16368	15031	13481	15174	13572	12501	10974
1. Yes	1666	3210	4119	4307	4374	4551	4789	4700	4511	4215
3. Disp prev record and has					6	3	3	2	4	1
4. Disp prev record and no					160	118	142	175	183	159
5. Disp prev record (DK if			266	179						
6. Preld prob:prev had/no n				517						
Value-----	S1HEART	S2HEART	S3HEART	S4HEART	S5HEART	S6HEART	S7HEART	S8HEART	S9HEART	S10HEART
.D=DK/NA		4		5	1	4	7	3	8	10
.M=other missing			2							
.R=RF					2	2		1	2	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0. No	8614	11311	9255	10970	9990	8887	10053	8887	7927	6739
1. Yes	1286	1773	2504	2655	2638	2686	2827	2748	2617	2411
3. Disp prev record and has					3	2	1	1	3	
4. Disp prev record and no					96	58	84	95	89	80
5. Disp prev record (DK if			154	98						
6. Preld prob:prev had/no n				250						
Value-----	R1HEARTQ	R2HEARTQ	R3HEARTQ	R4HEARTQ	R5HEARTQ	R6HEARTQ	R7HEARTQ	R8HEARTQ	R9HEARTQ	R10HEARTQ
1.NewIvw: have had [ever]	12652	8188	270	5090	265	226	3471	207	143	124
2.ReIvw,NoCond: have had si		9813	14070	12790	15647	13195	12058	13336	12412	10951
3.ReIvw,Cond: last time sai			3645	2570	3660	3460	3634	3899	3844	3482
5.ReIvw/NewR: have ever had						1072	959	1020	816	807
6.ReIvw,Cond: told had sinc		1442								
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		15		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		6	3	906	2				1	
16.ReIvw,NoCond BUT Pre=Con			1	24		205	1		1	
18.NewIvw BUT Pre=ReIvw,Con		15								
19.ReIvw,NoCond BUT Pre=Con		56								
Value-----	S1HEARTQ	S2HEARTQ	S3HEARTQ	S4HEARTQ	S5HEARTQ	S6HEARTQ	S7HEARTQ	S8HEARTQ	S9HEARTQ	S10HEARTQ
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.NewIvw: have had [ever]	9900	4318	240	3503	247	209	2484	198	139	122
2.ReIvw,NoCond: have had si		7524	9472	8416	10247	8609	7770	8589	7825	6683
3.ReIvw,Cond: last time sai			2201	1611	2230	2077	2135	2273	2208	1987
5.ReIvw/NewR: have ever had						648	577	668	474	441
6.ReIvw,Cond: told had sinc		1071								
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		14		1		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-----	R1STROK	R2STROK	R3STROK	R4STROK	R5STROK	R6STROK	R7STROK	R8STROK	R9STROK	R10STROK
.D=DK/NA		4	4	8	2	8	6	12	10	10
.M=other missing			2					1		
.R=RF			2		5	2	1	2	4	2
.Y=via preload+Yes prev vw		323								
0. No	12257	18384	16679	19792	18088	16718	18627	16988	15765	13975
1. Yes	395	792	1106	1363	1319	1273	1327	1298	1284	1263
2. TIA/possible stroke		139	130	167	123	146	141	126	124	90
3. Disp prev record and has					4	2	2	3	1	2

12.NewIvw BUT Pre=ReIvw,NoC	29		1			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-----	S1PSYCHQ	S2PSYCHQ	S3PSYCHQ	S4PSYCHQ	S5PSYCHQ	S6PSYCHQ	S7PSYCHQ	S8PSYCHQ	S9PSYCHQ	S10PSYCHQ
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484	198	139	122
2.ReIvw,NoCond: have had si		7868	10302	9223	11012	9464	8597	9427	8599	7369
3.ReIvw,Cond: last time sai			1363	1241	1467	1311	1308	1435	1434	1301
4.ReIvw,Cond: Skip question		763								
5.ReIvw/NewR: have ever had						648	577	668	474	441
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		28		1		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-----	R1ARTHRR	R2ARTHRR	R3ARTHRR	R4ARTHRR	R5ARTHRR	R6ARTHRR	R7ARTHRR	R8ARTHRR	R9ARTHRR	R10ARTHRR
.D=DK/NA		11	4	21	9	24	23	16	23	33
.M=other missing			2					1		
.R=RF			2	1	6	2	2	2	4	2
.T=Other			1							
.Y=via preload+Yes prev wv		4241								
0. No	7880	12348	8497	9772	8117	7045	8349	7169	6301	5316
1. Yes	4772	3042	9101	11257	11116	10840	11472	11037	10587	9794
3. Disp prev record and has					14	9	9	6	5	8
4. Disp prev record and no					317	245	274	238	297	219
5. Disp prev record (DK if			384	333						

Value-----	S1ARTHRR	S2ARTHRR	S3ARTHRR	S4ARTHRR	S5ARTHRR	S6ARTHRR	S7ARTHRR	S8ARTHRR	S9ARTHRR	S10ARTHRR
.D=DK/NA		5	4	9	6	11	12	4	12	13
.M=other missing			2							
.R=RF				1	2	2	1	1	2	1
.T=Other			1							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
.Y=via preload+Yes prev wv		3076								
0. No	6323	8325	5987	6919	5764	4883	5874	5004	4280	3512
1. Yes	3577	1682	5643	6834	6746	6580	6916	6590	6167	5584
3. Disp prev record and has					9	6	7	3	2	2
4. Disp prev record and no					203	157	162	133	183	129
5. Disp prev record (DK if			278	215						

Value-----	R1ARTHRRQ	R2ARTHRRQ	R3ARTHRRQ	R4ARTHRRQ	R5ARTHRRQ	R6ARTHRRQ	R7ARTHRRQ	R8ARTHRRQ	R9ARTHRRQ	R10ARTHRRQ
1.NewIvw: have had [ever]	12652	8189	270	5090	265	226	3471	207	143	124
2.ReIvw,NoCond: have had si		7044	11104	8148	9210	7435	6357	7346	6584	5597
3.ReIvw,Cond: last time sai			6612	8136	10099	9421	9336	9889	9674	8836
4.ReIvw,Cond: Skip question		4241								
5.ReIvw/NewR: have ever had						1072	959	1020	816	807
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	5	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		29		1				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-----	S1ARTHRRQ	S2ARTHRRQ	S3ARTHRRQ	S4ARTHRRQ	S5ARTHRRQ	S6ARTHRRQ	S7ARTHRRQ	S8ARTHRRQ	S9ARTHRRQ	S10ARTHRRQ
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.NewIvw: have had [ever]	9900	4319	240	3503	247	209	2484	198	139	122
2.ReIvw,NoCond: have had si		5543	7394	5589	6435	5117	4338	5038	4432	3660
3.ReIvw,Cond: last time sai			4280	4877	6044	5656	5567	5824	5601	5010
4.ReIvw,Cond: Skip question		3076								
5.ReIvw/NewR: have ever had						648	577	668	474	441
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	4	6	5	6		8
12.NewIvw BUT Pre=ReIvw,NoC		28		1				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						

How Constructed:

RwHIBP, RwdIAB, RwcANCRC, RwlLUNG, RwhHEART, RwsSTROK, RwsPSYCH, and RwaARTHR 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, RwcANCRCQ, RwlLUNGQ, RwhHEARTQ, RwsSTROKQ, RwsPSYCHQ, and RwaARTHRQ 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 R has a prior interview but the preload indicates this is a new interview, so the question asks if R has ever been told about a condition, and 15 means that R previously reported having a condition but the preload indicates a prior interview and no condition, so the question asks if R 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, RwcANCRC, RwlLUNG, RwhHEART, RwsSTROK, RwsPSYCH, and RwaARTHR 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 R 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 R 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 R 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, 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 R reports no condition since last interview. These cases had previously reported a heart condition.

SwHIBP, SwDIAB, SwCANCR, SwLUNG, SwHEART, SwSTROK, SwPSYCH, SwARTH, SwHIBPQ, SwDIABQ, SwCANCRQ, SwLUNGQ, SwHEARTQ, SwSTROKQ, SwPSYCHQ, and SwARTHQ 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 R 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. 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

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:

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
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
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
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
MC070 ARTHRITIS
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

Doctor diagnosed health problems: Ever Have Condition
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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
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
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
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
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
1	S1DIABE	S1DIABE:W1 S ever had diabetes	Categ
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
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
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
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
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
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
9	R9CANCRF	R9CANCRF:W9 Flag dispute chg cancer	Categ
10	R10CANCRF	R10CANCRF:W10 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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	0.47	0.50	0.0	1.0
R6HIBPE	18143	0.51	0.50	0.0	1.0
R7HIBPE	20100	0.51	0.50	0.0	1.0
R8HIBPE	18441	0.56	0.50	0.0	1.0
R9HIBPE	17183	0.60	0.49	0.0	1.0
R10HIBPE	15332	0.64	0.48	0.0	1.0
S1HIBPE	9900	0.32	0.47	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	0.41	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	0.53	0.50	0.0	1.0
S9HIBPE	10631	0.57	0.50	0.0	1.0
S10HIBPE	9222	0.61	0.49	0.0	1.0
R1HIBPF	12652	0.46	1.50	0.0	6.0
R2HIBPF	19642	0.45	1.52	0.0	6.0
R3HIBPF	17991	0.43	1.40	0.0	6.0
R4HIBPF	21384	0.33	1.26	0.0	6.0
R5HIBPF	19579	0.29	1.18	0.0	8.0
R6HIBPF	18165	0.32	1.39	0.0	10.0
R7HIBPF	20129	0.26	1.24	0.0	10.0
R8HIBPF	18469	0.22	1.19	0.0	10.0
R9HIBPF	17217	0.16	1.00	0.0	10.0
R10HIBPF	15372	0.10	0.86	0.0	10.0
S1HIBPF	9900	0.45	1.49	0.0	6.0
S2HIBPF	13088	0.45	1.51	0.0	6.0
S3HIBPF	11915	0.41	1.36	0.0	6.0
S4HIBPF	13978	0.32	1.23	0.0	6.0
S5HIBPF	12730	0.28	1.16	0.0	8.0
S6HIBPF	11639	0.30	1.31	0.0	10.0
S7HIBPF	12972	0.23	1.15	0.0	10.0
S8HIBPF	11735	0.21	1.15	0.0	10.0
S9HIBPF	10646	0.13	0.91	0.0	10.0
S10HIBPF	9241	0.10	0.83	0.0	10.0
R1DIABE	12652	0.10	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	0.15	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	18435	0.20	0.40	0.0	1.0
R9DIABE	17185	0.21	0.41	0.0	1.0
R10DIABE	15332	0.24	0.43	0.0	1.0
S1DIABE	9900	0.09	0.29	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	0.17	0.37	0.0	1.0
S8DIABE	11720	0.19	0.39	0.0	1.0
S9DIABE	10632	0.21	0.40	0.0	1.0
S10DIABE	9228	0.23	0.42	0.0	1.0
R1DIABF	12652	0.19	0.94	0.0	6.0
R2DIABF	19642	0.16	0.91	0.0	6.0
R3DIABF	17991	0.16	0.84	0.0	6.0
R4DIABF	21384	0.13	0.79	0.0	6.0
R5DIABF	19579	0.12	0.76	0.0	8.0
R6DIABF	18165	0.13	0.85	0.0	10.0
R7DIABF	20129	0.11	0.78	0.0	10.0
R8DIABF	18469	0.10	0.76	0.0	10.0
R9DIABF	17217	0.08	0.67	0.0	10.0
R10DIABF	15372	0.04	0.49	0.0	10.0

S1DIABF	9900	0.18	0.93	0.0	6.0
S2DIABF	13088	0.17	0.93	0.0	6.0
S3DIABF	11915	0.16	0.85	0.0	6.0
S4DIABF	13978	0.13	0.78	0.0	6.0
S5DIABF	12730	0.12	0.75	0.0	8.0
S6DIABF	11639	0.13	0.83	0.0	10.0
S7DIABF	12972	0.11	0.77	0.0	10.0
S8DIABF	11735	0.10	0.75	0.0	10.0
S9DIABF	10646	0.07	0.64	0.0	10.0
S10DIABF	9241	0.04	0.50	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	0.16	0.36	0.0	1.0
R10CANCRE	15321	0.17	0.38	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	0.29	0.0	1.0
S4CANCRE	13965	0.10	0.30	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	0.33	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	9218	0.17	0.38	0.0	1.0
R1CANCRF	12652	0.08	0.64	0.0	6.0
R2CANCRF	19642	0.10	0.71	0.0	6.0
R3CANCRF	17991	0.10	0.69	0.0	6.0
R4CANCRF	21384	0.08	0.63	0.0	6.0
R5CANCRF	19579	0.07	0.60	0.0	8.0
R6CANCRF	18165	0.08	0.72	0.0	10.0
R7CANCRF	20129	0.07	0.66	0.0	10.0
R8CANCRF	18469	0.06	0.67	0.0	10.0
R9CANCRF	17217	0.05	0.58	0.0	10.0
R10CANCRF	15372	0.04	0.58	0.0	10.0
S1CANCRF	9900	0.08	0.64	0.0	6.0
S2CANCRF	13088	0.10	0.70	0.0	6.0
S3CANCRF	11915	0.09	0.66	0.0	6.0
S4CANCRF	13978	0.07	0.62	0.0	6.0
S5CANCRF	12730	0.07	0.57	0.0	8.0
S6CANCRF	11639	0.07	0.68	0.0	10.0
S7CANCRF	12972	0.05	0.57	0.0	10.0
S8CANCRF	11735	0.05	0.62	0.0	10.0
S9CANCRF	10646	0.04	0.53	0.0	10.0
S10CANCRF	9241	0.03	0.53	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	17982	0.07	0.26	0.0	1.0
R4LUNGE	21371	0.07	0.26	0.0	1.0
R5LUNGE	19563	0.08	0.27	0.0	1.0
R6LUNGE	18144	0.08	0.28	0.0	1.0
R7LUNGE	20105	0.09	0.28	0.0	1.0

R8LUNGE	18435	0.10	0.29	0.0	1.0
R9LUNGE	17187	0.11	0.31	0.0	1.0
R10LUNGE	15342	0.12	0.32	0.0	1.0
S1LUNGE	9900	0.05	0.22	0.0	1.0
S2LUNGE	13083	0.07	0.25	0.0	1.0
S3LUNGE	11909	0.07	0.25	0.0	1.0
S4LUNGE	13970	0.06	0.24	0.0	1.0
S5LUNGE	12721	0.07	0.25	0.0	1.0
S6LUNGE	11625	0.07	0.26	0.0	1.0
S7LUNGE	12960	0.07	0.26	0.0	1.0
S8LUNGE	11719	0.08	0.28	0.0	1.0
S9LUNGE	10632	0.09	0.29	0.0	1.0
S10LUNGE	9232	0.10	0.30	0.0	1.0
R1LUNGF	12652	0.27	1.15	0.0	6.0
R2LUNGF	19642	0.26	1.17	0.0	6.0
R3LUNGF	17991	0.25	1.09	0.0	6.0
R4LUNGF	21384	0.19	0.96	0.0	6.0
R5LUNGF	19579	0.16	0.88	0.0	8.0
R6LUNGF	18165	0.16	0.98	0.0	10.0
R7LUNGF	20129	0.14	0.89	0.0	10.0
R8LUNGF	18469	0.11	0.83	0.0	10.0
R9LUNGF	17217	0.08	0.69	0.0	10.0
R10LUNGF	15372	0.05	0.56	0.0	10.0
S1LUNGF	9900	0.25	1.11	0.0	6.0
S2LUNGF	13088	0.26	1.16	0.0	6.0
S3LUNGF	11915	0.25	1.09	0.0	6.0
S4LUNGF	13978	0.19	0.95	0.0	6.0
S5LUNGF	12730	0.16	0.88	0.0	8.0
S6LUNGF	11639	0.15	0.93	0.0	10.0
S7LUNGF	12972	0.11	0.80	0.0	10.0
S8LUNGF	11735	0.10	0.78	0.0	10.0
S9LUNGF	10646	0.07	0.64	0.0	10.0
S10LUNGF	9241	0.03	0.45	0.0	10.0
R1HEARTE	12652	0.11	0.31	0.0	1.0
R2HEARTE	19633	0.19	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	0.22	0.41	0.0	1.0
R6HEARTE	18146	0.24	0.42	0.0	1.0
R7HEARTE	20100	0.23	0.42	0.0	1.0
R8HEARTE	18434	0.25	0.43	0.0	1.0
R9HEARTE	17186	0.26	0.44	0.0	1.0
R10HEARTE	15339	0.29	0.45	0.0	1.0
S1HEARTE	9900	0.11	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	0.19	0.39	0.0	1.0
S5HEARTE	12722	0.20	0.40	0.0	1.0
S6HEARTE	11627	0.22	0.41	0.0	1.0
S7HEARTE	12957	0.21	0.41	0.0	1.0
S8HEARTE	11721	0.23	0.42	0.0	1.0
S9HEARTE	10632	0.25	0.43	0.0	1.0
S10HEARTE	9227	0.27	0.44	0.0	1.0
R1HEARTF	12652	0.26	1.13	0.0	6.0
R2HEARTF	19642	0.29	1.21	0.0	6.0
R3HEARTF	17991	0.28	1.15	0.0	6.0
R4HEARTF	21384	0.22	1.05	0.0	6.0

R5HEARTF	19579	0.21	1.02	0.0	8.0
R6HEARTF	18165	0.25	1.23	0.0	10.0
R7HEARTF	20129	0.21	1.15	0.0	10.0
R8HEARTF	18469	0.18	1.08	0.0	10.0
R9HEARTF	17217	0.14	0.95	0.0	10.0
R10HEARTF	15372	0.09	0.81	0.0	10.0
S1HEARTF	9900	0.25	1.12	0.0	6.0
S2HEARTF	13088	0.29	1.21	0.0	6.0
S3HEARTF	11915	0.28	1.14	0.0	6.0
S4HEARTF	13978	0.22	1.03	0.0	6.0
S5HEARTF	12730	0.20	0.99	0.0	8.0
S6HEARTF	11639	0.22	1.15	0.0	10.0
S7HEARTF	12972	0.18	1.06	0.0	10.0
S8HEARTF	11735	0.15	0.96	0.0	10.0
S9HEARTF	10646	0.11	0.87	0.0	10.0
S10HEARTF	9241	0.07	0.72	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	0.29	0.0	1.0
R9STROKE	17195	0.10	0.30	0.0	1.0
R10STROKE	15352	0.11	0.31	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	0.25	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	9229	0.09	0.28	0.0	1.0
R1STROKF	12652	0.06	0.53	0.0	6.0
R2STROKF	19642	0.07	0.58	0.0	6.0
R3STROKF	17991	0.06	0.56	0.0	6.0
R4STROKF	21384	0.05	0.47	0.0	6.0
R5STROKF	19579	0.04	0.43	0.0	8.0
R6STROKF	18165	0.06	0.66	0.0	10.0
R7STROKF	20129	0.05	0.62	0.0	10.0
R8STROKF	18469	0.05	0.60	0.0	10.0
R9STROKF	17217	0.04	0.57	0.0	10.0
R10STROKF	15372	0.04	0.58	0.0	10.0
S1STROKF	9900	0.05	0.49	0.0	6.0
S2STROKF	13088	0.06	0.56	0.0	6.0
S3STROKF	11915	0.06	0.54	0.0	6.0
S4STROKF	13978	0.04	0.45	0.0	6.0
S5STROKF	12730	0.03	0.39	0.0	8.0
S6STROKF	11639	0.04	0.52	0.0	10.0
S7STROKF	12972	0.03	0.44	0.0	10.0
S8STROKF	11735	0.03	0.46	0.0	10.0
S9STROKF	10646	0.03	0.49	0.0	10.0
S10STROKF	9241	0.03	0.48	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	0.10	0.29	0.0	1.0
R4PSYCHE	21371	0.10	0.31	0.0	1.0
R5PSYCHE	19567	0.12	0.32	0.0	1.0
R6PSYCHE	18151	0.13	0.34	0.0	1.0
R7PSYCHE	20095	0.15	0.35	0.0	1.0
R8PSYCHE	18439	0.17	0.37	0.0	1.0
R9PSYCHE	17186	0.18	0.39	0.0	1.0
R10PSYCHE	15334	0.20	0.40	0.0	1.0
S1PSYCHE	9900	0.06	0.23	0.0	1.0
S2PSYCHE	13084	0.07	0.26	0.0	1.0
S3PSYCHE	11911	0.08	0.28	0.0	1.0
S4PSYCHE	13970	0.09	0.28	0.0	1.0
S5PSYCHE	12723	0.10	0.30	0.0	1.0
S6PSYCHE	11632	0.11	0.32	0.0	1.0
S7PSYCHE	12951	0.12	0.33	0.0	1.0
S8PSYCHE	11718	0.14	0.35	0.0	1.0
S9PSYCHE	10628	0.15	0.36	0.0	1.0
S10PSYCHE	9224	0.17	0.38	0.0	1.0
R1PSYCHF	12652	0.41	1.40	0.0	6.0
R2PSYCHF	19642	0.42	1.45	0.0	6.0
R3PSYCHF	17991	0.40	1.38	0.0	6.0
R4PSYCHF	21384	0.32	1.26	0.0	6.0
R5PSYCHF	19579	0.28	1.18	0.0	8.0
R6PSYCHF	18165	0.30	1.33	0.0	10.0
R7PSYCHF	20129	0.24	1.21	0.0	10.0
R8PSYCHF	18469	0.20	1.12	0.0	10.0
R9PSYCHF	17217	0.16	1.04	0.0	10.0
R10PSYCHF	15372	0.10	0.89	0.0	10.0
S1PSYCHF	9900	0.38	1.35	0.0	6.0
S2PSYCHF	13088	0.40	1.43	0.0	6.0
S3PSYCHF	11915	0.39	1.34	0.0	6.0
S4PSYCHF	13978	0.30	1.22	0.0	6.0
S5PSYCHF	12730	0.25	1.12	0.0	8.0
S6PSYCHF	11639	0.26	1.22	0.0	10.0
S7PSYCHF	12972	0.20	1.08	0.0	10.0
S8PSYCHF	11735	0.16	0.99	0.0	10.0
S9PSYCHF	10646	0.12	0.90	0.0	10.0
S10PSYCHF	9241	0.08	0.79	0.0	10.0
R1ARTHRE	12652	0.33	0.47	0.0	1.0
R2ARTHRE	19632	0.33	0.47	0.0	1.0
R3ARTHRE	17980	0.46	0.50	0.0	1.0
R4ARTHRE	21363	0.49	0.50	0.0	1.0
R5ARTHRE	19560	0.53	0.50	0.0	1.0
R6ARTHRE	18133	0.57	0.49	0.0	1.0
R7ARTHRE	20093	0.55	0.50	0.0	1.0
R8ARTHRE	18450	0.59	0.49	0.0	1.0
R9ARTHRE	17194	0.62	0.48	0.0	1.0
R10ARTHRE	15343	0.66	0.47	0.0	1.0
S1ARTHRE	9900	0.32	0.47	0.0	1.0
S2ARTHRE	13083	0.32	0.47	0.0	1.0
S3ARTHRE	11908	0.43	0.49	0.0	1.0
S4ARTHRE	13966	0.45	0.50	0.0	1.0
S5ARTHRE	12716	0.49	0.50	0.0	1.0
S6ARTHRE	11616	0.54	0.50	0.0	1.0
S7ARTHRE	12947	0.51	0.50	0.0	1.0
S8ARTHRE	11723	0.55	0.50	0.0	1.0
S9ARTHRE	10633	0.58	0.49	0.0	1.0

S10ARTHRE	9224	0.62	0.48	0.0	1.0
R1ARTHRF	12652	0.49	1.50	0.0	6.0
R2ARTHRF	19642	0.44	1.45	0.0	6.0
R3ARTHRF	17991	0.46	1.46	0.0	6.0
R4ARTHRF	21384	0.39	1.36	0.0	6.0
R5ARTHRF	19579	0.35	1.31	0.0	8.0
R6ARTHRF	18165	0.41	1.57	0.0	10.0
R7ARTHRF	20129	0.33	1.41	0.0	10.0
R8ARTHRF	18469	0.31	1.45	0.0	10.0
R9ARTHRF	17217	0.23	1.26	0.0	10.0
R10ARTHRF	15372	0.15	1.07	0.0	10.0
S1ARTHRF	9900	0.49	1.50	0.0	6.0
S2ARTHRF	13088	0.48	1.51	0.0	6.0
S3ARTHRF	11915	0.49	1.49	0.0	6.0
S4ARTHRF	13978	0.41	1.39	0.0	6.0
S5ARTHRF	12730	0.37	1.33	0.0	8.0
S6ARTHRF	11639	0.41	1.53	0.0	10.0
S7ARTHRF	12972	0.32	1.38	0.0	10.0
S8ARTHRF	11735	0.31	1.46	0.0	10.0
S9ARTHRF	10646	0.22	1.22	0.0	10.0
S10ARTHRF	9241	0.14	1.06	0.0	10.0
R1CONDE	12652	1.07	1.13	0.0	7.0
R2CONDE	19642	1.32	1.22	0.0	7.0
R3CONDE	17991	1.54	1.31	0.0	8.0
R4CONDE	21383	1.60	1.34	0.0	8.0
R5CONDE	19578	1.75	1.37	0.0	8.0
R6CONDE	18163	1.92	1.41	0.0	8.0
R7CONDE	20128	1.91	1.45	0.0	8.0
R8CONDE	18468	2.09	1.47	0.0	8.0
R9CONDE	17214	2.24	1.50	0.0	8.0
R10CONDE	15369	2.42	1.52	0.0	8.0
S1CONDE	9900	1.01	1.09	0.0	7.0
S2CONDE	13088	1.23	1.18	0.0	7.0
S3CONDE	11915	1.42	1.26	0.0	7.0
S4CONDE	13978	1.47	1.28	0.0	8.0
S5CONDE	12729	1.61	1.32	0.0	8.0
S6CONDE	11637	1.77	1.35	0.0	8.0
S7CONDE	12972	1.75	1.39	0.0	8.0
S8CONDE	11734	1.92	1.42	0.0	8.0
S9CONDE	10643	2.08	1.45	0.0	8.0
S10CONDE	9238	2.27	1.48	0.0	8.0
R1CONDEF	12652	0.21	0.50	0.0	5.0
R2CONDEF	19642	0.25	0.55	0.0	6.0
R3CONDEF	17991	0.33	0.62	0.0	6.0
R4CONDEF	21384	0.25	0.54	0.0	5.0
R5CONDEF	19579	0.23	0.51	0.0	5.0
R6CONDEF	18165	0.21	0.48	0.0	4.0
R7CONDEF	20129	0.19	0.46	0.0	4.0
R8CONDEF	18469	0.17	0.44	0.0	5.0
R9CONDEF	17217	0.13	0.39	0.0	6.0
R10CONDEF	15372	0.07	0.28	0.0	6.0
S1CONDEF	9900	0.20	0.48	0.0	5.0
S2CONDEF	13088	0.25	0.54	0.0	5.0
S3CONDEF	11915	0.32	0.60	0.0	5.0
S4CONDEF	13978	0.23	0.52	0.0	5.0
S5CONDEF	12730	0.21	0.49	0.0	4.0
S6CONDEF	11639	0.19	0.46	0.0	4.0

S7CONDEF	12972	0.17	0.43	0.0	4.0
S8CONDEF	11735	0.15	0.40	0.0	4.0
S9CONDEF	10646	0.11	0.36	0.0	4.0
S10CONDEF	9241	0.06	0.26	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	15372	0.02	0.21	0.0	8.0
S1CONDEM	9900	0.00	0.00	0.0	0.0
S2CONDEM	13088	0.00	0.06	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	0.18	0.0	8.0
S10CONDEM	9241	0.01	0.18	0.0	8.0

Categorical Variable Codes

Value-----	R1HIBPE	R2HIBPE	R3HIBPE	R4HIBPE	R5HIBPE	R6HIBPE	R7HIBPE	R8HIBPE	R9HIBPE	R10HIBPE
.D=DK/NA		11	6	11	6	9	16	19	15	23
.M=Oth missing			10	11	12	12	11	9	15	16
.R=RF		1			2	1	2		4	1
0.no	8431	11811	10424	12122	10451	8896	9756	8091	6855	5507
1.yes	4221	7819	7551	9240	9108	9247	10344	10350	10328	9825

Value-----	S1HIBPE	S2HIBPE	S3HIBPE	S4HIBPE	S5HIBPE	S6HIBPE	S7HIBPE	S8HIBPE	S9HIBPE	S10HIBPE
.D=DK/NA		4	3	6	2	3	4	4	6	9
.M=Oth missing			4	4	5	7	5	4	6	9
.R=RF					1	1	1		3	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	6757	8204	7232	8309	7135	6009	6690	5538	4595	3597
1.yes	3143	4880	4676	5659	5587	5619	6272	6189	6036	5625

Value-----	R1HIBPF	R2HIBPF	R3HIBPF	R4HIBPF	R5HIBPF	R6HIBPF	R7HIBPF	R8HIBPF	R9HIBPF	R10HIBPF
0.No dispute, no change	11513	17976	16312	19891	18379	17097	19170	17727	16716	15063
3.Disp,set to N			508	325	291	213	231	220	205	209
4.Disp aft, already N	492	534	406	446	328	212	136	49		
5.Disp aft, .->N					1		1	1		
6.Disp aft, Y->N	647	1132	765	722	573	509	480	356	211	
8.Disp prev wv, but now Y					7	5	4	5	9	10
10.NewR=not ever, but PrvR=						129	107	111	76	90

Value-----	S1HIBPF	S2HIBPF	S3HIBPF	S4HIBPF	S5HIBPF	S6HIBPF	S7HIBPF	S8HIBPF	S9HIBPF	S10HIBPF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No dispute, no change	9026	11990	10858	13052	11982	10992	12418	11304	10380	9075
3.Disp,set to N			322	181	168	136	136	121	111	110
4.Disp aft, already N	377	361	273	294	218	138	92	29		
5.Disp aft, .->N					1					
6.Disp aft, Y->N	497	737	462	451	356	309	273	212	113	
8.Disp prev wv, but now Y					5	1	3	3	6	4
10.NewR=not ever, but PrvR=						63	50	66	36	52

Value-----	R1DIABE	R2DIABE	R3DIABE	R4DIABE	R5DIABE	R6DIABE	R7DIABE	R8DIABE	R9DIABE	R10DIABE
.D=DK/NA		10	8	10	4	4	13	15	12	18
.M=Oth missing			10	13	15	16	13	17	17	19
.R=RF			2		4	2	3	2	3	3

0.no	11449	17368	15692	18531	16719	15096	16624	14830	13500	11636
1.yes	1203	2264	2279	2830	2837	3047	3476	3605	3685	3696
Value-----	S1DIABE	S2DIABE	S3DIABE	S4DIABE	S5DIABE	S6DIABE	S7DIABE	S8DIABE	S9DIABE	S10DIABE
.D=DK/NA		3	4	3	2	2	5	6	5	4
.M=Oth missing			4	5	7	9	8	8	8	8
.R=RF					2	1	1	1	1	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	9017	11682	10492	12234	10953	9744	10809	9541	8437	7065
1.yes	883	1403	1415	1736	1766	1883	2149	2179	2195	2163
Value-----	R1DIABF	R2DIABF	R3DIABF	R4DIABF	R5DIABF	R6DIABF	R7DIABF	R8DIABF	R9DIABF	R10DIABF
0.No dispute, no change	12160	18996	17353	20759	19037	17692	19680	18108	16962	15216
3.Disp,set to N			165	105	108	68	96	104	102	129
4.Disp aft, already N	305	331	269	303	256	190	144	66		
5.Disp aft, .->N				1	1	1	1			
6.Disp aft, Y->N	187	315	204	216	174	181	179	160	131	
8.Disp prev wv, but now Y					3	3	5	3	3	4
10.NewR=not ever, but PrvR=						30	24	28	19	23
Value-----	S1DIABF	S2DIABF	S3DIABF	S4DIABF	S5DIABF	S6DIABF	S7DIABF	S8DIABF	S9DIABF	S10DIABF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No dispute, no change	9521	12635	11478	13564	12377	11343	12685	11512	10502	9154
3.Disp,set to N			112	69	64	41	61	66	56	69
4.Disp aft, already N	239	236	193	211	182	122	90	40		
6.Disp aft, Y->N	140	217	132	134	105	114	118	97	76	
8.Disp prev wv, but now Y					2	3	4	1	2	3
10.NewR=not ever, but PrvR=						16	14	19	10	15
Value-----	R1CANCRE	R2CANCRE	R3CANCRE	R4CANCRE	R5CANCRE	R6CANCRE	R7CANCRE	R8CANCRE	R9CANCRE	R10CANCRE
.D=DK/NA		8	7	10	8	5	13	12	8	15
.M=Oth missing			9	15	20	25	24	31	33	35
.R=RF		3	3	1	5	2	3	2	3	1
.T=Other			1							
0.no	12041	17981	16242	19184	17330	15776	17520	15783	14470	12664
1.yes	611	1650	1729	2174	2216	2357	2569	2641	2703	2657
Value-----	S1CANCRE	S2CANCRE	S3CANCRE	S4CANCRE	S5CANCRE	S6CANCRE	S7CANCRE	S8CANCRE	S9CANCRE	S10CANCRE
.D=DK/NA		3	6	3	2	4	7	6	5	8
.M=Oth missing			5	9	11	12	13	15	15	14
.R=RF		3	1	1	2	2	1	1	2	1
.T=Other			1							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	9432	12069	10833	12614	11355	10182	11380	10136	9023	7640
1.yes	468	1013	1069	1351	1360	1439	1571	1577	1601	1578
Value-----	R1CANCRF	R2CANCRF	R3CANCRF	R4CANCRF	R5CANCRF	R6CANCRF	R7CANCRF	R8CANCRF	R9CANCRF	R10CANCRF
0.No dispute, no change	12435	19264	17614	21034	19285	17900	19880	18271	17077	15278
3.Disp,set to N			88	62	68	46	62	52	58	47
4.Disp aft, already N	125	169	128	119	86	50	33	10		
5.Disp aft, .->N		1	1		1	1	1			
6.Disp aft, Y->N	92	208	160	169	138	130	118	89	45	
8.Disp prev wv, but now Y					1	3	1	2		
10.NewR=not ever, but PrvR=						35	34	45	37	47
Value-----	S1CANCRF	S2CANCRF	S3CANCRF	S4CANCRF	S5CANCRF	S6CANCRF	S7CANCRF	S8CANCRF	S9CANCRF	S10CANCRF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No dispute, no change	9730	12838	11675	13766	12550	11487	12842	11632	10570	9197
3.Disp,set to N			57	24	41	26	34	20	36	20
4.Disp aft, already N	103	124	92	81	57	33	24	5		
5.Disp aft, .->N		1	1		1	1	1			
6.Disp aft, Y->N	67	125	90	107	80	70	54	54	20	
8.Disp prev wv, but now Y					1	2	1			
10.NewR=not ever, but PrvR=						20	16	24	20	24
Value-----	R1LUNGE	R2LUNGE	R3LUNGE	R4LUNGE	R5LUNGE	R6LUNGE	R7LUNGE	R8LUNGE	R9LUNGE	R10LUNGE
.D=DK/NA		7	1	5	6	8	7	16	6	13
.M=Oth missing			6	8	6	11	15	16	21	16
.R=RF		1	2		4	2	2	2	3	1
0.no	11983	18222	16670	19848	18055	16623	18393	16676	15339	13540
1.yes	669	1412	1312	1523	1508	1521	1712	1759	1848	1802

Value-----	S1LUNGE	S2LUNGE	S3LUNGE	S4LUNGE	S5LUNGE	S6LUNGE	S7LUNGE	S8LUNGE	S9LUNGE	S10LUNGE
.D=DK/NA		4	1	2	2	4	2	7	4	3
.M=Oth missing			5	6	5	8	10	8	8	5
.R=RF		1			2	2		1	2	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	9405	12219	11127	13107	11866	10803	12021	10745	9643	8292
1.yes	495	864	782	863	855	822	939	974	989	940

Value-----	R1LUNGF	R2LUNGF	R3LUNGF	R4LUNGF	R5LUNGF	R6LUNGF	R7LUNGF	R8LUNGF	R9LUNGF	R10LUNGF
0.No dispute, no change	11988	18679	17046	20524	18909	17617	19615	18087	16967	15229
3.Disp,set to N			262	206	189	89	135	123	108	102
4.Disp aft, already N	315	315	225	236	176	120	69	24		
5.Disp aft, .->N		1	1	1	1	1		1		
6.Disp aft, Y->N	349	647	457	417	294	291	262	186	104	
8.Disp prev wv, but now Y					10	1	4	2	3	6
10.NewR=not ever, but PrvR=						46	44	46	35	35

Value-----	S1LUNGF	S2LUNGF	S3LUNGF	S4LUNGF	S5LUNGF	S6LUNGF	S7LUNGF	S8LUNGF	S9LUNGF	S10LUNGF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No dispute, no change	9410	12450	11297	13425	12310	11314	12681	11529	10516	9178
3.Disp,set to N			155	127	101	47	85	66	54	48
4.Disp aft, already N	242	224	159	164	120	71	40	14		
5.Disp aft, .->N		1	1	1	1	1				
6.Disp aft, Y->N	248	413	303	261	194	184	148	95	56	
8.Disp prev wv, but now Y					4	1	3	2	1	1
10.NewR=not ever, but PrvR=						21	15	29	19	14

Value-----	R1HEARTE	R2HEARTE	R3HEARTE	R4HEARTE	R5HEARTE	R6HEARTE	R7HEARTE	R8HEARTE	R9HEARTE	R10HEARTE
.D=DK/NA		9	1	10	2	9	13	12	7	11
.M=Oth missing			6	6	8	8	15	21	21	20
.R=RF			1		3	2	1	2	3	2
0.no	11297	15987	14337	17025	15317	13867	15530	13859	12665	10963
1.yes	1355	3646	3646	4343	4249	4279	4570	4575	4521	4376

Value-----	S1HEARTE	S2HEARTE	S3HEARTE	S4HEARTE	S5HEARTE	S6HEARTE	S7HEARTE	S8HEARTE	S9HEARTE	S10HEARTE
.D=DK/NA		3		4	1	4	6	3	4	4
.M=Oth missing			2	3	5	6	9	10	8	9
.R=RF					2	2		1	2	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	8857	10904	9716	11366	10203	9113	10270	9049	8015	6736
1.yes	1043	2181	2197	2605	2519	2514	2687	2672	2617	2491

Value-----	R1HEARTF	R2HEARTF	R3HEARTF	R4HEARTF	R5HEARTF	R6HEARTF	R7HEARTF	R8HEARTF	R9HEARTF	R10HEARTF
0.No dispute, no change	11986	18562	16914	20391	18738	17372	19380	17865	16789	15125
3.Disp,set to N			266	179	160	118	142	175	183	159
4.Disp aft, already N	355	418	326	322	253	176	115	46		
5.Disp aft, .->N			1	1	2	1				
6.Disp aft, Y->N	311	662	484	491	420	394	384	290	157	
8.Disp prev wv, but now Y					6	3	3	2	4	1
10.NewR=not ever, but PrvR=						101	105	91	84	87

Value-----	S1HEARTF	S2HEARTF	S3HEARTF	S4HEARTF	S5HEARTF	S6HEARTF	S7HEARTF	S8HEARTF	S9HEARTF	S10HEARTF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No dispute, no change	9394	12367	11212	13347	12203	11177	12549	11420	10428	9120
3.Disp,set to N			154	98	96	58	84	95	89	80
4.Disp aft, already N	263	292	233	226	174	116	65	26		
5.Disp aft, .->N					1					
6.Disp aft, Y->N	243	429	316	307	253	236	220	151	84	
8.Disp prev wv, but now Y					3	2	1	1	3	
10.NewR=not ever, but PrvR=						50	53	42	42	41

Value-----	R1STROKE	R2STROKE	R3STROKE	R4STROKE	R5STROKE	R6STROKE	R7STROKE	R8STROKE	R9STROKE	R10STROKE
.D=DK/NA		4	3	6	1	7	5	11	6	5
.M=Oth missing			4	6	5	7	9	11	13	13
.R=RF			2		5	2	1	2	3	2
0.no	12313	18500	16750	19832	17998	16573	18459	16782	15515	13707
1.yes	339	1138	1232	1540	1570	1576	1655	1663	1680	1645

Value-----	S1STROKE	S2STROKE	S3STROKE	S4STROKE	S5STROKE	S6STROKE	S7STROKE	S8STROKE	S9STROKE	S10STROKE
.D=DK/NA		2	2	2	1	1	2	5	2	2
.M=Oth missing			3	4	3	5	6	6	7	9
.R=RF					2	2		1	2	1

.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	9641	12455	11238	13168	11898	10835	12128	10858	9790	8419
1.yes	259	631	672	804	826	796	836	865	845	810

Value-----	R1STROKF	R2STROKF	R3STROKF	R4STROKF	R5STROKF	R6STROKF	R7STROKF	R8STROKF	R9STROKF	R10STROKF
0.No dispute, no change	12501	19385	17732	21168	19416	17990	19961	18326	17114	15292
3.Disp,set to N			68	54	38	16	25	39	29	30
4.Disp aft, already N	95	132	91	78	68	46	25	8		
5.Disp aft, .->N						1				
6.Disp aft, Y->N	56	125	100	84	53	62	72	50	32	
8.Disp prev wv, but now Y					4	2	2	3	1	2
10.NewR=not ever, but PrvR=						48	44	43	41	48

Value-----	S1STROKF	S2STROKF	S3STROKF	S4STROKF	S5STROKF	S6STROKF	S7STROKF	S8STROKF	S9STROKF	S10STROKF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No dispute, no change	9797	12926	11761	13853	12644	11561	12906	11676	10604	9211
3.Disp,set to N			35	31	20	12	9	17	8	9
4.Disp aft, already N	66	84	53	42	32	19	12	5		
5.Disp aft, .->N						1				
6.Disp aft, Y->N	37	78	66	52	32	28	35	22	14	
8.Disp prev wv, but now Y					2	2				1
10.NewR=not ever, but PrvR=						16	10	15	20	20

Value-----	R1PSYCHE	R2PSYCHE	R3PSYCHE	R4PSYCHE	R5PSYCHE	R6PSYCHE	R7PSYCHE	R8PSYCHE	R9PSYCHE	R10PSYCHE
.D=DK/NA		2	4	6	4	4	13	11	7	17
.M=Oth missing			5	6	6	7	10	16	21	18
.R=RF		3	1	1	2	3	11	3	3	3
0.no	11784	18091	16257	19143	17287	15715	17146	15351	14046	12211
1.yes	868	1546	1724	2228	2280	2436	2949	3088	3140	3123

Value-----	S1PSYCHE	S2PSYCHE	S3PSYCHE	S4PSYCHE	S5PSYCHE	S6PSYCHE	S7PSYCHE	S8PSYCHE	S9PSYCHE	S10PSYCHE
.D=DK/NA		2		4	2	1	8	7	4	5
.M=Oth missing			4	3	4	4	5	8	12	11
.R=RF		2		1	1	2	8	2	2	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	9333	12169	10918	12748	11460	10314	11374	10056	8983	7624
1.yes	567	915	993	1222	1263	1318	1577	1662	1645	1600

Value-----	R1PSYCHF	R2PSYCHF	R3PSYCHF	R4PSYCHF	R5PSYCHF	R6PSYCHF	R7PSYCHF	R8PSYCHF	R9PSYCHF	R10PSYCHF
0.No dispute, no change	11605	18104	16445	19975	18445	17196	19231	17820	16743	15095
3.Disp,set to N			422	287	287	171	248	194	187	163
4.Disp aft, already N	546	524	361	336	225	151	99	31		
5.Disp aft, .->N		1	2				1			
6.Disp aft, Y->N	501	1013	761	786	615	545	431	320	177	
8.Disp prev wv, but now Y					7	7	11	3	5	15
10.NewR=not ever, but PrvR=						95	108	101	105	99

Value-----	S1PSYCHF	S2PSYCHF	S3PSYCHF	S4PSYCHF	S5PSYCHF	S6PSYCHF	S7PSYCHF	S8PSYCHF	S9PSYCHF	S10PSYCHF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No dispute, no change	9125	12089	10938	13120	12064	11098	12502	11401	10415	9114
3.Disp,set to N			257	168	159	98	128	110	99	74
4.Disp aft, already N	424	359	249	220	143	92	52	16		
5.Disp aft, .->N		1	1				1			
6.Disp aft, Y->N	351	639	470	470	361	298	236	160	80	
8.Disp prev wv, but now Y					3	5	6	1	3	5
10.NewR=not ever, but PrvR=						48	47	47	49	48

Value-----	R1ARTHRE	R2ARTHRE	R3ARTHRE	R4ARTHRE	R5ARTHRE	R6ARTHRE	R7ARTHRE	R8ARTHRE	R9ARTHRE	R10ARTHRE
.D=DK/NA		10	3	14	8	14	17	4	7	14
.M=Oth missing			7	6	7	16	17	14	12	13
.R=RF			1	1	4	2	2	1	4	2
0.no	8436	13170	9672	10958	9158	7765	8984	7576	6505	5257
1.yes	4216	6462	8308	10405	10402	10368	11109	10874	10689	10086

Value-----	S1ARTHRE	S2ARTHRE	S3ARTHRE	S4ARTHRE	S5ARTHRE	S6ARTHRE	S7ARTHRE	S8ARTHRE	S9ARTHRE	S10ARTHRE
.D=DK/NA		5	3	6	6	9	11	1	4	8
.M=Oth missing			4	5	6	12	13	11	7	8
.R=RF				1	2	2	1		2	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	6758	8923	6799	7705	6449	5370	6286	5256	4425	3468
1.yes	3142	4160	5109	6261	6267	6246	6661	6467	6208	5756

Value-----	R1ARTHRF	R2ARTHRF	R3ARTHRF	R4ARTHRF	R5ARTHRF	R6ARTHRF	R7ARTHRF	R8ARTHRF	R9ARTHRF	R10ARTHRF
0.No dispute, no change	11383	17917	16235	19651	18154	16837	18960	17514	16522	14991
3.Disp,set to N			384	333	317	245	274	238	297	219
4.Disp aft, already N	713	851	545	524	356	228	136	36		
5.Disp aft, .->N		1	1	2						
6.Disp aft, Y->N	556	873	826	874	738	675	595	467	218	
8.Disp prev wv, but now Y					14	9	9	6	5	8
10.NewR=not ever, but PrvR=						171	155	208	175	154

Value-----	S1ARTHRF	S2ARTHRF	S3ARTHRF	S4ARTHRF	S5ARTHRF	S6ARTHRF	S7ARTHRF	S8ARTHRF	S9ARTHRF	S10ARTHRF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No dispute, no change	8898	11827	10665	12784	11772	10782	12234	11134	10225	9018
3.Disp,set to N			278	215	203	157	162	133	183	129
4.Disp aft, already N	567	619	413	391	252	164	98	25		
6.Disp aft, Y->N	435	642	559	588	494	439	384	307	141	
8.Disp prev wv, but now Y					9	6	7	3	2	2
10.NewR=not ever, but PrvR=						91	87	133	95	92

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 R answered yes to the pertinent question in the current or any prior wave, and to no if R 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 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 R 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, RwlLUNG, RwhHEART, RwSTROK, RwPSYCH, and RwARTHr for the raw reports at each wave, and RwhIBPQ, RwdIABQ, RwcANCRQ, RwlLUNGQ, RwhHEARTQ, 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, Wave 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

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:
 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
MC053	STROKE
MC065	EMOTIONAL/PSYCHIATRIC PROBLEMS
MC070	ARTHRITIS

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 prob this wv	Categ
10	S10ALZHE	S10ALZHE:W10 S reports alzheimer prob this wv	Categ

10 R10DEMEN R10DEMEN:W10 R reports dementia prob this wv Categ
 10 S10DEMEN S10DEMEN:W10 S reports dementia prob this wv 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	15329	0.02	0.14	0.0	1.0
S10ALZHE	9223	0.01	0.11	0.0	1.0
R10DEMEN	15004	0.02	0.15	0.0	1.0
S10DEMEN	9103	0.02	0.13	0.0	1.0

Categorical Variable Codes

Value-----	R4MEMRY	R5MEMRY	R6MEMRY	R7MEMRY	R8MEMRY	R9MEMRY
.D=DK/NA	13	7	11	16	14	17
.M=other missing					1	
.R=RF	1	2	2	2	4	3
.Y=via preload+Yes prev wv		350	165	368	522	
0. No	20834	18869	17468	19228	17490	16167
1. Yes	536	351	519	515	438	948
3. Disp prev record and has						1
4. Disp prev record and no						81

Value-----	S4MEMRY	S5MEMRY	S6MEMRY	S7MEMRY	S8MEMRY	S9MEMRY
.D=DK/NA	4	6	3	4	6	4
.R=RF		1	2	1	2	2
.U=Unmar	6869	6538	6306	6777	6417	6206
.V=Sp NR	537	311	220	380	317	365
.Y=via preload+Yes prev wv		176	80	169	235	
0. No	13713	12394	11348	12582	11295	10183
1. Yes	261	153	206	216	197	415
4. Disp prev record and no						42

Value-----	R4MEMRYQ	R5MEMRYQ	R6MEMRYQ	R7MEMRYQ	R8MEMRYQ	R9MEMRYQ
1.NewIvw: have had [ever]	21384	266	226	3471	207	143
2.ReIvw,NoCond: have had si		18505	16322	15163	16628	15634
3.ReIvw,Cond: last time sai						543
4.ReIvw,Cond: Skip question		350	165	368	522	
5.ReIvw/NewR: have ever had			1072	959	1020	816
11.ReIvw BUT Pre=NewIvw: ha		4	6	5	6	
12.NewIvw BUT Pre=ReIvw,NoC		454	172	71	23	13
15.ReIvw,Cond BUT Pre=NoCon			202	92	63	68

Value-----	S4MEMRYQ	S5MEMRYQ	S6MEMRYQ	S7MEMRYQ	S8MEMRYQ	S9MEMRYQ
.U=Unmar	6869	6538	6306	6777	6417	6206
.V=Sp NR	537	311	220	380	317	365
1.NewIvw: have had [ever]	13978	248	209	2484	198	139
2.ReIvw,NoCond: have had si		12060	10525	9649	10593	9747
3.ReIvw,Cond: last time sai						250
4.ReIvw,Cond: Skip question		176	80	169	235	
5.ReIvw/NewR: have ever had			648	577	668	474
11.ReIvw BUT Pre=NewIvw: ha		3	6	5	6	
12.NewIvw BUT Pre=ReIvw,NoC		243	78	42	8	5
15.ReIvw,Cond BUT Pre=NoCon			93	46	27	31

Value-----	R4MEMRYE	R5MEMRYE	R6MEMRYE	R7MEMRYE	R8MEMRYE	R9MEMRYE
.D=DK/NA	13	1		1		14
.R=RF	1	2	1	1		3
0.no	20837	18890	17394	19199	17491	16159
1.yes	533	686	770	928	978	1041

Value-----	S4MEMRYE	S5MEMRYE	S6MEMRYE	S7MEMRYE	S8MEMRYE	S9MEMRYE
.D=DK/NA	4	1		1		4
.R=RF		1	1			2
.U=Unmar	6869	6538	6306	6777	6417	6206
.V=Sp NR	537	311	220	380	317	365
0.no	13715	12410	11313	12581	11304	10185
1.yes	259	318	325	390	431	455

Value-----	R5MEMRYF	R6MEMRYF	R7MEMRYF	R8MEMRYF	R9MEMRYF
0. OK	19579	18048	20023	18369	17046
1. NewR says not ever but p		24	33	45	32
2. Says no cur wv but prev		93	73	55	57
3.Dispute,set to N					81
8.Dispute prev wv, but now					1

Value-----	S5MEMRYF	S6MEMRYF	S7MEMRYF	S8MEMRYF	S9MEMRYF	
.U=Unmar	6538	6306	6777	6417	6206	
.V=Sp NR	311	220	380	317	365	
0. OK	12730	11580	12929	11689	10564	
1. NewR says not ever but p		6	7	22	12	
2. Says no cur wv but prev		53	36	24	28	
3.Dispute,set to N					42	
Value-----						R10ALZHE
.D=DK/NA						23
.M=other missing						18
.R=RF						2
0. No						15002
1. Yes						327
Value-----						S10ALZHE
.D=DK/NA						10
.M=other missing						7
.R=RF						1
.U=Unmar						5700
.V=Sp NR						431
0. No						9101
1. Yes						122
Value-----						R10DEMEN
.D=DK/NA						20
.M=other missing						345
.R=RF						3
0. No						14642
1. Yes						362
Value-----						S10DEMEN
.D=DK/NA						8
.M=other missing						129
.R=RF						1
.U=Unmar						5700
.V=Sp NR						431
0. No						8951
1. Yes						152

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.

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.

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 R has a prior interview but the preload indicates this is a new interview, so the question asks if R 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 R 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 R has been told about a condition since last interview, even though this is R'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 is 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 RwMEMRY is set to SAS special missing .Y.

RwMEMRYE is set to yes if R answered yes to the pertinent question in the current or any prior wave, and to no if R responded no at the current and all prior waves. If R reports having memory-related disease at one wave and later the question is asked again because a new proxy is answering, with a negative response, RwMEMRYE will still remain set to yes for the later wave, but RwMEMRYF 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, RwMEMRYF will be set to 2, but RwMEMRYE will remain set to yes.

SwMEMRY, SwMEMRYQ, SwMEMRYE, and SwMEMRYF 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.

RwALZHE and RwDEMEN indicate the raw responses to the questions regarding whether or not a doctor has told the respondent he/she has Alzheimer's or Dementia. The questions about Alzheimer's and Dementia are first asked in Wave 10.

RwALZHE and RwDEMEN are recoded to reflect the answer given.

Please see the 'Change in Health' variables as well. Included there is RwMEMRYS which measures whether the memory-related 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

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
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
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
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
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
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

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	15148	28.06	5.98	7.0	79.1
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	9104	28.28	5.70	11.2	79.1
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	15354	1.68	0.10	0.9	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	9226	1.69	0.10	1.0	2.2
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	15162	79.25	19.09	22.7	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	9115	81.47	18.83	28.6	181.4

How Constructed:

RwHEIGHT, RwWEIGHT, and RwBMI are the respondent's height, weight, and body mass index. SwHEIGHT, SwWEIGHT, and SwBMI are this information for the respondent's spouse or partner.

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.

BMI is weight divided by the square of height (weight / height²).

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 of 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

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
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

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	132	0.51	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	130	0.51	0.50	0.0	1.0

Categorical Variable Codes

Value-----	R1BACK	R2BACK	R3BACK	R4BACK	R5BACK	R6BACK	R7BACK	R8BACK	R9BACK	R10BACK
.A=Asked prv wave				16290		17932		18255		
.D=DK/NA			9		11		27		20	
.M=Oth missing		60	2	1		1		1		15240
.R=RF		7	4	1	2	1	2		2	
0. No	8313	15953	12313	3232	13091	136	12747	132	10954	65
1. Yes	4339	3621	5663	1860	6475	95	7353	81	6241	67

Value-----	S1BACK	S2BACK	S3BACK	S4BACK	S5BACK	S6BACK	S7BACK	S8BACK	S9BACK	S10BACK
.A=Asked prv wave				10471		11423		11530		
.D=DK/NA		1	4		4		10		6	
.M=Oth missing		23	2	1		1		1		9111
.R=RF		7	2	1	1	1			2	
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0. No	6577	10435	8258	2267	8629	124	8302	128	6922	64
1. Yes	3323	2622	3649	1238	4096	90	4660	76	3716	66

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 persistent 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, and 8, it is skipped for re-interviewees. In the other waves, e.g., Waves 5, 7 and 9, 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

Ulcers

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=Unmar	2373	5970
.V=Sp 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 ask:

Do you have any of the following health problems? Stomach or intestinal ulcers?

In waves 2A, the question ask:

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
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Wave	Variable	Label	Type
1	R1VIGACT	R1VIGACT:W1 R Wtr vigorous phys act 3+/wk	Categ
2	R2VIGACT	R2VIGACT:W2 R Wtr vigorous phys act 3+/wk	Categ
3	R3VIGACT	R3VIGACT:W3 R Wtr vigorous phys act 3+/wk	Categ
4	R4VIGACT	R4VIGACT:W4 R Wtr vigorous phys act 3+/wk	Categ
5	R5VIGACT	R5VIGACT:W5 R Wtr vigorous phys act 3+/wk	Categ
6	R6VIGACT	R6VIGACT:W6 R Wtr vigorous phys act 3+/wk	Categ
1	S1VIGACT	S1VIGACT:W1 S Wtr vigorous phys act 3+/wk	Categ
2	S2VIGACT	S2VIGACT:W2 S Wtr vigorous phys act 3+/wk	Categ
3	S3VIGACT	S3VIGACT:W3 S Wtr vigorous phys act 3+/wk	Categ
4	S4VIGACT	S4VIGACT:W4 S Wtr vigorous phys act 3+/wk	Categ
5	S5VIGACT	S5VIGACT:W5 S Wtr vigorous phys act 3+/wk	Categ
6	S6VIGACT	S6VIGACT:W6 S Wtr vigorous 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
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

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
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
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
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

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	15329	4.03	1.31	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	9223	3.89	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	15343	3.14	1.36	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	9233	3.00	1.30	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	15348	2.81	1.19	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	9230	2.70	1.15	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 wave		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 wave		4549				
.R=RF		3		1	1	
.U=Unmar	2373	5970	5658	6869	6538	6306
.V=Sp 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=Unmar	2373
.V=Sp 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=Unmar	2373
.V=Sp 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=Unmar	5970
.V=Sp 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 wave		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 wave		4549
.R=RF		1
.U=Unmar	2373	5970
.V=Sp 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=Unmar 2373
 .V=Sp 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=Unmar 5970
 .V=Sp 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	R8VGACTX	R9VGACTX	R10VGACTX
.D=DK/NA	17	18	9	36
.M=Oth missing		2		1
.R=RF	3	4	1	6
1.every day	385	520	456	367
2.> 1 per week	4169	3578	3361	3118
3.1 per week	1590	1458	1403	1397
4.1-3 per mon	1464	1190	1260	1293
5.Never	12501	11699	10727	9154

Value-----	S7VGACTX	S8VGACTX	S9VGACTX	S10VGACTX
.D=DK/NA	10	8	8	15
.M=Oth missing		1		
.R=RF	3	2	1	3
.U=Unmar	6777	6417	6206	5700
.V=Sp NR	380	317	365	431
1.every day	283	377	318	236
2.> 1 per week	3084	2626	2427	2154
3.1 per week	1189	1070	1015	952
4.1-3 per mon	1092	862	892	909
5.Never	7311	6789	5985	4972

Value-----	R7MDACTX	R8MDACTX	R9MDACTX	R10MDACTX
.D=DK/NA	11	11	8	25
.M=Oth missing		2		1
.R=RF	2	2	1	3
1.every day	1096	1909	1777	1078
2.> 1 per week	9284	7939	6949	5741
3.1 per week	3163	2649	2709	2605
4.1-3 per mon	1914	1549	1703	1719
5.Never	4659	4408	4070	4200

Value-----	S7MDACTX	S8MDACTX	S9MDACTX	S10MDACTX
.D=DK/NA	7	6	4	6
.M=Oth missing		1		
.R=RF	2	1	1	2
.U=Unmar	6777	6417	6206	5700
.V=Sp NR	380	317	365	431

1.every day	706	1285	1106	650
2.> 1 per week	6439	5475	4682	3826
3.1 per week	2207	1744	1791	1641
4.1-3 per mon	1249	988	1059	1095
5.Never	2362	2235	2003	2021
Value-----	R7LTACTX	R8LTACTX	R9LTACTX	R10LTACTX
.D=DK/NA	8	7	10	17
.M=Oth missing		2		1
.R=RF	3	1	1	6
1.every day	1074	2158	2090	1231
2.> 1 per week	10649	8841	7828	6528
3.1 per week	4503	3840	3834	3925
4.1-3 per mon	1301	1187	1076	1225
5.Never	2591	2433	2378	2439
Value-----	S7LTACTX	S8LTACTX	S9LTACTX	S10LTACTX
.D=DK/NA	2	5	3	9
.M=Oth missing		1		
.R=RF	3		1	2
.U=Unmar	6777	6417	6206	5700
.V=Sp NR	380	317	365	431
1.every day	738	1501	1402	789
2.> 1 per week	7293	5987	5167	4328
3.1 per week	2698	2254	2220	2194
4.1-3 per mon	877	751	692	731
5.Never	1361	1236	1161	1188

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 RvwIGACT 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"; 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 RvwIGACT 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 RvVGACTX, RvMDACTX, RvLTACTX, 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

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
MC225 HOW OFTEN MILD ACTIVITY

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
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
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
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
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
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

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	15367	0.50	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	9238	0.55	0.50	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	15318	1.10	2.03	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	9218	1.27	2.13	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	17190	0.66	1.31	0.0	15.0
R10DRINKN	15326	0.67	1.31	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	10629	0.75	1.36	0.0	15.0
S10DRINKN	9221	0.75	1.32	0.0	15.0

Categorical Variable Codes

Value-----	R1DRINK	R2DRINK	R3DRINK	R4DRINK	R5DRINK	R6DRINK	R7DRINK	R8DRINK	R9DRINK	R10DRINK
.D=DK/NA		4	1	4	2	1	1		1	3
.M=Oth missing			2					2		1
.R=RF		1	2	1	2	3	3	5	1	1
0.no	4996	9734	9685	11306	10768	10058	10354	9294	8811	7631
1.yes	7656	9903	8301	10073	8807	8103	9771	9168	8404	7736

Value-----	S1DRINK	S2DRINK	S3DRINK	S4DRINK	S5DRINK	S6DRINK	S7DRINK	S8DRINK	S9DRINK	S10DRINK
.D=DK/NA		2		1						2
.M=Oth missing			2					1		
.R=RF		1	1		2	3	3	3	1	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.no	3826	6035	5894	6834	6439	5893	6103	5395	4914	4141
1.yes	6074	7050	6018	7143	6289	5743	6866	6336	5731	5097

Value-----	R1DRINKR	R2DRINKR
.D=DK/NA		15
.R=RF		4
0.Doesnt 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=Unmar	2373	5970
.V=Sp NR	379	584
0.Doesnt 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	R8DRINKD	R9DRINKD	R10DRINKD
.D=DK/NA	59	4	12	28	33	21	11	47
.M=Oth missing	3					2		1
.R=RF	4	1	6	8	6	8	8	6
0.0 or doesnt drink	12368	15113	14323	12797	13549	12491	11585	10089
1	1805	1859	1452	1610	2115	1844	1763	1776
2	1008	1157	968	956	1130	1043	1022	906
3	761	795	727	749	878	783	707	695
4	305	398	332	315	413	399	368	310
5	329	363	310	347	407	394	354	361
6	122	154	142	154	186	164	180	165
7	1227	1540	1307	1201	1412	1320	1219	1016

Value-----	S3DRINKD	S4DRINKD	S5DRINKD	S6DRINKD	S7DRINKD	S8DRINKD	S9DRINKD	S10DRINKD
.D=DK/NA	39	1	6	16	19	8	5	20
.M=Oth missing	2					1		
.R=RF	2		5	8	5	5	5	3
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.0 or doesnt drink	7787	9397	8845	7716	8215	7461	6661	5647
1	1306	1372	1083	1174	1492	1271	1207	1167
2	730	810	694	676	810	719	725	609

3	571	573	541	547	604	538	474	476
4	232	295	240	251	314	296	271	222
5	260	288	246	267	318	312	267	283
6	98	124	115	128	149	133	147	128
7	888	1118	955	856	1046	991	884	686
Value-----	R3DRINKN	R4DRINKN	R5DRINKN	R6DRINKN	R7DRINKN	R8DRINKN	R9DRINKN	R10DRINKN
.D=DK/NA	78	27	40	29	33	29	17	40
.M=Oth missing	7	35	3		9	6		1
.R=RF	7	5	7	8	9	10	10	5
0.0 or doesnt drink	12387	15143	14362	12818	13552	12517	11599	10106
1	2469	2757	2336	2479	2891	2716	2617	2583
2	1826	2006	1724	1680	2057	1911	1757	1577
3	640	737	593	645	848	692	653	567
4	244	286	227	214	316	252	242	208
5	101	107	81	84	98	94	91	79
6	140	160	115	121	189	153	127	120
7	13	24	18	20	12	15	18	11
8	22	34	24	23	34	19	29	21
9	4	2	1	2	6	2	2	2
10	15	20	19	17	24	19	18	16
11	1			1	2	2		1
12	23	24	17	18	31	23	30	23
13	1	1	2	1	1			
14			1		1		1	1
15	5	2	2	3	6	4	6	11
16	1	6	2		1			
18	1	1	1	1		2		
20	1	1			3			
21					1			
22		1						
23				1				
24	2	3			1	1		
26			3		2			
27						1		
30	1							
32		1	1					
38		1						
45					1	1		
50					1			
99.all day	2							
Value-----	S3DRINKN	S4DRINKN	S5DRINKN	S6DRINKN	S7DRINKN	S8DRINKN	S9DRINKN	S10DRINKN
.D=DK/NA	51	15	24	19	14	14	10	16
.M=Oth missing	3	18	2		5	4		
.R=RF	5	3	5	8	7	6	7	4
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.0 or doesnt drink	7799	9414	8871	7731	8219	7474	6668	5657
1	1774	2011	1701	1827	2073	1917	1847	1750
2	1391	1493	1316	1242	1547	1405	1259	1112
3	469	537	453	473	604	508	459	369
4	187	214	157	146	222	174	166	148
5	71	76	60	57	66	65	68	51
6	105	120	80	83	132	107	89	84
7	8	16	14	12	8	11	14	9
8	14	24	16	16	24	14	24	12
9	2	2			2	1	2	2
10	11	11	10	8	17	17	8	10
11	1			1		2		
12	20	16	13	14	23	13	22	12
13	1	1	2		1			
14			1				1	1
15	2	2	1	1	2	2	2	4
16		3	2			1		
20						1		
21						1		
23				1				
24		1				1	1	
26			1			1		
30	1							
32			1					
38		1						
50						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"; this is recoded to 99. There are different variables for how often the respondent drinks in Waves 1 and 2 then 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 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

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
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
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
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
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
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
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
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
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
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

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	131	0.73	0.44	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	129	0.74	0.44	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	132	0.57	0.50	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	130	0.58	0.50	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	66	0.53	0.50	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	65	0.52	0.50	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	66	0.67	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	65	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	65	0.68	0.47	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	64	0.67	0.47	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	65	0.68	0.47	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	64	0.67	0.47	0.0	1.0

Categorical Variable Codes

Value-----	R3CHOLST	R4CHOLST	R5CHOLST	R6CHOLST	R7CHOLST	R8CHOLST	R9CHOLST	R10CHOLST
.A=Asked prv wave		15759		17219		17818		14757
.D=DK/NA	141	15	114	3	283	6	253	1
.M=Oth missing	2	532		714		438		483
.R=RF	2		1		1		2	
0. No	5062	1246	4630	51	3545	43	2565	35
1. Yes	12784	3832	14834	178	16300	164	14397	96

Value-----	S3CHOLST	S4CHOLST	S5CHOLST	S6CHOLST	S7CHOLST	S8CHOLST	S9CHOLST	S10CHOLST
.A=Asked prv wave		10176		11036		11313		8868
.D=DK/NA	49	9	55	1	108	6	98	1
.M=Oth missing	2	296		388		218		243
.R=RF	1		1				1	
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0. No	3225	880	2794	45	2090	38	1416	34
1. Yes	8638	2617	9880	169	10774	160	9131	95

Value-----	R3FLUSHT	R4FLUSHT	R5FLUSHT	R6FLUSHT	R7FLUSHT	R8FLUSHT	R9FLUSHT	R10FLUSHT
.A=Asked prv wave		15759		17219		17818		14757
.D=DK/NA	28	3	31	3	63	3	37	
.M=Oth missing	2	532		714		438		483
.R=RF	3				3		2	
0. No	9230	2371	7624	113	7684	106	6028	57
1. Yes	8728	2719	11924	116	12379	104	11150	75

Value-----	S3FLUSHT	S4FLUSHT	S5FLUSHT	S6FLUSHT	S7FLUSHT	S8FLUSHT	S9FLUSHT	S10FLUSHT
.A=Asked prv wave		10176		11036		11313		8868

.D=DK/NA	9	3	10	2	19	3	13	
.M=Oth missing	2	296		388		218		243
.R=RF	1				2		1	
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0. No	6217	1655	5019	103	4983	103	3810	55
1. Yes	5686	1848	7701	110	7968	98	6822	75

Value-----	R3BREAST	R4BREAST	R5BREAST	R6BREAST	R7BREAST	R8BREAST	R9BREAST	R10BREAST
.A=Asked prv wave		9297		10176		10509		8800
.D=DK/NA	38	4	43	2	94		69	
.M=Oth missing	4	293	7	403	7	266	7	283
.R=RF			1	2	4		2	
.S=Skip	7478	8956	8109	7456	8344	7584	7015	6223
.X=Missing organ	7							
0. No	4360	1042	4560	54	4945	44	4447	31
1. Yes	6104	1792	6859	72	6735	66	5677	35

Value-----	S3BREAST	S4BREAST	S5BREAST	S6BREAST	S7BREAST	S8BREAST	S9BREAST	S10BREAST
.A=Asked prv wave		5089		5510		5651		4439
.D=DK/NA	6	2	12		38		26	
.M=Oth missing	2	143	3	189	4	112	5	122
.R=RF			1	2	3		1	
.S=Skip	5957	6989	6364	5820	6480	5865	5312	4615
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
.X=Missing organ	5							
0. No	2273	624	2269	52	2480	43	2115	31
1. Yes	3672	1131	4081	66	3967	64	3187	34

Value-----	R3MAMMOG	R4MAMMOG	R5MAMMOG	R6MAMMOG	R7MAMMOG	R8MAMMOG	R9MAMMOG	R10MAMMOG
.A=Asked prv wave		9297		10176		10509		8800
.D=DK/NA	37	3	43	2	76		77	
.M=Oth missing	3	293	7	403	7	266	7	283
.R=RF			1	2	5		2	
.S=Skip	7476	8956	8109	7456	8344	7584	7015	6223
0. No	3684	664	3235	31	3284	29	2935	22
1. Yes	6791	2171	8184	95	8413	81	7181	44

Value-----	S3MAMMOG	S4MAMMOG	S5MAMMOG	S6MAMMOG	S7MAMMOG	S8MAMMOG	S9MAMMOG	S10MAMMOG
.A=Asked prv wave		5089		5510		5651		4439
.D=DK/NA	10	3	9		24		14	
.M=Oth missing	1	143	3	189	4	112	5	122
.R=RF			1	2	2		1	
.S=Skip	5955	6989	6364	5820	6480	5865	5312	4615
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0. No	1702	377	1419	28	1431	29	1151	22
1. Yes	4247	1377	4934	90	5031	78	4163	43

Value-----	R3PAPSM	R4PAPSM	R5PAPSM	R6PAPSM	R7PAPSM	R8PAPSM	R9PAPSM	R10PAPSM
.A=Asked prv wave		9297		10176		10509		8800
.D=DK/NA	56	7	56	4	130	3	113	1
.M=Oth missing	3	293	7	403	7	266	7	283
.R=RF			1	2	4		2	
.S=Skip	7476	8956	8109	7456	8344	7584	7015	6223
.X=Missing organ	7							
0. No	4282	834	4393	34	4684	30	4949	21
1. Yes	6167	1997	7013	90	6960	77	5131	44

Value-----	S3PAPSM	S4PAPSM	S5PAPSM	S6PAPSM	S7PAPSM	S8PAPSM	S9PAPSM	S10PAPSM
.A=Asked prv wave		5089		5510		5651		4439
.D=DK/NA	19	3	13	2	49	3	43	1
.M=Oth missing	1	143	3	189	4	112	5	122
.R=RF			1	2	2		1	
.S=Skip	5955	6989	6364	5820	6480	5865	5312	4615
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
.X=Missing organ	4							
0. No	2002	450	1942	32	2070	29	2150	21
1. Yes	3934	1304	4407	84	4367	75	3135	43

Value-----	R3PROST	R4PROST	R5PROST	R6PROST	R7PROST	R8PROST	R9PROST	R10PROST
.A=Asked prv wave		6462		7043		7309		5957
.D=DK/NA	25	6	38	1	76		59	1
.M=Oth missing	3	249	3	311	6	173	3	200

.R=RF	2		1	1	2		2	
.S=Skip	10505	12418	11460	10709	11772	10884	10192	9149
.X=Missing organ	5							
0. No	2401	682	2161	30	2270	33	1918	21
1. Yes	5050	1567	5916	70	6003	70	5043	44
Value-----	S3PROST	S4PROST	S5PROST	S6PROST	S7PROST	S8PROST	S9PROST	S10PROST
.A=Asked prv wave		5087		5526		5662		4429
.D=DK/NA	14	4	24	1	46		29	1
.M=Oth missing	2	158	3	199	6	107	1	121
.R=RF	1			1	2		1	
.S=Skip	5952	6984	6360	5819	6482	5869	5328	4626
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
.X=Missing organ	5							
0. No	1822	509	1583	27	1613	31	1371	21
1. Yes	4119	1236	4760	66	4823	66	3916	43

How Constructed:

RwCHOLST, RwFLUSHT, RwbREAST, RwmAMMOG, RwpPAPSM, 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 wave, 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 R 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 R 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

AHEAD 1995:

D919 B19B. PREVENTATIVE BEHAV FLU SHOT
D920 B19C. PREVENTATIVE BEHAV CHOLESTEROL
D925 B19F. PREVENTATIVE BEHAV BREAST LUMP
D926 B19G.PREVENTATIVE MAMMOGRAM
D927 B19H.PREVENTATIVE 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.PREVENTATIVE 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
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

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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SMOKEV	12652	0.63	0.48	0.0	1.0
R2SMOKEV	19639	0.59	0.49	0.0	1.0
R3SMOKEV	17790	0.59	0.49	0.0	1.0
R4SMOKEV	21228	0.59	0.49	0.0	1.0
R5SMOKEV	19440	0.59	0.49	0.0	1.0
R6SMOKEV	18037	0.58	0.49	0.0	1.0
R7SMOKEV	20009	0.57	0.49	0.0	1.0
R8SMOKEV	18359	0.57	0.50	0.0	1.0
R9SMOKEV	17116	0.57	0.50	0.0	1.0

R1SMOKEV	15284	0.56	0.50	0.0	1.0
S1SMOKEV	9900	0.63	0.48	0.0	1.0
S2SMOKEV	13087	0.61	0.49	0.0	1.0
S3SMOKEV	11735	0.61	0.49	0.0	1.0
S4SMOKEV	13846	0.60	0.49	0.0	1.0
S5SMOKEV	12625	0.60	0.49	0.0	1.0
S6SMOKEV	11544	0.59	0.49	0.0	1.0
S7SMOKEV	12886	0.58	0.49	0.0	1.0
S8SMOKEV	11655	0.58	0.49	0.0	1.0
S9SMOKEV	10576	0.57	0.50	0.0	1.0
S10SMOKEV	9182	0.57	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	19576	0.15	0.36	0.0	1.0
R6SMOKEN	18164	0.14	0.35	0.0	1.0
R7SMOKEN	20000	0.15	0.36	0.0	1.0
R8SMOKEN	18355	0.14	0.34	0.0	1.0
R9SMOKEN	17114	0.13	0.34	0.0	1.0
R10SMOKEN	15280	0.12	0.32	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	12728	0.14	0.35	0.0	1.0
S6SMOKEN	11638	0.13	0.34	0.0	1.0
S7SMOKEN	12883	0.14	0.34	0.0	1.0
S8SMOKEN	11653	0.13	0.33	0.0	1.0
S9SMOKEN	10575	0.12	0.32	0.0	1.0
S10SMOKEN	9179	0.11	0.31	0.0	1.0

Categorical Variable Codes

Value-----	R1SMOKEV	R2SMOKEV	R3SMOKEV	R4SMOKEV	R5SMOKEV	R6SMOKEV	R7SMOKEV	R8SMOKEV	R9SMOKEV	R10SMOKEV	
.M=Oth missing			3	201	156	139	127	120	110	101	88
.R=RF						1					
0. No	4626	8122	7372	8734	8058	7548	8527	7897	7410	6665	
1. Yes	8026	11517	10418	12494	11382	10489	11482	10462	9706	8619	

Value-----	S1SMOKEV	S2SMOKEV	S3SMOKEV	S4SMOKEV	S5SMOKEV	S6SMOKEV	S7SMOKEV	S8SMOKEV	S9SMOKEV	S10SMOKEV	
.M=Oth missing			1	180	132	105	94	86	80	70	59
.R=RF						1					
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	379	584	418	537	311	220	380	317	365	431	
0. No	3688	5090	4587	5504	5064	4719	5430	4944	4545	3978	
1. Yes	6212	7997	7148	8342	7561	6825	7456	6711	6031	5204	

Value-----	R1SMOKEN	R2SMOKEN	R3SMOKEN	R4SMOKEN	R5SMOKEN	R6SMOKEN	R7SMOKEN	R8SMOKEN	R9SMOKEN	R10SMOKEN	
.D=DK/NA			5		2	1	1	2	1	1	
.M=Oth missing				350		1	1	127	112	102	91
.R=RF			2	1	1		1				
0. no	9214	15990	14670	17818	16606	15632	16988	15824	14854	13452	
1. yes	3438	3645	2970	3563	2970	2532	3012	2531	2260	1828	

Value-----	S1SMOKEN	S2SMOKEN	S3SMOKEN	S4SMOKEN	S5SMOKEN	S6SMOKEN	S7SMOKEN	S8SMOKEN	S9SMOKEN	S10SMOKEN	
.D=DK/NA			1				1			1	
.M=Oth missing				250		1	1	88	82	71	61
.R=RF			2	1	1						
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	379	584	418	537	311	220	380	317	365	431	
0. no	7429	10667	9729	11789	10918	10095	11107	10165	9343	8204	
1. yes	2471	2418	1935	2189	1810	1543	1776	1488	1232	975	

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 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 skipped if R 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 Waves 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 skipped if R said no to having ever smoked in a previous wave. In Waves 4 to 6, the question is 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 skipped if R 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

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
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
2	R2SHLTFC	R2SHLTFC:W2 Flag chg self-reported hlth	Categ
3	R3SHLTFC	R3SHLTFC:W3 Flag chg self-reported hlth	Categ
4	R4SHLTFC	R4SHLTFC:W4 Flag chg self-reported hlth	Categ
5	R5SHLTFC	R5SHLTFC:W5 Flag chg self-reported hlth	Categ
6	R6SHLTFC	R6SHLTFC:W6 Flag chg self-reported hlth	Categ
7	R7SHLTFC	R7SHLTFC:W7 Flag chg self-reported hlth	Categ
8	R8SHLTFC	R8SHLTFC:W8 Flag chg self-reported hlth	Categ
9	R9SHLTFC	R9SHLTFC:W9 Flag chg self-reported hlth	Categ
10	R10SHLTFC	R10SHLTFC:W10 Flag chg self-reported hlth	Categ
2	S2SHLTFC	S2SHLTFC:W2 Flag chg self-reported hlth	Categ
3	S3SHLTFC	S3SHLTFC:W3 Flag chg self-reported hlth	Categ
4	S4SHLTFC	S4SHLTFC:W4 Flag chg self-reported hlth	Categ
5	S5SHLTFC	S5SHLTFC:W5 Flag chg self-reported hlth	Categ
6	S6SHLTFC	S6SHLTFC:W6 Flag chg self-reported hlth	Categ
7	S7SHLTFC	S7SHLTFC:W7 Flag chg self-reported hlth	Categ
8	S8SHLTFC	S8SHLTFC:W8 Flag chg self-reported hlth	Categ
9	S9SHLTFC	S9SHLTFC:W9 Flag chg self-reported hlth	Categ
10	S10SHLTFC	S10SHLTFC:W10 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	15231	0.03	0.90	-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	9114	0.03	0.87	-4.0	4.0
R2SHLTCF	19642	3.77	4.44	0.0	9.0
R3SHLTCF	17991	0.16	1.13	0.0	9.0
R4SHLTCF	21384	2.18	3.82	0.0	9.0
R5SHLTCF	19579	0.16	1.08	0.0	9.0
R6SHLTCF	18165	0.18	1.09	0.0	9.0
R7SHLTCF	20129	1.60	3.41	0.0	9.0
R8SHLTCF	18469	0.16	1.07	0.0	9.0
R9SHLTCF	17217	0.14	0.96	0.0	9.0
R10SHLTCF	15372	0.14	0.95	0.0	9.0
S2SHLTCF	13088	2.99	4.24	0.0	9.0
S3SHLTCF	11915	0.21	1.29	0.0	9.0
S4SHLTCF	13978	2.29	3.89	0.0	9.0
S5SHLTCF	12730	0.21	1.27	0.0	9.0
S6SHLTCF	11639	0.22	1.24	0.0	9.0
S7SHLTCF	12972	1.76	3.54	0.0	9.0
S8SHLTCF	11735	0.20	1.24	0.0	9.0
S9SHLTCF	10646	0.17	1.11	0.0	9.0
S10SHLTCF	9241	0.17	1.10	0.0	9.0

Categorical Variable Codes

Value-----	R2SHLTCF	R3SHLTCF	R4SHLTCF	R5SHLTCF	R6SHLTCF	R7SHLTCF	R8SHLTCF	R9SHLTCF	R10SHLTCF
0.Used IW-1	11419	17340	15749	18848	17210	16181	17787	16461	14748
1.Used IW-2		366	413	298	482	274	255	404	255
2.Used IW-3			119	114	119	87	114	91	118
3.Used IW-4				43	71	47	39	53	49
4.Used IW-5					37	27	17	16	35
5.Used IW-6						16	9	5	14
6.Used IW-7							4	6	7
7.Used IW-8								5	2
8.Used IW-9									3
9.Missing	8223	285	5103	276	246	3497	244	176	141
Value-----	S2SHLTCF	S3SHLTCF	S4SHLTCF	S5SHLTCF	S6SHLTCF	S7SHLTCF	S8SHLTCF	S9SHLTCF	S10SHLTCF
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.Used IW-1	8738	11426	10170	12232	11038	10252	11300	10219	8871
1.Used IW-2		241	229	164	277	131	121	200	125
2.Used IW-3			67	62	55	43	64	41	65
3.Used IW-4				18	38	22	21	17	24
4.Used IW-5					15	16	8	8	20
5.Used IW-6						13		5	3
6.Used IW-7							4		4
7.Used IW-8								1	
8.Used IW-9									2
9.Missing	4350	248	3512	254	216	2495	217	155	127

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 R missed an interview due to non-response, the change is between the current and the last interview that R 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:

$$\text{RwSHLTC} = \text{RwSHLT} - \text{RpSHLT}$$

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
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
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
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
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
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
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
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
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
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
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
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

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	15235	0.15	0.85	-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	9118	0.10	0.73	-4.0	5.0
R3ADLF	17991	0.17	1.18	0.0	9.0
R4ADLF	21384	2.19	3.83	0.0	9.0
R5ADLF	19579	0.17	1.14	0.0	9.0
R6ADLF	18165	0.18	1.09	0.0	9.0
R7ADLF	20129	1.60	3.40	0.0	9.0
R8ADLF	18469	0.15	1.02	0.0	9.0
R9ADLF	17217	0.14	0.92	0.0	9.0
R10ADLF	15372	0.14	0.93	0.0	9.0
S3ADLF	11915	0.21	1.30	0.0	9.0
S4ADLF	13978	2.29	3.89	0.0	9.0
S5ADLF	12730	0.21	1.28	0.0	9.0
S6ADLF	11639	0.22	1.26	0.0	9.0
S7ADLF	12972	1.76	3.54	0.0	9.0
S8ADLF	11735	0.19	1.20	0.0	9.0
S9ADLF	10646	0.16	1.06	0.0	9.0
S10ADLF	9241	0.17	1.09	0.0	9.0
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	15236	0.18	0.94	-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	9119	0.12	0.83	-4.0	5.0
R3GROSSF	17991	3.65	4.40	0.0	9.0
R4GROSSF	21384	2.24	3.87	0.0	9.0
R5GROSSF	19579	0.19	1.19	0.0	9.0
R6GROSSF	18165	0.19	1.12	0.0	9.0
R7GROSSF	20129	1.60	3.40	0.0	9.0
R8GROSSF	18469	0.15	1.02	0.0	9.0
R9GROSSF	17217	0.13	0.92	0.0	9.0
R10GROSSF	15372	0.14	0.93	0.0	9.0
S3GROSSF	11915	2.88	4.18	0.0	9.0
S4GROSSF	13978	2.32	3.91	0.0	9.0
S5GROSSF	12730	0.21	1.31	0.0	9.0
S6GROSSF	11639	0.22	1.27	0.0	9.0
S7GROSSF	12972	1.76	3.54	0.0	9.0
S8GROSSF	11735	0.19	1.20	0.0	9.0
S9GROSSF	10646	0.16	1.06	0.0	9.0
S10GROSSF	9241	0.17	1.09	0.0	9.0

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	15235	0.08	0.55	-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	9118	0.06	0.48	-3.0	3.0
R3FINEF	17991	0.17	1.17	0.0	9.0
R4FINEF	21384	2.18	3.83	0.0	9.0
R5FINEF	19579	0.17	1.14	0.0	9.0
R6FINEF	18165	0.18	1.10	0.0	9.0
R7FINEF	20129	1.60	3.40	0.0	9.0
R8FINEF	18469	0.15	1.02	0.0	9.0
R9FINEF	17217	0.13	0.92	0.0	9.0
R10FINEF	15372	0.14	0.93	0.0	9.0
S3FINEF	11915	0.21	1.30	0.0	9.0
S4FINEF	13978	2.29	3.89	0.0	9.0
S5FINEF	12730	0.21	1.28	0.0	9.0
S6FINEF	11639	0.22	1.26	0.0	9.0
S7FINEF	12972	1.76	3.54	0.0	9.0
S8FINEF	11735	0.19	1.20	0.0	9.0
S9FINEF	10646	0.16	1.06	0.0	9.0
S10FINEF	9241	0.17	1.09	0.0	9.0

Categorical Variable Codes

Value-----	R3ADLF	R4ADLF	R5ADLF	R6ADLF	R7ADLF	R8ADLF	R9ADLF	R10ADLF
0.Used IW-1	17320	15733	18828	17209	16195	17810	16481	14755
1.Used IW-2	362	413	288	480	274	255	403	254
2.Used IW-3		118	113	119	85	114	91	117
3.Used IW-4			42	71	46	39	52	49
4.Used IW-5				37	27	16	16	35
5.Used IW-6					16	9	4	13
6.Used IW-7						4	6	7
7.Used IW-8							5	2
8.Used IW-9								3
9.Missing	309	5120	308	249	3486	222	159	137
Value-----	S3ADLF	S4ADLF	S5ADLF	S6ADLF	S7ADLF	S8ADLF	S9ADLF	S10ADLF
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.Used IW-1	11420	10168	12230	11034	10258	11315	10232	8874
1.Used IW-2	241	229	162	276	133	121	201	125
2.Used IW-3		67	62	55	42	64	41	66
3.Used IW-4			18	38	22	21	17	24
4.Used IW-5				15	16	7	8	20
5.Used IW-6					13		4	3
6.Used IW-7						4		4
7.Used IW-8							1	
8.Used IW-9								2
9.Missing	254	3514	258	221	2488	203	142	123
Value-----	R3GROSSF	R4GROSSF	R5GROSSF	R6GROSSF	R7GROSSF	R8GROSSF	R9GROSSF	R10GROSSF
0.Used IW-1	10382	15736	18830	17209	16194	17812	16484	14757

1.Used IW-2	362	261	289	480	274	255	403	254
2.Used IW-3		118	79	119	85	114	91	117
3.Used IW-4			42	57	46	39	52	49
4.Used IW-5				37	24	16	16	35
5.Used IW-6					16	7	4	13
6.Used IW-7						4	3	7
7.Used IW-8							5	1
8.Used IW-9								3
9.Missing	7247	5269	339	263	3490	222	159	136
Value-----	S3GROSSF	S4GROSSF	S5GROSSF	S6GROSSF	S7GROSSF	S8GROSSF	S9GROSSF	S10GROSSF
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.Used IW-1	7883	10169	12231	11034	10257	11315	10233	8875
1.Used IW-2	241	176	163	276	133	121	201	125
2.Used IW-3		67	49	55	42	64	41	66
3.Used IW-4			18	32	22	21	17	24
4.Used IW-5				15	16	7	8	20
5.Used IW-6					13		4	3
6.Used IW-7						4		4
7.Used IW-8							1	
8.Used IW-9								2
9.Missing	3791	3566	269	227	2489	203	141	122
Value-----	R3FINEF	R4FINEF	R5FINEF	R6FINEF	R7FINEF	R8FINEF	R9FINEF	R10FINEF
0.Used IW-1	17321	15734	18828	17209	16194	17811	16482	14755
1.Used IW-2	362	413	288	479	274	255	403	254
2.Used IW-3		118	113	119	85	114	91	117
3.Used IW-4			42	71	46	39	52	49
4.Used IW-5				37	27	16	16	35
5.Used IW-6					16	9	4	13
6.Used IW-7						4	6	7
7.Used IW-8							5	2
8.Used IW-9								3
9.Missing	308	5119	308	250	3487	221	158	137
Value-----	S3FINEF	S4FINEF	S5FINEF	S6FINEF	S7FINEF	S8FINEF	S9FINEF	S10FINEF
.U=Unmar	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	418	537	311	220	380	317	365	431
0.Used IW-1	11421	10169	12230	11034	10258	11315	10232	8874
1.Used IW-2	241	229	162	276	133	121	201	125
2.Used IW-3		67	62	55	42	64	41	66
3.Used IW-4			18	38	22	21	17	24
4.Used IW-5				15	16	7	8	20
5.Used IW-6					13		4	3
6.Used IW-7						4		4
7.Used IW-8							1	
8.Used IW-9								2
9.Missing	253	3513	258	221	2488	203	142	123

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 R missed an interview due to non-response, the change is between the current and the last interview that R 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 Wave 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, RwgGROSSA, and RwfFINEA 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. RwgGROSSA summarizes difficulty with walking one block, walking across a room, climbing a flight of stairs, getting in and out of bed, and bathing. RwfFINEA summarizes difficulty with picking up a dime, eating, and dressing.

The derivation of these variables is:

$$RwADLC = RwADLA - RpADLA$$

$$RwgGROSSC = RwgGROSSA - RpGROSSA$$

$$RwfFINEC = RwfFINEA - RpFINEA$$

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, RwgGROSSC 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, RwgGROSSF, and RwfFINEF 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 RwgGROSSA and RwfFINEA 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
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
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
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
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
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	S9CANCERS	S9CANCERS:W9 S had cancer since last IW	Categ
10	S10CANCERS	S10CANCERS:W10 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
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
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
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
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
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

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
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
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
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
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
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
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
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
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
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
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
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

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	0.06	0.23	0.0	1.0
R10HIBPS	15203	0.05	0.23	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	0.21	0.0	1.0
S5HIBPS	12475	0.05	0.21	0.0	1.0
S6HIBPS	11417	0.06	0.23	0.0	1.0
S7HIBPS	10474	0.05	0.22	0.0	1.0
S8HIBPS	11524	0.05	0.23	0.0	1.0
S9HIBPS	10492	0.05	0.23	0.0	1.0
S10HIBPS	9099	0.05	0.22	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	18223	0.03	0.17	0.0	1.0
R9DIABS	17034	0.03	0.16	0.0	1.0
R10DIABS	15200	0.04	0.19	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	11519	0.03	0.17	0.0	1.0
S9DIABS	10489	0.03	0.16	0.0	1.0
S10DIABS	9103	0.04	0.19	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	0.16	0.0	1.0
R10CANCRS	15194	0.03	0.16	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	9093	0.03	0.17	0.0	1.0
R2LUNGS	11420	0.01	0.12	0.0	1.0
R3LUNGS	17711	0.01	0.11	0.0	1.0
R4LUNGS	16281	0.02	0.13	0.0	1.0
R5LUNGS	19298	0.01	0.12	0.0	1.0
R6LUNGS	17916	0.02	0.13	0.0	1.0

R7LUNGS	16630	0.02	0.14	0.0	1.0
R8LUNGS	18224	0.02	0.13	0.0	1.0
R9LUNGS	17039	0.02	0.14	0.0	1.0
R10LUNGS	15212	0.02	0.15	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	0.12	0.0	1.0
S5LUNGS	12474	0.01	0.12	0.0	1.0
S6LUNGS	11415	0.01	0.12	0.0	1.0
S7LUNGS	10472	0.02	0.13	0.0	1.0
S8LUNGS	11519	0.02	0.12	0.0	1.0
S9LUNGS	10491	0.02	0.13	0.0	1.0
S10LUNGS	9107	0.02	0.13	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	0.20	0.0	1.0
R8HEARTS	18223	0.04	0.19	0.0	1.0
R9HEARTS	17037	0.04	0.19	0.0	1.0
R10HEARTS	15213	0.05	0.21	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	0.04	0.19	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	9103	0.04	0.20	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	0.14	0.0	1.0
R9STROKS	17050	0.02	0.13	0.0	1.0
R10STROKS	15226	0.02	0.15	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	0.02	0.12	0.0	1.0
S9STROKS	10496	0.01	0.12	0.0	1.0
S10STROKS	9108	0.02	0.14	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	0.15	0.0	1.0

R10PSYCHS	15204	0.03	0.16	0.0	1.0
S2PSYCHS	8738	0.02	0.13	0.0	1.0
S3PSYCHS	11671	0.02	0.14	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	0.14	0.0	1.0
S8PSYCHS	11514	0.02	0.15	0.0	1.0
S9PSYCHS	10487	0.02	0.14	0.0	1.0
S10PSYCHS	9099	0.02	0.15	0.0	1.0
R2ARTHRS	11418	0.06	0.23	0.0	1.0
R3ARTHRS	17708	0.14	0.34	0.0	1.0
R4ARTHRS	16279	0.07	0.25	0.0	1.0
R5ARTHRS	19292	0.05	0.23	0.0	1.0
R6ARTHRS	17904	0.06	0.23	0.0	1.0
R7ARTHRS	16615	0.05	0.21	0.0	1.0
R8ARTHRS	18228	0.04	0.20	0.0	1.0
R9ARTHRS	17049	0.05	0.21	0.0	1.0
R10ARTHRS	15216	0.05	0.21	0.0	1.0
S2ARTHRS	8736	0.06	0.23	0.0	1.0
S3ARTHRS	11667	0.11	0.32	0.0	1.0
S4ARTHRS	10465	0.07	0.25	0.0	1.0
S5ARTHRS	12468	0.05	0.23	0.0	1.0
S6ARTHRS	11405	0.06	0.24	0.0	1.0
S7ARTHRS	10459	0.05	0.22	0.0	1.0
S8ARTHRS	11515	0.05	0.21	0.0	1.0
S9ARTHRS	10493	0.05	0.21	0.0	1.0
S10ARTHRS	9099	0.05	0.22	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	0.27	0.54	0.0	5.0
R7CONDS	16654	0.25	0.52	0.0	5.0
R8CONDS	18259	0.25	0.52	0.0	5.0
R9CONDS	17071	0.25	0.52	0.0	5.0
R10CONDS	15245	0.28	0.56	0.0	6.0
S2CONDS	8740	0.18	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	0.26	0.52	0.0	4.0
S7CONDS	10486	0.24	0.51	0.0	5.0
S8CONDS	11535	0.24	0.51	0.0	5.0
S9CONDS	10504	0.24	0.51	0.0	4.0
S10CONDS	9116	0.27	0.54	0.0	6.0
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	0.14	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	15248	0.02	0.22	0.0	8.0
S2CONDSM	8740	0.00	0.05	0.0	2.0

.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8442	11289	10001	11871	10782	9932	10899	9919	8615
1.yes	295	380	465	604	635	542	625	573	484
Value-----	R2DIABS	R3DIABS	R4DIABS	R5DIABS	R6DIABS	R7DIABS	R8DIABS	R9DIABS	R10DIABS
.D=DK/NA	5	8	7	3	4	13	15	12	18
.M=Oth missing		12	17	17	19	18	21	25	27
.P=No prev IW	8219	270	5091	265	227	3472	208	143	124
.R=RF		2		3	1	1	2	3	3
0.no	11224	17360	15950	18863	17374	16195	17687	16569	14644
1.yes	194	339	319	428	540	430	536	465	556
Value-----	S2DIABS	S3DIABS	S4DIABS	S5DIABS	S6DIABS	S7DIABS	S8DIABS	S9DIABS	S10DIABS
.D=DK/NA	2	4	1	1	2	5	6	5	4
.M=Oth missing		5	6	7	10	11	10	12	11
.P=No prev IW	4348	240	3504	247	210	2485	199	139	122
.R=RF				1			1	1	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8603	11452	10277	12188	11068	10198	11183	10204	8771
1.yes	135	214	190	286	349	273	336	285	332
Value-----	R2CANCRS	R3CANCRS	R4CANCRS	R5CANCRS	R6CANCRS	R7CANCRS	R8CANCRS	R9CANCRS	R10CANCRS
.D=DK/NA	6	7	10	8	5	12	12	8	15
.M=Oth missing		9	17	23	28	26	35	37	38
.P=No prev IW	8219	270	5091	265	227	3472	208	143	124
.R=RF	2	3	1	4	1	2	2	3	1
0.no	11275	17352	15884	18866	17431	16222	17791	16605	14769
1.yes	140	350	381	413	473	395	421	421	425
Value-----	S2CANCRS	S3CANCRS	S4CANCRS	S5CANCRS	S6CANCRS	S7CANCRS	S8CANCRS	S9CANCRS	S10CANCRS
.D=DK/NA	3	6	3	2	4	6	6	5	8
.M=Oth missing		5	10	12	13	14	17	16	17
.P=No prev IW	4348	240	3504	247	210	2485	199	139	122
.R=RF	2	1	1	1	1		1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8627	11428	10213	12207	11113	10215	11252	10227	8829
1.yes	108	235	247	261	298	252	260	257	264
Value-----	R2LUNGS	R3LUNGS	R4LUNGS	R5LUNGS	R6LUNGS	R7LUNGS	R8LUNGS	R9LUNGS	R10LUNGS
.D=DK/NA	2	1	4	6	8	7	16	6	13
.M=Oth missing		7	8	7	13	18	19	26	22
.P=No prev IW	8219	270	5091	265	227	3472	208	143	124
.R=RF	1	2		3	1	2	2	3	1
0.no	11262	17510	16019	19012	17596	16315	17918	16697	14882
1.yes	158	201	262	286	320	315	306	342	330
Value-----	S2LUNGS	S3LUNGS	S4LUNGS	S5LUNGS	S6LUNGS	S7LUNGS	S8LUNGS	S9LUNGS	S10LUNGS
.D=DK/NA	2	1	2	2	4	2	7	4	3
.M=Oth missing		5	6	6	9	13	9	10	8
.P=No prev IW	4348	240	3504	247	210	2485	199	139	122
.R=RF	1			1	1		1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8626	11549	10324	12298	11250	10284	11342	10302	8948
1.yes	111	120	142	176	165	188	177	189	159
Value-----	R2HEARTS	R3HEARTS	R4HEARTS	R5HEARTS	R6HEARTS	R7HEARTS	R8HEARTS	R9HEARTS	R10HEARTS
.D=DK/NA	1	1	7	2	9	13	12	7	11
.M=Oth missing		6	7	10	10	17	24	27	22
.P=No prev IW	8219	270	5091	265	227	3472	208	143	124
.R=RF		1		2	1	1	2	3	2
0.no	11166	17111	15711	18671	17237	15967	17570	16432	14513
1.yes	256	602	568	629	681	659	653	605	700
Value-----	S2HEARTS	S3HEARTS	S4HEARTS	S5HEARTS	S6HEARTS	S7HEARTS	S8HEARTS	S9HEARTS	S10HEARTS
.D=DK/NA			3	1	4	6	3	4	4
.M=Oth missing		2	3	5	7	10	11	10	11
.P=No prev IW	4348	240	3504	247	210	2485	199	139	122
.R=RF				1	1		1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8546	11308	10111	12106	11026	10097	11146	10132	8718
1.yes	194	365	357	370	391	374	375	359	385

Value-----	R2STROKS	R3STROKS	R4STROKS	R5STROKS	R6STROKS	R7STROKS	R8STROKS	R9STROKS	R10STROKS
.D=DK/NA	1	3	5	1	7	5	11	6	4
.M=Oth missing		4	7	5	9	11	11	15	16
.P=No prev IW	8219	270	5091	265	227	3472	208	143	124
.R=RF		2		4	1	1	2	3	2
0.no	11347	17361	15946	18936	17552	16326	17896	16740	14853
1.yes	75	351	335	368	369	314	341	310	373
Value-----	S2STROKS	S3STROKS	S4STROKS	S5STROKS	S6STROKS	S7STROKS	S8STROKS	S9STROKS	S10STROKS
.D=DK/NA		2	2	1	1	2	5	2	1
.M=Oth missing		3	5	3	6	7	6	7	9
.P=No prev IW	4348	240	3504	247	210	2485	199	139	122
.R=RF				1	1		1	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8694	11488	10305	12287	11237	10332	11348	10349	8923
1.yes	46	182	162	191	184	146	176	147	185
Value-----	R2PSYCHS	R3PSYCHS	R4PSYCHS	R5PSYCHS	R6PSYCHS	R7PSYCHS	R8PSYCHS	R9PSYCHS	R10PSYCHS
.D=DK/NA		3	5	4	4	9	11	7	17
.M=Oth missing		6	7	6	9	13	21	23	24
.P=No prev IW	8219	270	5091	265	227	3472	208	143	124
.R=RF	3	1		1	2	2	3	3	3
0.no	11199	17308	15948	18920	17484	16244	17736	16649	14805
1.yes	221	403	333	383	439	389	490	392	399
Value-----	S2PSYCHS	S3PSYCHS	S4PSYCHS	S5PSYCHS	S6PSYCHS	S7PSYCHS	S8PSYCHS	S9PSYCHS	S10PSYCHS
.D=DK/NA			4	2	1	4	7	4	5
.M=Oth missing		4	4	4	5	6	13	14	14
.P=No prev IW	4348	240	3504	247	210	2485	199	139	122
.R=RF	2			1	1	2	2	2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8589	11451	10304	12263	11190	10270	11233	10278	8894
1.yes	149	220	162	214	232	206	281	209	205
Value-----	R2ARTHRS	R3ARTHRS	R4ARTHRS	R5ARTHRS	R6ARTHRS	R7ARTHRS	R8ARTHRS	R9ARTHRS	R10ARTHRS
.D=DK/NA	5	2	7	8	13	12	4	7	14
.M=Oth missing		10	7	11	20	29	28	14	16
.P=No prev IW	8219	270	5091	265	227	3472	208	143	124
.R=RF		1		3	1	1	1	4	2
0.no	10761	15275	15166	18244	16900	15820	17440	16274	14495
1.yes	657	2433	1113	1048	1004	795	788	775	721
Value-----	S2ARTHRS	S3ARTHRS	S4ARTHRS	S5ARTHRS	S6ARTHRS	S7ARTHRS	S8ARTHRS	S9ARTHRS	S10ARTHRS
.D=DK/NA	4	2	3	6	8	8	1	4	8
.M=Oth missing		6	6	8	15	20	20	8	11
.P=No prev IW	4348	240	3504	247	210	2485	199	139	122
.R=RF				1	1			2	1
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.no	8235	10333	9782	11789	10735	9933	10993	9988	8642
1.yes	501	1334	683	679	670	526	522	505	457
Value-----	R2CONDSP	R3CONDSP	R4CONDSP	R5CONDSP	R6CONDSP	R7CONDSP	R8CONDSP	R9CONDSP	R10CONDSP
0.Used IW-1	11423	17354	15761	18859	17225	16204	17823	16493	14764
1.Used IW-2		367	413	298	485	276	255	405	255
2.Used IW-3			119	114	120	87	114	91	119
3.Used IW-4				43	71	47	39	53	49
4.Used IW-5					37	27	17	16	35
5.Used IW-6						16	9	5	14
6.Used IW-7							4	6	7
7.Used IW-8								5	2
8.Used IW-9									3
9.Missing	8219	270	5091	265	227	3472	208	143	124
Value-----	S2CONDSP	S3CONDSP	S4CONDSP	S5CONDSP	S6CONDSP	S7CONDSP	S8CONDSP	S9CONDSP	S10CONDSP
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	584	418	537	311	220	380	317	365	431
0.Used IW-1	8740	11433	10178	12239	11042	10260	11318	10234	8875
1.Used IW-2		242	229	164	279	133	121	201	125
2.Used IW-3			67	62	55	43	64	41	66
3.Used IW-4				18	38	22	21	17	24
4.Used IW-5					15	16	8	8	20
5.Used IW-6						13		5	3

6.Used IW-7								4		4
7.Used IW-8									1	
8.Used IW-9										2
9.Missing	4348	240	3504	247	210	2485	199	139		122

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 R missed an interview due to non-response, the change is between the current and the last interview that R 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, RwcANCERS, 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, SwCANCERS, 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]; 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 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

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

Categorical Variable Codes

Value-----	R5MEMRYS	R6MEMRYS	R7MEMRYS	R8MEMRYS	R9MEMRYS
.D=DK/NA	6	11	13	14	12
.M=Oth missing				1	4
.P=No prev IW	728	460	3563	239	4092
.R=RF		1	1	4	2
0.no	18518	17355	16177	17873	12309
1.yes	327	338	375	338	798

Value-----	S5MEMRYS	S6MEMRYS	S7MEMRYS	S8MEMRYS	S9MEMRYS
.D=DK/NA	5	3	4	6	3
.M=Oth missing					2
.P=No prev IW	494	320	2536	211	2836
.R=RF		1		2	1
.U=Unmar	6538	6306	6777	6417	6206
.V=Sp NR	311	220	380	317	365
0.no	12088	11181	10279	11357	7482
1.yes	143	134	153	159	322

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 R missed an interview due to non-response, the change is between the current and the last interview that R 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.

RwMEMRYS indicates if the respondent has reported the onset of a memory-related disease since the last interview to which he/she responded. It is 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 is 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.

SwMEMRYS is this information for R'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.

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
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
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
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
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

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
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
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

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	0.02	0.35	-1.6	1.6
R10LIV75C	4087	-0.05	0.35	-1.5	1.5
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	0.02	0.34	-1.6	1.6
S10LIV75C	2825	-0.05	0.34	-1.5	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	1.32	-19.9	20.4
R8LIV8XC	14315	0.23	1.65	-15.1	33.4
R9LIV8XC	13345	0.21	2.01	-33.6	34.9
R10LIV8XC	12121	0.04	1.96	-32.2	28.4
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	0.17	1.86	-33.6	32.2
S10LIV8XC	7608	0.02	1.81	-32.2	28.3
R2LIV75F	11420	1.53	3.38	0.0	9.0
R3LIV75F	10964	2.25	3.87	0.0	9.0
R4LIV75F	15433	5.12	4.44	0.0	9.0
R5LIV75F	19579	5.52	4.37	0.0	9.0
R6LIV75F	18165	5.88	4.27	0.0	9.0
R7LIV75F	20129	6.65	3.95	0.0	9.0
R8LIV75F	18469	6.09	4.20	0.0	9.0
R9LIV75F	17217	6.41	4.07	0.0	9.0
R10LIV75F	15372	6.62	3.96	0.0	9.0
S2LIV75F	8739	1.64	3.47	0.0	9.0
S3LIV75F	8306	2.43	3.98	0.0	9.0
S4LIV75F	11178	5.07	4.45	0.0	9.0
S5LIV75F	12730	5.01	4.46	0.0	9.0
S6LIV75F	11639	5.38	4.40	0.0	9.0
S7LIV75F	12972	6.31	4.11	0.0	9.0
S8LIV75F	11735	5.66	4.34	0.0	9.0
S9LIV75F	10646	6.01	4.23	0.0	9.0
S10LIV75F	9241	6.26	4.13	0.0	9.0
R2LIV85F	11420	1.21	3.07	0.0	9.0
R3LIV85F	10964	1.65	3.46	0.0	9.0
R4LIV85F	15433	5.19	4.43	0.0	9.0
S2LIV85F	8739	1.23	3.09	0.0	9.0
S3LIV85F	8306	1.68	3.49	0.0	9.0
S4LIV85F	11178	5.13	4.45	0.0	9.0
R2LIV8XF	8222	8.90	0.93	0.0	9.0
R3LIV8XF	7027	2.94	4.22	0.0	9.0
R4LIV8XF	5951	8.92	0.82	0.0	9.0
R5LIV8XF	19579	5.25	4.42	0.0	9.0
R6LIV8XF	18165	2.54	4.03	0.0	9.0
R7LIV8XF	20129	3.40	4.35	0.0	9.0
R8LIV8XF	18469	2.04	3.75	0.0	9.0

R9LIV8XF	17217	2.05	3.75	0.0	9.0
R10LIV8XF	15372	1.94	3.67	0.0	9.0
S2LIV8XF	4349	8.82	1.25	0.0	9.0
S3LIV8XF	3609	2.41	3.99	0.0	9.0
S4LIV8XF	2800	8.88	1.04	0.0	9.0
S5LIV8XF	12730	4.72	4.48	0.0	9.0
S6LIV8XF	11639	2.27	3.88	0.0	9.0
S7LIV8XF	12972	3.28	4.32	0.0	9.0
S8LIV8XF	11735	1.81	3.59	0.0	9.0
S9LIV8XF	10646	1.75	3.54	0.0	9.0
S10LIV8XF	9241	1.62	3.43	0.0	9.0

Categorical Variable Codes

Value-----	R2LIV75F	R3LIV75F	R4LIV75F	R5LIV75F	R6LIV75F	R7LIV75F	R8LIV75F	R9LIV75F	R10LIV75F
.Q=Not applicable this wv	8222	7027	5951						
0.Used IW-1	9483	8024	6496	7462	6095	5163	5899	4837	3965
1.Used IW-2		228	120	82	172	79	48	118	69
2.Used IW-3			63	33	30	22	23	10	42
3.Used IW-4				17	23	14	6	2	5
4.Used IW-5					16	7	1		4
5.Used IW-6						6	1	1	2
6.Used IW-7							1		
9.Missing	1937	2712	8754	11985	11829	14838	12490	12249	11285

Value-----	S2LIV75F	S3LIV75F	S4LIV75F	S5LIV75F	S6LIV75F	S7LIV75F	S8LIV75F	S9LIV75F	S10LIV75F
.Q=Not applicable this wv	4549	3704	2800						
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	384	323	537	311	220	380	317	365	431
0.Used IW-1	7151	5937	4790	5583	4553	3821	4312	3478	2761
1.Used IW-2		137	73	43	107	37	30	54	37
2.Used IW-3			35	19	18	13	16	6	23
3.Used IW-4				5	13	7	4		3
4.Used IW-5					8	6			1
5.Used IW-6						5		1	
6.Used IW-7							1		
9.Missing	1588	2232	6280	7080	6940	9083	7372	7107	6416

Value-----	R2LIV85F	R3LIV85F	R4LIV85F
.Q=Not applicable this wv	8222	7027	8444
0.Used IW-1	9886	8745	6384
1.Used IW-2		236	122
2.Used IW-3			58
9.Missing	1534	1983	8869

Value-----	S2LIV85F	S3LIV85F	S4LIV85F
.Q=Not applicable this wv	4549	3704	2800
.U=Unmar	5970	5658	6869
.V=Sp NR	384	323	537
0.Used IW-1	7545	6628	4720
1.Used IW-2		145	75
2.Used IW-3			31
9.Missing	1194	1533	6352

Value-----	R2LIV8XF	R3LIV8XF	R4LIV8XF	R5LIV8XF	R6LIV8XF	R7LIV8XF	R8LIV8XF	R9LIV8XF	R10LIV8XF
.Q=Not applicable this wv	11420	10964	22227						
0.Used IW-1	89	4727	48	7975	12758	12306	14086	13024	11840
1.Used IW-2			2	141	210	170	139	229	146
2.Used IW-3				62	64	38	67	47	72
3.Used IW-4				24	36	29	10	32	32
4.Used IW-5					20	18	7	5	17
5.Used IW-6						9	4	3	8
6.Used IW-7							2	3	3
7.Used IW-8								2	1
8.Used IW-9									2
9.Missing	8133	2299	5901	11377	5077	7559	4154	3872	3251

Value-----	S2LIV8XF	S3LIV8XF	S4LIV8XF	S5LIV8XF	S6LIV8XF	S7LIV8XF	S8LIV8XF	S9LIV8XF	S10LIV8XF
.Q=Not applicable this wv	9123	8629	11178						
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	200	95	537	311	220	380	317	365	431

0.Used IW-1	86	2640	36	5949	8549	8137	9283	8452	7466
1.Used IW-2		1	2	75	128	80	66	114	70
2.Used IW-3				36	34	20	35	20	39
3.Used IW-4				9	21	13	6	7	15
4.Used IW-5					9	13		3	11
5.Used IW-6						8		3	2
6.Used IW-7							2		3
7.Used IW-8								1	
8.Used IW-9									2
9.Missing	4263	968	2762	6661	2898	4701	2343	2046	1633

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 requires the use of 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:

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 R missed an interview due to non-response, the change is between the current and the last interview that R 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 Waave 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 respondent's 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:

$$\text{RwLIV75C} = \text{RwLIV75R} - \text{RpLIV75R}$$

$$\text{RwLIV85C} = \text{RwLIV85R} - \text{RpLIV85R}, \text{ when both } w \text{ and } p \text{ are Wave 1, 2H, 3H, or 4}$$

$$\text{RwLIV8XC} = \text{RwLIV10R} - \text{RpLIV85R}, \text{ when } w \text{ is Wave 2A, 3A, or 5 and } p \text{ is Wave 1, 2H, 3H, or 4}$$

$$\text{RwLIV8XC} = \text{RwLIV10R} - \text{RpLIV10R}, \text{ when both } w \text{ and } p \text{ are Wave 2A, 3A or 5}$$

$$\text{RwLIV8XC} = \text{RwLIV85R} - \text{RpLIV10R}, \text{ when } w \text{ is Wave 4 and } p \text{ is Wave 2A or 3A}$$

where 'w' means current wave and 'p' means the previous interview. For example, if an individual responded to Waves 2H and 3H, $\text{R3LIV75C} = \text{R3LIV75R} - \text{R2LIV75R}$. 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]; 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.

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.

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.

Imputed Cognition: Status and Flags
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Wave	Variable	Label	Type
1	R1STATUS	R1STATUS: W1 IMPUTATION ELIGIBILITY STATUS	Categ
2	R2STATUS	R2STATUS: W2 IMPUTATION ELIGIBILITY STATUS	Categ
3	R3STATUS	R3STATUS: W3 IMPUTATION ELIGIBILITY STATUS	Categ
4	R4STATUS	R4STATUS: W4 IMPUTATION ELIGIBILITY STATUS	Categ
5	R5STATUS	R5STATUS: W5 IMPUTATION ELIGIBILITY STATUS	Categ
6	R6STATUS	R6STATUS: W6 IMPUTATION ELIGIBILITY STATUS	Categ
7	R7STATUS	R7STATUS: W7 IMPUTATION ELIGIBILITY STATUS	Categ
8	R8STATUS	R8STATUS: W8 IMPUTATION ELIGIBILITY STATUS	Categ
9	R9STATUS	R9STATUS: W9 IMPUTATION ELIGIBILITY STATUS	Categ
1	S1STATUS	S1STATUS: W1 IMPUTATION ELIGIBILITY STATUS	Categ
2	S2STATUS	S2STATUS: W2 IMPUTATION ELIGIBILITY STATUS	Categ
3	S3STATUS	S3STATUS: W3 IMPUTATION ELIGIBILITY STATUS	Categ
4	S4STATUS	S4STATUS: W4 IMPUTATION ELIGIBILITY STATUS	Categ
5	S5STATUS	S5STATUS: W5 IMPUTATION ELIGIBILITY STATUS	Categ
6	S6STATUS	S6STATUS: W6 IMPUTATION ELIGIBILITY STATUS	Categ
7	S7STATUS	S7STATUS: W7 IMPUTATION ELIGIBILITY STATUS	Categ
8	S8STATUS	S8STATUS: W8 IMPUTATION ELIGIBILITY STATUS	Categ
9	S9STATUS	S9STATUS: W9 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
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
7	R7NOVOC	R7NOVOC:W7 NOT ASKED VOCABULARY	Categ
8	R8NOVOC	R8NOVOC:W8 NOT ASKED VOCABULARY	Categ
9	R9NOVOC	R9NOVOC:W9 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

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
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	11644	1.08	0.33	1.0	3.0
S9STATUS	10501	1.09	0.36	1.0	3.0
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
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
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
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

Categorical Variable Codes

Value-----	R1STATUS	R2STATUS	R3STATUS	R4STATUS	R5STATUS	R6STATUS	R7STATUS	R8STATUS	R9STATUS
.C: Hrs-Ahd overlap	124	16	16	16	16	16	16	16	16
.X: NR or Proxy all IW	1636	1640	1640	1640	1640	1640	1640	1640	1640
1.Cog meas	11883	18073	16351	19341	17517	16129	18327	17209	15856
2.Proxy IW	360	748	1045	1477	1621	1674	1409	931	908
3.Non-resp	16668	10194	11619	8197	9877	11212	9279	10875	12251
Value-----	S1STATUS	S2STATUS	S3STATUS	S4STATUS	S5STATUS	S6STATUS	S7STATUS	S8STATUS	S9STATUS
.C: Hrs-Ahd overlap	121								
.U: Unmarried	2373	5970	5658	6869	6538	6306	6777	6417	6206
.X: NR or Proxy all IW	485	766	516	569	431	341	501	408	510
1.Cog meas	9166	11936	10804	12571	11320	10280	11769	10943	9781
2.Proxy IW	343	644	722	1003	1066	1081	869	499	464
3.Non-resp	164	326	291	372	224	157	213	202	256
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						

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 R skipped these tasks based on age and re-interview status and 0 if R 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 R skipped the vocabulary questions based on age, re-interview status, and alternate year settings, and 0 if R was asked to perform the vocabulary task.

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.

HRS Variables Used

Tracker:

STUDY STUDY MEMBERSHIP

Imputed Cognition: Self-reported Memory
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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
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
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
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
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
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

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
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

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
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
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
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

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
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
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
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

Categorical Variable Codes

Value-----	R1SLFMEM	R2SLFMEM	R3SLFMEM	R4SLFMEM	R5SLFMEM	R6SLFMEM	R7SLFMEM	R8SLFMEM	R9SLFMEM
.C: Hrs-Ahd overlap	119								
.S: Proxy IW	360	748	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	290	821	595	566	441	362	393	329	232
1.Excellent	2297	2430	1150	1514	1069	814	1170	991	833
2.Very good	4265	5439	3671	4787	4224	3994	4241	3981	3718
3.Good	3505	6456	6942	8336	7766	7059	7553	7186	6875
4.Fair	1474	3025	3703	3911	3730	3556	4401	4139	3793
5.Poor	342	723	885	793	728	706	962	912	858

Value-----	S1SLFMEM	S2SLFMEM	S3SLFMEM	S4SLFMEM	S5SLFMEM	S6SLFMEM	S7SLFMEM	S8SLFMEM	S9SLFMEM
.C: Hrs-Ahd overlap	116								
.S: Proxy IW	343	644	722	1003	1066	1081	869	499	464
.U: Unmarried	2373	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	379	584	418	537	311	220	380	317	365
.X: NR or Proxy all IW	275	508	389	404	344	278	334	293	193
1.Excellent	1762	1668	699	924	690	529	746	636	496
2.Very good	3353	3828	2459	3182	2816	2594	2809	2600	2403
3.Good	2721	4208	4687	5514	5057	4630	4930	4673	4376
4.Fair	1094	1853	2420	2504	2343	2133	2739	2518	2253
5.Poor	236	379	539	447	414	394	545	516	461

Value-----	R1FSLFME	R2FSLFME	R3FSLFME	R4FSLFME	R5FSLFME	R6FSLFME	R7FSLFME	R8FSLFME
.C: Hrs-Ahd overlap	119							

.S: Proxy IW	360	748	1045	1477	1621	1674	1409	931	
.X: NR or Proxy all IW	290	821	595	566	441	362	393	329	
0.Not imputed	11813	18028	16336	19318	17493	16111	18267	17186	
1.Imputed	70	45	15	23	24	18	60	23	
Value-----	S1FSLFME	S2FSLFME	S3FSLFME	S4FSLFME	S5FSLFME	S6FSLFME	S7FSLFME	S8FSLFME	
.C: Hrs-Ahd overlap	116								
.S: Proxy IW	343	644	722	1003	1066	1081	869	499	
.U: Unmarried	2373	5970	5658	6869	6538	6306	6777	6417	
.V: Spouse non-resp	379	584	418	537	311	220	380	317	
.X: NR or Proxy all IW	275	508	389	404	344	278	334	293	
0.Not imputed	9130	11919	10797	12559	11309	10269	11736	10934	
1.Imputed	36	17	7	12	11	11	33	9	
Value-----	R1PSTMEM	R2PSTMEM	R3PSTMEM	R4PSTMEM	R5PSTMEM	R6PSTMEM	R7PSTMEM	R8PSTMEM	R9PSTMEM
.C: Hrs-Ahd overlap	119								
.S: Proxy IW	360	748	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	290	821	595	566	441	362	393	329	232
1.Better	1064	928	486	542	421	306	546	404	427
2.Same	9314	14886	12796	15143	14002	12553	13503	12929	12042
3.Worse	1505	2259	3069	3656	3094	3270	4278	3876	3608
Value-----	S1PSTMEM	S2PSTMEM	S3PSTMEM	S4PSTMEM	S5PSTMEM	S6PSTMEM	S7PSTMEM	S8PSTMEM	S9PSTMEM
.C: Hrs-Ahd overlap	116								
.S: Proxy IW	343	644	722	1003	1066	1081	869	499	464
.U: Unmarried	2373	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	379	584	418	537	311	220	380	317	365
.X: NR or Proxy all IW	275	508	389	404	344	278	334	293	193
1.Better	720	572	245	310	247	165	288	218	228
2.Same	7327	9971	8561	9894	9132	8048	8755	8360	7612
3.Worse	1119	1393	1998	2367	1941	2067	2726	2365	2149
Value-----	R1FPSTME	R2FPSTME	R3FPSTME	R4FPSTME	R5FPSTME	R6FPSTME	R7FPSTME	R8FPSTME	R9FPSTME
.C: Hrs-Ahd overlap	119								
.S: Proxy IW	360	748	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	290	821	595	566	441	362	393	329	232
0.Not imputed	11817	18032	16332	19311	17482	16101	18252	17176	16042
1.Imputed	66	41	19	30	35	28	75	33	35
Value-----	S1FPSTME	S2FPSTME	S3FPSTME	S4FPSTME	S5FPSTME	S6FPSTME	S7FPSTME	S8FPSTME	S9FPSTME
.C: Hrs-Ahd overlap	116								
.S: Proxy IW	343	644	722	1003	1066	1081	869	499	464
.U: Unmarried	2373	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	379	584	418	537	311	220	380	317	365
.X: NR or Proxy all IW	275	508	389	404	344	278	334	293	193
0.Not imputed	9133	11921	10795	12560	11301	10259	11727	10922	9974
1.Imputed	33	15	9	11	19	21	42	21	15

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

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).

SwSLFMEM, SwFSLFME, SwPSTMEM, and SwFPSTME are taken from the Wave 'w' spouse's value for RwSLFMEM, RwFSLFME, RWPSTMEM, and RWFPTSTME, respectively.

Note that the variable names RwFSLFME and RWFPTSTME have been shortened from RwFSLFMEM and RWFPTSTMEM in the original HRS imputation file to conform to the current 8-character limit.

Cross Wave Differences in Original HRS Data

In W1 and W2H, 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, somewhat 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?

HRS Variables Used

HRS 1992:
 V5101 L1:MEMRY:ABLE THNK QUICK
 V5102 L2:MEMRY:AS QUIK 2YR AGO

AHEAD 1993:
 B355 C1. RATE MEMORY NOW
 B356 C2. COMPARE MEMORY WITH LAST YEAR

HRS 1994:
 W5810 C1.RATE MEMORY NOW
 W5811 C2.RATE MEMORY 2 YRS AGO

AHEAD 1995:
 D1161 C1.RATE MEMORY
 D1162 C2.RATE MEMORY PAST

HRS 1996:
 E1161 C1.RATE MEMORY
 E1162 C2.RATE MEMORY PAST

HRS 1998:
 F1479 C1.RATE MEMORY
 F1480 C2.RATE MEMORY PAST

HRS 2000:
 G1654 C1.RATE MEMORY
 G1655 C2.RATE MEMORY PAST

HRS 2002:
 HD101 RATE MEMORY
 HD102 RATE MEMORY PAST

HRS 2004:
 JD101 RATE MEMORY
 JD102 RATE MEMORY PAST

HRS 2006:
 KD101 RATE MEMORY
 KD102 RATE MEMORY PAST

HRS 2008:
 LD101 RATE MEMORY
 LD102 RATE MEMORY PAST

Tracker:
 STUDY STUDY MEMBERSHIP

Imputed Cognition: Immediate Word Recall

Wave	Variable	Label	Type
1	R1IMRC20	R1IMRC20: W1 IMMEDIATE WORD RECALL	Cont
2	R2AIMR10	R2AIMR10:W2 IMMEDIATE WORD RECALL-AHD93	Cont
2	R2HIMR20	R2HIMR20: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
1	S1IMRC20	S1IMRC20: W1 IMMEDIATE WORD RECALL	Cont
2	S2AIMR10	S2AIMR10:W2 IMMEDIATE WORD RECALL-AHD93	Cont
2	S2HIMR20	S2HIMR20:W2 IMMEDIATE WORD RECALL-HRS94	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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IMRC20	11883	7.44	2.73	0.0	20.0
R2AIMR10	7382	4.55	1.94	0.0	10.0
R2HIMR20	10691	7.91	3.17	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

S1IMRC20	9166	7.56	2.69	0.0	20.0
S2AIMR10	3866	4.83	1.88	0.0	10.0
S2HIMR20	8070	8.01	3.12	0.0	20.0
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
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
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

Categorical Variable Codes

Value-----	R1FIMRC	R2FIMRC	R3FIMRC	R4FIMRC	R5FIMRC	R6FIMRC	R7FIMRC	R8FIMRC	R9FIMRC
.C: Hrs-Ahd overlap	119								
.S: Proxy IW	360	748	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	290	821	595	566	441	362	393	329	232
0.Not imputed	11622	17429	16210	19172	17313	15790	18065	16997	15919
1.Imputed	261	644	141	169	204	339	262	212	158
Value-----	S1FIMRC	S2FIMRC	S3FIMRC	S4FIMRC	S5FIMRC	S6FIMRC	S7FIMRC	S8FIMRC	S9FIMRC
.C: Hrs-Ahd overlap	116								
.S: Proxy IW	343	644	722	1003	1066	1081	869	499	464
.U: Unmarried	2373	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	379	584	418	537	311	220	380	317	365
.X: NR or Proxy all IW	275	508	389	404	344	278	334	293	193
0.Not imputed	8995	11577	10732	12495	11244	10085	11638	10827	9916
1.Imputed	171	359	72	76	76	195	131	116	73

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

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).

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.

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.

HRS Variables Used

HRS 1992:			
V5105	L4A:#	OF WORDS	RECALLED
AHEAD 1993:			
IMMWORDC	C4.	IMMEDIATE	RECALL-# CORRECT
HRS 1994:			
W5832	C4.	Number of words	reca
AHEAD 1995:			
D1174M1	C4.WORD	RECALL	IMM
D1174M10	C4.WORD	RECALL	IMM
D1174M11	C4.WORD	RECALL	IMM
D1174M2	C4.WORD	RECALL	IMM
D1174M3	C4.WORD	RECALL	IMM
D1174M4	C4.WORD	RECALL	IMM
D1174M5	C4.WORD	RECALL	IMM
D1174M6	C4.WORD	RECALL	IMM
D1174M7	C4.WORD	RECALL	IMM
D1174M8	C4.WORD	RECALL	IMM
D1174M9	C4.WORD	RECALL	IMM
HRS 1996:			
E1174M1	C4.WORD	RECALL	IMM
E1174M10	C4.WORD	RECALL	IMM
E1174M11	C4.WORD	RECALL	IMM
E1174M2	C4.WORD	RECALL	IMM
E1174M3	C4.WORD	RECALL	IMM
E1174M4	C4.WORD	RECALL	IMM
E1174M5	C4.WORD	RECALL	IMM
E1174M6	C4.WORD	RECALL	IMM
E1174M7	C4.WORD	RECALL	IMM
E1174M8	C4.WORD	RECALL	IMM
E1174M9	C4.WORD	RECALL	IMM
HRS 1998:			
F1491M1	C4.WORD	RECALL	IMM
F1491M10	C4.WORD	RECALL	IMM
F1491M11	C4.WORD	RECALL	IMM
F1491M2	C4.WORD	RECALL	IMM
F1491M3	C4.WORD	RECALL	IMM

F1491M4	C4.WORD RECALL IMM	
F1491M5	C4.WORD RECALL IMM	
F1491M6	C4.WORD RECALL IMM	
F1491M7	C4.WORD RECALL IMM	
F1491M8	C4.WORD RECALL IMM	
F1491M9	C4.WORD RECALL IMM	
HRS 2000:		
G1666M1	C4.WORD RECALL IMM	
G1666M10	C4.WORD RECALL IMM	
G1666M11	C4.WORD RECALL IMM	
G1666M2	C4.WORD RECALL IMM	
G1666M3	C4.WORD RECALL IMM	
G1666M4	C4.WORD RECALL IMM	
G1666M5	C4.WORD RECALL IMM	
G1666M6	C4.WORD RECALL IMM	
G1666M7	C4.WORD RECALL IMM	
G1666M8	C4.WORD RECALL IMM	
G1666M9	C4.WORD RECALL IMM	
HRS 2002:		
HD182M1	WORD RECALL IMMEDIATE	-1
HD182M10	WORD RECALL IMMEDIATE	-10
HD182M2	WORD RECALL IMMEDIATE	-2
HD182M3	WORD RECALL IMMEDIATE	-3
HD182M4	WORD RECALL IMMEDIATE	-4
HD182M5	WORD RECALL IMMEDIATE	-5
HD182M6	WORD RECALL IMMEDIATE	-6
HD182M7	WORD RECALL IMMEDIATE	-7
HD182M8	WORD RECALL IMMEDIATE	-8
HD182M9	WORD RECALL IMMEDIATE	-9
HRS 2004:		
JD182M1	WORD RECALL IMMEDIATE	-1
JD182M10	WORD RECALL IMMEDIATE	-10
JD182M2	WORD RECALL IMMEDIATE	-2
JD182M3	WORD RECALL IMMEDIATE	-3
JD182M4	WORD RECALL IMMEDIATE	-4
JD182M5	WORD RECALL IMMEDIATE	-5
JD182M6	WORD RECALL IMMEDIATE	-6
JD182M7	WORD RECALL IMMEDIATE	-7
JD182M8	WORD RECALL IMMEDIATE	-8
JD182M9	WORD RECALL IMMEDIATE	-9
HRS 2006:		
KD182M1	WORD RECALL IMMEDIATE	-1
KD182M10	WORD RECALL IMMEDIATE	-10
KD182M2	WORD RECALL IMMEDIATE	-2
KD182M3	WORD RECALL IMMEDIATE	-3
KD182M4	WORD RECALL IMMEDIATE	-4
KD182M5	WORD RECALL IMMEDIATE	-5
KD182M6	WORD RECALL IMMEDIATE	-6
KD182M7	WORD RECALL IMMEDIATE	-7
KD182M8	WORD RECALL IMMEDIATE	-8
KD182M9	WORD RECALL IMMEDIATE	-9
HRS 2008:		
LD182M1	WORD RECALL IMMEDIATE	- 1
LD182M10	WORD RECALL IMMEDIATE	- 10
LD182M2	WORD RECALL IMMEDIATE	- 2
LD182M3	WORD RECALL IMMEDIATE	- 3
LD182M4	WORD RECALL IMMEDIATE	- 4
LD182M5	WORD RECALL IMMEDIATE	- 5
LD182M6	WORD RECALL IMMEDIATE	- 6
LD182M7	WORD RECALL IMMEDIATE	- 7
LD182M8	WORD RECALL IMMEDIATE	- 8
LD182M9	WORD RECALL IMMEDIATE	- 9

Tracker:

STUDY

STUDY MEMBERSHIP

Imputed Cognition: Delayed Word Recall

Wave	Variable	Label	Type
1	R1DLRC20	R1DLRC20: W1 DELAYED WORD RECALL	Cont
2	R2ADLR10	R2ADLR10:W2 DELAYED WORD RECALL-AHD93	Cont
2	R2HDLR20	R2HDLR20: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
1	S1DLRC20	S1DLRC20: W1 DELAYED WORD RECALL	Cont
2	S2ADLR10	S2ADLR10:W2 DELAYED WORD RECALL-AHD93	Cont
2	S2HDLR20	S2HDLR20:W2 DELAYED WORD RECALL-HRS94	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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DLRC20	11883	5.40	2.91	0.0	20.0
R2ADLR10	7382	3.16	2.24	0.0	10.0
R2HDLR20	10691	6.03	3.35	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

S1DLRC20	9166	5.56	2.89	0.0	20.0
S2ADLR10	3866	3.49	2.19	0.0	10.0
S2HDLR20	8070	6.14	3.31	0.0	20.0
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
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
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

Categorical Variable Codes

Value-----	R1FDLRC	R2FDLRC	R3FDLRC	R4FDLRC	R5FDLRC	R6FDLRC	R7FDLRC	R8FDLRC	R9FDLRC
.C: Hrs-Ahd overlap	119								
.S: Proxy IW	360	748	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	290	821	595	566	441	362	393	329	232
0.Not imputed	11535	17174	16053	19001	17188	15483	17907	16838	15793
1.Imputed	348	899	298	340	329	646	420	371	284
Value-----	S1FDLRC	S2FDLRC	S3FDLRC	S4FDLRC	S5FDLRC	S6FDLRC	S7FDLRC	S8FDLRC	S9FDLRC
.C: Hrs-Ahd overlap	116								
.S: Proxy IW	343	644	722	1003	1066	1081	869	499	464
.U: Unmarried	2373	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	379	584	418	537	311	220	380	317	365
.X: NR or Proxy all IW	275	508	389	404	344	278	334	293	193
0.Not imputed	8933	11437	10660	12421	11184	9925	11564	10751	9861
1.Imputed	233	499	144	150	136	355	205	192	128

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

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).

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.

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.

HRS Variables Used

HRS 1992:	
V5126	L17A:TOT # WORDS RECALLD
AHEAD 1993:	
B393A1	C12. WORD RECALL DELAY-1
B393A10	C12. WORD RECALL DELAY-10
B393A11	C12. WORD RECALL DELAY-11
B393A2	C12. WORD RECALL DELAY-2
B393A3	C12. WORD RECALL DELAY-3
B393A4	C12. WORD RECALL DELAY-4
B393A5	C12. WORD RECALL DELAY-5
B393A6	C12. WORD RECALL DELAY-6
B393A7	C12. WORD RECALL DELAY-7
B393A8	C12. WORD RECALL DELAY-8
B393A9	C12. WORD RECALL DELAY-9
DELWORDC	C12. DELAYED RECALL-# CORRECT
HRS 1994:	
W5877	C19. Number of words rec
AHEAD 1995:	
D1314M1	C12.WORDS DELAYED
D1314M10	C12.WORDS DELAYED
D1314M2	C12.WORDS DELAYED
D1314M3	C12.WORDS DELAYED
D1314M4	C12.WORDS DELAYED
D1314M5	C12.WORDS DELAYED
D1314M6	C12.WORDS DELAYED
D1314M7	C12.WORDS DELAYED
D1314M8	C12.WORDS DELAYED
D1314M9	C12.WORDS DELAYED
HRS 1996:	
E1314M1	C12.WORDS DELAYED
E1314M10	C12.WORDS DELAYED

E1314M11 C12.WORDS DELAYED
E1314M2 C12.WORDS DELAYED
E1314M3 C12.WORDS DELAYED
E1314M4 C12.WORDS DELAYED
E1314M5 C12.WORDS DELAYED
E1314M6 C12.WORDS DELAYED
E1314M7 C12.WORDS DELAYED
E1314M8 C12.WORDS DELAYED
E1314M9 C12.WORDS DELAYED
HRS 1998:
F1640M1 C8. WORDS DELAYED
F1640M10 C8. WORDS DELAYED
F1640M11 C8. WORDS DELAYED
F1640M2 C8. WORDS DELAYED
F1640M3 C8. WORDS DELAYED
F1640M4 C8. WORDS DELAYED
F1640M5 C8. WORDS DELAYED
F1640M6 C8. WORDS DELAYED
F1640M7 C8. WORDS DELAYED
F1640M8 C8. WORDS DELAYED
F1640M9 C8. WORDS DELAYED
HRS 2000:
G1815M1 C8. WORDS DELAYED
G1815M10 C8. WORDS DELAYED
G1815M11 C8. WORDS DELAYED
G1815M2 C8. WORDS DELAYED
G1815M3 C8. WORDS DELAYED
G1815M4 C8. WORDS DELAYED
G1815M5 C8. WORDS DELAYED
G1815M6 C8. WORDS DELAYED
G1815M7 C8. WORDS DELAYED
G1815M8 C8. WORDS DELAYED
G1815M9 C8. WORDS DELAYED
HRS 2002:
HD183M1 WORD RECALL DELAYED -1
HD183M10 WORD RECALL DELAYED -10
HD183M2 WORD RECALL DELAYED -2
HD183M3 WORD RECALL DELAYED -3
HD183M4 WORD RECALL DELAYED -4
HD183M5 WORD RECALL DELAYED -5
HD183M6 WORD RECALL DELAYED -6
HD183M7 WORD RECALL DELAYED -7
HD183M8 WORD RECALL DELAYED -8
HD183M9 WORD RECALL DELAYED -9
HRS 2004:
JD183M1 WORD RECALL DELAYED -1
JD183M10 WORD RECALL DELAYED -10
JD183M2 WORD RECALL DELAYED -2
JD183M3 WORD RECALL DELAYED -3
JD183M4 WORD RECALL DELAYED -4
JD183M5 WORD RECALL DELAYED -5
JD183M6 WORD RECALL DELAYED -6
JD183M7 WORD RECALL DELAYED -7
JD183M8 WORD RECALL DELAYED -8
JD183M9 WORD RECALL DELAYED -9
HRS 2006:
KD183M1 WORD RECALL DELAYED -1
KD183M10 WORD RECALL DELAYED -10
KD183M2 WORD RECALL DELAYED -2
KD183M3 WORD RECALL DELAYED -3
KD183M4 WORD RECALL DELAYED -4
KD183M5 WORD RECALL DELAYED -5
KD183M6 WORD RECALL DELAYED -6

KD183M7 WORD RECALL DELAYED -7
KD183M8 WORD RECALL DELAYED -8
KD183M9 WORD RECALL DELAYED -9
HRS 2008:
LD183M1 WORD RECALL DELAYED -1
LD183M10 WORD RECALL DELAYED -10
LD183M2 WORD RECALL DELAYED -2
LD183M3 WORD RECALL DELAYED -3
LD183M4 WORD RECALL DELAYED -4
LD183M5 WORD RECALL DELAYED -5
LD183M6 WORD RECALL DELAYED -6
LD183M7 WORD RECALL DELAYED -7
LD183M8 WORD RECALL DELAYED -8
LD183M9 WORD RECALL DELAYED -9
Tracker:
STUDY STUDY MEMBERSHIP

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
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
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	R8FSER7: W8 IMPFLAG: SERIAL 7S	Categ
9	R9FSER7	R9FSER7: W9 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	S8FSER7: W8 IMPFLAG: SERIAL 7S	Categ
9	S9FSER7	S9FSER7: W9 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
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

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
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

Categorical Variable Codes

Value-----	R2FSER7	R3FSER7	R4FSER7	R5FSER7	R6FSER7	R7FSER7	R8FSER7	R9FSER7
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	6548	15644	18675	16859	15592	17695	16778	15654
1.Imputed	834	707	666	658	537	632	431	423
Value-----	S2FSER7	S3FSER7	S4FSER7	S5FSER7	S6FSER7	S7FSER7	S8FSER7	S9FSER7
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3541	10471	12268	11042	10022	11459	10718	9775
1.Imputed	325	333	303	278	258	310	225	214

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

How Constructed:

RwSER7 provides the number of correct subtractions in the serial 7's 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 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.

SwSER7 is taken from the Wave w spouse's value for RwSER7.

Cross Wave Differences in Original HRS Data

This question was not asked in Waves 1 and 2H but is included in all other waves.

HRS Variables Used

AHEAD 1993:

B384	C11a. SUBTRACT 7-1
B385	C11b. SUBTRACT 7-2
B386	C11c. SUBTRACT 7-3
B387	C11d. SUBTRACT 7-4
B388	C11e. SUBTRACT 7-5
SERIES7	C11a-C11e. # CORRECT SUBTRACTIONS

AHEAD 1995:

D1305	C11A.SERIES 7-1
D1306	C11B.SERIES 7-2
D1307	C11C.SERIES 7-3
D1308	C11D.SERIES 7-4
D1309	C11E.SERIES 7-5

HRS 1996:

E1305	C11A.SERIES 7-1
E1306	C11B.SERIES 7-2
E1307	C11C.SERIES 7-3
E1308	C11D.SERIES 7-4
E1309	C11E.SERIES 7-5

HRS 1998:

F1631	C7A. SERIES 7-1
F1632	C7B. SERIES 7-2
F1633	C7C. SERIES 7-3
F1634	C7D. SERIES 7-4
F1635	C7E. SERIES 7-5

HRS 2000:

G1806	C7A. SERIES 7-1
G1807	C7B. SERIES 7-2
G1808	C7C. SERIES 7-3
G1809	C7D. SERIES 7-4
G1810	C7E. SERIES 7-5

HRS 2002:

HD142	SERIES MINUS 7- 1
HD143	SERIES MINUS 7- 2
HD144	SERIES MINUS 7- 3
HD145	SERIES MINUS 7- 4
HD146	SERIES MINUS 7- 5

HRS 2004:

JD142	SERIES MINUS 7- 1
JD143	SERIES MINUS 7- 2
JD144	SERIES MINUS 7- 3
JD145	SERIES MINUS 7- 4
JD146	SERIES MINUS 7- 5

HRS 2006:

KD142	SERIES MINUS 7- 1
KD143	SERIES MINUS 7- 2
KD144	SERIES MINUS 7- 3
KD145	SERIES MINUS 7- 4
KD146	SERIES MINUS 7- 5

HRS 2008:

LD142	SERIES MINUS 7- 1
LD143	SERIES MINUS 7- 2
LD144	SERIES MINUS 7- 3
LD145	SERIES MINUS 7- 4
LD146	SERIES MINUS 7- 5

Tracker:

STUDY

STUDY MEMBERSHIP

Imputed Cognition: Backwards Counting
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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
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
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
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
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
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
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
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
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	R8BWC20	R9BWC20
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Incorrect	546	705	885	810	714	921	990	888
1.Correct, 2nd try	322	91	59	94	54	83	70	90
2.Correct, 1st try	6514	15555	18397	16613	15361	17323	16149	15099
Value-----	S2BWC20	S3BWC20	S4BWC20	S5BWC20	S6BWC20	S7BWC20	S8BWC20	S9BWC20
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Incorrect	204	380	468	427	364	514	550	452
1.Correct, 2nd try	134	33	27	50	24	34	32	41
2.Correct, 1st try	3528	10391	12076	10843	9892	11221	10361	9496
Value-----	R2FBWC20	R3FBWC20	R4FBWC20	R5FBWC20	R6FBWC20	R7FBWC20	R8FBWC20	R9FBWC20
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7222	16098	19195	17367	16001	18180	17105	15992
1.Imputed	160	253	146	150	128	147	104	85
Value-----	S2FBWC20	S3FBWC20	S4FBWC20	S5FBWC20	S6FBWC20	S7FBWC20	S8FBWC20	S9FBWC20
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3803	10701	12509	11262	10228	11705	10895	9953
1.Imputed	63	103	62	58	52	64	48	36
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 non-resp		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 non-resp		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			

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

How Constructed:

RwBWC20 and RwBWC86 indicate whether R 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.

SwBWC20, SwFBWC20, SwBWC86, and SwFBWC86 are taken from the Wave 'w' spouse's value for RwBWC20, RwFBWC20, RwBWC86, and RwFBWC86, respectively.

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 Wave 1 and Wave 2H.

Instructions were added in Wave 3 asking that R count backwards as quickly as possible.

HRS Variables Used

AHEAD 1993:

B379 C6. COUNT BACK FROM 20

AHEAD 1995:

D1205 C6.1ST IWER CHECK
D1228 C6.2ND IWER CHECK
D1264 C6A.1ST IWER CHECK
D1287 C6A.2ND IWER CHECK

HRS 1996:

E1205 C6.1ST IWER CHECK
E1228 C6.2ND IWER CHECK
E1264 C6A.1ST IWER CHECK
E1287 C6A.2ND IWER CHECK

HRS 1998:

F1535 C6C. IWER CHECK 20, 1ST TRY
F1558 C6F. IWER CHECK 20, 2ND TRY
F1594 C6J. IWER CHECK 86, 1ST TRY
F1617 C6N. IWER CHECK 86, 2ND TRY

HRS 2000:

G1710 C6C. IWER CHECK 20-1ST TRY
G1733 C6F. IWER CHECK 20-2ND TRY
G1769 C6J. IWER CHECK 86-1ST TRY
G1792 C6N. IWER CHECK 86-2ND TRY

HRS 2002:

HD124 IWER CHECK 20-1ST TRY
HD129 IWER CHECK 20- SECOND TRY
HD134 IWER CHECK 86-1ST TRY
HD139 IWER CHECK 86-2ND TRY

HRS 2004:

JD124 IWER CHECK 20-1ST TRY
JD129 IWER CHECK 20- SECOND TRY

HRS 2006:

KD124 IWER CHECK 20-1ST TRY
KD129 IWER CHECK 20- SECOND TRY

HRS 2008:

LD124 IWER CHECK 20-1ST TRY

LD129 IWER CHECK 20- SECOND TRY

Tracker:

STUDY STUDY MEMBERSHIP

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
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
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
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
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
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
2	R2FDY	R2FDY: W2 IMPFLAG: DATE: DAY	Categ
3	R3FDY	R3FDY: W3 IMPFLAG: DATE: DAY	Categ
4	R4FDY	R4FDY: W4 IMPFLAG: DATE: DAY	Categ

5	R5FDY	R5FDY: W5 IMPFLAG: DATE: DAY	Categ
6	R6FDY	R6FDY: W6 IMPFLAG: DATE: DAY	Categ
7	R7FDY	R7FDY: W7 IMPFLAG: DATE: DAY	Categ
8	R8FDY	R8FDY: W8 IMPFLAG: DATE: DAY	Categ
9	R9FDY	R9FDY: W9 IMPFLAG: DATE: DAY	Categ
2	S2FDY	S2FDY: W2 IMPFLAG: DATE: DAY	Categ
3	S3FDY	S3FDY: W3 IMPFLAG: DATE: DAY	Categ
4	S4FDY	S4FDY: W4 IMPFLAG: DATE: DAY	Categ
5	S5FDY	S5FDY: W5 IMPFLAG: DATE: DAY	Categ
6	S6FDY	S6FDY: W6 IMPFLAG: DATE: DAY	Categ
7	S7FDY	S7FDY: W7 IMPFLAG: DATE: DAY	Categ
8	S8FDY	S8FDY: W8 IMPFLAG: DATE: DAY	Categ
9	S9FDY	S9FDY: W9 IMPFLAG: DATE: DAY	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
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
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
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
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
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
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
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

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
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
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
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

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
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
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
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
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
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
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

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
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
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
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
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

Categorical Variable Codes

Value-----	R2MO	R3MO	R4MO	R5MO	R6MO	R7MO	R8MO	R9MO
.N: cog not asked (re-IW/ 1			7011	8013	6518	5244	6692	5504
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	287
0.Incorrect	337	419	339	286	348	450	467	447
1.Correct	7045	15932	11991	9218	9263	12633	10050	10071
Value-----	S2MO	S3MO	S4MO	S5MO	S6MO	S7MO	S8MO	S9MO
.N: cog not asked (re-IW/ 1			5090	5895	4781	3834	4872	3898
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	245
0.Incorrect	141	259	168	149	158	217	227	226
1.Correct	3725	10545	7313	5276	5341	7718	5844	5813

Value-----	R2FMO	R3FMO	R4FMO	R5FMO	R6FMO	R7FMO	R8FMO	R9FMO
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7357	16331	12308	9486	9600	13063	10489	10500
1.Imputed	25	20	22	18	11	20	28	18
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244	6692	5559
Value-----	S2FMO	S3FMO	S4FMO	S5FMO	S6FMO	S7FMO	S8FMO	S9FMO
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3854	10794	7467	5419	5492	7926	6054	6028
1.Imputed	12	10	14	6	7	9	17	11
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834	4872	3950
Value-----	R2DY	R3DY	R4DY	R5DY	R6DY	R7DY	R8DY	R9DY
.N: cog not asked (re-IW/ 1			7011	8013	6518	5244	6692	5504
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	287
0.Incorrect	1539	2699	2141	1701	1591	2284	2090	2027
1.Correct	5843	13652	10189	7803	8020	10799	8427	8491
Value-----	S2DY	S3DY	S4DY	S5DY	S6DY	S7DY	S8DY	S9DY
.N: cog not asked (re-IW/ 1			5090	5895	4781	3834	4872	3898
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	245
0.Incorrect	703	1655	1194	880	815	1247	1131	1072
1.Correct	3163	9149	6287	4545	4684	6688	4940	4967
Value-----	R2FDY	R3FDY	R4FDY	R5FDY	R6FDY	R7FDY	R8FDY	R9FDY
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7359	16341	12316	9496	9600	13062	10488	10500
1.Imputed	23	10	14	8	11	21	29	18
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244	6692	5559
Value-----	S2FDY	S3FDY	S4FDY	S5FDY	S6FDY	S7FDY	S8FDY	S9FDY
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3856	10799	7473	5420	5492	7925	6054	6029
1.Imputed	10	5	8	5	7	10	17	10
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834	4872	3950
Value-----	R2YR	R3YR	R4YR	R5YR	R6YR	R7YR	R8YR	R9YR
.N: cog not asked (re-IW/ 1			7011	8013	6518	5244	6692	5504
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	287
0.Incorrect	363	404	426	226	425	428	457	450
1.Correct	7019	15947	11904	9278	9186	12655	10060	10068
Value-----	S2YR	S3YR	S4YR	S5YR	S6YR	S7YR	S8YR	S9YR
.N: cog not asked (re-IW/ 1			5090	5895	4781	3834	4872	3898
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	245
0.Incorrect	138	198	201	98	177	180	191	175
1.Correct	3728	10606	7280	5327	5322	7755	5880	5864
Value-----	R2FYR	R3FYR	R4FYR	R5FYR	R6FYR	R7FYR	R8FYR	R9FYR
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908

.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7364	16340	12314	9493	9600	13062	10487	10501
1.Imputed	18	11	16	11	11	21	30	17
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244	6692	5559
Value-----	S2FYR	S3FYR	S4FYR	S5FYR	S6FYR	S7FYR	S8FYR	S9FYR
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3858	10799	7471	5420	5492	7925	6055	6028
1.Imputed	8	5	10	5	7	10	16	11
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834	4872	3950
Value-----	R2DW	R3DW	R4DW	R5DW	R6DW	R7DW	R8DW	R9DW
.N: cog not asked (re-IW/ 1			7011	8013	6518	5244	6692	5504
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	287
0.Incorrect	294	388	376	307	431	539	482	467
1.Correct	7088	15963	11954	9197	9180	12544	10035	10051
Value-----	S2DW	S3DW	S4DW	S5DW	S6DW	S7DW	S8DW	S9DW
.N: cog not asked (re-IW/ 1			5090	5895	4781	3834	4872	3898
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	245
0.Incorrect	122	212	190	149	202	263	235	213
1.Correct	3744	10592	7291	5276	5297	7672	5836	5826
Value-----	R2FDW	R3FDW	R4FDW	R5FDW	R6FDW	R7FDW	R8FDW	R9FDW
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7367	16341	12315	9494	9600	13063	10489	10501
1.Imputed	15	10	15	10	11	20	28	17
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244	6692	5559
Value-----	S2FDW	S3FDW	S4FDW	S5FDW	S6FDW	S7FDW	S8FDW	S9FDW
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3858	10799	7472	5420	5492	7926	6055	6028
1.Imputed	8	5	9	5	7	9	16	11
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834	4872	3950

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

How Constructed:

RwDY, RwMO, RwYR, and RwDW indicate whether R 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 code 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 R 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 R 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.

The Sw date naming variables were taken from the respective Rw variables for the Wave w spouse.

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.

HRS Variables Used

AHEAD 1993:

B373	C5a. DATE MONTH
B374	C5b. DATE DAY
B375	C5c. DATE YEAR
B376	C5d. DATE DAY OF WEEK

AHEAD 1995:

D1179	C5A.DATE MONTH-4Q
D1180	C5B.DATE DAY
D1181	C5C.DATE-YEAR
D1182	C5D.DATE-DAY/WEEK

HRS 1996:

E1179	C5A.DATE MONTH-4Q
E1180	C5B.DATE DAY
E1181	C5C.DATE-YEAR
E1182	C5D.DATE-DAY/WEEK

HRS 1998:

F1645	C9A. DATE MONTH-4Q
F1646	C9B. DATE DAY
F1647	C9C. DATE-YEAR
F1648	C9D. DATE-DAY/WEEK

HRS 2000:

G1820	C9A. DATE MONTH-4Q
G1821	C9B. DATE DAY
G1822	C9C. DATE-YEAR
G1823	C9D. DATE-DAY/WEEK

HRS 2002:

HD151	TODAYS DATE- MONTH
HD152	TODAYS DATE- DAY
HD153	TODAYS DATE- YEAR
HD154	TODAYS DATE- DAY OF WEEK

HRS 2004:

JD151	TODAYS DATE- MONTH
JD152	TODAYS DATE- DAY
JD153	TODAYS DATE- YEAR
JD154	TODAYS DATE- DAY OF WEEK

HRS 2006:

KD151	TODAYS DATE- MONTH
KD152	TODAYS DATE- DAY
KD153	TODAYS DATE- YEAR
KD154	TODAYS DATE- DAY OF WEEK

HRS 2008:

LD151	TODAYS DATE- MONTH
LD152	TODAYS DATE- DAY

LD153 TODAYS DATE- YEAR

LD154 TODAYS DATE- DAY OF WEEK

Tracker:

STUDY STUDY MEMBERSHIP

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
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
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
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
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
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
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
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

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
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
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
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
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

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
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
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

Categorical Variable Codes

Value-----	R2SCIS	R3SCIS	R4SCIS	R5SCIS	R6SCIS	R7SCIS	R8SCIS	R9SCIS
.N: cog not asked (re-IW/ 1			7011	8013	6518	5244	6692	5504
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	287
0.Incorrect	85	192	118	79	105	136	135	140
1.Correct	7297	16159	12212	9425	9506	12947	10382	10378
Value-----	S2SCIS	S3SCIS	S4SCIS	S5SCIS	S6SCIS	S7SCIS	S8SCIS	S9SCIS
.N: cog not asked (re-IW/ 1			5090	5895	4781	3834	4872	3898
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	245
0.Incorrect	32	120	62	40	56	63	67	69
1.Correct	3834	10684	7419	5385	5443	7872	6004	5970
Value-----	R2FSCIS	R3FSCIS	R4FSCIS	R5FSCIS	R6FSCIS	R7FSCIS	R8FSCIS	R9FSCIS
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7356	16319	12308	9480	9601	13067	10490	10499
1.Imputed	26	32	22	24	10	16	27	19
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244	6692	5559
Value-----	S2FSCIS	S3FSCIS	S4FSCIS	S5FSCIS	S6FSCIS	S7FSCIS	S8FSCIS	S9FSCIS
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3856	10786	7467	5417	5494	7928	6057	6027
1.Imputed	10	18	14	8	5	7	14	12
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834	4872	3950
Value-----	R2CACT	R3CACT	R4CACT	R5CACT	R6CACT	R7CACT	R8CACT	R9CACT
.N: cog not asked (re-IW/ 1			7011	8013	6518	5244	6692	5504
.Q=Not asked this cohort or	11420							

.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	287
0.Incorrect	1238	1735	1183	945	922	1122	1024	1003
1.Correct	6144	14616	11147	8559	8689	11961	9493	9515
Value-----	S2CACT	S3CACT	S4CACT	S5CACT	S6CACT	S7CACT	S8CACT	S9CACT
.N: cog not asked (re-IW/ 1			5090	5895	4781	3834	4872	3898
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	245
0.Incorrect	451	847	475	379	380	490	422	432
1.Correct	3415	9957	7006	5046	5119	7445	5649	5607
Value-----	R2FCACT	R3FCACT	R4FCACT	R5FCACT	R6FCACT	R7FCACT	R8FCACT	R9FCACT
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7351	16322	12306	9479	9599	13067	10490	10497
1.Imputed	31	29	24	25	12	16	27	21
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244	6692	5559
Value-----	S2FCACT	S3FCACT	S4FCACT	S5FCACT	S6FCACT	S7FCACT	S8FCACT	S9FCACT
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3852	10788	7466	5417	5494	7928	6057	6027
1.Imputed	14	16	15	8	5	7	14	12
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834	4872	3950

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

How Constructed:

RwCACT and RwSCIS indicate whether R 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 R 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 R 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.

The Sw object naming variables were taken from the respective Rw variables for the Wave w spouse.

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.

HRS Variables Used

AHEAD 1993:

B380 C7. CUT PAPER WITH
B381 C8. CACTUS

AHEAD 1995:

D1301 C7.CUT PAPER
D1302 C8.CACTUS

HRS 1996:

E1301 C7.CUT PAPER
E1302 C8.CACTUS

HRS 1998:

F1649 C10. CUT PAPER
F1650 C11. CACTUS

HRS 2000:

G1824 C10. CUT PAPER
G1825 C11. CACTUS

HRS 2002:

HD155 TOOL USED TO CUT PAPER
HD156 NAME OF PRICKLY DESERT PLANT

HRS 2004:

JD155 TOOL USED TO CUT PAPER
JD156 NAME OF PRICKLY DESERT PLANT

HRS 2006:

KD155 TOOL USED TO CUT PAPER
KD156 NAME OF PRICKLY DESERT PLANT

HRS 2008:

LD155 TOOL USED TO CUT PAPER
LD156 NAME OF PRICKLY DESERT PLANT

Tracker:

STUDY STUDY MEMBERSHIP

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
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
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
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
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
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
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
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

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
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
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
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
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

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
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
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

Categorical Variable Codes

Value-----	R2PRES	R3PRES	R4PRES	R5PRES	R6PRES	R7PRES	R8PRES	R9PRES
.N: cog not asked (re-IW/ 1			7011	8013	6518	5244	6692	5504
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	287
0.Incorrect	706	1019	520	494	412	369	362	383
1.Correct	6676	15332	11810	9010	9199	12714	10155	10135
Value-----	S2PRES	S3PRES	S4PRES	S5PRES	S6PRES	S7PRES	S8PRES	S9PRES
.N: cog not asked (re-IW/ 1			5090	5895	4781	3834	4872	3898
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	245
0.Incorrect	255	509	217	180	155	134	143	143
1.Correct	3611	10295	7264	5245	5344	7801	5928	5896
Value-----	R2FPRES	R3FPRES	R4FPRES	R5FPRES	R6FPRES	R7FPRES	R8FPRES	R9FPRES
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7351	16324	12307	9478	9601	13066	10490	10498
1.Imputed	31	27	23	26	10	17	27	20
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244	6692	5559
Value-----	S2FPRES	S3FPRES	S4FPRES	S5FPRES	S6FPRES	S7FPRES	S8FPRES	S9FPRES
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3854	10789	7465	5414	5494	7928	6056	6026
1.Imputed	12	15	16	11	5	7	15	13
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834	4872	3950
Value-----	R2VP	R3VP	R4VP	R5VP	R6VP	R7VP	R8VP	R9VP
.N: cog not asked (re-IW/ 1			7011	8013	6518	5244	6692	5504
.Q=Not asked this cohort or	11420							

.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	287
0.Incorrect	2093	4723	1975	951	3008	3115	2436	2672
1.Correct	5289	11628	10355	8553	6603	9968	8081	7846
Value-----	S2VP	S3VP	S4VP	S5VP	S6VP	S7VP	S8VP	S9VP
.N: cog not asked (re-IW/ 1			5090	5895	4781	3834	4872	3898
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	245
0.Incorrect	821	2619	891	355	1331	1470	1094	1220
1.Correct	3045	8185	6590	5070	4168	6465	4977	4819
Value-----	R2FVP	R3FVP	R4FVP	R5FVP	R6FVP	R7FVP	R8FVP	R9FVP
.Q=Not asked this cohort or	11420							
.S: Proxy IW	209	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	631	595	566	441	362	393	329	232
0.Not imputed	7327	16323	12306	9479	9598	13063	10490	10500
1.Imputed	55	28	24	25	13	20	27	18
2.NA-Not 65+, new IW, or al			7011	8013	6518	5244	6692	5559
Value-----	S2FVP	S3FVP	S4FVP	S5FVP	S6FVP	S7FVP	S8FVP	S9FVP
.Q=Not asked this cohort or	9123							
.S: Proxy IW	155	722	1003	1066	1081	869	499	464
.U: Unmarried	5970	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	200	418	537	311	220	380	317	365
.X: NR or Proxy all IW	328	389	404	344	278	334	293	193
0.Not imputed	3840	10789	7465	5415	5494	7927	6056	6028
1.Imputed	26	15	16	10	5	8	15	11
2.NA-Not 65+, new IW, or al			5090	5895	4781	3834	4872	3950

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

How Constructed:

RwPRES and RwVP indicate whether R was able to correctly name the current president and vice-president of the United States, respectively.

Each of these variables is code 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 R 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 R 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.

SwPRES, SwFPRES, SwVP, and SwFVP were taken from the respective Rw variables for the Wave w spouse.

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.

HRS Variables Used

AHEAD 1993:

B382 C9. PRESIDENTS NAME
B383 C10. VICE PRESIDENTS NAME

AHEAD 1995:

D1303 C9.PRESIDENT-2Q
D1304 C10.VICE PRES-2Q

HRS 1996:

E1303 C9.PRESIDENT-2Q
E1304 C10.VICE PRES-2Q

HRS 1998:

F1651 C12. PRESIDENT-2Q
F1652 C12A. VICE PRES-2Q

HRS 2000:

G1826 C12. PRESIDENT-2Q
G1827 C12A. VICE PRES-2Q

HRS 2002:

HD157 WHO IS THE PRESIDENT OF US
HD158 WHO IS THE VICE-PRESIDENT OF US

HRS 2004:

JD157 WHO IS THE PRESIDENT OF US
JD158 WHO IS THE VICE-PRESIDENT OF US

HRS 2006:

KD157 WHO IS THE PRESIDENT OF US
KD158 WHO IS THE VICE-PRESIDENT OF US

HRS 2008:

LD157 WHO IS THE PRESIDENT OF US
LD158 WHO IS THE VICE-PRESIDENT OF US

Tracker:

STUDY STUDY MEMBERSHIP

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
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
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
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

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
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
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
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

Categorical Variable Codes

Value-----	R3VOCAB	R4VOCAB	R5VOCAB	R6VOCAB	R7VOCAB	R8VOCAB	R9VOCAB
.N: cog not asked (re-IW/ 1		7011	8013	6518	15066	6692	15856
.S: Proxy IW	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	595	566	441	362	393	329	329
0	524	275	215	164	60	223	
1	379	269	220	220	60	237	3
2	625	441	344	365	95	382	4
3	1832	1048	903	811	247	907	15
4	2116	1518	1219	1259	417	1461	17
5	2808	1998	1532	1690	568	1845	18
6	3029	2362	1913	1920	659	2028	29
7	2650	2249	1627	1606	512	1803	10
8	1493	1344	962	1014	394	1044	17
9	699	607	432	395	185	452	7
10	196	219	137	167	64	135	4

Value-----	S3VOCAB	S4VOCAB	S5VOCAB	S6VOCAB	S7VOCAB	S8VOCAB	S9VOCAB
.N: cog not asked (re-IW/ 1		5090	5895	4781	9491	4872	9781
.S: Proxy IW	722	1003	1066	1081	869	499	464
.U: Unmarried	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	418	537	311	220	380	317	365
.X: NR or Proxy all IW	389	404	344	278	334	293	279
0	259	118	94	71	34	92	
1	198	137	84	98	40	113	3
2	365	235	140	179	67	210	4
3	1141	598	470	427	166	493	15
4	1380	899	675	702	275	829	16
5	1897	1229	847	949	404	1075	18
6	2051	1484	1135	1130	468	1202	28
7	1844	1401	1019	986	383	1090	10
8	1053	859	620	617	273	632	17
9	488	387	256	242	128	263	7
10	128	134	85	98	40	72	4

Value-----	R3FVOCAB	R4FVOCAB	R5FVOCAB	R6FVOCAB	R7FVOCAB	R8FVOCAB	R9FVOCAB
.S: Proxy IW	1045	1477	1621	1674	1409	931	908
.X: NR or Proxy all IW	595	566	441	362	393	329	232
0.Not imputed	16264	12249	9469	9477	3258	10409	123
1.Imputed	87	81	92	134	3	108	1
2.NA-Not 65+, new IW, or al		7011	7956	6518	15066	6692	15953

Value-----	S3FVOCAB	S4FVOCAB	S5FVOCAB	S6FVOCAB	S7FVOCAB	S8FVOCAB	S9FVOCAB
.S: Proxy IW	722	1003	1066	1081	869	499	464
.U: Unmarried	5658	6869	6538	6306	6777	6417	6206
.V: Spouse non-resp	418	537	311	220	380	317	365
.X: NR or Proxy all IW	389	404	344	278	334	293	193
0.Not imputed	10761	7434	5434	5429	2275	6017	121
1.Imputed	43	47	39	70	3	54	1
2.NA-Not 65+, new IW, or al		5090	5847	4781	9491	4872	9867

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study.](#) (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data](#)

[Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

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 R'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 R 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 R is a re-interviewee younger than 65.

SwVOCAB and SwFVOCAB were taken from the respective Rw variables for the Wave w spouse.

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.

HRS Variables Used

AHEAD 1995:

D1320_1	C13A. REPAIR
D1320_2	C13A. CONCEAL
D1323_1	C13C. FABRIC
D1323_2	C13C. ENORMOUS
D1326_1	C13E. DOMESTIC
D1326_2	C13E. PERIMETER
D1329_1	C13G. REMORSE
D1329_2	C13G. COMPASSION
D1332_1	C13J. PLAGIARIZE
D1332_2	C13J. AUDACIOUS

HRS 1996:

E1320_1	C13A. REPAIR
E1320_2	C13A. CONCEAL
E1323_1	C13C. FABRIC
E1323_2	C13C. ENORMOUS
E1326_1	C13E. DOMESTIC
E1326_2	C13E. PERIMETER
E1329_1	C13G. REMORSE
E1329_2	C13G. COMPASSION
E1332_1	C13J. PLAGIARIZE
E1332_2	C13J. AUDACIOUS

HRS 1998:

F1657_1	C13A. REPAIR
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F1657_2 C13A. CONCEAL
 F1660_1 C13C. FABRIC
 F1660_2 C13C. ENORMOUS
 F1663_1 C13E. DOMESTIC
 F1663_2 C13E. PERIMETER
 F1666_1 C13G. REMORSE
 F1666_2 C13G. COMPASSION
 F1669_1 C13J. PLAGIARIZE
 F1669_2 C13J. AUDACIOUS
 HRS 2000:
 G1832_1 C13A. REPAIR
 G1832_2 C13A. CONCEAL
 G1835_1 C13C. FABRIC
 G1835_2 C13C. ENORMOUS
 G1838_1 C13E. DOMESTIC
 G1838_2 C13E. PERIMETER
 G1841_1 C13G. REMORSE
 G1841_2 C13G. COMPASSION
 G1844_1 C13J. PLAGIARIZE
 G1844_2 C13J. AUDACIOUS
 HRS 2002:
 HD161 MEANING OF REPAIR/CONCEAL
 HD163 MEANING OF FABRIC/ENORMOUS
 HD165 MEANING OF DOMESTIC/PERIMETER
 HD167 MEANING OF REMORSE/COMPASSION
 HD169 MEANING OF PLAGIARIZE/AUDACIOUS
 HRS 2004:
 JD161 MEANING OF REPAIR/CONCEAL
 JD163 MEANING OF FABRIC/ENORMOUS
 JD165 MEANING OF DOMESTIC/PERIMETER
 JD167 MEANING OF REMORSE/COMPASSION
 JD169 MEANING OF PLAGIARIZE/AUDACIOUS
 HRS 2006:
 KD161 MEANING OF REPAIR/CONCEAL
 KD163 MEANING OF FABRIC/ENORMOUS
 KD165 MEANING OF DOMESTIC/PERIMETER
 KD167 MEANING OF REMORSE/COMPASSION
 KD169 MEANING OF PLAGIARIZE/AUDACIOUS
 HRS 2008:
 LD161 MEANING OF REPAIR/CONCEAL
 LD163 MEANING OF FABRIC/ENORMOUS
 LD165 MEANING OF DOMESTIC/PERIMETER
 LD167 MEANING OF REMORSE/COMPASSION
 LD169 MEANING OF PLAGIARIZE/AUDACIOUS
 Tracker:
 STUDY STUDY MEMBERSHIP

Imputed Cognition: Summary Scores
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Wave	Variable	Label	Type
1	R1TR40	R1TR40: W1 TOTAL WORD RECALL SUMMARY SCORE	Cont
2	R2ATR20	R2ATR20: W2 AHD WORD TOTAL RECALL SUMMARY SCORE	Cont
2	R2HTR40	R2HTR40: 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
1	S1TR40	S1TR40: W1 TOTAL WORD RECALL SUMMARY SCORE	Cont
2	S2ATR20	S2ATR20: W2 AHD WORD TOTAL RECALL SUMMARY SCORE	Cont
2	S2HTR40	S2HTR40: W2 HRS WORD TOTAL 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
2	R2AMSTOT	R2AMSTOT: W2 AHD TOTAL MENTAL STATUS 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
2	S2AMSTOT	S2AMSTOT: W2 AHD 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
2	R2ACGTOT	R2ACGTOT: W2 AHD TOTAL COGNITION 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
2	S2ACGTOT	S2ACGTOT: W2 AHD 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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TR40	11883	12.84	5.30	0.0	40.0
R2ATR20	7382	7.71	3.94	0.0	20.0
R2HTR40	10691	13.94	6.19	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
S1TR40	9166	13.12	5.23	0.0	40.0
S2ATR20	3866	8.32	3.83	0.0	20.0
S2HTR40	8070	14.15	6.08	0.0	40.0
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
R2AMSTOT	7382	12.10	2.83	0.0	15.0
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
S2AMSTOT	3866	12.59	2.54	1.0	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
R2ACGTOT	7382	19.81	5.85	0.0	35.0
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
S2ACGTOT	3866	20.91	5.43	1.0	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

General Comments:

The cognition variables are taken directly from the HRS-imputed of cognitive functioning. The imputations are complete from Wave 1 to Wave 9, but are not yet available for Wave 10. Please refer to [Documentation of Cognitive Functioning Measures in the Health and Retirement Study](#). (Wallace et.al., 2005) and [HRS Imputation of Cognitive Functioning Measures: 1992 - 2008 Data Description](#) (Fisher et.al., 2011) for a more detailed description of the measures and the imputation process.

[Note: Special missing values have been assigned to cognition measures when R has no non-proxy interviews (.X), the specific interview was by proxy (.S) and in Wave 1 when R is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.]

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.

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.

HRS Variables Used

Tracker:

STUDY STUDY MEMBERSHIP

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	Cont
2	H2ARLES	H2ARLES:W2 Assets:Other Real estate	Cont
3	H3ARLES	H3ARLES:W3 Assets:Other Real estate	Cont
4	H4ARLES	H4ARLES:W4 Assets:Other Real estate	Cont
5	H5ARLES	H5ARLES:W5 Assets:Other Real estate	Cont
6	H6ARLES	H6ARLES:W6 Assets:Other Real estate	Cont
7	H7ARLES	H7ARLES:W7 Assets:Other Real estate	Cont
8	H8ARLES	H8ARLES:W8 Assets:Other Real estate	Cont
9	H9ARLES	H9ARLES:W9 Assets:Other Real estate	Cont
10	H10ARLES	H10ARLES:W10 Assets:Other Real estate	Cont
1	H1AFRLES	H1AFRLES:W1 Asst Flag:Other Real estate	Categ
2	H2AFRLES	H2AFRLES:W2 Asst Flag:Other Real estate	Categ
3	H3AFRLES	H3AFRLES:W3 Asst Flag:Other Real estate	Categ
4	H4AFRLES	H4AFRLES:W4 Asst Flag:Other Real estate	Categ
5	H5AFRLES	H5AFRLES:W5 Asst Flag:Other Real estate	Categ
6	H6AFRLES	H6AFRLES:W6 Asst Flag:Other Real estate	Categ
7	H7AFRLES	H7AFRLES:W7 Asst Flag:Other Real estate	Categ
8	H8AFRLES	H8AFRLES:W8 Asst Flag:Other Real estate	Categ
9	H9AFRLES	H9AFRLES:W9 Asst Flag:Other Real estate	Categ
10	H10AFRLES	H10AFRLES:W10 Asst Flag:Other Real estate	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ARLES	12652	33543.90	156283.47	-20000.0	4500000.0
H2ARLES	19642	32601.64	153131.17	-1.0	5000000.0
H3ARLES	17991	36487.21	179343.74	0.0	6000000.0
H4ARLES	21384	35132.49	212739.25	0.0	10000000.0
H5ARLES	19579	39427.21	302368.73	0.0	20000000.0
H6ARLES	18165	43359.67	528928.41	0.0	40000000.0
H7ARLES	20129	40870.87	296829.64	0.0	15000000.0
H8ARLES	18469	60901.55	755054.43	0.0	50000000.0
H9ARLES	17217	50234.33	395612.84	0.0	15000000.0
H10ARLES	15372	35036.18	265651.35	-60000.0	12000000.0
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	1.86	1.0	9.0
H6AFRLES	18165	5.26	1.77	1.0	9.0
H7AFRLES	20129	5.32	1.72	1.0	9.0
H8AFRLES	18469	5.33	1.70	1.0	9.0
H9AFRLES	17217	5.40	1.64	1.0	9.0
H10AFRLES	15372	5.43	1.63	1.0	9.0

Categorical Variable Codes

Value-----	H1AFRLES	H2AFRLES	H3AFRLES	H4AFRLES	H5AFRLES	H6AFRLES	H7AFRLES	H8AFRLES	H9AFRLES	H10AFRLES
1.continuous value	2352	3521	3086	2989	2796	2393	2414	2175	1840	1587
2.complete bracket	464	865	551	659	548	367	428	360	323	274

3.incomplete bracket	39	48	157	71	61	37	47	40	36	34
4.range card bracket	186									
5.no value/bracket	98	148	122	187	172	180	194	172	147	121
6.no asset	9361	14704	13840	17140	15761	15011	16826	15557	14673	13094
7.DK ownership	57	179	109	167	117	132	131	100	123	143
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 brackets 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

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
 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
 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
 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
 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

Net value of vehicles

Wave	Variable	Label	Type
1	H1ATRAN	H1ATRAN:W1 Assets:Transportation	Cont
2	H2ATRAN	H2ATRAN:W2 Assets:Transportation	Cont
3	H3ATRAN	H3ATRAN:W3 Assets:Transportation	Cont
4	H4ATRAN	H4ATRAN:W4 Assets:Transportation	Cont
5	H5ATRAN	H5ATRAN:W5 Assets:Transportation	Cont
6	H6ATRAN	H6ATRAN:W6 Assets:Transportation	Cont
7	H7ATRAN	H7ATRAN:W7 Assets:Transportation	Cont
8	H8ATRAN	H8ATRAN:W8 Assets:Transportation	Cont
9	H9ATRAN	H9ATRAN:W9 Assets:Transportation	Cont
10	H10ATRAN	H10ATRAN:W10 Assets:Transportation	Cont
1	H1AFTRAN	H1AFTRAN:W1 Asst Flag:Transportation	Categ
2	H2AFTRAN	H2AFTRAN:W2 Asst Flag:Transportation	Categ
3	H3AFTRAN	H3AFTRAN:W3 Asst Flag:Transportation	Categ
4	H4AFTRAN	H4AFTRAN:W4 Asst Flag:Transportation	Categ
5	H5AFTRAN	H5AFTRAN:W5 Asst Flag:Transportation	Categ
6	H6AFTRAN	H6AFTRAN:W6 Asst Flag:Transportation	Categ
7	H7AFTRAN	H7AFTRAN:W7 Asst Flag:Transportation	Categ
8	H8AFTRAN	H8AFTRAN:W8 Asst Flag:Transportation	Categ
9	H9AFTRAN	H9AFTRAN:W9 Asst Flag:Transportation	Categ
10	H10AFTRAN	H10AFTRAN:W10 Asst Flag:Transportation	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATRAN	12652	14324.09	46232.92	0.0	3000000.0
H2ATRAN	19642	11570.22	34714.75	0.0	2000000.0
H3ATRAN	17991	11207.31	16207.78	0.0	300000.0
H4ATRAN	21384	12867.54	32285.25	0.0	3500000.0
H5ATRAN	19579	13311.49	34086.20	0.0	3500000.0
H6ATRAN	18165	14207.07	39791.30	0.0	4445000.0
H7ATRAN	20129	14630.08	33705.04	0.0	3500000.0
H8ATRAN	18469	15567.72	64170.52	0.0	8100000.0
H9ATRAN	17217	15157.39	25736.28	0.0	775000.0
H10ATRAN	15372	14361.68	29282.03	0.0	1000000.0
H1AFTRAN	12652	2.13	4.04	1.0	75.0
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	2.09	1.94	1.0	9.0
H8AFTRAN	18469	2.05	1.90	1.0	9.0
H9AFTRAN	17217	2.09	1.94	1.0	9.0
H10AFTRAN	15372	2.20	2.05	1.0	9.0

Categorical Variable Codes

Value-----	H1AFTRAN	H2AFTRAN	H3AFTRAN	H4AFTRAN	H5AFTRAN	H6AFTRAN	H7AFTRAN	H8AFTRAN	H9AFTRAN	H10AFTRAN
1.continuous value	9754	13984	11635	14106	13124	12034	13654	12679	11767	10468
2.complete bracket	938	2105	1274	2975	2532	2323	2412	2244	1987	1424

3.incomplete bracket	40	55	520	91	85	105	116	109	126	144
4.range card bracket	299									
5.no value/bracket			1366	439	480	604	666	498	452	417
6.no asset	1156	3032	3014	3485	3167	2993	3134	2834	2767	2746
7.DK ownership	210	289	56	117	67	61	58	40	43	54
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119
14.cont/rngcrd	2									
15.cont/no bkt	17									
17.cont/dk own	9									
21.cmpbkt/cont	68									
25.cmpbkt/no bkt	11									
27.cmpbkt/dk own	1									
37.incbkt/dk own	1									
41.rngcrd/cont	36									
71.dk own/cont	9									
75.dk own/no bkt	6									

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 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 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

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
 HRS 2004:
 JQ370 TRANSPORTATION
 JQ371 TRANSPORTATION TOTAL VALUE
 JQ372 TRANSPORTATION TOTAL VALUE - MIN
 JQ373 TRANSPORTATION TOTAL VALUE - MAX
 JQ374 TRANSPORTATION TOTAL VALUE - RESULT
 HRS 2006:
 KQ370 TRANSPORTATION
 KQ371 TRANSPORTATION TOTAL VALUE
 KQ372 TRANSPORTATION TOTAL VALUE - MIN
 KQ373 TRANSPORTATION TOTAL VALUE - MAX
 KQ374 TRANSPORTATION TOTAL VALUE - RESULT
 HRS 2008:
 LQ370 TRANSPORTATION
 LQ371 TRANSPORTATION TOTAL VALUE
 LQ372 TRANSPORTATION TOTAL VALUE - MIN
 LQ373 TRANSPORTATION TOTAL VALUE - MAX
 LQ374 TRANSPORTATION TOTAL VALUE - RESULT
 HRS 2010:
 MQ370 TRANSPORTATION
 MQ371 TRANSPORTATION TOTAL VALUE
 MQ372 TRANSPORTATION TOTAL VALUE - MIN
 MQ373 TRANSPORTATION TOTAL VALUE - MAX
 MQ374 TRANSPORTATION TOTAL VALUE - RESULT

Net value of businesses

Wave	Variable	Label	Type
1	H1ABSNS	H1ABSNS:W1 Assets:Business	Cont
2	H2ABSNS	H2ABSNS:W2 Assets:Business	Cont
3	H3ABSNS	H3ABSNS:W3 Assets:Business	Cont
4	H4ABSNS	H4ABSNS:W4 Assets:Business	Cont
5	H5ABSNS	H5ABSNS:W5 Assets:Business	Cont
6	H6ABSNS	H6ABSNS:W6 Assets:Business	Cont
7	H7ABSNS	H7ABSNS:W7 Assets:Business	Cont
8	H8ABSNS	H8ABSNS:W8 Assets:Business	Cont
9	H9ABSNS	H9ABSNS:W9 Assets:Business	Cont
10	H10ABSNS	H10ABSNS:W10 Assets:Business	Cont
1	H1AFBSNS	H1AFBSNS:W1 Asst Flag:Business	Categ
2	H2AFBSNS	H2AFBSNS:W2 Asst Flag:Business	Categ
3	H3AFBSNS	H3AFBSNS:W3 Asst Flag:Business	Categ
4	H4AFBSNS	H4AFBSNS:W4 Asst Flag:Business	Categ
5	H5AFBSNS	H5AFBSNS:W5 Asst Flag:Business	Categ
6	H6AFBSNS	H6AFBSNS:W6 Asst Flag:Business	Categ
7	H7AFBSNS	H7AFBSNS:W7 Asst Flag:Business	Categ
8	H8AFBSNS	H8AFBSNS:W8 Asst Flag:Business	Categ
9	H9AFBSNS	H9AFBSNS:W9 Asst Flag:Business	Categ
10	H10AFBSNS	H10AFBSNS:W10 Asst Flag:Business	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABSNS	12652	33382.34	220802.97	-50000.0	7026269.7
H2ABSNS	19642	20408.69	140513.06	-8000.0	4500000.0
H3ABSNS	17991	26213.78	246018.70	0.0	15000000.0
H4ABSNS	21384	30497.51	604576.74	0.0	60000000.0
H5ABSNS	19579	31124.64	271448.36	0.0	12000000.0
H6ABSNS	18165	32290.56	260889.15	0.0	14000000.0
H7ABSNS	20129	40348.00	393159.73	0.0	20000000.0
H8ABSNS	18469	69029.84	1187100.67	0.0	84000000.0
H9ABSNS	17217	46610.70	453900.59	0.0	25000000.0
H10ABSNS	15372	41832.97	387940.30	0.0	20000000.0
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	1.36	1.0	9.0
H6AFBSNS	18165	5.58	1.36	1.0	9.0
H7AFBSNS	20129	5.57	1.40	1.0	9.0
H8AFBSNS	18469	5.59	1.37	1.0	9.0
H9AFBSNS	17217	5.61	1.35	1.0	9.0
H10AFBSNS	15372	5.60	1.39	1.0	9.0

Categorical Variable Codes

Value-----	H1AFBSNS	H2AFBSNS	H3AFBSNS	H4AFBSNS	H5AFBSNS	H6AFBSNS	H7AFBSNS	H8AFBSNS	H9AFBSNS	H10AFBSNS
1.continuous value	1514	1550	1349	1364	1219	1182	1378	1251	1105	1043
2.complete bracket	453	617	367	505	418	399	438	319	316	285

3.incomplete bracket	22	19	110	39	54	20	48	39	38	41
4.range card bracket	106									
5.no value/bracket	127	104	152	216	220	230	250	260	193	133
6.no asset	10291	17091	15825	18946	17442	16218	17846	16482	15412	13661
7.DK ownership	44	84	62	143	102	71	80	53	78	90
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 brackets questions vary. Two questions reveal whether the respondent owns any businesses and if so, the value of it.

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 either primary residence (which could be a farm or ranch), secondary residence, or other real estate earlier in the interview (LQ492 = yes), and of these, most say that all of the business asset was previously reported (LQ523 = 100%).

These two variables are included in the 2008 Core 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 2008 Core Income and Wealth Imputations file can be downloaded from the HRS web site. It is also included with the RAND-enhanced Fat Files.

In all waves, 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

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:
 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

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
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
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
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

Net value of IRA, Keogh accounts

Wave	Variable	Label	Type
1	H1AIRA	H1AIRA:W1 Assets:IRA [total]	Cont
2	H2AIRA	H2AIRA:W2 Assets:IRA [total]	Cont
3	H3AIRA	H3AIRA:W3 Assets:IRA [total]	Cont
4	H4AIRA	H4AIRA:W4 Assets:IRA [total]	Cont
5	H5AIRA	H5AIRA:W5 Assets:IRA [total]	Cont
6	H6AIRA	H6AIRA:W6 Assets:IRA [total]	Cont
7	H7AIRA	H7AIRA:W7 Assets:IRA [total]	Cont
8	H8AIRA	H8AIRA:W8 Assets:IRA [total]	Cont
9	H9AIRA	H9AIRA:W9 Assets:IRA [total]	Cont
10	H10AIRA	H10AIRA:W10 Assets:IRA [total]	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AIRA	12652	18227.68	55547.13	0.0	1200000.0
H2AIRA	19642	19413.07	68643.80	0.0	2000000.0
H3AIRA	17991	28061.61	106163.94	0.0	2855030.6
H4AIRA	21384	38269.14	120139.23	0.0	2529000.0
H5AIRA	19579	51896.73	196966.21	0.0	12080000.0
H6AIRA	18165	46654.66	140295.40	0.0	3600000.0
H7AIRA	20129	52598.39	341422.90	0.0	35027000.0
H8AIRA	18469	70906.14	613190.31	0.0	43000000.0
H9AIRA	17217	67880.60	330670.67	0.0	22000000.0
H10AIRA	15372	67542.40	193727.85	0.0	3800000.0
H1AFIRA	12652	4.26	2.33	1.0	9.0
H2AFIRA	19642	4.56	2.26	1.0	9.0
H3AFIRA	17991	16.37	66.32	1.0	577.0
H4AFIRA	21384	16.59	67.42	1.0	577.0
H5AFIRA	19579	19.76	77.05	1.0	577.0
H6AFIRA	18165	22.14	88.49	1.0	577.0
H7AFIRA	20129	20.08	82.54	1.0	577.0
H8AFIRA	18469	22.26	88.76	1.0	577.0
H9AFIRA	17217	20.80	85.45	1.0	577.0
H10AFIRA	15372	22.32	89.78	1.0	577.0

Categorical Variable Codes

Value-----	H1AFIRA	H2AFIRA	H3AFIRA	H4AFIRA	H5AFIRA	H6AFIRA	H7AFIRA	H8AFIRA	H9AFIRA	H10AFIRA
1.continuous value	3685	4860	4365	5341	5103	4538	5207	4883	4521	4122
2.complete bracket	737	1055	543	850	607	533	703	528	496	425

3.incomplete bracket	92	92	105	40	75	59	70	46	71	88
4.range card bracket	262									
5.no value/bracket	234	270	302	490	558	600	659	524	497	387
6.no asset	7478	12977	11605	13196	11790	11121	12134	11147	10425	9124
7.DK ownership	69	211	222	382	332	362	361	347	347	369
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119
112.cont/cont/cmpbkt			39	74	49	50	45	37	36	13
113.cont/cont/incbkt			8		3	7		4		4
115.cont/cont/no bkt			9	32	22	30	17	22	15	15
121.cont/cmpbkt/cont			20	25	28	19	26	18	20	15
122.cont/cmpbkt/cmpbkt			7	44	18	20	19	26	18	6
123.cont/cmpbkt/incbkt			2		2	4	4		2	2
125.cont/cmpbkt/no bkt				4	4	4	6	6	3	4
126.cont/cmpbkt/no ast			50	73	82	52	58	56	41	46
131.cont/incbkt/cont			19	1	2		4	2		
132.cont/incbkt/cmpbkt			2		2		2			
133.cont/incbkt/incbkt				1	1		1		4	2
135.cont/incbkt/no bkt					7			1	1	
136.cont/incbkt/no ast			19	2	5	9	4	13	4	6
151.cont/no bkt/cont					3	4	3	3	5	2
152.cont/no bkt/cmpbkt				2	2		1			
155.cont/no bkt/no bkt			2	15	12	25	9	9	18	12
156.cont/no bkt/no ast			5	14	27	20	19	35	11	16
177.cont/dk own/dk own			12	28	16					
211.cmpbkt/cont/cont			41	47	51	28	49	64	50	25
212.cmpbkt/cont/cmpbkt			15	16	15	2	4	11	13	7
213.cmpbkt/cont/incbkt								1		2
215.cmpbkt/cont/no bkt				4	4	2	2			4
216.cmpbkt/cont/no ast			92	122	111	96	105	88	95	98
221.cmpbkt/cmpbkt/cont			15	21	41	24	21	33	19	23
223.cmpbkt/cmpbkt/incbkt			2	7	1	1	3			2
225.cmpbkt/cmpbkt/no bkt			3	11	3	6	11	2	8	4
231.cmpbkt/incbkt/cont			4						2	
232.cmpbkt/incbkt/cmpbkt			5					1		
233.cmpbkt/incbkt/incbkt			4		1	2		2		1
235.cmpbkt/incbkt/no bkt			1	2	2	4	1	1		2
236.cmpbkt/incbkt/no ast			26	5	7	12	5	3	6	2
251.cmpbkt/no bkt/cont									2	
252.cmpbkt/no bkt/cmpbkt				6		2	2	1		2
253.cmpbkt/no bkt/incbkt				1	2	2			3	
255.cmpbkt/no bkt/no bkt			5	10	17	15	16	8	8	9
256.cmpbkt/no bkt/no ast			9	10	20	15	25	19	9	15
277.cmpbkt/dk own/dk own			33	53	81					
311.incibkt/cont/cont			6		4	2	6	2	2	2
312.incibkt/cont/cmpbkt			2		4					
315.incibkt/cont/no bkt				1		2				
316.incibkt/cont/no ast			15	8	8	3	10	6	4	10
321.incibkt/cmpbkt/cont						2	4			
322.incibkt/cmpbkt/cmpbkt			3	4	4	4	4	5		1
323.incibkt/cmpbkt/incbkt								2		
325.incibkt/cmpbkt/no bkt					2			4	2	
326.incibkt/cmpbkt/no ast			21	3	10	14	17	4	10	5
331.incibkt/incbkt/cont			2		4	2				4
332.incibkt/incbkt/cmpbkt			11			2		2	2	4
335.incibkt/incbkt/no bkt				2	1	1	2		3	2
352.incibkt/no bkt/cmpbkt			6			1		2		2
353.incibkt/no bkt/incbkt			1		4	2		2		
355.incibkt/no bkt/no bkt			6	14	5	9	13	11	7	10
356.incibkt/no bkt/no ast			3	7	3	11	13	15	5	12
377.incibkt/dk own/dk own			24	16	17					
511.no bkt/cont/cont						4	3	2	1	
515.no bkt/cont/no bkt			2	1		3	2	4	1	2
516.no bkt/cont/no ast			15	13	21	9	20	21	20	19
521.no bkt/cmpbkt/cont				2						
522.no bkt/cmpbkt/cmpbkt				2	2	5	8			
523.no bkt/cmpbkt/incbkt						2				1
525.no bkt/cmpbkt/no bkt			2	1					1	
526.no bkt/cmpbkt/no ast			13	16	19	7	14	23	13	10
532.no bkt/incbkt/cmpbkt					2					
533.no bkt/incbkt/incbkt			2						2	
535.no bkt/incbkt/no bkt			4	2	2	1				
536.no bkt/incbkt/no ast			6	8	1	4	4	5	4	4
551.no bkt/no bkt/cont			2		11	4		2	6	1
552.no bkt/no bkt/cmpbkt			4		4	4	2	6	2	4
553.no bkt/no bkt/incbkt							2			2
577.no bkt/dk own/dk own			124	184	221	354	319	346	305	304

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

How Constructed:

The reported or imputed net value of IRA/Keogh is assigned to HwAIRA. The HwAFIRA 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 where questions ask about multiple IRA accounts, HwAIRA represents the sum of the values of all of them.

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.

In all waves, 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

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
 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
 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
 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
 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

HRS 2010:

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

Net value of stocks, mutual funds, and investment trusts

Wave	Variable	Label	Type
1	H1ASTCK	H1ASTCK:W1 Assets:Stocks	Cont
2	H2ASTCK	H2ASTCK:W2 Assets:Stocks	Cont
3	H3ASTCK	H3ASTCK:W3 Assets:Stocks	Cont
4	H4ASTCK	H4ASTCK:W4 Assets:Stocks	Cont
5	H5ASTCK	H5ASTCK:W5 Assets:Stocks	Cont
6	H6ASTCK	H6ASTCK:W6 Assets:Stocks	Cont
7	H7ASTCK	H7ASTCK:W7 Assets:Stocks	Cont
8	H8ASTCK	H8ASTCK:W8 Assets:Stocks	Cont
9	H9ASTCK	H9ASTCK:W9 Assets:Stocks	Cont
10	H10ASTCK	H10ASTCK:W10 Assets:Stocks	Cont
1	H1AFSTCK	H1AFSTCK:W1 Asst Flag:Stocks	Categ
2	H2AFSTCK	H2AFSTCK:W2 Asst Flag:Stocks	Categ
3	H3AFSTCK	H3AFSTCK:W3 Asst Flag:Stocks	Categ
4	H4AFSTCK	H4AFSTCK:W4 Asst Flag:Stocks	Categ
5	H5AFSTCK	H5AFSTCK:W5 Asst Flag:Stocks	Categ
6	H6AFSTCK	H6AFSTCK:W6 Asst Flag:Stocks	Categ
7	H7AFSTCK	H7AFSTCK:W7 Asst Flag:Stocks	Categ
8	H8AFSTCK	H8AFSTCK:W8 Asst Flag:Stocks	Categ
9	H9AFSTCK	H9AFSTCK:W9 Asst Flag:Stocks	Categ
10	H10AFSTCK	H10AFSTCK:W10 Asst Flag:Stocks	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ASTCK	12652	19000.08	91280.56	0.0	3372514.2
H2ASTCK	19642	23803.40	119636.89	-9500.0	5000000.0
H3ASTCK	17991	45436.12	407484.96	0.0	40000000.0
H4ASTCK	21384	50228.71	328043.86	0.0	30000000.0
H5ASTCK	19579	62288.87	363504.92	0.0	30000000.0
H6ASTCK	18165	51923.06	224629.08	0.0	12000000.0
H7ASTCK	20129	78643.90	1039222.43	0.0	75000000.0
H8ASTCK	18469	81629.13	980704.90	0.0	80000000.0
H9ASTCK	17217	68601.70	385424.98	0.0	16000000.0
H10ASTCK	15372	63165.56	316467.53	0.0	13019006.4
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	2.17	1.0	9.0
H6AFSTCK	18165	4.72	2.13	1.0	9.0
H7AFSTCK	20129	4.74	2.12	1.0	9.0
H8AFSTCK	18469	4.87	2.06	1.0	9.0
H9AFSTCK	17217	4.94	2.02	1.0	9.0
H10AFSTCK	15372	4.97	2.03	1.0	9.0

Categorical Variable Codes

Value-----	H1AFSTCK	H2AFSTCK	H3AFSTCK	H4AFSTCK	H5AFSTCK	H6AFSTCK	H7AFSTCK	H8AFSTCK	H9AFSTCK	H10AFSTCK
1.continuous value	2438	3453	3604	4208	4099	3663	4065	3461	2998	2707
2.complete bracket	676	1371	1074	1554	1285	1119	1134	806	751	598

3.incomplete bracket	68	116	512	184	173	106	102	91	85	87
4.range card bracket	196									
5.no value/bracket	207	324	390	713	804	795	782	590	505	369
6.no asset	8874	13919	12043	14129	12724	11988	13582	13108	12475	11132
7.DK ownership	98	282	242	425	370	449	375	348	328	360
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 brackets 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 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

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

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

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

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

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

Value of checking, savings, or money market accounts

Wave	Variable	Label	Type
1	H1ACHCK	H1ACHCK:W1 Assets:Checking,Savings Acct	Cont
2	H2ACHCK	H2ACHCK:W2 Assets:Checking,Savings Acct	Cont
3	H3ACHCK	H3ACHCK:W3 Assets:Checking,Savings Acct	Cont
4	H4ACHCK	H4ACHCK:W4 Assets:Checking,Savings Acct	Cont
5	H5ACHCK	H5ACHCK:W5 Assets:Checking,Savings Acct	Cont
6	H6ACHCK	H6ACHCK:W6 Assets:Checking,Savings Acct	Cont
7	H7ACHCK	H7ACHCK:W7 Assets:Checking,Savings Acct	Cont
8	H8ACHCK	H8ACHCK:W8 Assets:Checking,Savings Acct	Cont
9	H9ACHCK	H9ACHCK:W9 Assets:Checking,Savings Acct	Cont
10	H10ACHCK	H10ACHCK:W10 Assets:Checking,Savings Acct	Cont
1	H1AFCHCK	H1AFCHCK:W1 Asst Flag:Checking,Savings	Categ
2	H2AFCHCK	H2AFCHCK:W2 Asst Flag:Checking,Savings	Categ
3	H3AFCHCK	H3AFCHCK:W3 Asst Flag:Checking,Savings	Categ
4	H4AFCHCK	H4AFCHCK:W4 Asst Flag:Checking,Savings	Categ
5	H5AFCHCK	H5AFCHCK:W5 Asst Flag:Checking,Savings	Categ
6	H6AFCHCK	H6AFCHCK:W6 Asst Flag:Checking,Savings	Categ
7	H7AFCHCK	H7AFCHCK:W7 Asst Flag:Checking,Savings	Categ
8	H8AFCHCK	H8AFCHCK:W8 Asst Flag:Checking,Savings	Categ
9	H9AFCHCK	H9AFCHCK:W9 Asst Flag:Checking,Savings	Categ
10	H10AFCHCK	H10AFCHCK:W10 Asst Flag:Checking,Savings	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACHCK	12652	13949.57	44175.85	0.0	2500000.0
H2ACHCK	19642	16234.00	40057.79	0.0	900000.0
H3ACHCK	17991	21041.80	74197.30	0.0	2500000.0
H4ACHCK	21384	21843.45	246454.01	0.0	25000000.0
H5ACHCK	19579	21469.45	60932.45	0.0	3500000.0
H6ACHCK	18165	26966.08	256619.19	0.0	33300000.0
H7ACHCK	20129	25832.89	72997.77	0.0	3000000.0
H8ACHCK	18469	27423.12	129508.23	0.0	10000000.0
H9ACHCK	17217	28453.21	82127.37	0.0	2000000.0
H10ACHCK	15372	30385.20	83162.69	0.0	2300000.0
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	2.34	2.05	1.0	9.0
H8AFCHCK	18469	2.31	2.04	1.0	9.0
H9AFCHCK	17217	2.31	2.05	1.0	9.0
H10AFCHCK	15372	2.42	2.17	1.0	9.0

Categorical Variable Codes

Value-----	H1AFCHCK	H2AFCHCK	H3AFCHCK	H4AFCHCK	H5AFCHCK	H6AFCHCK	H7AFCHCK	H8AFCHCK	H9AFCHCK	H10AFCHCK
1.continuous value	7383	11514	10787	12635	11963	11191	12588	11754	11059	9870
2.complete bracket	1483	2638	2174	2969	2211	1906	2220	1865	1674	1160

3.incomplete bracket	173	219	853	271	238	199	193	192	182	215
4.range card bracket	532									
5.no value/bracket	515	833	945	1499	1733	1904	1908	1798	1540	1021
6.no asset	2357	3955	2855	3432	2958	2534	2831	2518	2438	2724
7.DK ownership	114	306	251	407	352	386	300	277	249	263
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 brackets 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 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

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

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

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

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

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

Value of CD, government savings bonds, and T-bills

Wave	Variable	Label	Type
1	H1ACD	H1ACD:W1 Assets:CDs,SvBonds,T-bills	Cont
2	H2ACD	H2ACD:W2 Assets:CDs,SvBonds,T-bills	Cont
3	H3ACD	H3ACD:W3 Assets:CDs,SvBonds,T-bills	Cont
4	H4ACD	H4ACD:W4 Assets:CDs,SvBonds,T-bills	Cont
5	H5ACD	H5ACD:W5 Assets:CDs,SvBonds,T-bills	Cont
6	H6ACD	H6ACD:W6 Assets:CDs,SvBonds,T-bills	Cont
7	H7ACD	H7ACD:W7 Assets:CDs,SvBonds,T-bills	Cont
8	H8ACD	H8ACD:W8 Assets:CDs,SvBonds,T-bills	Cont
9	H9ACD	H9ACD:W9 Assets:CDs,SvBonds,T-bills	Cont
10	H10ACD	H10ACD:W10 Assets:CDs,SvBonds,T-bills	Cont
1	H1AFCD	H1AFCD:W1 Asst Flag:CDs,SvBonds,T-bills	Categ
2	H2AFCD	H2AFCD:W2 Asst Flag:CDs,SvBonds,T-bills	Categ
3	H3AFCD	H3AFCD:W3 Asst Flag:CDs,SvBonds,T-bills	Categ
4	H4AFCD	H4AFCD:W4 Asst Flag:CDs,SvBonds,T-bills	Categ
5	H5AFCD	H5AFCD:W5 Asst Flag:CDs,SvBonds,T-bills	Categ
6	H6AFCD	H6AFCD:W6 Asst Flag:CDs,SvBonds,T-bills	Categ
7	H7AFCD	H7AFCD:W7 Asst Flag:CDs,SvBonds,T-bills	Categ
8	H8AFCD	H8AFCD:W8 Asst Flag:CDs,SvBonds,T-bills	Categ
9	H9AFCD	H9AFCD:W9 Asst Flag:CDs,SvBonds,T-bills	Categ
10	H10AFCD	H10AFCD:W10 Asst Flag:CDs,SvBonds,T-bills	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACD	12652	6746.27	35497.70	0.0	1055798.5
H2ACD	19642	8208.70	38441.60	0.0	1000000.0
H3ACD	17991	11802.87	62375.74	0.0	3000000.0
H4ACD	21384	11342.42	54768.06	0.0	4000000.0
H5ACD	19579	13958.52	65460.70	0.0	2750000.0
H6ACD	18165	12368.95	52537.52	0.0	1500000.0
H7ACD	20129	10128.41	50366.01	0.0	2000000.0
H8ACD	18469	15858.83	60872.04	0.0	1200000.0
H9ACD	17217	18848.36	74577.74	0.0	2500000.0
H10ACD	15372	14162.52	63982.20	0.0	2200000.0
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	5.04	1.96	1.0	9.0
H7AFCD	20129	5.23	1.81	1.0	9.0
H8AFCD	18469	5.03	1.97	1.0	9.0
H9AFCD	17217	5.01	1.99	1.0	9.0
H10AFCD	15372	5.20	1.88	1.0	9.0

Categorical Variable Codes

Value-----	H1AFCD	H2AFCD	H3AFCD	H4AFCD	H5AFCD	H6AFCD	H7AFCD	H8AFCD	H9AFCD	H10AFCD
1.continuous value	2343	3060	3165	3536	3410	3048	2674	3189	3044	2252
2.complete bracket	470	818	554	842	761	507	534	451	410	313

3.incomplete bracket	59	80	314	77	67	42	40	75	68	71
4.range card bracket	213									
5.no value/bracket	204	368	446	699	772	728	691	698	640	332
6.no asset	9149	14760	13017	15495	13942	13220	15607	13515	12514	11824
7.DK ownership	119	379	369	564	503	575	494	476	466	461
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 brackets 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 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

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

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

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

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

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

Net value of bonds and bond funds
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Wave	Variable	Label	Type
1	H1ABOND	H1ABOND:W1 Assets:Bonds	Cont
2	H2ABOND	H2ABOND:W2 Assets:Bonds	Cont
3	H3ABOND	H3ABOND:W3 Assets:Bonds	Cont
4	H4ABOND	H4ABOND:W4 Assets:Bonds	Cont
5	H5ABOND	H5ABOND:W5 Assets:Bonds	Cont
6	H6ABOND	H6ABOND:W6 Assets:Bonds	Cont
7	H7ABOND	H7ABOND:W7 Assets:Bonds	Cont
8	H8ABOND	H8ABOND:W8 Assets:Bonds	Cont
9	H9ABOND	H9ABOND:W9 Assets:Bonds	Cont
10	H10ABOND	H10ABOND:W10 Assets:Bonds	Cont
1	H1AFBOND	H1AFBOND:W1 Asst Flag:Bonds	Categ
2	H2AFBOND	H2AFBOND:W2 Asst Flag:Bonds	Categ
3	H3AFBOND	H3AFBOND:W3 Asst Flag:Bonds	Categ
4	H4AFBOND	H4AFBOND:W4 Asst Flag:Bonds	Categ
5	H5AFBOND	H5AFBOND:W5 Asst Flag:Bonds	Categ
6	H6AFBOND	H6AFBOND:W6 Asst Flag:Bonds	Categ
7	H7AFBOND	H7AFBOND:W7 Asst Flag:Bonds	Categ
8	H8AFBOND	H8AFBOND:W8 Asst Flag:Bonds	Categ
9	H9AFBOND	H9AFBOND:W9 Asst Flag:Bonds	Categ
10	H10AFBOND	H10AFBOND:W10 Asst Flag:Bonds	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABOND	12652	2713.81	29307.76	0.0	1500000.0
H2ABOND	19642	4692.92	63269.03	0.0	4500000.0
H3ABOND	17991	7554.23	75396.23	0.0	4500000.0
H4ABOND	21384	7466.12	75102.50	0.0	4000000.0
H5ABOND	19579	7709.12	61058.99	0.0	3000000.0
H6ABOND	18165	9146.89	78924.43	0.0	3500000.0
H7ABOND	20129	9948.09	147229.60	0.0	17000000.0
H8ABOND	18469	11265.96	270994.26	0.0	25000000.0
H9ABOND	17217	10024.27	99666.16	0.0	5000000.0
H10ABOND	15372	9036.33	72874.19	0.0	2500000.0
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	5.72	1.19	1.0	9.0
H7AFBOND	20129	5.75	1.14	1.0	9.0
H8AFBOND	18469	5.79	1.05	1.0	9.0
H9AFBOND	17217	5.77	1.10	1.0	9.0
H10AFBOND	15372	5.78	1.13	1.0	9.0

Categorical Variable Codes

Value-----	H1AFBOND	H2AFBOND	H3AFBOND	H4AFBOND	H5AFBOND	H6AFBOND	H7AFBOND	H8AFBOND	H9AFBOND	H10AFBOND
1.continuous value	560	774	977	1016	880	888	865	695	711	657
2.complete bracket	94	222	247	335	271	230	261	165	162	138

3.incomplete bracket	8	37	120	36	33	28	23	15	24	30
4.range card bracket	49									
5.no value/bracket	76	102	158	225	286	242	256	226	185	151
6.no asset	11661	18010	16121	19151	17562	16305	18221	16961	15739	13924
7.DK ownership	109	320	242	450	423	427	414	342	321	353
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 brackets 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 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

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

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

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

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

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

Net value of all other savings

Wave	Variable	Label	Type
1	H1AOTHR	H1AOTHR:W1 Assets:Other svngs, assets	Cont
2	H2AOTHR	H2AOTHR:W2 Assets:Other svngs, assets	Cont
3	H3AOTHR	H3AOTHR:W3 Assets:Other svngs, assets	Cont
4	H4AOTHR	H4AOTHR:W4 Assets:Other svngs, assets	Cont
5	H5AOTHR	H5AOTHR:W5 Assets:Other svngs, assets	Cont
6	H6AOTHR	H6AOTHR:W6 Assets:Other svngs, assets	Cont
7	H7AOTHR	H7AOTHR:W7 Assets:Other svngs, assets	Cont
8	H8AOTHR	H8AOTHR:W8 Assets:Other svngs, assets	Cont
9	H9AOTHR	H9AOTHR:W9 Assets:Other svngs, assets	Cont
10	H10AOTHR	H10AOTHR:W10 Assets:Other svngs, assets	Cont
1	H1AFOTHR	H1AFOTHR:W1 Asst Flag:Other svngs,assets	Categ
2	H2AFOTHR	H2AFOTHR:W2 Asst Flag:Other svngs,assets	Categ
3	H3AFOTHR	H3AFOTHR:W3 Asst Flag:Other svngs,assets	Categ
4	H4AFOTHR	H4AFOTHR:W4 Asst Flag:Other svngs,assets	Categ
5	H5AFOTHR	H5AFOTHR:W5 Asst Flag:Other svngs,assets	Categ
6	H6AFOTHR	H6AFOTHR:W6 Asst Flag:Other svngs,assets	Categ
7	H7AFOTHR	H7AFOTHR:W7 Asst Flag:Other svngs,assets	Categ
8	H8AFOTHR	H8AFOTHR:W8 Asst Flag:Other svngs,assets	Categ
9	H9AFOTHR	H9AFOTHR:W9 Asst Flag:Other svngs,assets	Categ
10	H10AFOTHR	H10AFOTHR:W10 Asst Flag:Other svngs,assets	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AOTHR	12652	8264.25	57607.36	0.0	3000000.0
H2AOTHR	19642	6478.56	32607.47	0.0	1000000.0
H3AOTHR	17991	7279.55	48177.91	0.0	2000000.0
H4AOTHR	21384	8543.07	86113.54	0.0	6000000.0
H5AOTHR	19579	8992.31	66487.54	0.0	3155000.0
H6AOTHR	18165	8980.72	63882.65	0.0	3000000.0
H7AOTHR	20129	12551.42	102654.12	0.0	5000000.0
H8AOTHR	18469	15016.65	264627.55	0.0	20000000.0
H9AOTHR	17217	16371.95	262719.73	0.0	20000000.0
H10AOTHR	15372	13738.93	83116.10	0.0	2500000.0
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	5.44	1.60	1.0	9.0
H7AFOTHR	20129	5.30	1.75	1.0	9.0
H8AFOTHR	18469	5.32	1.72	1.0	9.0
H9AFOTHR	17217	5.33	1.72	1.0	9.0
H10AFOTHR	15372	5.29	1.79	1.0	9.0

Categorical Variable Codes

Value-----	H1AFOTHR	H2AFOTHR	H3AFOTHR	H4AFOTHR	H5AFOTHR	H6AFOTHR	H7AFOTHR	H8AFOTHR	H9AFOTHR	H10AFOTHR
1.continuous value	1427	2707	2124	2234	2092	1843	2481	2237	2045	1965
2.complete bracket	303	585	400	509	475	314	492	366	375	367

3.incomplete bracket	22	35	15	27	24	22	25	24	30	50
4.range card bracket	110									
5.no value/bracket	126	156	141	183	213	184	312	232	210	159
6.no asset	10453	15686	14969	17857	16360	15412	16396	15287	14223	12396
7.DK ownership	116	296	216	403	291	345	334	258	259	316
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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.

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 brackets 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 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

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 \$
 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
 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
 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
 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

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

Value of other debt

Wave	Variable	Label	Type
1	H1ADEBT	H1ADEBT:W1 Assets:Debts [not yet asked]	Cont
2	H2ADEBT	H2ADEBT:W2 Assets:Debts [not yet asked]	Cont
3	H3ADEBT	H3ADEBT:W3 Assets:Debts [not yet asked]	Cont
4	H4ADEBT	H4ADEBT:W4 Assets:Debts [not yet asked]	Cont
5	H5ADEBT	H5ADEBT:W5 Assets:Debts [not yet asked]	Cont
6	H6ADEBT	H6ADEBT:W6 Assets:Debts [not yet asked]	Cont
7	H7ADEBT	H7ADEBT:W7 Assets:Debts [not yet asked]	Cont
8	H8ADEBT	H8ADEBT:W8 Assets:Debts [not yet asked]	Cont
9	H9ADEBT	H9ADEBT:W9 Assets:Debts [not yet asked]	Cont
10	H10ADEBT	H10ADEBT:W10 Assets:Debts [not yet asked]	Cont
1	H1AFDEBT	H1AFDEBT:W1 Asst Flag:Debts	Categ
2	H2AFDEBT	H2AFDEBT:W2 Asst Flag:Debts	Categ
3	H3AFDEBT	H3AFDEBT:W3 Asst Flag:Debts	Categ
4	H4AFDEBT	H4AFDEBT:W4 Asst Flag:Debts	Categ
5	H5AFDEBT	H5AFDEBT:W5 Asst Flag:Debts	Categ
6	H6AFDEBT	H6AFDEBT:W6 Asst Flag:Debts	Categ
7	H7AFDEBT	H7AFDEBT:W7 Asst Flag:Debts	Categ
8	H8AFDEBT	H8AFDEBT:W8 Asst Flag:Debts	Categ
9	H9AFDEBT	H9AFDEBT:W9 Asst Flag:Debts	Categ
10	H10AFDEBT	H10AFDEBT:W10 Asst Flag:Debts	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ADEBT	12652	3163.36	19098.55	0.0	900000.0
H2ADEBT	19642	2175.58	10937.68	0.0	500000.0
H3ADEBT	17991	2356.91	12710.94	0.0	500000.0
H4ADEBT	21384	3492.07	67413.62	0.0	6666733.0
H5ADEBT	19579	2617.15	14464.05	0.0	700000.0
H6ADEBT	18165	2737.59	16730.77	0.0	800000.0
H7ADEBT	20129	3676.55	31808.72	0.0	2400000.0
H8ADEBT	18469	3830.43	30428.84	0.0	2200000.0
H9ADEBT	17217	4163.03	30415.40	0.0	1900000.0
H10ADEBT	15372	4488.51	31634.66	0.0	2000000.0
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	4.90	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	15372	4.58	2.28	1.0	9.0

Categorical Variable Codes

Value-----	H1AFDEBT	H2AFDEBT	H3AFDEBT	H4AFDEBT	H5AFDEBT	H6AFDEBT	H7AFDEBT	H8AFDEBT	H9AFDEBT	H10AFDEBT
1.continuous value	4400	4726	4106	4627	4565	3694	4925	4634	4586	4173
2.complete bracket		544	539	671	479	429	596	483	364	309

3.incomplete bracket		14	11	28	39	28	28	25	41	35
4.range card bracket	189									
5.no value/bracket	292	93	122	163	168	217	220	205	198	147
6.no asset	7415	13859	12914	15443	13974	13464	14025	12844	11737	10377
7.DK ownership	261	229	173	281	230	288	246	213	216	212
9.no Fin Resp	95	177	126	171	124	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 value of other debt is asked at each wave. The question wording is the same at all waves but the unfolding brackets 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 doesn't 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 doesn't know the value.

HRS Variables Used

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
HRS 2004:
JQ477 R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
JQ478 R OR SP DEBTS AMOUNT
JQ479 DEBTS AMOUNT - MIN
JQ480 DEBTS AMOUNT - MAX
JQ481 DEBTS AMOUNT - RESULT
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
HRS 2008:
LQ477 R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
LQ478 R OR SP DEBTS AMOUNT
LQ479 DEBTS AMOUNT - MIN
LQ480 DEBTS AMOUNT - MAX
LQ481 DEBTS AMOUNT - RESULT
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

Value of primary residence

Wave	Variable	Label	Type
1	H1AHOUS	H1AHOUS:W1 Assets:Primary Residence	Cont
2	H2AHOUS	H2AHOUS:W2 Assets:Primary Residence	Cont
3	H3AHOUS	H3AHOUS:W3 Assets:Primary Residence	Cont
4	H4AHOUS	H4AHOUS:W4 Assets:Primary Residence	Cont
5	H5AHOUS	H5AHOUS:W5 Assets:Primary Residence	Cont
6	H6AHOUS	H6AHOUS:W6 Assets:Primary Residence	Cont
7	H7AHOUS	H7AHOUS:W7 Assets:Primary Residence	Cont
8	H8AHOUS	H8AHOUS:W8 Assets:Primary Residence	Cont
9	H9AHOUS	H9AHOUS:W9 Assets:Primary Residence	Cont
10	H10AHOUS	H10AHOUS:W10 Assets:Primary Residence	Cont
1	H1AFHOUS	H1AFHOUS:W1 Asst Flag:Primary Residence	Categ
2	H2AFHOUS	H2AFHOUS:W2 Asst Flag:Primary Residence	Categ
3	H3AFHOUS	H3AFHOUS:W3 Asst Flag:Primary Residence	Categ
4	H4AFHOUS	H4AFHOUS:W4 Asst Flag:Primary Residence	Categ
5	H5AFHOUS	H5AFHOUS:W5 Asst Flag:Primary Residence	Categ
6	H6AFHOUS	H6AFHOUS:W6 Asst Flag:Primary Residence	Categ
7	H7AFHOUS	H7AFHOUS:W7 Asst Flag:Primary Residence	Categ
8	H8AFHOUS	H8AFHOUS:W8 Asst Flag:Primary Residence	Categ
9	H9AFHOUS	H9AFHOUS:W9 Asst Flag:Primary Residence	Categ
10	H10AFHOUS	H10AFHOUS:W10 Asst Flag:Primary Residence	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUS	12652	86145.37	98840.28	0.0	1400000.0
H2AHOUS	19642	84165.44	122857.94	0.0	5000000.0
H3AHOUS	17991	88889.72	114467.28	0.0	5000000.0
H4AHOUS	21384	100020.59	249339.48	0.0	20000000.0
H5AHOUS	19579	112976.43	247751.32	0.0	14000000.0
H6AHOUS	18165	129415.31	181015.21	0.0	10000000.0
H7AHOUS	20129	164354.17	393771.95	0.0	25000000.0
H8AHOUS	18469	205847.42	774852.73	0.0	80000000.0
H9AHOUS	17217	205462.94	614294.47	0.0	35000000.0
H10AHOUS	15372	172524.76	268340.62	0.0	10000000.0
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	2.09	1.0	9.0
H7AFHOUS	20129	2.25	2.09	1.0	9.0
H8AFHOUS	18469	2.24	2.08	1.0	9.0
H9AFHOUS	17217	2.27	2.09	1.0	9.0
H10AFHOUS	15372	2.35	2.17	1.0	9.0

Categorical Variable Codes

Value-----	H1AFHOUS	H2AFHOUS	H3AFHOUS	H4AFHOUS	H5AFHOUS	H6AFHOUS	H7AFHOUS	H8AFHOUS	H9AFHOUS	H10AFHOUS
1.continuous value	9635	13301	12409	14726	13667	12565	13718	12647	11571	10094
2.complete bracket		1701	1495	1747	1406	1307	1633	1432	1487	1384

3.incomplete bracket		88	51	88	130	105	117	118	156	142
4.range card bracket	178									
5.no value/bracket	315	175	239	337	328	342	325	256	273	263
6.no asset	2419	4128	3671	4257	3859	3609	4190	3936	3605	3080
7.DK ownership	10	72	11	59	67	197	79	26	58	323
9.no Fin Resp	95	177	115	170	122	40	67	54	67	86

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 5-8, 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 most accurate. Therefore, HwAFHous will be set to "DK ownership" for these cases. [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 places that 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 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, but range card brackets may be coded if the respondent refuses or doesn't know the value.

In Waves 6 and 8, 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 Wave 6 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

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
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
 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
 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

JH020 HOME PRESENT VALUE
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
KH020 HOME PRESENT VALUE
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
LH020 HOME PRESENT VALUE
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
MH020 HOME PRESENT VALUE
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

Value of all mortgages/land contracts (primary residence)
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Wave	Variable	Label	Type
1	H1AMORT	H1AMORT:W1 Assets:Total Mortgage	Cont
2	H2AMORT	H2AMORT:W2 Assets:Total Mortgage	Cont
3	H3AMORT	H3AMORT:W3 Assets:Total Mortgage	Cont
4	H4AMORT	H4AMORT:W4 Assets:Total Mortgage	Cont
5	H5AMORT	H5AMORT:W5 Assets:Total Mortgage	Cont
6	H6AMORT	H6AMORT:W6 Assets:Total Mortgage	Cont
7	H7AMORT	H7AMORT:W7 Assets:Total Mortgage	Cont
8	H8AMORT	H8AMORT:W8 Assets:Total Mortgage	Cont
9	H9AMORT	H9AMORT:W9 Assets:Total Mortgage	Cont
10	H10AMORT	H10AMORT:W10 Assets:Total Mortgage	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMORT	12652	20432.25	42409.01	0.0	1070000.0
H2AMORT	19642	14508.24	71671.15	0.0	6000000.0
H3AMORT	17991	14150.40	37956.26	0.0	1000000.0
H4AMORT	21384	17632.36	43746.26	0.0	1000000.0
H5AMORT	19579	19201.20	47592.61	0.0	1200000.0
H6AMORT	18165	20952.58	53320.37	0.0	930000.0
H7AMORT	20129	29595.86	67242.42	0.0	1300000.0
H8AMORT	18469	33487.76	86402.10	0.0	3000000.0
H9AMORT	17217	34463.60	87375.05	0.0	3000000.0
H10AMORT	15372	32593.04	87460.70	0.0	2900000.0
H1AFMORT	12652	4.05	3.74	1.0	57.0
H2AFMORT	19642	4.67	2.32	1.0	57.0
H3AFMORT	17991	4.74	2.20	1.0	21.0
H4AFMORT	21384	4.65	2.27	1.0	21.0
H5AFMORT	19579	4.63	2.32	1.0	52.0
H6AFMORT	18165	4.74	2.20	1.0	21.0
H7AFMORT	20129	4.54	2.27	1.0	21.0
H8AFMORT	18469	4.58	2.27	1.0	25.0
H9AFMORT	17217	4.64	2.26	1.0	25.0
H10AFMORT	15372	4.78	2.20	1.0	21.0

Categorical Variable Codes

Value-----	H1AFMORT	H2AFMORT	H3AFMORT	H4AFMORT	H5AFMORT	H6AFMORT	H7AFMORT	H8AFMORT	H9AFMORT	H10AFMORT
1.continuous value	5340	5057	4239	5410	5004	4294	5470	4901	4398	3617
2.complete bracket		361	473	572	524	402	511	450	395	299

3.incomplete bracket		20	9	31	42	21	29	37	40	23
4.range card bracket	44									
5.no value/bracket	318	215	122	197	222	230	307	243	214	141
6.no asset	6725	13649	12893	14903	13544	12865	13553	12679	11955	10786
7.DK ownership	52	144	133	85	114	302	188	93	136	409
9.no Fin Resp	95	177	115	170	122	40	67	54	67	86
12.cont/cmpbkt		4	3	6	2	2	2	3	5	9
13.cont/incbkt								2		
15.cont/no bkt	25	10	2	2		4		2		
17.cont/dk own	19	3								
21.cmpbkt/cont			2	8	2	5	2	3	3	2
25.cmpbkt/no bkt								2	4	
51.no bkt/cont	4	1			1					
52.no bkt/cmpbkt					2					
57.no bkt/dk own	30	1								

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

How Constructed:

The reported or imputed value of all mortgages is assigned to HwAMORT. The HwAFMORT 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.

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 R 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 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, but range card brackets may be coded if the respondent refuses or doesn't know the value.

HRS Variables Used

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:

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
 F2768M1 F7.HOME MORTGAGE
 F2768M2 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
 G3086M1 F7.HOME MORTGAGE
 G3086M2 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
 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
 JH042 MONEY OWED ON 2ND PROPERTY LOAN
 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
 KH042 MONEY OWED ON 2ND PROPERTY LOAN
 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
 LH042 MONEY OWED ON 2ND PROPERTY LOAN
 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
MH042 MONEY OWED ON 2ND PROPERTY LOAN

Value of other home loans (primary residence)
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Wave	Variable	Label	Type
1	H1AHMLN	H1AHMLN:W1 Assets:Total Othr Home Loans	Cont
2	H2AHMLN	H2AHMLN:W2 Assets:Total Othr Home Loans	Cont
3	H3AHMLN	H3AHMLN:W3 Assets:Total Othr Home Loans	Cont
4	H4AHMLN	H4AHMLN:W4 Assets:Total Othr Home Loans	Cont
5	H5AHMLN	H5AHMLN:W5 Assets:Total Othr Home Loans	Cont
6	H6AHMLN	H6AHMLN:W6 Assets:Total Othr Home Loans	Cont
7	H7AHMLN	H7AHMLN:W7 Assets:Total Othr Home Loans	Cont
8	H8AHMLN	H8AHMLN:W8 Assets:Total Othr Home Loans	Cont
9	H9AHMLN	H9AHMLN:W9 Assets:Total Othr Home Loans	Cont
10	H10AHMLN	H10AHMLN:W10 Assets:Total Othr Home Loans	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHMLN	12652	3194.83	47103.16	0.0	3500000.0
H2AHMLN	19642	1282.34	8430.24	0.0	300000.0
H3AHMLN	17991	1540.60	8957.13	0.0	250000.0
H4AHMLN	21384	1727.34	10704.53	0.0	500000.0
H5AHMLN	19579	1742.93	10263.33	0.0	385000.0
H6AHMLN	18165	2116.11	11981.85	0.0	500000.0
H7AHMLN	20129	3448.94	18792.33	0.0	700000.0
H8AHMLN	18469	4234.82	35453.62	0.0	2500000.0
H9AHMLN	17217	3766.09	21405.75	0.0	1000000.0
H10AHMLN	15372	4215.66	32543.48	0.0	2000000.0
H1AFHMLN	12652	5.73	3.51	1.0	71.0
H2AFHMLN	19642	3.84	6.95	0.0	90.0
H3AFHMLN	17991	5.71	1.53	1.0	71.0
H4AFHMLN	21384	5.70	1.47	1.0	71.0
H5AFHMLN	19579	5.72	1.47	1.0	57.0
H6AFHMLN	18165	5.68	1.48	1.0	71.0
H7AFHMLN	20129	5.59	1.80	1.0	75.0
H8AFHMLN	18469	5.56	1.65	1.0	71.0
H9AFHMLN	17217	5.59	1.69	1.0	57.0
H10AFHMLN	15372	5.63	1.54	1.0	57.0

Categorical Variable Codes

Value-----	H1AFHMLN	H2AFHMLN	H3AFHMLN	H4AFHMLN	H5AFHMLN	H6AFHMLN	H7AFHMLN	H8AFHMLN	H9AFHMLN	H10AFHMLN
0.no hmln/no EqLOC asked		8010								
1.continuous value	1187	1037	1186	1460	1251	1240	1775	1676	1530	1307

2.complete bracket			12	21	8	53	80	61	39	40
3.incomplete bracket					1	14	10	16	16	12
4.range card bracket	11									
5.no value/bracket	61	82	66	94	102	49	72	54	46	31
6.no asset	10942	10073	16401	19375	17769	16293	17733	16305	15180	13261
7.DK ownership	323	102	206	255	316	473	381	296	329	628
9.no Fin Resp	95	124	115	170	122	40	67	54	67	86
10.cont/no EqLOC asked		68								
15.cont/no bkt				2			2			
17.cont/dk own				3	1			2	1	3
21.cmpbkt/cont				1	3	1	2		4	2
25.cmpbkt/no bkt					2					
27.cmpbkt/dk own			1	1			1	3	1	1
50.no bkt/no EqLOC asked		12								
51.no bkt/cont	6	2			2					
57.no bkt/dk own			3		2		3		4	1
70.dk own/no EqLOC asked		79								
71.dk own/cont	27		1	2		2	2	2		
75.dk own/no bkt							1			
90.no FinR/no EqLOC asked		53								

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

How Constructed:

HwAHMLN is the sum of home equity line of credit balance and other home loans, which are each imputed separately. The reported or imputed value of all other home loans other than the first or second mortgages and the balance on an equity line of credit is assigned to HwAHMLN. HwAFHMLN 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 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 doesn't know the value of home equity loans, a series of unfolding bracket questions are asked. The bracket ranges and entry points are the same across waves. In Wave 6, 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 doesn't know the value.

HRS Variables Used

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:

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
 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
 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
 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
 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
 HRS 2008:
 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
 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

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
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

Net value of primary residence

Wave	Variable	Label	Type
1	H1ATOTH	H1ATOTH:W1 Net Value of House /prim res	Cont
2	H2ATOTH	H2ATOTH:W2 Net Value of House /prim res	Cont
3	H3ATOTH	H3ATOTH:W3 Net Value of House /prim res	Cont
4	H4ATOTH	H4ATOTH:W4 Net Value of House /prim res	Cont
5	H5ATOTH	H5ATOTH:W5 Net Value of House /prim res	Cont
6	H6ATOTH	H6ATOTH:W6 Net Value of House /prim res	Cont
7	H7ATOTH	H7ATOTH:W7 Net Value of House /prim res	Cont
8	H8ATOTH	H8ATOTH:W8 Net Value of House /prim res	Cont
9	H9ATOTH	H9ATOTH:W9 Net Value of House /prim res	Cont
10	H10ATOTH	H10ATOTH:W10 Net Value of House /prim res	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTH	12652	62518.29	93040.09	-3350000.0	1335000.0
H2ATOTH	19642	68374.86	124731.75	-5040000.0	5000000.0
H3ATOTH	17991	73198.72	104733.50	-550000.0	5000000.0
H4ATOTH	21384	80660.89	242640.33	-740000.0	19900000.0
H5ATOTH	19579	92032.31	239045.96	-670000.0	13941000.0
H6ATOTH	18165	106346.63	167367.43	-500000.0	9940000.0
H7ATOTH	20129	131309.38	374850.04	-676728.5	24000000.0
H8ATOTH	18469	168124.84	758521.24	-2528000.0	79500000.0
H9ATOTH	17217	167233.24	592742.37	-550000.0	34500000.0
H10ATOTH	15372	135716.06	248165.65	-1900000.0	10000000.0

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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	Cont
2	H2AHOUB	H2AHOUB:W2 Assets:2nd Home	Cont
4	H4AHOUB	H4AHOUB:W4 Assets:2nd Home	Cont
5	H5AHOUB	H5AHOUB:W5 Assets:2nd Home	Cont
6	H6AHOUB	H6AHOUB:W6 Assets:2nd Home	Cont
7	H7AHOUB	H7AHOUB:W7 Assets:2nd Home	Cont
8	H8AHOUB	H8AHOUB:W8 Assets:2nd Home	Cont
9	H9AHOUB	H9AHOUB:W9 Assets:2nd Home	Cont
10	H10AHOUB	H10AHOUB:W10 Assets:2nd Home	Cont
1	H1AFHOUB	H1AFHOUB:W1 Asst Flag:2nd Home	Categ
2	H2AFHOUB	H2AFHOUB:W2 Asst Flag:2nd Home	Categ
4	H4AFHOUB	H4AFHOUB:W4 Asst Flag:2nd Home	Categ
5	H5AFHOUB	H5AFHOUB:W5 Asst Flag:2nd Home	Categ
6	H6AFHOUB	H6AFHOUB:W6 Asst Flag:2nd Home	Categ
7	H7AFHOUB	H7AFHOUB:W7 Asst Flag:2nd Home	Categ
8	H8AFHOUB	H8AFHOUB:W8 Asst Flag:2nd Home	Categ
9	H9AFHOUB	H9AFHOUB:W9 Asst Flag:2nd Home	Categ
10	H10AFHOUB	H10AFHOUB:W10 Asst Flag:2nd Home	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUB	12652	14094.64	88795.99	0.0	5000000.0
H2AHOUB	11420	10957.25	49884.29	0.0	2000000.0
H4AHOUB	21384	11887.64	57640.63	0.0	2000000.0
H5AHOUB	19579	13975.39	71389.19	0.0	2915898.6
H6AHOUB	18165	17234.68	85914.65	0.0	3000000.0
H7AHOUB	20129	23329.65	200664.75	0.0	10070000.0
H8AHOUB	18469	28311.43	248938.02	0.0	20000000.0
H9AHOUB	17217	29179.77	208257.23	0.0	15000000.0
H10AHOUB	15372	22553.08	103355.28	0.0	2000000.0
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	1.58	1.0	9.0
H6AFHOUB	18165	5.46	1.57	1.0	9.0
H7AFHOUB	20129	5.40	1.63	1.0	9.0
H8AFHOUB	18469	5.38	1.64	1.0	9.0
H9AFHOUB	17217	5.35	1.69	1.0	9.0
H10AFHOUB	15372	5.36	1.72	1.0	9.0

Categorical Variable Codes

Value-----	H1AFHOUB	H2AFHOUB	H4AFHOUB	H5AFHOUB	H6AFHOUB	H7AFHOUB	H8AFHOUB	H9AFHOUB	H10AFHOUB
.Q=Not asked this wave		8222							
1.continuous value	1656	1344	2213	1957	1844	2167	2034	2030	1837
2.complete bracket		118	222	227	194	349	313	286	262
3.incomplete bracket		22	6	38	14	25	33	35	43
4.range card bracket	26								
5.no value/bracket	114	25	48	66	84	176	156	129	126

6.no asset	|	10734	9769	18667	17094	15766	17237	15845	14607	12690
7.DK ownership	|	27	18	58	75	223	108	34	63	328
9.no Fin Resp	|	95	124	170	122	40	67	54	67	86

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 5-8, 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 most accurate. Therefore, HwAFHOUB will be set to "DK ownership" for these cases. [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 Wave 3, we do not provide these variables for these waves.

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 use 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
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

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

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
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
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
MH169	DOLLAR VALUE SECOND HOME - RESULT
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

Value of all mortgages/land contracts (secondary residence)

Wave	Variable	Label	Type
1	H1AMRTB	H1AMRTB:W1 Assets:2nd Home Mtg	Cont
2	H2AMRTB	H2AMRTB:W2 Assets:2nd Home Mtg	Cont
4	H4AMRTB	H4AMRTB:W4 Assets:2nd Home Mtg	Cont
5	H5AMRTB	H5AMRTB:W5 Assets:2nd Home Mtg	Cont
6	H6AMRTB	H6AMRTB:W6 Assets:2nd Home Mtg	Cont
7	H7AMRTB	H7AMRTB:W7 Assets:2nd Home Mtg	Cont
8	H8AMRTB	H8AMRTB:W8 Assets:2nd Home Mtg	Cont
9	H9AMRTB	H9AMRTB:W9 Assets:2nd Home Mtg	Cont
10	H10AMRTB	H10AMRTB:W10 Assets:2nd Home Mtg	Cont
1	H1AFMRTB	H1AFMRTB:W1 Asst Flag:2nd Home Mtg	Categ
2	H2AFMRTB	H2AFMRTB:W2 Asst Flag:2nd Home Mtg	Categ
4	H4AFMRTB	H4AFMRTB:W4 Asst Flag:2nd Home Mtg	Categ
5	H5AFMRTB	H5AFMRTB:W5 Asst Flag:2nd Home Mtg	Categ
6	H6AFMRTB	H6AFMRTB:W6 Asst Flag:2nd Home Mtg	Categ
7	H7AFMRTB	H7AFMRTB:W7 Asst Flag:2nd Home Mtg	Categ
8	H8AFMRTB	H8AFMRTB:W8 Asst Flag:2nd Home Mtg	Categ
9	H9AFMRTB	H9AFMRTB:W9 Asst Flag:2nd Home Mtg	Categ
10	H10AFMRTB	H10AFMRTB:W10 Asst Flag:2nd Home Mtg	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMRTB	12652	2355.27	14145.82	0.0	325000.0
H2AMRTB	11420	2125.90	14124.26	0.0	460000.0
H4AMRTB	21384	1636.20	14914.86	0.0	520000.0
H5AMRTB	19579	1803.91	21629.72	0.0	1100000.0
H6AMRTB	18165	1617.28	15801.29	0.0	510000.0
H7AMRTB	20129	2242.23	22577.90	0.0	700000.0
H8AMRTB	18469	2409.79	23342.62	0.0	815000.0
H9AMRTB	17217	2688.76	23945.82	0.0	677872.1
H10AMRTB	15372	2511.31	23987.72	0.0	776000.0
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	5.90	0.76	1.0	9.0
H8AFMRTB	18469	5.90	0.75	1.0	9.0
H9AFMRTB	17217	5.90	0.77	1.0	9.0
H10AFMRTB	15372	5.93	0.77	1.0	9.0

Categorical Variable Codes

Value-----	H1AFMRTB	H2AFMRTB	H4AFMRTB	H5AFMRTB	H6AFMRTB	H7AFMRTB	H8AFMRTB	H9AFMRTB	H10AFMRTB
.Q=Not asked this wave		8222							
1.continuous value	718	473	541	464	366	409	377	375	309
2.complete bracket		44	24	28	41	44	34	24	11
3.incomplete bracket		6	2	3	2		3	2	6
4.range card bracket	14								
5.no value/bracket	51	9	16	23	18	26	12	14	6

6.no asset	|	11736	10734	20566	18852	17460	19458	17944	16653	14605
7.DK ownership	|	38	30	65	87	238	125	45	82	349
9.no Fin Resp	|	95	124	170	122	40	67	54	67	86

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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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 Waves 2A and Wave 3, we do not provide these variables for these waves.

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, 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 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:
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

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

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

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

HRS 2010:
MH170M3
MH170M1 HOME MORTGAGE - SECOND-1
MH170M2 HOME MORTGAGE - SECOND-2
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

Net value of secondary residence

Wave	Variable	Label	Type
1	H1ANETHB	H1ANETHB:W1 Net Value of 2nd Home	Cont
2	H2ANETHB	H2ANETHB:W2 Net Value of 2nd Home	Cont
4	H4ANETHB	H4ANETHB:W4 Net Value of 2nd Home	Cont
5	H5ANETHB	H5ANETHB:W5 Net Value of 2nd Home	Cont
6	H6ANETHB	H6ANETHB:W6 Net Value of 2nd Home	Cont
7	H7ANETHB	H7ANETHB:W7 Net Value of 2nd Home	Cont
8	H8ANETHB	H8ANETHB:W8 Net Value of 2nd Home	Cont
9	H9ANETHB	H9ANETHB:W9 Net Value of 2nd Home	Cont
10	H10ANETHB	H10ANETHB:W10 Net Value of 2nd Home	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ANETHB	12652	11739.38	84784.92	-120000.0	5000000.0
H2ANETHB	11420	8831.35	44714.77	-75000.0	1870000.0
H4ANETHB	21384	10251.43	50747.14	-128000.0	1725000.0
H5ANETHB	19579	12171.48	65295.07	-980000.0	2915898.6
H6ANETHB	18165	15617.40	81519.81	-117202.1	3000000.0
H7ANETHB	20129	21087.43	193231.33	-150000.0	10000000.0
H8ANETHB	18469	25901.64	244821.75	-393500.0	20000000.0
H9ANETHB	17217	26491.01	200717.90	-250000.0	15000000.0
H10ANETHB	15372	20041.77	95606.89	-100000.0	2000000.0

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

How Constructed:

The net value of second home is calculated as house value less mortgages:

HWAHOUB - HWAMRTB

Net value of non-housing financial wealth
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Wave	Variable	Label	Type
1	H1ATOTF	H1ATOTF:W1 Non-Housing Financial Wealth	Cont
2	H2ATOTF	H2ATOTF:W2 Non-Housing Financial Wealth	Cont
3	H3ATOTF	H3ATOTF:W3 Non-Housing Financial Wealth	Cont
4	H4ATOTF	H4ATOTF:W4 Non-Housing Financial Wealth	Cont
5	H5ATOTF	H5ATOTF:W5 Non-Housing Financial Wealth	Cont
6	H6ATOTF	H6ATOTF:W6 Non-Housing Financial Wealth	Cont
7	H7ATOTF	H7ATOTF:W7 Non-Housing Financial Wealth	Cont
8	H8ATOTF	H8ATOTF:W8 Non-Housing Financial Wealth	Cont
9	H9ATOTF	H9ATOTF:W9 Non-Housing Financial Wealth	Cont
10	H10ATOTF	H10ATOTF:W10 Non-Housing Financial Wealth	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTF	12652	47510.64	153724.56	-825000.0	3523614.2
H2ATOTF	19642	57242.01	185498.19	-390000.0	8400000.0
H3ATOTF	17991	90757.66	458663.68	-489000.0	40550000.0
H4ATOTF	21384	95931.70	464430.36	-3636749.0	30388000.0
H5ATOTF	19579	111801.12	428902.26	-485500.0	33500000.0
H6ATOTF	18165	106648.12	395309.57	-295000.0	33300000.0
H7ATOTF	20129	133428.16	1099450.67	-2335500.0	76550000.0
H8ATOTF	18469	147363.25	1097948.15	-2199892.0	80842000.0
H9ATOTF	17217	138136.47	544570.91	-1400000.0	20004500.0
H10ATOTF	15372	126000.03	412779.95	-1250000.0	13129006.4

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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	Cont
2	H2ATOTA	H2ATOTA:W2 Total of all Assets	Cont
3	H3ATOTA	H3ATOTA:W3 Total of all Assets	Cont
4	H4ATOTA	H4ATOTA:W4 Total of all Assets	Cont
5	H5ATOTA	H5ATOTA:W5 Total of all Assets	Cont
6	H6ATOTA	H6ATOTA:W6 Total of all Assets	Cont
7	H7ATOTA	H7ATOTA:W7 Total of all Assets	Cont
8	H8ATOTA	H8ATOTA:W8 Total of all Assets	Cont
9	H9ATOTA	H9ATOTA:W9 Total of all Assets	Cont
10	H10ATOTA	H10ATOTA:W10 Total of all Assets	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTA	12652	209506.93	437566.93	-745000.0	8624000.0
H2ATOTA	19642	209610.49	437188.24	-4733000.0	14930000.0
H3ATOTA	17991	265926.30	678622.35	-477000.0	40780000.0
H4ATOTA	21384	293359.26	1067285.20	-3636749.0	86210000.0
H5ATOTA	19579	339593.49	912189.58	-355000.0	53200200.0
H6ATOTA	18165	349506.71	877395.60	-480864.8	41640000.0
H7ATOTA	20129	413184.87	1445590.73	-2245500.0	77225000.0
H8ATOTA	18469	531893.35	2361413.59	-2453000.0	100790000.0
H9ATOTA	17217	485252.74	1312264.05	-1064000.0	38050000.0
H10ATOTA	15372	420489.32	900454.37	-1190000.0	26901000.0

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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	Cont
2	H2ATOTB	H2ATOTB:W2 Total all Assets inc. 2nd Hm	Cont
4	H4ATOTB	H4ATOTB:W4 Total all Assets inc. 2nd Hm	Cont
5	H5ATOTB	H5ATOTB:W5 Total all Assets inc. 2nd Hm	Cont
6	H6ATOTB	H6ATOTB:W6 Total all Assets inc. 2nd Hm	Cont
7	H7ATOTB	H7ATOTB:W7 Total all Assets inc. 2nd Hm	Cont
8	H8ATOTB	H8ATOTB:W8 Total all Assets inc. 2nd Hm	Cont
9	H9ATOTB	H9ATOTB:W9 Total all Assets inc. 2nd Hm	Cont
10	H10ATOTB	H10ATOTB:W10 Total all Assets inc. 2nd Hm	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTB	12652	221246.30	458299.12	-745000.0	8734000.0
H2ATOTB	11420	245527.51	493695.08	-4733000.0	15230000.0
H4ATOTB	21384	303610.69	1079530.68	-3624527.0	86530000.0
H5ATOTB	19579	351764.97	930249.13	-1205364.4	53800200.0
H6ATOTB	18165	365124.11	906019.05	-480864.8	42390000.0
H7ATOTB	20129	434272.30	1489912.71	-2245500.0	77225000.0
H8ATOTB	18469	557794.99	2395870.06	-2453000.0	100870000.0
H9ATOTB	17217	511743.75	1385097.37	-1064000.0	46350000.0
H10ATOTB	15372	440531.09	931258.44	-1165000.0	27401000.0

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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)

Total Wealth (Excluding IRAs)

Wave	Variable	Label	Type
1	H1ATOTW	H1ATOTW:W1 Total Wealth less IRA	Cont
2	H2ATOTW	H2ATOTW:W2 Total Wealth less IRA	Cont
3	H3ATOTW	H3ATOTW:W3 Total Wealth less IRA	Cont
4	H4ATOTW	H4ATOTW:W4 Total Wealth less IRA	Cont
5	H5ATOTW	H5ATOTW:W5 Total Wealth less IRA	Cont
6	H6ATOTW	H6ATOTW:W6 Total Wealth less IRA	Cont
7	H7ATOTW	H7ATOTW:W7 Total Wealth less IRA	Cont
8	H8ATOTW	H8ATOTW:W8 Total Wealth less IRA	Cont
9	H9ATOTW	H9ATOTW:W9 Total Wealth less IRA	Cont
10	H10ATOTW	H10ATOTW:W10 Total Wealth less IRA	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTW	12652	191279.25	419235.73	-795000.0	8524000.0
H2ATOTW	19642	190197.42	416761.60	-4733000.0	14900000.0
H3ATOTW	17991	237864.69	646157.04	-477000.0	40780000.0
H4ATOTW	21384	255090.13	1043353.12	-3636749.0	85960000.0
H5ATOTW	19579	287696.76	851849.97	-355000.0	50000200.0
H6ATOTW	18165	302852.05	835157.14	-480864.8	41140000.0
H7ATOTW	20129	360586.48	1352565.61	-2313500.0	77165000.0
H8ATOTW	18469	460987.21	2222153.66	-2463500.0	100390000.0
H9ATOTW	17217	417372.14	1216851.73	-1064000.0	38050000.0
H10ATOTW	15372	352946.93	827801.24	-1340000.0	25900000.0

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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	Cont
2	H2ATOTN	H2ATOTN:W2 Total Non-Housing Assets	Cont
3	H3ATOTN	H3ATOTN:W3 Total Non-Housing Assets	Cont
4	H4ATOTN	H4ATOTN:W4 Total Non-Housing Assets	Cont
5	H5ATOTN	H5ATOTN:W5 Total Non-Housing Assets	Cont
6	H6ATOTN	H6ATOTN:W6 Total Non-Housing Assets	Cont
7	H7ATOTN	H7ATOTN:W7 Total Non-Housing Assets	Cont
8	H8ATOTN	H8ATOTN:W8 Total Non-Housing Assets	Cont
9	H9ATOTN	H9ATOTN:W9 Total Non-Housing Assets	Cont
10	H10ATOTN	H10ATOTN:W10 Total Non-Housing Assets	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTN	12652	146988.64	402891.56	-760000.0	8119000.0
H2ATOTN	19642	141235.63	380272.81	-200000.0	13730000.0
H3ATOTN	17991	192727.58	632597.76	-477000.0	40630000.0
H4ATOTN	21384	212698.37	1006666.53	-3636749.0	85710000.0
H5ATOTN	19579	247561.18	779941.95	-390000.0	50200000.0
H6ATOTN	18165	243160.09	811465.67	-277000.0	41170000.0
H7ATOTN	20129	281875.50	1323661.54	-2245500.0	76625000.0
H8ATOTN	18469	363768.51	2158181.42	-2199392.0	100630000.0
H9ATOTN	17217	318019.50	1028725.32	-1144000.0	31642500.0
H10ATOTN	15372	284773.26	780660.59	-943500.0	26040000.0

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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
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
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2ATOTAC	11423	24338.66	374264.51	-7861083.0	7627737.5
H3ATOTAC	17721	50587.91	554063.07	-7259452.9	39520275.8
H4ATOTAC	16293	28284.15	922694.33	-9997000.0	70117000.0
H5ATOTAC	19314	38862.33	1086395.19	-81364000.0	38526500.0
H6ATOTAC	17938	-1282.17	828276.96	-37120000.0	41556800.0
H7ATOTAC	16657	69519.69	1366539.74	-35055000.0	75985400.5
H8ATOTAC	18261	110286.81	2085765.53	-68240000.0	97321000.0
H9ATOTAC	17074	-43482.97	1923230.69	-92529180.5	26392000.0
H10ATOTAC	15248	-75856.04	1122281.78	-32810000.0	24357380.5
H2ATOTBC	11317	22434.43	384288.88	-7861083.0	7577737.5
H5ATOTBC	18859	42285.84	1098529.07	-81184000.0	38626500.0
H6ATOTBC	17710	1090.25	834738.25	-36810000.0	42306800.0
H7ATOTBC	16567	74632.21	1387349.84	-34905000.0	75985400.5
H8ATOTBC	18231	114564.79	2102355.78	-68240000.0	97361000.0
H9ATOTBC	17058	-43607.59	1954816.86	-93117312.8	26392000.0
H10ATOTBC	15236	-83121.71	1162683.48	-32810000.0	24815380.5
H2ATOTWC	11423	15797.58	365975.42	-7855603.6	7597737.5
H3ATOTWC	17721	42967.39	540956.49	-7259452.9	39520275.8
H4ATOTWC	16293	20633.63	910281.44	-9997000.0	70067000.0
H5ATOTWC	19314	26992.75	1065109.69	-81295000.0	38649500.0
H6ATOTWC	17938	6572.32	800651.92	-37378000.0	41057800.0
H7ATOTWC	16657	64088.14	1338922.65	-34865000.0	76022400.5
H8ATOTWC	18261	92291.25	1968021.24	-68250000.0	97035000.0
H9ATOTWC	17074	-39016.18	1812142.55	-91129180.5	25748000.0
H10ATOTWC	15248	-71700.98	1068491.79	-32810000.0	23356380.5
H2ATOTHC	11423	5001.00	125413.47	-5290000.0	4735000.0
H3ATOTHC	17721	3917.21	96455.89	-4277865.7	4490000.0
H4ATOTHC	16293	6020.88	246822.06	-1100000.0	19377865.7
H5ATOTHC	19314	8896.34	188137.73	-9000000.0	9100000.0
H6ATOTHC	17938	12322.75	235390.39	-13841000.0	9790000.0
H7ATOTHC	16657	25993.29	364996.29	-9940000.0	23140000.0
H8ATOTHC	18261	34785.84	805521.90	-25000000.0	78790444.6
H9ATOTHC	17074	-6979.99	804112.22	-69900000.0	22850000.0
H10ATOTHC	15248	-35166.72	567181.59	-31800000.0	8205000.0
H2ATOTFC	11423	10660.87	164058.28	-2678000.0	7146967.6
H3ATOTFC	17721	31996.15	434786.25	-5014000.0	39800275.8
H4ATOTFC	16293	11617.12	416430.26	-10162000.0	25022000.0
H5ATOTFC	19314	16178.34	462189.39	-22895000.0	28300000.0
H6ATOTFC	17938	-6759.04	404896.66	-20944746.0	32970000.0
H7ATOTFC	16657	37325.50	1117731.75	-32825000.0	76037400.5
H8ATOTFC	18261	9225.04	855621.28	-68250000.0	28311164.6
H9ATOTFC	17074	-7221.34	987004.18	-72195147.0	19774500.0
H10ATOTFC	15248	-13437.17	467258.69	-17879500.0	12627006.4
H2ATOTNC	11423	19337.66	342491.27	-7796083.0	7377737.5
H3ATOTNC	17721	46670.71	541369.87	-6304452.9	39470275.8
H4ATOTNC	16293	22263.27	888892.02	-10037000.0	70097000.0
H5ATOTNC	19314	29965.99	1045169.05	-80864000.0	37500000.0
H6ATOTNC	17938	-13604.92	766142.65	-29649746.0	41136800.0
H7ATOTNC	16657	43526.39	1310632.72	-35235000.0	75985400.5
H8ATOTNC	18261	75500.98	1909357.39	-68240000.0	97251000.0
H9ATOTNC	17074	-36502.97	1761956.84	-92100180.5	25443000.0

H10ATOTNC 15248 -40689.32 934854.37 -28445500.0 24397380.5

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 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 discussed in more detail in the "[Wealth and Income Imputations](#)" earlier in this document.

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).

$$\text{HwATOTHc} = (\text{HwATOTH} - \text{H[pw]ATOTH}) / (\text{w-pw})$$

$$\text{HwATOTFc} = (\text{HwATOTF} - \text{H[pw]ATOTF}) / (\text{w-pw})$$

$$\text{HwATOTAc} = (\text{HwATOTA} - \text{H[pw]ATOTA}) / (\text{w-pw})$$

$$\text{HwATOTBc} = (\text{HwATOTB} - \text{H[pw]ATOTB}) / (\text{w-pw})$$

$$\text{HwATOTNc} = (\text{HwATOTN} - \text{H[pw]ATOTN}) / (\text{w-pw})$$

$$\text{HwATOTWc} = (\text{HwATOTW} - \text{H[pw]ATOTW}) / (\text{w-pw})$$

Where 'w' is the current wave and "pw" is the last previous interview to which R 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 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
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
1	R1IFEARN	R1IFEARN:W1 IncFlag:R Earnings	Categ
2	R2IFEARN	R2IFEARN:W2 IncFlag:R Earnings	Categ
3	R3IFEARN	R3IFEARN:W3 IncFlag:R Earnings	Categ
4	R4IFEARN	R4IFEARN:W4 IncFlag:R Earnings	Categ
5	R5IFEARN	R5IFEARN:W5 IncFlag:R Earnings	Categ
6	R6IFEARN	R6IFEARN:W6 IncFlag:R Earnings	Categ
7	R7IFEARN	R7IFEARN:W7 IncFlag:R Earnings	Categ
8	R8IFEARN	R8IFEARN:W8 IncFlag:R Earnings	Categ
9	R9IFEARN	R9IFEARN:W9 IncFlag:R Earnings	Categ
10	R10IFEARN	R10IFEARN:W10 IncFlag:R Earnings	Categ
1	S1IFEARN	S1IFEARN:W1 IncFlag:Sp Earnings	Categ
2	S2IFEARN	S2IFEARN:W2 IncFlag:Sp Earnings	Categ
3	S3IFEARN	S3IFEARN:W3 IncFlag:Sp Earnings	Categ
4	S4IFEARN	S4IFEARN:W4 IncFlag:Sp Earnings	Categ
5	S5IFEARN	S5IFEARN:W5 IncFlag:Sp Earnings	Categ
6	S6IFEARN	S6IFEARN:W6 IncFlag:Sp Earnings	Categ
7	S7IFEARN	S7IFEARN:W7 IncFlag:Sp Earnings	Categ
8	S8IFEARN	S8IFEARN:W8 IncFlag:Sp Earnings	Categ
9	S9IFEARN	S9IFEARN:W9 IncFlag:Sp Earnings	Categ
10	S10IFEARN	S10IFEARN:W10 IncFlag:Sp Earnings	Categ
1	R1FWAGE	R1FWAGE:W1 ImpFlag-Wages, Salary	Categ
2	R2FWAGE	R2FWAGE:W2 ImpFlag-Wages, Salary	Categ
3	R3FWAGE	R3FWAGE:W3 ImpFlag-Wages, Salary	Categ
4	R4FWAGE	R4FWAGE:W4 ImpFlag-Wages, Salary	Categ
5	R5FWAGE	R5FWAGE:W5 ImpFlag-Wages, Salary	Categ
6	R6FWAGE	R6FWAGE:W6 ImpFlag-Wages, Salary	Categ
7	R7FWAGE	R7FWAGE:W7 ImpFlag-Wages, Salary	Categ
8	R8FWAGE	R8FWAGE:W8 ImpFlag-Wages, Salary	Categ
9	R9FWAGE	R9FWAGE:W9 ImpFlag-Wages, Salary	Categ
10	R10FWAGE	R10FWAGE:W10 ImpFlag-Wages, Salary	Categ
1	S1FWAGE	S1FWAGE:W1 ImpFlag-Wages, Salary	Categ
2	S2FWAGE	S2FWAGE:W2 ImpFlag-Wages, Salary	Categ

3	S3FWAGE	S3FWAGE:W3	ImpFlag-Wages, Salary	Categ
4	S4FWAGE	S4FWAGE:W4	ImpFlag-Wages, Salary	Categ
5	S5FWAGE	S5FWAGE:W5	ImpFlag-Wages, Salary	Categ
6	S6FWAGE	S6FWAGE:W6	ImpFlag-Wages, Salary	Categ
7	S7FWAGE	S7FWAGE:W7	ImpFlag-Wages, Salary	Categ
8	S8FWAGE	S8FWAGE:W8	ImpFlag-Wages, Salary	Categ
9	S9FWAGE	S9FWAGE:W9	ImpFlag-Wages, Salary	Categ
10	S10FWAGE	S10FWAGE:W10	ImpFlag-Wages, Salary	Categ
1	R1FBON	R1FBON:W1	ImpFlag-Tips, Bonus, Comm	Categ
2	R2FBON	R2FBON:W2	ImpFlag-Tips, Bonus, Comm	Categ
3	R3FBON	R3FBON:W3	ImpFlag-Tips, Bonus, Comm	Categ
4	R4FBON	R4FBON:W4	ImpFlag-Tips, Bonus, Comm	Categ
5	R5FBON	R5FBON:W5	ImpFlag-Tips, Bonus, Comm	Categ
6	R6FBON	R6FBON:W6	ImpFlag-Tips, Bonus, Comm	Categ
7	R7FBON	R7FBON:W7	ImpFlag-Tips, Bonus, Comm	Categ
8	R8FBON	R8FBON:W8	ImpFlag-Tips, Bonus, Comm	Categ
9	R9FBON	R9FBON:W9	ImpFlag-Tips, Bonus, Comm	Categ
10	R10FBON	R10FBON:W10	ImpFlag-Tips, Bonus, Comm	Categ
1	S1FBON	S1FBON:W1	ImpFlag-Tips, Bonus, Comm	Categ
2	S2FBON	S2FBON:W2	ImpFlag-Tips, Bonus, Comm	Categ
3	S3FBON	S3FBON:W3	ImpFlag-Tips, Bonus, Comm	Categ
4	S4FBON	S4FBON:W4	ImpFlag-Tips, Bonus, Comm	Categ
5	S5FBON	S5FBON:W5	ImpFlag-Tips, Bonus, Comm	Categ
6	S6FBON	S6FBON:W6	ImpFlag-Tips, Bonus, Comm	Categ
7	S7FBON	S7FBON:W7	ImpFlag-Tips, Bonus, Comm	Categ
8	S8FBON	S8FBON:W8	ImpFlag-Tips, Bonus, Comm	Categ
9	S9FBON	S9FBON:W9	ImpFlag-Tips, Bonus, Comm	Categ
10	S10FBON	S10FBON:W10	ImpFlag-Tips, Bonus, Comm	Categ
1	R1F2ND	R1F2ND:W1	ImpFlag-2nd Job	Categ
2	R2F2ND	R2F2ND:W2	ImpFlag-2nd Job	Categ
3	R3F2ND	R3F2ND:W3	ImpFlag-2nd Job	Categ
4	R4F2ND	R4F2ND:W4	ImpFlag-2nd Job	Categ
5	R5F2ND	R5F2ND:W5	ImpFlag-2nd Job	Categ
6	R6F2ND	R6F2ND:W6	ImpFlag-2nd Job	Categ
7	R7F2ND	R7F2ND:W7	ImpFlag-2nd Job	Categ
8	R8F2ND	R8F2ND:W8	ImpFlag-2nd Job	Categ
9	R9F2ND	R9F2ND:W9	ImpFlag-2nd Job	Categ
10	R10F2ND	R10F2ND:W10	ImpFlag-2nd Job	Categ
1	S1F2ND	S1F2ND:W1	ImpFlag-2nd Job	Categ
2	S2F2ND	S2F2ND:W2	ImpFlag-2nd Job	Categ
3	S3F2ND	S3F2ND:W3	ImpFlag-2nd Job	Categ
4	S4F2ND	S4F2ND:W4	ImpFlag-2nd Job	Categ
5	S5F2ND	S5F2ND:W5	ImpFlag-2nd Job	Categ
6	S6F2ND	S6F2ND:W6	ImpFlag-2nd Job	Categ
7	S7F2ND	S7F2ND:W7	ImpFlag-2nd Job	Categ
8	S8F2ND	S8F2ND:W8	ImpFlag-2nd Job	Categ
9	S9F2ND	S9F2ND:W9	ImpFlag-2nd Job	Categ
10	S10F2ND	S10F2ND:W10	ImpFlag-2nd Job	Categ
1	R1FTRAD	R1FTRAD:W1	ImpFlag-Prof Prac, Trade	Categ
2	R2FTRAD	R2FTRAD:W2	ImpFlag-Prof Prac, Trade	Categ
3	R3FTRAD	R3FTRAD:W3	ImpFlag-Prof Prac, Trade	Categ
4	R4FTRAD	R4FTRAD:W4	ImpFlag-Prof Prac, Trade	Categ
5	R5FTRAD	R5FTRAD:W5	ImpFlag-Prof Prac, Trade	Categ
6	R6FTRAD	R6FTRAD:W6	ImpFlag-Prof Prac, Trade	Categ
7	R7FTRAD	R7FTRAD:W7	ImpFlag-Prof Prac, Trade	Categ
8	R8FTRAD	R8FTRAD:W8	ImpFlag-Prof Prac, Trade	Categ
9	R9FTRAD	R9FTRAD:W9	ImpFlag-Prof Prac, Trade	Categ
10	R10FTRAD	R10FTRAD:W10	ImpFlag-Prof Prac, Trade	Categ

1	S1FTRAD	S1FTRAD:W1	ImpFlag-Prof	Prac,Trade	Categ
2	S2FTRAD	S2FTRAD:W2	ImpFlag-Prof	Prac,Trade	Categ
3	S3FTRAD	S3FTRAD:W3	ImpFlag-Prof	Prac,Trade	Categ
4	S4FTRAD	S4FTRAD:W4	ImpFlag-Prof	Prac,Trade	Categ
5	S5FTRAD	S5FTRAD:W5	ImpFlag-Prof	Prac,Trade	Categ
6	S6FTRAD	S6FTRAD:W6	ImpFlag-Prof	Prac,Trade	Categ
7	S7FTRAD	S7FTRAD:W7	ImpFlag-Prof	Prac,Trade	Categ
8	S8FTRAD	S8FTRAD:W8	ImpFlag-Prof	Prac,Trade	Categ
9	S9FTRAD	S9FTRAD:W9	ImpFlag-Prof	Prac,Trade	Categ
10	S10FTRAD	S10FTRAD:W10	ImpFlag-Prof	Prac,Trade	Categ
2	R2FEARN	R2FEARN:W2	ImpFlag-Earnings		Categ
2	S2FEARN	S2FEARN:W2	ImpFlag-Earnings		Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IEARN	12652	19361.03	30114.42	0.0	1250000.0
R2IEARN	19642	11673.63	34069.93	0.0	3000000.0
R3IEARN	17991	10404.25	23740.88	0.0	770000.0
R4IEARN	21384	11343.57	35393.90	0.0	3530000.0
R5IEARN	19579	10890.70	29773.44	0.0	2000000.0
R6IEARN	18165	10626.83	27827.62	0.0	757000.0
R7IEARN	20129	14005.59	36844.91	0.0	2000000.0
R8IEARN	18469	12991.60	57416.62	0.0	6525000.0
R9IEARN	17217	12755.03	35395.24	0.0	1425000.0
R10IEARN	15372	11529.36	34620.52	0.0	1400000.0
S1IEARN	10279	19622.51	28321.42	0.0	600000.0
S2IEARN	13672	14024.60	38845.55	0.0	3000000.0
S3IEARN	12333	12260.86	25844.89	0.0	770000.0
S4IEARN	14515	13411.36	40549.34	0.0	3530000.0
S5IEARN	13041	12855.24	28090.20	0.0	705000.0
S6IEARN	11859	12781.45	30932.22	0.0	757000.0
S7IEARN	13353	16952.82	42624.07	0.0	2000000.0
S8IEARN	12052	15883.55	69190.30	0.0	6525000.0
S9IEARN	11011	15749.22	40849.20	0.0	1425000.0
S10IEARN	9672	14092.74	37480.12	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	15372	0.40	0.95	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	15372	3.26	3.73	0.0	9.0
R1FWAGE	12652	3.03	2.45	1.0	9.0
R2FWAGE	11420	3.17	2.45	1.0	9.0
R3FWAGE	17991	4.41	2.32	1.0	9.0
R4FWAGE	21384	4.42	2.33	1.0	9.0
R5FWAGE	19579	4.51	2.28	1.0	9.0
R6FWAGE	18165	4.68	2.19	1.0	9.0
R7FWAGE	20129	4.42	2.30	1.0	9.0
R8FWAGE	18469	4.56	2.24	1.0	9.0
R9FWAGE	17217	4.64	2.21	1.0	9.0
R10FWAGE	15372	4.81	2.14	1.0	9.0
S1FWAGE	12652	3.99	2.94	1.0	9.0
S2FWAGE	11420	4.13	2.92	1.0	9.0
S3FWAGE	17991	5.40	2.65	1.0	9.0
S4FWAGE	21384	5.45	2.65	1.0	9.0
S5FWAGE	19579	5.55	2.58	1.0	9.0
S6FWAGE	18165	5.71	2.48	1.0	9.0
S7FWAGE	20129	5.51	2.62	1.0	9.0
S8FWAGE	18469	5.64	2.54	1.0	9.0
S9FWAGE	17217	5.74	2.50	1.0	9.0
S10FWAGE	15372	5.90	2.39	1.0	9.0
R1FBON	12652	5.62	1.40	1.0	9.0
R2FBON	11420	5.71	1.27	1.0	9.0
R3FBON	17991	5.88	0.87	1.0	9.0
R4FBON	21384	5.88	0.90	1.0	9.0
R5FBON	19579	5.90	0.81	1.0	9.0
R6FBON	18165	5.91	0.75	1.0	9.0
R7FBON	20129	5.87	0.85	1.0	9.0
R8FBON	18469	5.88	0.82	1.0	9.0
R9FBON	17217	5.89	0.81	1.0	9.0
R10FBON	15372	5.92	0.79	1.0	9.0
S1FBON	12652	6.08	1.57	1.0	9.0
S2FBON	11420	6.18	1.44	1.0	9.0
S3FBON	17991	6.53	1.26	1.0	9.0
S4FBON	21384	6.56	1.26	1.0	9.0
S5FBON	19579	6.59	1.22	1.0	9.0
S6FBON	18165	6.63	1.18	1.0	9.0
S7FBON	20129	6.58	1.25	1.0	9.0
S8FBON	18469	6.61	1.23	1.0	9.0
S9FBON	17217	6.64	1.23	1.0	9.0
S10FBON	15372	6.68	1.22	1.0	9.0
R1F2ND	12652	5.88	0.95	1.0	9.0
R2F2ND	11420	5.90	0.86	1.0	9.0
R3F2ND	10964	5.93	0.70	1.0	9.0
R4F2ND	21384	5.97	0.63	1.0	9.0
R5F2ND	19579	5.97	0.57	1.0	9.0
R6F2ND	18165	5.98	0.49	1.0	9.0
R7F2ND	20129	5.95	0.60	1.0	9.0
R8F2ND	18469	5.96	0.52	1.0	9.0
R9F2ND	17217	5.97	0.52	1.0	9.0
R10F2ND	15372	5.99	0.53	1.0	9.0
S1F2ND	12652	6.30	1.16	1.0	9.0
S2F2ND	11420	6.33	1.13	1.0	9.0
S3F2ND	10964	6.38	1.03	1.0	9.0
S4F2ND	21384	6.63	1.09	1.0	9.0
S5F2ND	19579	6.65	1.07	1.0	9.0

S6F2ND	18165	6.68	1.05	1.0	9.0
S7F2ND	20129	6.64	1.09	1.0	9.0
S8F2ND	18469	6.67	1.07	1.0	9.0
S9F2ND	17217	6.70	1.06	1.0	9.0
S10F2ND	15372	6.74	1.06	1.0	9.0
R1FTRAD	12652	5.86	0.96	1.0	9.0
R2FTRAD	11420	5.91	0.83	1.0	9.0
R3FTRAD	17991	5.92	0.75	1.0	9.0
R4FTRAD	21384	5.93	0.75	1.0	9.0
R5FTRAD	19579	5.96	0.62	1.0	9.0
R6FTRAD	18165	5.97	0.54	1.0	9.0
R7FTRAD	20129	5.92	0.71	1.0	9.0
R8FTRAD	18469	5.95	0.57	1.0	9.0
R9FTRAD	17217	5.95	0.60	1.0	9.0
R10FTRAD	15372	5.92	0.77	1.0	9.0
S1FTRAD	12652	6.27	1.21	1.0	9.0
S2FTRAD	11420	6.32	1.15	1.0	9.0
S3FTRAD	17991	6.56	1.18	1.0	9.0
S4FTRAD	21384	6.60	1.17	1.0	9.0
S5FTRAD	19579	6.64	1.10	1.0	9.0
S6FTRAD	18165	6.66	1.09	1.0	9.0
S7FTRAD	20129	6.61	1.17	1.0	9.0
S8FTRAD	18469	6.66	1.10	1.0	9.0
S9FTRAD	17217	6.69	1.12	1.0	9.0
S10FTRAD	15372	6.68	1.21	1.0	9.0
R2FEARN	8222	5.48	1.51	1.0	9.0
S2FEARN	8222	6.56	1.80	1.0	9.0

Categorical Variable Codes

Value-----	R1FEARN	R2FEARN	R3FEARN	R4FEARN	R5FEARN	R6FEARN	R7FEARN	R8FEARN	R9FEARN	R10FEARN
0.no income	3624	11307	11455	13423	12824	12365	12671	12312	11773	10965
1.no imputations	7595	6580	5343	6290	5387	4421	5844	4879	4321	3431
2.some imputation	1338	1621	1067	1464	1231	1334	1525	1213	1048	857
9.no Fin Resp	95	134	126	207	137	45	89	65	75	119

Value-----	S1FEARN	S2FEARN	S3FEARN	S4FEARN	S5FEARN	S6FEARN	S7FEARN	S8FEARN	S9FEARN	S10FEARN
0.no income	2924	6894	7294	8455	7983	7588	7816	7513	7031	6496
1.no imputations	6089	5192	4128	4797	4035	3272	4319	3598	3128	2462
2.some imputation	1171	1483	825	1078	930	963	1141	889	790	622
8.no Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	103	86	185	93	36	77	52	62	92

Value-----	R1FWAGE	R2FWAGE	R3FWAGE	R4FWAGE	R5FWAGE	R6FWAGE	R7FWAGE	R8FWAGE	R9FWAGE	R10FWAGE
.Q=Not asked this wv		8222								
1.continuous value	7432	5757	5206	6094	5292	4336	5720	4783	4220	3337
2.complete bracket		892	681	888	656	554	748	603	534	404
3.incomplete bracket		31	32	64	60	41	60	43	49	46
5.no value/bracket	875	274	215	306	314	374	489	386	304	227
6.no income	4135	4304	11708	13756	13054	12556	12928	12522	11961	11148
7.DK if income	115	38	23	69	66	259	95	67	74	91
9.no Fin Resp	95	124	126	207	137	45	89	65	75	119

Value-----	S1FWAGE	S2FWAGE	S3FWAGE	S4FWAGE	S5FWAGE	S6FWAGE	S7FWAGE	S8FWAGE	S9FWAGE	S10FWAGE
.Q=Not asked this wv		4549								
.U=Unmar		3673								
1.continuous value	5970	4625	4022	4656	3968	3204	4222	3518	3048	2390
2.complete bracket		718	507	625	473	422	530	416	382	260
3.incomplete bracket		29	22	46	48	28	41	33	44	41
5.no value/bracket	731	231	182	243	249	281	386	294	245	183
6.no income	3367	3382	7494	8699	8154	7727	8009	7684	7173	6640

9.no Fin Resp	|	10
Value-----	|	S2FEARN
.Q=Not asked this wv	|	9123
.U=Unmar	|	2297
1.continuous value	|	563
5.no value/bracket	|	123
6.no income	|	3663
7.DK if income	|	196
8.No spouse/partner	|	3673
9.no Fin Resp	|	4

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-reported respondent income is assigned as the spouse income.

How Constructed:

For the HRS sample, R_wIEARN 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. R_wIFEARN is a flag that indicates whether any components are imputed. A '1.continuous value' indicates that the respondent reports actual values and no imputed values are included in the sum.

R_wFWAGE, R_wFBON, R_wF2ND, R_wFTRAD, and R₂FEARN indicate whether the component is imputed, and if so, how much information is available for imputation to use.

For the HRS sample, S_wIEARN 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. S_wIFEARN is a flag that indicates whether any components are imputed.

SwFWAGE, SwFBON, SwF2ND, SwFTRAD, and S2FEARN indicate whether the component is imputed, and if so, how much information is available for imputation to use.

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, R2FBON, S2FBON, R2FTRAD, S2FTRAD, R2FWAGE, S2FWAGE, R2F2ND, S2F2ND, R3F2ND, and S3F2ND are set to .Q to indicate that the corresponding income components are not available in Waves 2A and 3A. For HRS entry cohort respondents, R2FEARN and S2FEARN are set to .Q to indicate that the corresponding income components are not available in Waves 2H and 3H.

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 no questions 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 doesn't 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 R2FBON, S2FBON, R2FTRAD, S2FTRAD, R2FWAGE, S2FWAGE, R2F2ND, S2F2ND, R3F2ND, and S3F2ND are not available.

For HRS respondents in Waves 2H and 3H, the income components corresponding to imputation flags R2FEARN and S2FEARN are not available.

HRS Variables Used

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
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
 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
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, BONUSSES, COMMISSION LCYEAR
E3897	J11A.R HOW MUCH TIPS, BONUSSES, 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
 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, BONUSSES, COMMISSION LCYEAR
F4690	J19A.SP HOW MUCH TIPS, BONUSSES, 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/BONUSSES/COMMISSION LCY
G5097	J11A.R AMT TIPS/BONUS/COMMISSION-LCY
G5098	J11B.R DK-5000
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
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
 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
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
MQ063 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

Household Capital Income

Wave	Variable	Label	Type
1	H1ICAP	H1ICAP:W1 Income:HHold Capital Income	Cont
2	H2ICAP	H2ICAP:W2 Income:HHold Capital Income	Cont
3	H3ICAP	H3ICAP:W3 Income:HHold Capital Income	Cont
4	H4ICAP	H4ICAP:W4 Income:HHold Capital Income	Cont
5	H5ICAP	H5ICAP:W5 Income:HHold Capital Income	Cont
6	H6ICAP	H6ICAP:W6 Income:HHold Capital Income	Cont
7	H7ICAP	H7ICAP:W7 Income:HHold Capital Income	Cont
8	H8ICAP	H8ICAP:W8 Income:HHold Capital Income	Cont
9	H9ICAP	H9ICAP:W9 Income:HHold Capital Income	Cont
10	H10ICAP	H10ICAP:W10 Income:HHold Capital Income	Cont
1	H1IFCAP	H1IFCAP:W1 IncFlag:Household Capital Inc	Categ
2	H2IFCAP	H2IFCAP:W2 IncFlag:Household Capital Inc	Categ
3	H3IFCAP	H3IFCAP:W3 IncFlag:Household Capital Inc	Categ
4	H4IFCAP	H4IFCAP:W4 IncFlag:Household Capital Inc	Categ
5	H5IFCAP	H5IFCAP:W5 IncFlag:Household Capital Inc	Categ
6	H6IFCAP	H6IFCAP:W6 IncFlag:Household Capital Inc	Categ
7	H7IFCAP	H7IFCAP:W7 IncFlag:Household Capital Inc	Categ
8	H8IFCAP	H8IFCAP:W8 IncFlag:Household Capital Inc	Categ
9	H9IFCAP	H9IFCAP:W9 IncFlag:Household Capital Inc	Categ
10	H10IFCAP	H10IFCAP:W10 IncFlag:Household Capital Inc	Categ
1	H1FBUSIN	H1FBUSIN:W1 ImpFlag-Business Inc	Categ
2	H2FBUSIN	H2FBUSIN:W2 ImpFlag-Business Inc	Categ
3	H3FBUSIN	H3FBUSIN:W3 ImpFlag-Business Inc	Categ
4	H4FBUSIN	H4FBUSIN:W4 ImpFlag-Business Inc	Categ
5	H5FBUSIN	H5FBUSIN:W5 ImpFlag-Business Inc	Categ
6	H6FBUSIN	H6FBUSIN:W6 ImpFlag-Business Inc	Categ
7	H7FBUSIN	H7FBUSIN:W7 ImpFlag-Business Inc	Categ
8	H8FBUSIN	H8FBUSIN:W8 ImpFlag-Business Inc	Categ
9	H9FBUSIN	H9FBUSIN:W9 ImpFlag-Business Inc	Categ
10	H10FBUSIN	H10FBUSIN:W10 ImpFlag-Business Inc	Categ
1	H1FRNTIN	H1FRNTIN:W1 ImpFlag-Rental Inc	Categ
2	H2FRNTIN	H2FRNTIN:W2 ImpFlag-Rental Inc	Categ
3	H3FRNTIN	H3FRNTIN:W3 ImpFlag-Rental Inc	Categ
4	H4FRNTIN	H4FRNTIN:W4 ImpFlag-Rental Inc	Categ
5	H5FRNTIN	H5FRNTIN:W5 ImpFlag-Rental Inc	Categ
6	H6FRNTIN	H6FRNTIN:W6 ImpFlag-Rental Inc	Categ
7	H7FRNTIN	H7FRNTIN:W7 ImpFlag-Rental Inc	Categ
8	H8FRNTIN	H8FRNTIN:W8 ImpFlag-Rental Inc	Categ
9	H9FRNTIN	H9FRNTIN:W9 ImpFlag-Rental Inc	Categ
10	H10FRNTIN	H10FRNTIN:W10 ImpFlag-Rental Inc	Categ
2	H2FRNT1	H2FRNT1:W2 ImpFlag-Rental #1 Inc	Categ
2	H2FRNT2	H2FRNT2:W2 ImpFlag-Rental #2 Inc	Categ
1	H1FRNTEX	H1FRNTEX:W1 ImpFlag-Rental Exp Inc	Categ
2	H2FRNTEX	H2FRNTEX:W2 ImpFlag-Rental Exp Inc	Categ
1	H1FTRSIN	H1FTRSIN:W1 ImpFlag-Trust Inc	Categ
2	H2FTRSIN	H2FTRSIN:W2 ImpFlag-Trust Inc	Categ
3	H3FTRSIN	H3FTRSIN:W3 ImpFlag-Trust Inc	Categ
4	H4FTRSIN	H4FTRSIN:W4 ImpFlag-Trust Inc	Categ
5	H5FTRSIN	H5FTRSIN:W5 ImpFlag-Trust Inc	Categ
6	H6FTRSIN	H6FTRSIN:W6 ImpFlag-Trust Inc	Categ

2	H2FTRS1	H2FTRS1:W2 ImpFlag-Trust #1 Inc	Categ
2	H2FTRS2	H2FTRS2:W2 ImpFlag-Trust #2 Inc	Categ
1	H1FDIVIN	H1FDIVIN:W1 ImpFlag-Dividend Inc	Categ
2	H2FDIVIN	H2FDIVIN:W2 ImpFlag-Dividend Inc	Categ
3	H3FDIVIN	H3FDIVIN:W3 ImpFlag-Dividend Inc	Categ
4	H4FDIVIN	H4FDIVIN:W4 ImpFlag-Dividend Inc	Categ
5	H5FDIVIN	H5FDIVIN:W5 ImpFlag-Dividend Inc	Categ
6	H6FDIVIN	H6FDIVIN:W6 ImpFlag-Dividend Inc	Categ
7	H7FDIVIN	H7FDIVIN:W7 ImpFlag-Dividend Inc	Categ
8	H8FDIVIN	H8FDIVIN:W8 ImpFlag-Dividend Inc	Categ
9	H9FDIVIN	H9FDIVIN:W9 ImpFlag-Dividend Inc	Categ
10	H10FDIVIN	H10FDIVIN:W10 ImpFlag-Dividend Inc	Categ
3	H3FBNDIN	H3FBNDIN:W3 ImpFlag-Bonds Income	Categ
4	H4FBNDIN	H4FBNDIN:W4 ImpFlag-Bonds Income	Categ
5	H5FBNDIN	H5FBNDIN:W5 ImpFlag-Bonds Income	Categ
6	H6FBNDIN	H6FBNDIN:W6 ImpFlag-Bonds Income	Categ
7	H7FBNDIN	H7FBNDIN:W7 ImpFlag-Bonds Income	Categ
8	H8FBNDIN	H8FBNDIN:W8 ImpFlag-Bonds Income	Categ
9	H9FBNDIN	H9FBNDIN:W9 ImpFlag-Bonds Income	Categ
10	H10FBNDIN	H10FBNDIN:W10 ImpFlag-Bonds Income	Categ
2	H2FSTK1	H2FSTK1:W2 ImpFlag-Stocks #1 Inc	Categ
2	R2FSTK1	R2FSTK1:W2 ImpFlag-Stock #1 Inc	Categ
2	S2FSTK1	S2FSTK1:W2 ImpFlag-Stock #1 Inc	Categ
2	H2FSTK2	H2FSTK2:W2 ImpFlag-Stocks #2 Inc	Categ
2	R2FSTK2	R2FSTK2:W2 ImpFlag-Stock #2 Inc	Categ
2	S2FSTK2	S2FSTK2:W2 ImpFlag-Stock #2 Inc	Categ
2	R2FSTK3	R2FSTK3:W2 ImpFlag-Stock #3 Inc	Categ
2	S2FSTK3	S2FSTK3:W2 ImpFlag-Stock #3 Inc	Categ
3	H3FCHKIN	H3FCHKIN:W3 ImpFlag-Chk/Sv Interest Inco	Categ
4	H4FCHKIN	H4FCHKIN:W4 ImpFlag-Chk/Sv Interest Inco	Categ
5	H5FCHKIN	H5FCHKIN:W5 ImpFlag-Chk/Sv Interest Income	Categ
6	H6FCHKIN	H6FCHKIN:W6 ImpFlag-Chk/Sv Interest Income	Categ
7	H7FCHKIN	H7FCHKIN:W7 ImpFlag-Chk/Sv Interest Income	Categ
8	H8FCHKIN	H8FCHKIN:W8 ImpFlag-Chk/Sv Interest Income	Categ
9	H9FCHKIN	H9FCHKIN:W9 ImpFlag-Chk/Sv Interest Income	Categ
10	H10FCHKIN	H10FCHKIN:W10 ImpFlag-Chk/Sv Interest Income	Categ
2	H2FSAV1	H2FSAV1:W2 ImpFlag-Savings #1 Inc	Categ
2	H2FSAV2	H2FSAV2:W2 ImpFlag-Savings #2 Inc	Categ
3	H3FCDIN	H3FCDIN:W3 ImpFlag-CD Income	Categ
4	H4FCDIN	H4FCDIN:W4 ImpFlag-CD Income	Categ
5	H5FCDIN	H5FCDIN:W5 ImpFlag-CD Income	Categ
6	H6FCDIN	H6FCDIN:W6 ImpFlag-CD Income	Categ
7	H7FCDIN	H7FCDIN:W7 ImpFlag-CD Income	Categ
8	H8FCDIN	H8FCDIN:W8 ImpFlag-CD Income	Categ
9	H9FCDIN	H9FCDIN:W9 ImpFlag-CD Income	Categ
10	H10FCDIN	H10FCDIN:W10 ImpFlag-CD Income	Categ

2	R2FIRA1	R2FIRA1:W2 ImpFlag-IRA #1 Inc	Categ
2	S2FIRA1	S2FIRA1:W2 ImpFlag-IRA #1 Inc	Categ
2	R2FIRA2	R2FIRA2:W2 ImpFlag-IRA #2 Inc	Categ
2	S2FIRA2	S2FIRA2:W2 ImpFlag-IRA #2 Inc	Categ
3	H3FOTHI1	H3FOTHI1:W3 ImpFlag-Other HH Inc #1	Categ
4	H4FOTHI1	H4FOTHI1:W4 ImpFlag-Other HH Inc #1	Categ
5	H5FOTHI1	H5FOTHI1:W5 ImpFlag-Other HH Inc #1	Categ
6	H6FOTHI1	H6FOTHI1:W6 ImpFlag-Other HH Inc #1	Categ
7	H7FOTHI1	H7FOTHI1:W7 ImpFlag-Other HH Inc #1	Categ
8	H8FOTHI1	H8FOTHI1:W8 ImpFlag-Other HH Inc #1	Categ
9	H9FOTHI1	H9FOTHI1:W9 ImpFlag-Other HH Inc #1	Categ
10	H10FOTHI1	H10FOTHI1:W10 ImpFlag-Other HH Inc #1	Categ
2	H2FOTHI4	H2FOTHI4:W2 ImpFlag-Other HH Inc #4	Categ
2	H2FOTHI5	H2FOTHI5:W2 ImpFlag-Other HH Inc #5	Categ
2	H2FSFEMP	H2FSFEMP:W2 ImpFlag-Inc from self employmt	Categ
3	R3FSEMP	R3FSEMP:W3 ImpFlag-Self Employment Inc	Categ
4	R4FSEMP	R4FSEMP:W4 ImpFlag-Self Employment Inc	Categ
5	R5FSEMP	R5FSEMP:W5 ImpFlag-Self Employment Inc	Categ
6	R6FSEMP	R6FSEMP:W6 ImpFlag-Self Employment Inc	Categ
7	R7FSEMP	R7FSEMP:W7 ImpFlag-Self Employment Inc	Categ
8	R8FSEMP	R8FSEMP:W8 ImpFlag-Self Employment Inc	Categ
9	R9FSEMP	R9FSEMP:W9 ImpFlag-Self Employment Inc	Categ
10	R10FSEMP	R10FSEMP:W10 ImpFlag-Self Employment Inc	Categ
3	S3FSEMP	S3FSEMP:W3 ImpFlag-Self Employment Inc	Categ
4	S4FSEMP	S4FSEMP:W4 ImpFlag-Self Employment Inc	Categ
5	S5FSEMP	S5FSEMP:W5 ImpFlag-Self Employment Inc	Categ
6	S6FSEMP	S6FSEMP:W6 ImpFlag-Self Employment Inc	Categ
7	S7FSEMP	S7FSEMP:W7 ImpFlag-Self Employment Inc	Categ
8	S8FSEMP	S8FSEMP:W8 ImpFlag-Self Employment Inc	Categ
9	S9FSEMP	S9FSEMP:W9 ImpFlag-Self Employment Inc	Categ
10	S10FSEMP	S10FSEMP:W10 ImpFlag-Self Employment Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ICAP	12652	5287.84	20809.76	0.0	515500.0
H2ICAP	19642	8112.74	44233.89	0.0	3224859.7
H3ICAP	17991	12789.37	48247.77	0.0	2939952.9
H4ICAP	21384	13457.17	89441.80	0.0	7797767.0
H5ICAP	19579	13952.42	54516.43	0.0	3365000.0
H6ICAP	18165	12509.14	71707.00	0.0	7331325.0
H7ICAP	20129	13018.55	60060.70	0.0	3532388.0
H8ICAP	18469	17436.38	279612.45	0.0	25360026.0
H9ICAP	17217	15046.85	61883.33	0.0	3000480.0
H10ICAP	15372	11872.73	66191.46	0.0	6180000.0
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	15372	1.00	1.08	0.0	9.0
H1FBUSIN	12652	5.74	1.19	1.0	9.0
H2FBUSIN	11420	5.64	1.36	1.0	9.0
H3FBUSIN	17991	5.81	1.02	1.0	9.0
H4FBUSIN	21384	5.94	0.72	1.0	9.0
H5FBUSIN	19579	5.94	0.67	1.0	9.0
H6FBUSIN	18165	5.89	0.77	1.0	9.0
H7FBUSIN	20129	5.89	0.80	1.0	9.0
H8FBUSIN	18469	5.72	1.17	1.0	9.0
H9FBUSIN	17217	5.73	1.15	1.0	9.0
H10FBUSIN	15372	5.75	1.17	1.0	9.0
H1FRNTIN	12652	5.45	1.63	1.0	9.0
H2FRNTIN	11420	5.43	1.64	1.0	9.0
H3FRNTIN	17991	5.50	1.54	1.0	9.0
H4FRNTIN	21384	5.59	1.46	1.0	9.0
H5FRNTIN	19579	5.58	1.44	1.0	9.0
H6FRNTIN	18165	5.63	1.34	1.0	9.0
H7FRNTIN	20129	5.67	1.28	1.0	9.0
H8FRNTIN	18469	5.67	1.27	1.0	9.0
H9FRNTIN	17217	5.72	1.21	1.0	9.0
H10FRNTIN	15372	5.72	1.24	1.0	9.0
H2FRNT1	8222	5.75	1.20	1.0	9.0
H2FRNT2	8222	6.04	0.27	1.0	9.0
H1FRNTEX	12652	5.94	0.86	1.0	9.0
H2FRNTEX	11420	5.96	0.68	1.0	9.0
H1FTRSIN	12652	5.98	0.60	1.0	9.0
H2FTRSIN	11420	5.98	0.59	1.0	9.0
H3FTRSIN	17991	5.96	0.64	1.0	9.0
H4FTRSIN	21384	5.97	0.65	1.0	9.0
H5FTRSIN	19579	5.96	0.63	1.0	9.0
H6FTRSIN	18165	5.95	0.62	1.0	9.0
H2FTRS1	8222	5.99	0.54	1.0	9.0
H2FTRS2	8222	6.04	0.22	6.0	9.0
H1FDIVIN	12652	4.62	2.22	1.0	9.0
H2FDIVIN	11420	4.72	2.14	1.0	9.0
H3FDIVIN	17991	4.92	1.98	1.0	9.0
H4FDIVIN	21384	5.05	1.93	1.0	9.0
H5FDIVIN	19579	5.07	1.90	1.0	9.0
H6FDIVIN	18165	5.21	1.76	1.0	9.0
H7FDIVIN	20129	5.21	1.77	1.0	9.0
H8FDIVIN	18469	5.24	1.76	1.0	9.0
H9FDIVIN	17217	5.31	1.71	1.0	9.0
H10FDIVIN	15372	5.35	1.71	1.0	9.0
H3FBNDIN	17991	5.77	1.08	1.0	9.0
H4FBNDIN	21384	5.83	1.03	1.0	9.0
H5FBNDIN	19579	5.85	0.97	1.0	9.0
H6FBNDIN	18165	5.84	0.94	1.0	9.0
H7FBNDIN	20129	5.86	0.91	1.0	9.0
H8FBNDIN	18469	5.87	0.86	1.0	9.0

H9FBNDIN	17217	5.87	0.88	1.0	9.0
H10FBNDIN	15372	5.88	0.93	1.0	9.0
H2FSTK1	8222	5.54	1.49	1.0	9.0
R2FSTK1	8222	5.88	0.86	1.0	9.0
S2FSTK1	8222	6.83	1.23	1.0	9.0
H2FSTK2	8222	6.02	0.41	1.0	9.0
R2FSTK2	8222	6.01	0.24	1.0	9.0
S2FSTK2	8222	6.90	1.00	1.0	9.0
R2FSTK3	8222	6.02	0.18	1.0	9.0
S2FSTK3	8222	6.91	0.99	1.0	9.0
H3FCHKIN	17991	3.58	2.30	1.0	9.0
H4FCHKIN	21384	3.84	2.33	1.0	9.0
H5FCHKIN	19579	3.96	2.30	1.0	9.0
H6FCHKIN	18165	4.11	2.24	1.0	9.0
H7FCHKIN	20129	4.09	2.28	1.0	9.0
H8FCHKIN	18469	4.14	2.26	1.0	9.0
H9FCHKIN	17217	4.17	2.28	1.0	9.0
H10FCHKIN	15372	4.22	2.35	1.0	9.0
H2FSAV1	8222	4.89	2.05	1.0	9.0
H2FSAV2	8222	6.01	0.48	1.0	9.0
H3FCDIN	17991	5.25	1.71	1.0	9.0
H4FCDIN	21384	5.33	1.69	1.0	9.0
H5FCDIN	19579	5.36	1.64	1.0	9.0
H6FCDIN	18165	5.43	1.53	1.0	9.0
H7FCDIN	20129	5.55	1.40	1.0	9.0
H8FCDIN	18469	5.43	1.54	1.0	9.0
H9FCDIN	17217	5.37	1.62	1.0	9.0
H10FCDIN	15372	5.51	1.53	1.0	9.0
R2FIRA1	8222	5.77	1.13	1.0	9.0
S2FIRA1	8222	6.72	1.50	1.0	9.0
R2FIRA2	8222	6.02	0.18	1.0	9.0
S2FIRA2	8222	6.91	0.99	1.0	9.0
H3FOTHI1	17991	5.93	0.71	1.0	9.0
H4FOTHI1	21384	5.97	0.67	1.0	9.0
H5FOTHI1	19579	5.97	0.60	1.0	9.0
H6FOTHI1	18165	5.97	0.56	1.0	9.0
H7FOTHI1	20129	5.96	0.64	1.0	9.0
H8FOTHI1	18469	5.95	0.63	1.0	9.0
H9FOTHI1	17217	5.97	0.59	1.0	9.0
H10FOTHI1	15372	5.98	0.64	1.0	9.0
H2FOTHI4	8222	5.87	0.94	1.0	9.0
H2FOTHI5	8222	6.04	0.26	1.0	9.0
H2FSFEMP	11420	5.53	1.51	1.0	9.0

R3FSEMP	17991	5.56	1.45	1.0	9.0
R4FSEMP	21384	5.57	1.45	1.0	9.0
R5FSEMP	19579	5.59	1.41	1.0	9.0
R6FSEMP	18165	5.64	1.32	1.0	9.0
R7FSEMP	20129	5.55	1.45	1.0	9.0
R8FSEMP	18469	5.58	1.40	1.0	9.0
R9FSEMP	17217	5.59	1.39	1.0	9.0
R10FSEMP	15372	5.62	1.37	1.0	9.0
S3FSEMP	17991	6.27	1.74	1.0	9.0
S4FSEMP	21384	6.32	1.72	1.0	9.0
S5FSEMP	19579	6.34	1.70	1.0	9.0
S6FSEMP	18165	6.41	1.63	1.0	9.0
S7FSEMP	20129	6.33	1.73	1.0	9.0
S8FSEMP	18469	6.37	1.70	1.0	9.0
S9FSEMP	17217	6.41	1.69	1.0	9.0
S10FSEMP	15372	6.47	1.65	1.0	9.0

Categorical Variable Codes

Value-----	H1IFCAP	H2IFCAP	H3IFCAP	H4IFCAP	H5IFCAP	H6IFCAP	H7IFCAP	H8IFCAP	H9IFCAP	H10IFCAP
0.no income	6715	9829	4894	5841	5581	5382	6391	5986	5774	5595
1.no imputations	3995	6223	5183	5853	5094	4057	5425	4796	4738	5023
2.some imputation	1847	3456	7788	9483	8767	8681	8224	7622	6630	4635
9.no Fin Resp	95	134	126	207	137	45	89	65	75	119

Value-----	H1FBUSIN	H2FBUSIN	H3FBUSIN	H4FBUSIN	H5FBUSIN	H6FBUSIN	H7FBUSIN	H8FBUSIN	H9FBUSIN	H10FBUSIN
.Q=Not asked this wv		8222								
1.continuous value	700	739	652	326	270	394	435	949	858	757
2.complete bracket		162	119	61	46	37	74	123	94	100
3.incomplete bracket		19	9	8	7	2	6	15	17	15
5.no value/bracket	199	67	79	59	59	74	98	193	174	111
6.no income	11478	10269	16978	20590	18956	17520	19334	17056	15915	14163
7.DK if income	180	40	28	133	104	93	93	68	84	107
9.no Fin Resp	95	124	126	207	137	45	89	65	75	119

Value-----	H1FRNTIN	H2FRNTIN	H3FRNTIN	H4FRNTIN	H5FRNTIN	H6FRNTIN	H7FRNTIN	H8FRNTIN	H9FRNTIN	H10FRNTIN
.Q=Not asked this wv		8222								
1.continuous value	1453	1227	1724	1799	1612	1340	1325	1187	984	903
2.complete bracket		157	168	124	125	54	70	74	54	58
3.incomplete bracket		18	15	6	19	8	3	14	5	9
5.no value/bracket	197	71	89	113	113	124	143	97	110	69
6.no income	10720	9798	15855	18983	17452	16449	18359	16923	15856	14062
7.DK if income	187	25	14	152	121	145	140	109	133	152
9.no Fin Resp	95	124	126	207	137	45	89	65	75	119

Value-----	H2FRNT1
.Q=Not asked this wv	11420
1.continuous value	472
5.no value/bracket	67
6.no income	7327
7.DK if income	346
9.no Fin Resp	10

Value-----	H2FRNT2
.Q=Not asked this wv	11420
1.continuous value	8
5.no value/bracket	2
6.no income	7888
7.DK if income	314
9.no Fin Resp	10

Value-----	H1FRNTEX	H2FRNTEX
.Q=Not asked this wv		8222
1.continuous value	317	158
5.no value/bracket	92	99
6.no income	11560	10976

6.no income	7846								
7.DK if income	321								
9.no Fin Resp	10								
Value-----	R2FSTK2								
.Q=Not asked this wv	11420								
1.continuous value	10								
5.no value/bracket	4								
6.no income	8084								
7.DK if income	114								
9.no Fin Resp	10								
Value-----	S2FSTK2								
.Q=Not asked this wv	9123								
.U=Unmar	2297								
1.continuous value	5								
5.no value/bracket	3								
6.no income	4440								
7.DK if income	97								
8.No spouse/partner	3673								
9.no Fin Resp	4								
Value-----	R2FSTK3								
.Q=Not asked this wv	11420								
1.continuous value	2								
6.no income	8096								
7.DK if income	114								
9.no Fin Resp	10								
Value-----	S2FSTK3								
.Q=Not asked this wv	9123								
.U=Unmar	2297								
1.continuous value	1								
6.no income	4448								
7.DK if income	96								
8.No spouse/partner	3673								
9.no Fin Resp	4								
Value-----	H3FCHKIN	H4FCHKIN	H5FCHKIN	H6FCHKIN	H7FCHKIN	H8FCHKIN	H9FCHKIN	H10FCHKIN	
1.continuous value	5055	5495	4682	3892	4739	4280	4143	4169	
2.complete bracket	4409	4576	3958	3406	3451	2972	2491	1573	
3.incomplete bracket	171	153	157	113	122	138	143	134	
5.no value/bracket	794	1460	1514	1963	1629	1673	1350	755	
6.no income	7204	8649	8297	7841	9373	8603	8277	7995	
7.DK if income	232	844	834	905	726	738	738	627	
9.no Fin Resp	126	207	137	45	89	65	75	119	
Value-----	H2FSAV1								
.Q=Not asked this wv	11420								
1.continuous value	1736								
5.no value/bracket	770								
6.no income	5375								
7.DK if income	331								
9.no Fin Resp	10								
Value-----	H2FSAV2								
.Q=Not asked this wv	11420								
1.continuous value	59								
5.no value/bracket	16								
6.no income	7814								
7.DK if income	323								
9.no Fin Resp	10								
Value-----	H3FCDIN	H4FCDIN	H5FCDIN	H6FCDIN	H7FCDIN	H8FCDIN	H9FCDIN	H10FCDIN	
1.continuous value	1418	1661	1419	1093	1040	1243	1397	1153	
2.complete bracket	1564	1577	1339	1159	949	1020	906	536	
3.incomplete bracket	62	48	67	43	36	45	66	39	
5.no value/bracket	447	831	948	1026	855	937	834	372	
6.no income	14280	16408	14990	14077	16545	14550	13373	12627	
7.DK if income	94	652	679	722	615	609	566	526	
9.no Fin Resp	126	207	137	45	89	65	75	119	
Value-----	R2FIRA1								
.Q=Not asked this wv	11420								
1.continuous value	419								
5.no value/bracket	58								

6.no income	7496								
7.DK if income	239								
9.no Fin Resp	10								
Value-----	S2FIRA1								
.Q=Not asked this wv	9123								
.U=Unmar	2297								
1.continuous value	310								
5.no value/bracket	40								
6.no income	4024								
7.DK if income	171								
8.No spouse/partner	3673								
9.no Fin Resp	4								
Value-----	R2FIRA2								
.Q=Not asked this wv	11420								
1.continuous value	3								
5.no value/bracket	1								
6.no income	8094								
7.DK if income	114								
9.no Fin Resp	10								
Value-----	S2FIRA2								
.Q=Not asked this wv	9123								
.U=Unmar	2297								
1.continuous value	2								
6.no income	4447								
7.DK if income	96								
8.No spouse/partner	3673								
9.no Fin Resp	4								
Value-----	H3FOTH1	H4FOTH1	H5FOTH1	H6FOTH1	H7FOTH1	H8FOTH1	H9FOTH1	H10FOTH1	
1.continuous value	254	293	221	157	228	218	174	173	
2.complete bracket	96			55	75	57	35	36	
3.incomplete bracket	6			2	4	3	2	1	
5.no value/bracket	27	131	109	44	62	48	41	30	
6.no income	17446	20364	18807	17498	19314	17806	16615	14664	
7.DK if income	36	389	305	364	357	272	275	349	
9.no Fin Resp	126	207	137	45	89	65	75	119	
Value-----	H2FOTH4								
.Q=Not asked this wv	11420								
1.continuous value	274								
5.no value/bracket	51								
6.no income	7543								
7.DK if income	344								
9.no Fin Resp	10								
Value-----	H2FOTH5								
.Q=Not asked this wv	11420								
1.continuous value	6								
6.no income	7891								
7.DK if income	315								
9.no Fin Resp	10								
Value-----	H2FSFEMP								
.Q=Not asked this wv	8222								
1.continuous value	1001								
2.complete bracket	141								
3.incomplete bracket	24								
5.no value/bracket	60								
6.no income	10062								
7.DK if income	8								
9.no Fin Resp	124								
Value-----	R3FSEMP	R4FSEMP	R5FSEMP	R6FSEMP	R7FSEMP	R8FSEMP	R9FSEMP	R10FSEMP	
1.continuous value	1404	1631	1454	1188	1616	1383	1289	1081	
2.complete bracket	290	345	267	197	278	232	180	158	
3.incomplete bracket	30	40	32	20	36	15	28	17	
5.no value/bracket	92	136	145	151	201	177	143	115	
6.no income	16030	18968	17496	16323	17828	16536	15443	13805	
7.DK if income	19	57	48	241	81	61	59	77	
9.no Fin Resp	126	207	137	45	89	65	75	119	
Value-----	S3FSEMP	S4FSEMP	S5FSEMP	S6FSEMP	S7FSEMP	S8FSEMP	S9FSEMP	S10FSEMP	
1.continuous value	1121	1256	1139	921	1229	1063	964	791	

2.complete bracket	236	272	211	146	222	176	133	96
3.incomplete bracket	24	30	20	12	29	13	21	15
5.no value/bracket	78	108	111	112	165	139	113	95
6.no income	10772	12616	11425	10486	11557	10559	9674	8526
7.DK if income	16	49	42	146	74	50	44	57
8.No spouse/partner	5658	6868	6538	6306	6776	6417	6206	5700
9.no Fin Resp	86	185	93	36	77	52	62	92

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-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 plus 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 plus rental expenses.

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.

H8ICAP contains the same components as those described for H7ICAP. For income from business, however, there is a question that asks whether this income was reported earlier in the interview (KQ161). If yes, the amount from business income is still imputed (or kept if an amount is present), but is NOT included in H8ICAP, as it is assumed to be double-reported, usually as self-employment income. We will integrate this improvement to earlier waves (where relevant) in future data releases.

Variables in the form HwFvar indicate whether the component is imputed, and if so, how much information is available to impute from.

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, H2FBUSIN, H2FSFEMP, H2FRNTIN, H2FRNTEX, H2FDIVIN, and H2FTRSIN are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort respondents, R2FIRA1, S2FIRA1, R2FIRA2, S2FIRA2, R2FSTK1, S2FSTK1, R2FSTK2, S2FSTK2, R2FSTK3, S2FSTK3, H2FSAV1, H2FSAV2, H2FSTK1, H2FSTK2, H2FRNT1, H2FRNT2, H2FTRS1, H2FTRS2, H2FOTHI4, and H2FOTHI5 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, when it is asked of the financial respondent if they are currently self-employed, and appears to be ascertained at the household level as part of business income if the financial respondent is not currently self-employed, or if the spouse had self-employment income last calendar year. From Wave 3 forward, self-employment income is reported for the respondent and spouse separately. In Waves 1 and 2H, questions ask 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 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 doesn't 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 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 an income like pension 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 H2FBUSIN, H2FSFEMP, H2FRNTIN, H2FRNTEX, H2FDIVIN, and H2FTRSIN are not available.

For HRS respondents in Wave 2H, the income components corresponding to imputation flags R2FIRA1, S2FIRA1, R2FIRA2, S2FIRA2, R2FSTK1, S2FSTK1, R2FSTK2, S2FSTK2, R2FSTK3, S2FSTK3, H2FSAV1, H2FSAV2, H2FSTK1, H2FSTK2, H2FRNT1, H2FRNT2, H2FTRS1, H2FTRS2, H2FOTHI4, and H2FOTHI5 are not available.

HRS Variables Used

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
 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
 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. INVE INC END 92/3: LAST MO RECD-1
 B1598 J43c. INVE 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
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
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
D4365 J38G.STOCK INC DK-3
D4400 J42.BONDS INCOME
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
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
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
 F4025 GD1G. FIRST BEGIN-MONTH
 F4364 GJ64.AMOUNT OF EARNINGS WHEN LEFT-PER
 F4401 GJ84.HOURS WORK PER WEEK
 F4484 GJ119C.CHILD(REN) CHANGE WORK
 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
 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
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
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
G5111 J14B.SP DK-25000
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
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
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
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
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
 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
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

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
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
1	R1IFPENA	R1IFPENA:W1 IncFlag:R Pension + Annuity	Categ
2	R2IFPENA	R2IFPENA:W2 IncFlag:R Pension + Annuity	Categ
3	R3IFPENA	R3IFPENA:W3 IncFlag:R Pension + Annuity	Categ
4	R4IFPENA	R4IFPENA:W4 IncFlag:R Pension + Annuity	Categ
5	R5IFPENA	R5IFPENA:W5 IncFlag:R Pension + Annuity	Categ
6	R6IFPENA	R6IFPENA:W6 IncFlag:R Pension + Annuity	Categ
7	R7IFPENA	R7IFPENA:W7 IncFlag:R Pension + Annuity	Categ
8	R8IFPENA	R8IFPENA:W8 IncFlag:R Pension + Annuity	Categ
9	R9IFPENA	R9IFPENA:W9 IncFlag:R Pension + Annuity	Categ
10	R10IFPENA	R10IFPENA:W10 IncFlag:R Pension + Annuity	Categ
1	S1IFPENA	S1IFPENA:W1 IncFlag:Sp Pension + Annuity	Categ
2	S2IFPENA	S2IFPENA:W2 IncFlag:Sp Pension + Annuity	Categ
3	S3IFPENA	S3IFPENA:W3 IncFlag:Sp Pension + Annuity	Categ
4	S4IFPENA	S4IFPENA:W4 IncFlag:Sp Pension + Annuity	Categ
5	S5IFPENA	S5IFPENA:W5 IncFlag:Sp Pension + Annuity	Categ
6	S6IFPENA	S6IFPENA:W6 IncFlag:Sp Pension + Annuity	Categ
7	S7IFPENA	S7IFPENA:W7 IncFlag:Sp Pension + Annuity	Categ
8	S8IFPENA	S8IFPENA:W8 IncFlag:Sp Pension + Annuity	Categ
9	S9IFPENA	S9IFPENA:W9 IncFlag:Sp Pension + Annuity	Categ
10	S10IFPENA	S10IFPENA:W10 IncFlag:Sp Pension + Annuity	Categ
1	R1FPEN	R1FPEN:W1 ImpFlag-Pension Inc	Categ
1	S1FPEN	S1FPEN:W1 ImpFlag-Pension Inc	Categ
2	R2FPEN1	R2FPEN1:W2 ImpFlag-Pension #1 Inc	Categ
3	R3FPEN1	R3FPEN1:W3 ImpFlag-Pension #1 Inc	Categ
4	R4FPEN1	R4FPEN1:W4 ImpFlag-Pension #1 Inc	Categ
5	R5FPEN1	R5FPEN1:W5 ImpFlag-Pension #1 Inc	Categ
6	R6FPEN1	R6FPEN1:W6 ImpFlag-Pension #1 Inc	Categ
7	R7FPEN1	R7FPEN1:W7 ImpFlag-Pension #1 Inc	Categ
8	R8FPEN1	R8FPEN1:W8 ImpFlag-Pension #1 Inc	Categ
9	R9FPEN1	R9FPEN1:W9 ImpFlag-Pension #1 Inc	Categ
10	R10FPEN1	R10FPEN1:W10 ImpFlag-Pension #1 Inc	Categ

2	S2FPEN1	S2FPEN1:W2	ImpFlag-Pension #1	Inc	Categ
3	S3FPEN1	S3FPEN1:W3	ImpFlag-Pension #1	Inc	Categ
4	S4FPEN1	S4FPEN1:W4	ImpFlag-Pension #1	Inc	Categ
5	S5FPEN1	S5FPEN1:W5	ImpFlag-Pension #1	Inc	Categ
6	S6FPEN1	S6FPEN1:W6	ImpFlag-Pension #1	Inc	Categ
7	S7FPEN1	S7FPEN1:W7	ImpFlag-Pension #1	Inc	Categ
8	S8FPEN1	S8FPEN1:W8	ImpFlag-Pension #1	Inc	Categ
9	S9FPEN1	S9FPEN1:W9	ImpFlag-Pension #1	Inc	Categ
10	S10FPEN1	S10FPEN1:W10	ImpFlag-Pension #1	Inc	Categ
2	R2FPEN2	R2FPEN2:W2	ImpFlag-Pension #2	Inc	Categ
3	R3FPEN2	R3FPEN2:W3	ImpFlag-Pension #2	Inc	Categ
4	R4FPEN2	R4FPEN2:W4	ImpFlag-Pension #2	Inc	Categ
5	R5FPEN2	R5FPEN2:W5	ImpFlag-Pension #2	Inc	Categ
6	R6FPEN2	R6FPEN2:W6	ImpFlag-Pension #2	Inc	Categ
7	R7FPEN2	R7FPEN2:W7	ImpFlag-Pension #2	Inc	Categ
8	R8FPEN2	R8FPEN2:W8	ImpFlag-Pension #2	Inc	Categ
9	R9FPEN2	R9FPEN2:W9	ImpFlag-Pension #2	Inc	Categ
10	R10FPEN2	R10FPEN2:W10	ImpFlag-Pension #2	Inc	Categ
2	S2FPEN2	S2FPEN2:W2	ImpFlag-Pension #2	Inc	Categ
3	S3FPEN2	S3FPEN2:W3	ImpFlag-Pension #2	Inc	Categ
4	S4FPEN2	S4FPEN2:W4	ImpFlag-Pension #2	Inc	Categ
5	S5FPEN2	S5FPEN2:W5	ImpFlag-Pension #2	Inc	Categ
6	S6FPEN2	S6FPEN2:W6	ImpFlag-Pension #2	Inc	Categ
7	S7FPEN2	S7FPEN2:W7	ImpFlag-Pension #2	Inc	Categ
8	S8FPEN2	S8FPEN2:W8	ImpFlag-Pension #2	Inc	Categ
9	S9FPEN2	S9FPEN2:W9	ImpFlag-Pension #2	Inc	Categ
10	S10FPEN2	S10FPEN2:W10	ImpFlag-Pension #2	Inc	Categ
2	R2FPEN3	R2FPEN3:W2	ImpFlag-Pension #3	Inc	Categ
3	R3FPEN3	R3FPEN3:W3	ImpFlag-Pension #3	Inc	Categ
4	R4FPEN3	R4FPEN3:W4	ImpFlag-Pension #3	Inc	Categ
5	R5FPEN3	R5FPEN3:W5	ImpFlag-Pension #3	Inc	Categ
6	R6FPEN3	R6FPEN3:W6	ImpFlag-Pension #3	Inc	Categ
7	R7FPEN3	R7FPEN3:W7	ImpFlag-Pension #3	Inc	Categ
8	R8FPEN3	R8FPEN3:W8	ImpFlag-Pension #3	Inc	Categ
9	R9FPEN3	R9FPEN3:W9	ImpFlag-Pension #3	Inc	Categ
10	R10FPEN3	R10FPEN3:W10	ImpFlag-Pension #3	Inc	Categ
2	S2FPEN3	S2FPEN3:W2	ImpFlag-Pension #3	Inc	Categ
3	S3FPEN3	S3FPEN3:W3	ImpFlag-Pension #3	Inc	Categ
4	S4FPEN3	S4FPEN3:W4	ImpFlag-Pension #3	Inc	Categ
5	S5FPEN3	S5FPEN3:W5	ImpFlag-Pension #3	Inc	Categ
6	S6FPEN3	S6FPEN3:W6	ImpFlag-Pension #3	Inc	Categ
7	S7FPEN3	S7FPEN3:W7	ImpFlag-Pension #3	Inc	Categ
8	S8FPEN3	S8FPEN3:W8	ImpFlag-Pension #3	Inc	Categ
9	S9FPEN3	S9FPEN3:W9	ImpFlag-Pension #3	Inc	Categ
10	S10FPEN3	S10FPEN3:W10	ImpFlag-Pension #3	Inc	Categ
1	R1FANN	R1FANN:W1	ImpFlag-Annuity	Inc	Categ
1	S1FANN	S1FANN:W1	ImpFlag-Annuity	Inc	Categ
2	R2FANN1	R2FANN1:W2	ImpFlag-Annuity #1	Inc	Categ
3	R3FANN1	R3FANN1:W3	ImpFlag-Annuity #1	Inc	Categ
4	R4FANN1	R4FANN1:W4	ImpFlag-Annuity #1	Inc	Categ
5	R5FANN1	R5FANN1:W5	ImpFlag-Annuity #1	Inc	Categ
6	R6FANN1	R6FANN1:W6	ImpFlag-Annuity #1	Inc	Categ
7	R7FANN1	R7FANN1:W7	ImpFlag-Annuity #1	Inc	Categ
8	R8FANN1	R8FANN1:W8	ImpFlag-Annuity #1	Inc	Categ
9	R9FANN1	R9FANN1:W9	ImpFlag-Annuity #1	Inc	Categ

10	R10FANN1	R10FANN1:W10	ImpFlag-Annuity #1	Inc	Categ
2	S2FANN1	S2FANN1:W2	ImpFlag-Annuity #1	Inc	Categ
3	S3FANN1	S3FANN1:W3	ImpFlag-Annuity #1	Inc	Categ
4	S4FANN1	S4FANN1:W4	ImpFlag-Annuity #1	Inc	Categ
5	S5FANN1	S5FANN1:W5	ImpFlag-Annuity #1	Inc	Categ
6	S6FANN1	S6FANN1:W6	ImpFlag-Annuity #1	Inc	Categ
7	S7FANN1	S7FANN1:W7	ImpFlag-Annuity #1	Inc	Categ
8	S8FANN1	S8FANN1:W8	ImpFlag-Annuity #1	Inc	Categ
9	S9FANN1	S9FANN1:W9	ImpFlag-Annuity #1	Inc	Categ
10	S10FANN1	S10FANN1:W10	ImpFlag-Annuity #1	Inc	Categ
2	R2FANN2	R2FANN2:W2	ImpFlag-Annuity #2	Inc	Categ
3	R3FANN2	R3FANN2:W3	ImpFlag-Annuity #2	Inc	Categ
4	R4FANN2	R4FANN2:W4	ImpFlag-Annuity #2	Inc	Categ
5	R5FANN2	R5FANN2:W5	ImpFlag-Annuity #2	Inc	Categ
6	R6FANN2	R6FANN2:W6	ImpFlag-Annuity #2	Inc	Categ
7	R7FANN2	R7FANN2:W7	ImpFlag-Annuity #2	Inc	Categ
8	R8FANN2	R8FANN2:W8	ImpFlag-Annuity #2	Inc	Categ
9	R9FANN2	R9FANN2:W9	ImpFlag-Annuity #2	Inc	Categ
10	R10FANN2	R10FANN2:W10	ImpFlag-Annuity #2	Inc	Categ
2	S2FANN2	S2FANN2:W2	ImpFlag-Annuity #2	Inc	Categ
3	S3FANN2	S3FANN2:W3	ImpFlag-Annuity #2	Inc	Categ
4	S4FANN2	S4FANN2:W4	ImpFlag-Annuity #2	Inc	Categ
5	S5FANN2	S5FANN2:W5	ImpFlag-Annuity #2	Inc	Categ
6	S6FANN2	S6FANN2:W6	ImpFlag-Annuity #2	Inc	Categ
7	S7FANN2	S7FANN2:W7	ImpFlag-Annuity #2	Inc	Categ
8	S8FANN2	S8FANN2:W8	ImpFlag-Annuity #2	Inc	Categ
9	S9FANN2	S9FANN2:W9	ImpFlag-Annuity #2	Inc	Categ
10	S10FANN2	S10FANN2:W10	ImpFlag-Annuity #2	Inc	Categ
2	R2FANN3	R2FANN3:W2	ImpFlag-Annuity #3	Inc	Categ
3	R3FANN3	R3FANN3:W3	ImpFlag-Annuity #3	Inc	Categ
4	R4FANN3	R4FANN3:W4	ImpFlag-Annuity #3	Inc	Categ
5	R5FANN3	R5FANN3:W5	ImpFlag-Annuity #3	Inc	Categ
6	R6FANN3	R6FANN3:W6	ImpFlag-Annuity #3	Inc	Categ
7	R7FANN3	R7FANN3:W7	ImpFlag-Annuity #3	Inc	Categ
8	R8FANN3	R8FANN3:W8	ImpFlag-Annuity #3	Inc	Categ
9	R9FANN3	R9FANN3:W9	ImpFlag-Annuity #3	Inc	Categ
10	R10FANN3	R10FANN3:W10	ImpFlag-Annuity #3	Inc	Categ
2	S2FANN3	S2FANN3:W2	ImpFlag-Annuity #3	Inc	Categ
3	S3FANN3	S3FANN3:W3	ImpFlag-Annuity #3	Inc	Categ
4	S4FANN3	S4FANN3:W4	ImpFlag-Annuity #3	Inc	Categ
5	S5FANN3	S5FANN3:W5	ImpFlag-Annuity #3	Inc	Categ
6	S6FANN3	S6FANN3:W6	ImpFlag-Annuity #3	Inc	Categ
7	S7FANN3	S7FANN3:W7	ImpFlag-Annuity #3	Inc	Categ
8	S8FANN3	S8FANN3:W8	ImpFlag-Annuity #3	Inc	Categ
9	S9FANN3	S9FANN3:W9	ImpFlag-Annuity #3	Inc	Categ
10	S10FANN3	S10FANN3:W10	ImpFlag-Annuity #3	Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IPENA	12652	1145.62	4789.09	0.0	85000.0
R2IPENA	19642	2548.78	10709.31	0.0	480800.0
R3IPENA	17991	3016.16	12972.61	0.0	734400.0
R4IPENA	21384	3244.72	9444.39	0.0	300000.0
R5IPENA	19579	3916.14	13286.48	0.0	696240.0

R6IPENA	18165	4381.71	15609.66	0.0	1196388.0
R7IPENA	20129	4668.00	33503.64	0.0	2748372.0
R8IPENA	18469	4751.94	19724.18	0.0	1390440.0
R9IPENA	17217	8732.94	457812.31	0.0	6000000.0
R10IPENA	15372	5266.43	47239.69	0.0	5401560.0
S1IPENA	10279	1210.61	4914.09	0.0	85000.0
S2IPENA	13672	2658.91	11163.85	0.0	459600.0
S3IPENA	12333	3067.06	12963.45	0.0	734400.0
S4IPENA	14515	3152.11	9039.93	0.0	225000.0
S5IPENA	13041	3884.40	13452.90	0.0	696240.0
S6IPENA	11859	4439.38	17180.38	0.0	1196388.0
S7IPENA	13353	4600.46	32249.14	0.0	2160000.0
S8IPENA	12052	4612.71	20377.33	0.0	1390440.0
S9IPENA	11011	5678.60	70750.09	0.0	7200000.0
S10IPENA	9672	4762.28	16898.29	0.0	912960.0
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	15372	0.43	0.97	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	15372	3.22	3.76	0.0	9.0
R1FPEN	12652	5.61	1.41	1.0	9.0
S1FPEN	12652	6.05	1.60	1.0	9.0
R2FPEN1	19642	5.02	2.02	1.0	9.0
R3FPEN1	17991	4.83	2.14	1.0	9.0
R4FPEN1	21384	4.84	2.14	1.0	9.0
R5FPEN1	19579	4.70	2.21	1.0	9.0
R6FPEN1	18165	4.68	2.19	1.0	9.0
R7FPEN1	20129	4.84	2.11	1.0	9.0
R8FPEN1	18469	4.79	2.14	1.0	9.0
R9FPEN1	17217	4.77	2.16	1.0	9.0
R10FPEN1	15372	4.87	2.12	1.0	9.0
S2FPEN1	19642	5.98	2.12	1.0	9.0
S3FPEN1	17991	5.89	2.23	1.0	9.0
S4FPEN1	21384	5.95	2.21	1.0	9.0
S5FPEN1	19579	5.90	2.28	1.0	9.0
S6FPEN1	18165	5.93	2.28	1.0	9.0
S7FPEN1	20129	6.00	2.17	1.0	9.0
S8FPEN1	18469	6.00	2.21	1.0	9.0
S9FPEN1	17217	6.03	2.22	1.0	9.0
S10FPEN1	15372	6.13	2.15	1.0	9.0

R2FPEN2	19642	5.97	0.61	1.0	9.0
R3FPEN2	17991	5.90	0.82	1.0	9.0
R4FPEN2	21384	5.91	0.84	1.0	9.0
R5FPEN2	19579	5.88	0.88	1.0	9.0
R6FPEN2	18165	5.87	0.87	1.0	9.0
R7FPEN2	20129	5.87	0.89	1.0	9.0
R8FPEN2	18469	5.85	0.89	1.0	9.0
R9FPEN2	17217	5.84	0.92	1.0	9.0
R10FPEN2	15372	5.83	0.99	1.0	9.0
S2FPEN2	19642	6.59	1.07	1.0	9.0
S3FPEN2	17991	6.57	1.15	1.0	9.0
S4FPEN2	21384	6.61	1.15	1.0	9.0
S5FPEN2	19579	6.61	1.17	1.0	9.0
S6FPEN2	18165	6.63	1.18	1.0	9.0
S7FPEN2	20129	6.61	1.19	1.0	9.0
S8FPEN2	18469	6.63	1.18	1.0	9.0
S9FPEN2	17217	6.65	1.22	1.0	9.0
S10FPEN2	15372	6.67	1.24	1.0	9.0
R2FPEN3	19642	6.02	0.31	1.0	9.0
R3FPEN3	17991	6.02	0.35	1.0	9.0
R4FPEN3	21384	6.03	0.40	1.0	9.0
R5FPEN3	19579	6.02	0.38	1.0	9.0
R6FPEN3	18165	6.01	0.33	1.0	9.0
R7FPEN3	20129	6.01	0.34	1.0	9.0
R8FPEN3	18469	6.00	0.32	1.0	9.0
R9FPEN3	17217	5.99	0.36	1.0	9.0
R10FPEN3	15372	6.00	0.43	1.0	9.0
S2FPEN3	19642	6.62	0.95	1.0	9.0
S3FPEN3	17991	6.64	0.97	1.0	9.0
S4FPEN3	21384	6.67	0.98	1.0	9.0
S5FPEN3	19579	6.68	0.98	1.0	9.0
S6FPEN3	18165	6.70	0.98	1.0	9.0
S7FPEN3	20129	6.68	0.98	1.0	9.0
S8FPEN3	18469	6.70	0.99	1.0	9.0
S9FPEN3	17217	6.72	1.00	1.0	9.0
S10FPEN3	15372	6.75	1.02	1.0	9.0
R1FANN	12652	5.99	0.49	1.0	9.0
S1FANN	12652	6.37	0.90	1.0	9.0
R2FANN1	19642	5.94	0.73	1.0	9.0
R3FANN1	17991	5.92	0.77	1.0	9.0
R4FANN1	21384	5.91	0.84	1.0	9.0
R5FANN1	19579	5.90	0.82	1.0	9.0
R6FANN1	18165	5.88	0.84	1.0	9.0
R7FANN1	20129	5.89	0.83	1.0	9.0
R8FANN1	18469	5.86	0.91	1.0	9.0
R9FANN1	17217	5.85	0.94	1.0	9.0
R10FANN1	15372	5.85	0.99	1.0	9.0
S2FANN1	19642	6.58	1.10	1.0	9.0
S3FANN1	17991	6.58	1.12	1.0	9.0
S4FANN1	21384	6.61	1.14	1.0	9.0
S5FANN1	19579	6.62	1.14	1.0	9.0
S6FANN1	18165	6.64	1.17	1.0	9.0
S7FANN1	20129	6.63	1.14	1.0	9.0
S8FANN1	18469	6.63	1.20	1.0	9.0
S9FANN1	17217	6.66	1.21	1.0	9.0
S10FANN1	15372	6.67	1.25	1.0	9.0

R2FANN2	19642	6.02	0.30	1.0	9.0
R3FANN2	17991	6.01	0.43	1.0	9.0
R4FANN2	21384	6.02	0.46	1.0	9.0
R5FANN2	19579	6.02	0.42	1.0	9.0
R6FANN2	18165	6.00	0.41	1.0	9.0
R7FANN2	20129	6.00	0.43	1.0	9.0
R8FANN2	18469	5.98	0.44	1.0	9.0
R9FANN2	17217	5.98	0.44	1.0	9.0
R10FANN2	15372	5.99	0.48	1.0	9.0
S2FANN2	19642	6.63	0.94	1.0	9.0
S3FANN2	17991	6.64	0.98	1.0	9.0
S4FANN2	21384	6.67	0.99	1.0	9.0
S5FANN2	19579	6.68	0.98	1.0	9.0
S6FANN2	18165	6.70	0.99	1.0	9.0
S7FANN2	20129	6.68	0.99	1.0	9.0
S8FANN2	18469	6.69	1.01	1.0	9.0
S9FANN2	17217	6.72	1.02	1.0	9.0
S10FANN2	15372	6.75	1.03	1.0	9.0
R2FANN3	11420	6.03	0.33	1.0	9.0
R3FANN3	17991	6.02	0.33	1.0	9.0
R4FANN3	21384	6.03	0.38	1.0	9.0
R5FANN3	19579	6.03	0.34	1.0	9.0
R6FANN3	18165	6.02	0.28	1.0	9.0
R7FANN3	20129	6.02	0.30	1.0	9.0
R8FANN3	18469	6.00	0.28	1.0	9.0
R9FANN3	17217	6.01	0.28	1.0	9.0
R10FANN3	15372	6.01	0.37	1.0	9.0
S2FANN3	11420	6.43	0.84	1.0	9.0
S3FANN3	17991	6.64	0.96	1.0	9.0
S4FANN3	21384	6.67	0.97	1.0	9.0
S5FANN3	19579	6.69	0.96	1.0	9.0
S6FANN3	18165	6.71	0.97	1.0	9.0
S7FANN3	20129	6.69	0.96	1.0	9.0
S8FANN3	18469	6.70	0.97	1.0	9.0
S9FANN3	17217	6.73	0.98	1.0	9.0
S10FANN3	15372	6.75	1.00	1.0	9.0

Categorical Variable Codes

Value-----	R1IFPENA	R2IFPENA	R3IFPENA	R4IFPENA	R5IFPENA	R6IFPENA	R7IFPENA	R8IFPENA	R9IFPENA	R10IFPENA
0.no income	11235	14549	12682	15033	13220	12112	14175	12787	11817	10713
1.no imputations	1126	4070	4199	4789	4926	4640	4556	4445	4266	3537
2.some imputation	196	889	984	1355	1296	1368	1309	1172	1059	1003
9.no Fin Resp	95	134	126	207	137	45	89	65	75	119

Value-----	S1IFPENA	S2IFPENA	S3IFPENA	S4IFPENA	S5IFPENA	S6IFPENA	S7IFPENA	S8IFPENA	S9IFPENA	S10IFPENA
0.no income	9079	10359	9016	10633	9261	8309	9889	8741	7921	7052
1.no imputations	947	2622	2606	2876	2859	2688	2626	2560	2416	1954
2.some imputation	158	588	625	821	828	826	761	699	612	574
8.no Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	103	86	185	93	36	77	52	62	92

Value-----	R1FPEN
1.continuous value	1041
5.no value/bracket	110
6.no income	11340
7.DK if income	66
9.no Fin Resp	95

Value-----	S1FPEN

1.continuous value	881
5.no value/bracket	93
6.no income	9157
7.DK if income	53
8.No spouse/partner	2373
9.no Fin Resp	95

Value-----	R2FPEN1	R3FPEN1	R4FPEN1	R5FPEN1	R6FPEN1	R7FPEN1	R8FPEN1	R9FPEN1	R10FPEN1
1.continuous value	3880	4136	4683	4829	4498	4432	4258	4058	3331
2.complete bracket		106	433	327	293	283	244	204	201
3.incomplete bracket		13	47	56	49	34	37	41	50
5.no value/bracket	498	485	379	445	515	463	416	346	236
6.no income	14847	13001	15422	13582	12524	14627	13270	12314	11246
7.DK if income	283	124	213	203	241	201	179	179	189
9.no Fin Resp	134	126	207	137	45	89	65	75	119

Value-----	S2FPEN1	S3FPEN1	S4FPEN1	S5FPEN1	S6FPEN1	S7FPEN1	S8FPEN1	S9FPEN1	S10FPEN1
1.continuous value	2521	2578	2818	2819	2614	2561	2445	2294	1816
2.complete bracket		90	256	213	168	163	134	118	116
3.incomplete bracket		11	22	39	32	19	23	27	22
5.no value/bracket	303	280	246	296	318	287	272	208	155
6.no income	10537	9223	10851	9460	8544	10132	9022	8193	7360
7.DK if income	208	65	138	121	147	114	104	109	111
8.No spouse/partner	5970	5658	6868	6538	6306	6776	6417	6206	5700
9.no Fin Resp	103	86	185	93	36	77	52	62	92

Value-----	R2FPEN2	R3FPEN2	R4FPEN2	R5FPEN2	R6FPEN2	R7FPEN2	R8FPEN2	R9FPEN2	R10FPEN2
1.continuous value	240	428	502	537	509	584	549	555	552
2.complete bracket		12	35	35	35	27	30	27	24
3.incomplete bracket			4	5	4	1	4	3	4
5.no value/bracket	32	45	45	47	54	71	44	44	47
6.no income	19090	17271	20369	18614	17273	19158	17772	16509	14617
7.DK if income	146	109	222	204	245	199	5	4	9
9.no Fin Resp	134	126	207	137	45	89	65	75	119

Value-----	S2FPEN2	S3FPEN2	S4FPEN2	S5FPEN2	S6FPEN2	S7FPEN2	S8FPEN2	S9FPEN2	S10FPEN2
1.continuous value	164	247	266	270	265	306	262	278	270
2.complete bracket		9	20	21	18	16	16	16	12
3.incomplete bracket			1	2	3	1	2	1	2
5.no value/bracket	24	25	26	29	32	45	24	22	23
6.no income	13263	11907	13874	12506	11358	12797	11692	10630	9268
7.DK if income	118	59	144	120	147	111	4	2	5
8.No spouse/partner	5970	5658	6868	6538	6306	6776	6417	6206	5700
9.no Fin Resp	103	86	185	93	36	77	52	62	92

Value-----	R2FPEN3	R3FPEN3	R4FPEN3	R5FPEN3	R6FPEN3	R7FPEN3	R8FPEN3	R9FPEN3	R10FPEN3
1.continuous value	23	39	52	53	51	51	49	58	68
2.complete bracket						5	7	7	7
5.no value/bracket	2	4	11	15	7	11	7	14	9
6.no income	19351	17712	20892	19170	17817	19774	18336	17059	15160
7.DK if income	132	110	222	204	245	199	5	4	9
9.no Fin Resp	134	126	207	137	45	89	65	75	119

Value-----	S2FPEN3	S3FPEN3	S4FPEN3	S5FPEN3	S6FPEN3	S7FPEN3	S8FPEN3	S9FPEN3	S10FPEN3
1.continuous value	17	29	32	29	26	28	26	31	36
2.complete bracket						3	5	3	1
5.no value/bracket	1	2	6	9	4	8	3	7	4
6.no income	13440	12157	14149	12790	11646	13126	11962	10906	9534
7.DK if income	111	59	144	120	147	111	4	2	5
8.No spouse/partner	5970	5658	6868	6538	6306	6776	6417	6206	5700
9.no Fin Resp	103	86	185	93	36	77	52	62	92

Value-----	R1FANN
1.continuous value	85
5.no value/bracket	20
6.no income	12386
7.DK if income	66
9.no Fin Resp	95

Value-----	S1FANN
1.continuous value	66
5.no value/bracket	12
6.no income	10053
7.DK if income	53
8.No spouse/partner	2373
9.no Fin Resp	95

Value-----										
1.continuous value	R2FANN1	R3FANN1	R4FANN1	R5FANN1	R6FANN1	R7FANN1	R8FANN1	R9FANN1	R10FANN1	
2.complete bracket	360	354	443	416	435	458	534	537	496	
3.incomplete bracket		22	120	84	82	75	69	56	86	
5.no value/bracket		1	14	11	10	8	7	11	18	
6.no income	78	186	80	111	127	159	158	119	102	
7.DK if income	18792	17129	20214	18543	17137	19050	17370	16128	14248	
9.no Fin Resp	278	173	306	277	329	290	266	291	303	
	134	126	207	137	45	89	65	75	119	
Value-----										
1.continuous value	S2FANN1	S3FANN1	S4FANN1	S5FANN1	S6FANN1	S7FANN1	S8FANN1	S9FANN1	S10FANN1	
2.complete bracket	204	188	229	209	221	220	275	261	252	
3.incomplete bracket		21	52	46	48	29	37	24	38	
5.no value/bracket		1	5	3	1	3	3	4	6	
6.no income	48	122	54	68	67	88	74	61	56	
7.DK if income	13109	11820	13798	12453	11272	12774	11446	10426	9053	
8.No spouse/partner	208	95	193	169	214	162	165	173	175	
9.no Fin Resp	5970	5658	6868	6538	6306	6776	6417	6206	5700	
	103	86	185	93	36	77	52	62	92	
Value-----										
1.continuous value	R2FANN2	R3FANN2	R4FANN2	R5FANN2	R6FANN2	R7FANN2	R8FANN2	R9FANN2	R10FANN2	
2.complete bracket	17	79	80	65	78	91	99	96	86	
3.incomplete bracket		1	23	15	19	18	25	14	18	
5.no value/bracket			5	2	1	3	3	1	3	
6.no income	4	43	26	25	38	39	32	28	14	
7.DK if income	19333	17578	20721	19033	17658	19571	18217	16978	15113	
9.no Fin Resp	154	164	322	302	326	318	28	25	19	
	134	126	207	137	45	89	65	75	119	
Value-----										
1.continuous value	S2FANN2	S3FANN2	S4FANN2	S5FANN2	S6FANN2	S7FANN2	S8FANN2	S9FANN2	S10FANN2	
2.complete bracket	10	41	39	26	34	41	41	49	39	
3.incomplete bracket		1	9	9	7	4	16	4	5	
5.no value/bracket	4	23	15	8	12	19	18	16	10	
6.no income	13425	12091	14074	12727	11559	13045	11917	10873	9520	
7.DK if income	130	91	193	178	211	167	6	7	6	
8.No spouse/partner	5970	5658	6868	6538	6306	6776	6417	6206	5700	
9.no Fin Resp	103	86	185	93	36	77	52	62	92	
Value-----										
.Q=Not asked this wv	R2FANN3	R3FANN3	R4FANN3	R5FANN3	R6FANN3	R7FANN3	R8FANN3	R9FANN3	R10FANN3	
1.continuous value	8222									
2.complete bracket	5	27	33	27	22	24	27	23	36	
3.incomplete bracket					7	5	6	6	10	
5.no value/bracket	1	30	33	20	11	17	15	10	4	
6.no income	11254	17644	20789	19093	17754	19676	18326	17077	15184	
7.DK if income	36	164	322	302	326	318	28	25	19	
9.no Fin Resp	124	126	207	137	45	89	65	75	119	
Value-----										
.Q=Not asked this wv	S2FANN3	S3FANN3	S4FANN3	S5FANN3	S6FANN3	S7FANN3	S8FANN3	S9FANN3	S10FANN3	
.U=Unmar	4549									
1.continuous value	3673									
2.complete bracket	2	15	17	10	14	11	13	10	16	
3.incomplete bracket					1	1	2	2	1	
5.no value/bracket	1	19	17	9	4	9	8	6	3	
6.no income	8988	12122	14104	12751	11593	13088	11969	10924	9554	
7.DK if income	33	91	193	178	211	167	6	7	6	
8.No spouse/partner	2297	5658	6868	6538	6306	6776	6417	6206	5700	
9.no Fin Resp	99	86	185	93	36	77	52	62	92	

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-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. RwIFPENA is a flag that indicates whether any components are imputed.

SwIPENA is the sum of the spouse's income from all pensions and annuities. SwIFPENA is a flag that indicates whether any components are imputed.

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.

The Rwfvar flags indicate whether the components are imputed, and if so, how much information is available to impute from.

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, R2FANN3 and S2FANN3 are set to .Q to indicate that the corresponding income components are not available in Wave 2A.

Users should note that there is one respondent in Wave 9 (HHIDPN: 10013010) who reported receiving a (monthly) first pension (LQ220_1) of \$5,000,000. 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.

There is also one spouse (HHIDPN: 79230030) who reported receiving a (monthly) first pension (LQ246_1) of \$600,000. 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.

There is also one spouse (HHIDPN: 86508010) who reported receiving income from a third pension, but did not provide a specific amount. The amount that was imputed was \$43,222, which results in a yearly total of roughly \$520,000.

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 R or spouse first received the pension is asked for the first two pensions. The same is true for annuities.

Beginning in Wave 3H, if the respondent refuses or doesn't 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.

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 (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?) and amount (how much did you receive last [month/period/year] from that?) received, and when payments were stopped (what month did you stop receiving that?). There are no unfolding brackets for income in Wave 2A.

For AHEAD respondents in Wave 2A, the income components corresponding to imputation flags R2FANN3 and S2FANN3 are not available.

Beginning in Wave 10, if a respondent state he is currently receiving an annuity and that the amount received last month was zero, he was 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.

In Wave 10, a handful of cases were imputed as a non owner of a first pension or annuity and then was imputed as an owner of a second or third pension or annuity. This inconsistency will be corrected in the next release.

HRS Variables Used

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
 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

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
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 ANNUITY
 D4315 J35B.2ND (LARGEST) ANNUITY 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
 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
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
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
 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
 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
 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
 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
 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
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

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

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 Disability	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
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 Disability	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
1	R1IFSSDI	R1IFSSDI:W1 IncFlag:R SSI + SS Disability	Categ
2	R2IFSSDI	R2IFSSDI:W2 IncFlag:R SSI + SS Disability	Categ
3	R3IFSSDI	R3IFSSDI:W3 IncFlag:R SSI + SS Disability	Categ
4	R4IFSSDI	R4IFSSDI:W4 IncFlag:R SSI + SS Disability	Categ
5	R5IFSSDI	R5IFSSDI:W5 IncFlag:R SSI + SS Disability	Categ
6	R6IFSSDI	R6IFSSDI:W6 IncFlag:R SSI + SS Disability	Categ
7	R7IFSSDI	R7IFSSDI:W7 IncFlag:R SSI + SS Disability	Categ
8	R8IFSSDI	R8IFSSDI:W8 IncFlag:R SSI + SS Disability	Categ
9	R9IFSSDI	R9IFSSDI:W9 IncFlag:R SSI + SS Disability	Categ
10	R10IFSSDI	R10IFSSDI:W10 IncFlag:R SSI + SS Disability	Categ
1	S1IFSSDI	S1IFSSDI:W1 IncFlag:Sp SSI + SS Disability	Categ
2	S2IFSSDI	S2IFSSDI:W2 IncFlag:Sp SSI + SS Disability	Categ
3	S3IFSSDI	S3IFSSDI:W3 IncFlag:Sp SSI + SS Disability	Categ
4	S4IFSSDI	S4IFSSDI:W4 IncFlag:Sp SSI + SS Disability	Categ
5	S5IFSSDI	S5IFSSDI:W5 IncFlag:Sp SSI + SS Disability	Categ
6	S6IFSSDI	S6IFSSDI:W6 IncFlag:Sp SSI + SS Disability	Categ
7	S7IFSSDI	S7IFSSDI:W7 IncFlag:Sp SSI + SS Disability	Categ
8	S8IFSSDI	S8IFSSDI:W8 IncFlag:Sp SSI + SS Disability	Categ
9	S9IFSSDI	S9IFSSDI:W9 IncFlag:Sp SSI + SS Disability	Categ
10	S10IFSSDI	S10IFSSDI:W10 IncFlag: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
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
1	R1FSDI	R1FSDI:W1	ImpFlag-SocSec	DI	Categ
2	R2FSDI	R2FSDI:W2	ImpFlag-SocSec	DI	Categ
3	R3FSDI	R3FSDI:W3	ImpFlag-SocSec	DI	Categ
4	R4FSDI	R4FSDI:W4	ImpFlag-SocSec	DI	Categ
5	R5FSDI	R5FSDI:W5	ImpFlag-SocSec	DI	Categ
6	R6FSDI	R6FSDI:W6	ImpFlag-SocSec	DI	Categ
7	R7FSDI	R7FSDI:W7	ImpFlag-SocSec	DI	Categ
8	R8FSDI	R8FSDI:W8	ImpFlag-SocSec	DI	Categ
9	R9FSDI	R9FSDI:W9	ImpFlag-SocSec	DI	Categ
10	R10FSDI	R10FSDI:W10	ImpFlag-SocSec	DI	Categ
1	S1FSDI	S1FSDI:W1	ImpFlag-SocSec	DI	Categ
2	S2FSDI	S2FSDI:W2	ImpFlag-SocSec	DI	Categ
3	S3FSDI	S3FSDI:W3	ImpFlag-SocSec	DI	Categ
4	S4FSDI	S4FSDI:W4	ImpFlag-SocSec	DI	Categ
5	S5FSDI	S5FSDI:W5	ImpFlag-SocSec	DI	Categ
6	S6FSDI	S6FSDI:W6	ImpFlag-SocSec	DI	Categ
7	S7FSDI	S7FSDI:W7	ImpFlag-SocSec	DI	Categ
8	S8FSDI	S8FSDI:W8	ImpFlag-SocSec	DI	Categ
9	S9FSDI	S9FSDI:W9	ImpFlag-SocSec	DI	Categ
10	S10FSDI	S10FSDI:W10	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
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
2	H2FSSI	H2FSSI:W2	ImpFlag-SSI	Inc	Categ
3	H3FSSI	H3FSSI:W3	ImpFlag-SSI	Inc	Categ
4	H4FSSI	H4FSSI:W4	ImpFlag-SSI	Inc	Categ
5	H5FSSI	H5FSSI:W5	ImpFlag-SSI	Inc	Categ
6	H6FSSI	H6FSSI:W6	ImpFlag-SSI	Inc	Categ
7	H7FSSI	H7FSSI:W7	ImpFlag-SSI	Inc	Categ
8	H8FSSI	H8FSSI:W8	ImpFlag-SSI	Inc	Categ
9	H9FSSI	H9FSSI:W9	ImpFlag-SSI	Inc	Categ
10	H10FSSI	H10FSSI:W10	ImpFlag-SSI	Inc	Categ

1	R1FSSI	R1FSSI:W1 ImpFlag-SSI Inc	Categ
2	R2FSSI	R2FSSI:W2 ImpFlag-SSI Inc	Categ
1	S1FSSI	S1FSSI:W1 ImpFlag-SSI Inc	Categ
2	S2FSSI	S2FSSI:W2 ImpFlag-SSI Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISSDI	12652	406.69	1792.86	0.0	30000.0
R2ISSDI	19642	377.73	1610.79	0.0	18396.0
R3ISSDI	17991	436.42	1810.56	0.0	27748.3
R4ISSDI	21384	365.79	1712.25	0.0	27805.8
R5ISSDI	19579	278.67	1486.79	0.0	32955.1
R6ISSDI	18165	411.76	1947.97	0.0	34392.1
R7ISSDI	20129	388.42	1918.28	0.0	41106.0
R8ISSDI	18469	505.33	2378.24	0.0	44052.8
R9ISSDI	17217	459.51	2272.65	0.0	49154.4
R10ISSDI	15372	517.33	2537.19	0.0	39343.5
S1ISSDI	10279	318.14	1654.14	0.0	30000.0
S2ISSDI	13672	284.20	1510.14	0.0	18396.0
S3ISSDI	12333	311.30	1635.94	0.0	20909.9
S4ISSDI	14515	284.11	1629.42	0.0	27805.8
S5ISSDI	13041	228.92	1472.49	0.0	32955.1
S6ISSDI	11859	346.95	1928.85	0.0	34392.1
S7ISSDI	13353	297.35	1790.96	0.0	24444.0
S8ISSDI	12052	421.37	2335.75	0.0	44052.8
S9ISSDI	11011	366.54	2155.13	0.0	30696.0
S10ISSDI	9672	413.23	2420.19	0.0	39343.5
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	0.65	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	15372	0.15	0.77	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	15372	3.06	3.85	0.0	9.0
R1ISDI	12652	274.05	1535.49	0.0	30000.0
R2ISDI	19642	235.96	1400.97	0.0	18000.0
R3ISDI	17991	289.80	1596.11	0.0	25348.3
R4ISDI	21384	220.60	1453.18	0.0	27368.7
R5ISDI	19579	167.91	1323.00	0.0	32955.1
R6ISDI	18165	280.65	1756.93	0.0	34392.1
R7ISDI	20129	258.86	1719.30	0.0	41106.0

R8ISDI	18469	344.96	2114.08	0.0	44052.8
R9ISDI	17217	299.70	2017.12	0.0	49154.4
R10ISDI	15372	351.95	2257.52	0.0	39343.5
S1ISDI	10279	247.52	1491.90	0.0	30000.0
S2ISDI	13672	227.34	1414.06	0.0	18000.0
S3ISDI	12333	254.38	1550.01	0.0	20909.9
S4ISDI	14515	207.97	1453.38	0.0	27368.7
S5ISDI	13041	175.52	1381.98	0.0	32955.1
S6ISDI	11859	295.45	1842.71	0.0	34392.1
S7ISDI	13353	242.06	1694.20	0.0	24000.0
S8ISDI	12052	352.30	2185.40	0.0	44052.8
S9ISDI	11011	295.78	2013.11	0.0	30696.0
S10ISDI	9672	339.82	2246.13	0.0	39343.5
R1FSDI	12652	5.84	0.98	1.0	9.0
R2FSDI	19642	5.88	0.89	1.0	9.0
R3FSDI	17991	5.84	0.98	1.0	9.0
R4FSDI	21384	5.90	0.86	1.0	9.0
R5FSDI	19579	5.93	0.71	1.0	9.0
R6FSDI	18165	5.88	0.81	1.0	9.0
R7FSDI	20129	5.89	0.80	1.0	9.0
R8FSDI	18469	5.86	0.85	1.0	9.0
R9FSDI	17217	5.89	0.79	1.0	9.0
R10FSDI	15372	5.89	0.82	1.0	9.0
S1FSDI	12652	6.27	1.17	1.0	9.0
S2FSDI	19642	6.54	1.20	1.0	9.0
S3FSDI	17991	6.54	1.24	1.0	9.0
S4FSDI	21384	6.59	1.19	1.0	9.0
S5FSDI	19579	6.62	1.13	1.0	9.0
S6FSDI	18165	6.61	1.21	1.0	9.0
S7FSDI	20129	6.61	1.16	1.0	9.0
S8FSDI	18469	6.61	1.22	1.0	9.0
S9FSDI	17217	6.66	1.18	1.0	9.0
S10FSDI	15372	6.68	1.19	1.0	9.0
R1ISSI	12652	132.64	875.47	0.0	16800.0
R2ISSI	19642	141.77	796.36	0.0	14289.0
R3ISSI	17991	146.62	799.15	0.0	14039.2
R4ISSI	21384	145.19	863.38	0.0	27805.8
R5ISSI	19579	110.76	674.73	0.0	16695.3
R6ISSI	18165	131.11	805.97	0.0	10800.0
R7ISSI	20129	129.56	808.47	0.0	10080.0
R8ISSI	18469	160.37	1020.92	0.0	20400.0
R9ISSI	17217	159.81	1029.14	0.0	19200.0
R10ISSI	15372	165.38	1110.25	0.0	19200.0
S1ISSI	10279	70.62	670.15	0.0	16800.0
S2ISSI	13672	56.86	518.65	0.0	14289.0
S3ISSI	12333	56.92	490.28	0.0	14039.2
S4ISSI	14515	76.14	681.15	0.0	27805.8
S5ISSI	13041	53.40	489.85	0.0	8640.0
S6ISSI	11859	51.51	500.71	0.0	10800.0
S7ISSI	13353	55.29	533.38	0.0	10080.0
S8ISSI	12052	69.07	701.52	0.0	20400.0
S9ISSI	11011	70.76	737.92	0.0	19200.0
S10ISSI	9672	73.41	774.85	0.0	19200.0
H2FSSI	8222	5.68	1.26	1.0	9.0
H3FSSI	17991	5.78	1.10	1.0	9.0
H4FSSI	21384	5.80	1.09	1.0	9.0
H5FSSI	19579	5.83	0.97	1.0	9.0

H6FSSI	18165	5.81	0.98	1.0	9.0
H7FSSI	20129	5.82	0.97	1.0	9.0
H8FSSI	18469	5.80	1.02	1.0	9.0
H9FSSI	17217	5.82	1.00	1.0	9.0
H10FSSI	15372	5.85	0.98	1.0	9.0
R1FSSI	12652	5.89	0.86	1.0	9.0
R2FSSI	11420	5.91	0.85	1.0	9.0
S1FSSI	12652	6.34	1.00	1.0	9.0
S2FSSI	11420	6.39	0.98	1.0	9.0

Categorical Variable Codes

Value-----	R1IFSSDI	R2IFSSDI	R3IFSSDI	R4IFSSDI	R5IFSSDI	R6IFSSDI	R7IFSSDI	R8IFSSDI	R9IFSSDI	R10IFSSDI
0.no income	11699	17689	16183	19382	17984	16640	18513	16934	15864	14073
1.no imputations	732	1313	1323	1329	956	1059	1115	1183	1012	862
2.some imputation	126	506	359	466	502	428	428	295	275	348
9.no Fin Resp	95	134	126	207	137	38	73	57	66	89

Value-----	S1IFSSDI	S2IFSSDI	S3IFSSDI	S4IFSSDI	S5IFSSDI	S6IFSSDI	S7IFSSDI	S8IFSSDI	S9IFSSDI	S10IFSSDI
0.no income	9662	12699	11436	13461	12268	11111	12550	11264	10340	8987
1.no imputations	437	590	647	624	486	503	525	585	482	412
2.some imputation	85	280	164	245	194	212	209	154	131	194
8.no Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	103	86	185	93	33	69	49	58	79

Value-----	R1FSDI	R2FSDI	R3FSDI	R4FSDI	R5FSDI	R6FSDI	R7FSDI	R8FSDI	R9FSDI	R10FSDI
1.continuous value	456	579	634	536	331	448	476	505	397	376
2.complete bracket			31	38	22	30	22	32	17	18
3.incomplete bracket			8	7	3	1	3	3	5	4
5.no value/bracket	49	59	37	19	23	62	47	46	32	45
6.no income	12000	18631	17103	20512	18998	17503	19449	17805	16672	14792
7.DK if income	52	239	52	65	65	83	59	21	28	48
9.no Fin Resp	95	134	126	207	137	38	73	57	66	89

Value-----	S1FSDI	S2FSDI	S3FSDI	S4FSDI	S5FSDI	S6FSDI	S7FSDI	S8FSDI	S9FSDI	S10FSDI
1.continuous value	319	359	359	323	217	292	269	321	232	212
2.complete bracket			20	25	16	25	12	22	16	12
3.incomplete bracket			2	5	3		3	3	2	4
5.no value/bracket	35	38	17	11	18	44	35	33	27	35
6.no income	9789	13008	11822	13929	12655	11419	12920	11607	10656	9287
7.DK if income	41	164	27	38	39	46	45	17	20	43
8.No spouse/partner	2373	5970	5658	6868	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	103	86	185	93	33	69	49	58	79

Value-----	H2FSSI	H3FSSI	H4FSSI	H5FSSI	H6FSSI	H7FSSI	H8FSSI	H9FSSI	H10FSSI
.Q=Not asked this wv	11420								
1.continuous value	548	819	906	663	661	711	741	661	533
2.complete bracket		43	79	48	55	53	45	34	28
3.incomplete bracket		2	8	3	8	3	5	4	5
5.no value/bracket	38	166	215	266	112	138	49	55	54
6.no income	7477	16781	19886	18346	17171	19023	17455	16279	14481
7.DK if income	149	54	83	116	113	112	109	109	152
9.no Fin Resp	10	126	207	137	45	89	65	75	119

Value-----	R1FSSI	R2FSSI
.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-----	S1FSSI	S2FSSI
.Q=Not asked this wv		4549
.U=Unmar		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

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-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). RwIFSSDI is a flag that indicates whether any components are imputed.

SwISSDI is the sum of the spouse's income from SDI and SSI. SwIFSSDI is a flag that indicates whether any components are imputed.

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. RwfSDI, R1FSSI, R2FSSI (for W2H), H2FSSI (for W2A), and H3FSSI to H8FSSI flag whether these components are imputed, and if so, how much information is available to the imputation process.

SwISDI is the portion of SwISSDI that represents the respondent'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. SwfSDI, S1FSSI, S2FSSI (for W2H), H2FSSI (for W2A), and H3FSSI to H8FSSI flag whether these components are imputed, and if so, how much information is available to the imputation process.

[Note: The name of the imputation flags for Social Security disability income were RwfSSDI and SwfSSDI in prior versions of the RAND HRS. These have been changed to RwfSDI and SwfSDI beginning in Version E.]

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, R2FSSI and S2FSSI are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort respondents, H2FSSI 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 ask the annual amount of Social Security and SSI received in 1991. In Wave 1 and Wave 2A, if the respondent and spouse receive a joint check for Social Security 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. 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.

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 doesn't 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 R2FSSI and S2FSSI are not available.

For HRS respondents in Wave 2H, the income components corresponding to imputation flags H2FSSI is not available.

HRS Variables Used

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
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
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 RECVD 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
 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
 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
 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
 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
 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:
 LZ125 PREV WAVE R RECEIVES SS
 LZ126 PREV WAVE S/P RECEIVES SS
 LZ127 PREV WAVE R RECEIVES SSI
 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
 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

Individual Income from Social Security Retirement
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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
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
1	R1IFSRET	R1IFSRET:W1 IncFlag:R SocSec Retirement	Categ
2	R2IFSRET	R2IFSRET:W2 IncFlag:R SocSec Retirement	Categ
3	R3IFSRET	R3IFSRET:W3 IncFlag:R SocSec Retirement	Categ
4	R4IFSRET	R4IFSRET:W4 IncFlag:R SocSec Retirement	Categ
5	R5IFSRET	R5IFSRET:W5 IncFlag:R SocSec Retirement	Categ
6	R6IFSRET	R6IFSRET:W6 IncFlag:R SocSec Retirement	Categ
7	R7IFSRET	R7IFSRET:W7 IncFlag:R SocSec Retirement	Categ
8	R8IFSRET	R8IFSRET:W8 IncFlag:R SocSec Retirement	Categ
9	R9IFSRET	R9IFSRET:W9 IncFlag:R SocSec Retirement	Categ
10	R10IFSRET	R10IFSRET:W10 IncFlag:R SocSec Retirement	Categ
1	S1IFSRET	S1IFSRET:W1 IncFlag:Sp SocSec Retirement	Categ
2	S2IFSRET	S2IFSRET:W2 IncFlag:Sp SocSec Retirement	Categ
3	S3IFSRET	S3IFSRET:W3 IncFlag:Sp SocSec Retirement	Categ
4	S4IFSRET	S4IFSRET:W4 IncFlag:Sp SocSec Retirement	Categ
5	S5IFSRET	S5IFSRET:W5 IncFlag:Sp SocSec Retirement	Categ
6	S6IFSRET	S6IFSRET:W6 IncFlag:Sp SocSec Retirement	Categ
7	S7IFSRET	S7IFSRET:W7 IncFlag:Sp SocSec Retirement	Categ
8	S8IFSRET	S8IFSRET:W8 IncFlag:Sp SocSec Retirement	Categ
9	S9IFSRET	S9IFSRET:W9 IncFlag:Sp SocSec Retirement	Categ
10	S10IFSRET	S10IFSRET:W10 IncFlag:Sp SocSec Retirement	Categ
1	R1FSS	R1FSS:W1 ImpFlag-SocSec Retire, Surv	Categ
2	R2FSS	R2FSS:W2 ImpFlag-SocSec Retire, Surv	Categ
3	R3FSS	R3FSS:W3 ImpFlag-SocSec Retire, Surv	Categ
4	R4FSS	R4FSS:W4 ImpFlag-SocSec Retire, Surv	Categ
5	R5FSS	R5FSS:W5 ImpFlag-SocSec Retire, Surv	Categ
6	R6FSS	R6FSS:W6 ImpFlag-SocSec Retire, Surv	Categ
7	R7FSS	R7FSS:W7 ImpFlag-SocSec Retire, Surv	Categ
8	R8FSS	R8FSS:W8 ImpFlag-SocSec Retire, Surv	Categ
9	R9FSS	R9FSS:W9 ImpFlag-SocSec Retire, Surv	Categ
10	R10FSS	R10FSS:W10 ImpFlag-SocSec Retire, Surv	Categ
1	S1FSS	S1FSS:W1 ImpFlag-SocSec Retire, Surv	Categ
2	S2FSS	S2FSS:W2 ImpFlag-SocSec Retire, Surv	Categ

3	S3FSS	S3FSS:W3 ImpFlag-SocSec Retire, Surv	Categ
4	S4FSS	S4FSS:W4 ImpFlag-SocSec Retire, Surv	Categ
5	S5FSS	S5FSS:W5 ImpFlag-SocSec Retire, Surv	Categ
6	S6FSS	S6FSS:W6 ImpFlag-SocSec Retire, Surv	Categ
7	S7FSS	S7FSS:W7 ImpFlag-SocSec Retire, Surv	Categ
8	S8FSS	S8FSS:W8 ImpFlag-SocSec Retire, Surv	Categ
9	S9FSS	S9FSS:W9 ImpFlag-SocSec Retire, Surv	Categ
10	S10FSS	S10FSS:W10 ImpFlag-SocSec Retire, Surv	Categ
1	H1FSSJ	H1FSSJ:W1 ImpFlag-Soc Sec/joint check	Categ
2	H2FSSJ	H2FSSJ:W2 ImpFlag-Soc Sec/joint check	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISRET	12652	332.24	1590.81	0.0	26000.0
R2ISRET	19642	3157.28	4154.43	0.0	26592.0
R3ISRET	17991	3699.39	4654.92	0.0	57028.7
R4ISRET	21384	4263.54	4814.02	0.0	40131.4
R5ISRET	19579	4922.67	5161.30	0.0	52028.9
R6ISRET	18165	6013.67	5846.98	0.0	58352.5
R7ISRET	20129	5851.86	6296.76	0.0	61585.0
R8ISRET	18469	6712.82	6674.34	0.0	44128.3
R9ISRET	17217	7651.44	7188.66	0.0	50278.8
R10ISRET	15372	8749.18	7853.87	0.0	50824.4
S1ISRET	10279	379.30	1689.01	0.0	26000.0
S2ISRET	13672	2569.70	3936.94	0.0	24000.0
S3ISRET	12333	3085.32	4445.10	0.0	54288.1
S4ISRET	14515	3612.06	4671.16	0.0	32334.5
S5ISRET	13041	4226.03	5071.94	0.0	51915.8
S6ISRET	11859	5279.55	5872.00	0.0	53559.2
S7ISRET	13353	5200.00	6334.55	0.0	63218.5
S8ISRET	12052	5997.14	6713.34	0.0	43566.5
S9ISRET	11011	6871.54	7189.97	0.0	50278.8
S10ISRET	9672	7999.61	7979.79	0.0	49723.7
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	0.73	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	15372	0.88	0.88	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	2.92	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	15372	3.50	3.54	0.0	9.0
R1FSS	12652	5.78	1.12	1.0	9.0

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-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 R 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 RwfSS, SwfSS, and HwfSSJ flags indicate whether the components are imputed, and if so, how much information is available to impute from. RwfSS flags the respondent's individual income, SwfSS flags the spouse's individual income, and HwfSSJ flags Waves 1 and 2A income that is received as a joint check.

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, H2FSSJ is set to .Q to indicate 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 doesn't 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 H2FSSJ are not available.

HRS Variables Used

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
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
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
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
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
 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:

LZ125 PREV WAVE R RECEIVES SS
 LZ126 PREV WAVE S/P RECEIVES SS
 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
MQ106 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

Individual Unemployment or Workers Compensation
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Wave	Variable	Label	Type
1	R1IUNWC	R1IUNWC:W1 Income:R Unemp + Worker Comp	Cont
2	R2IUNWC	R2IUNWC:W2 Income:R Unemp + Worker Comp	Cont
3	R3IUNWC	R3IUNWC:W3 Income:R Unemp + Worker Comp	Cont
4	R4IUNWC	R4IUNWC:W4 Income:R Unemp + Worker Comp	Cont
5	R5IUNWC	R5IUNWC:W5 Income:R Unemp + Worker Comp	Cont
6	R6IUNWC	R6IUNWC:W6 Income:R Unemp + Worker Comp	Cont
7	R7IUNWC	R7IUNWC:W7 Income:R Unemp + Worker Comp	Cont
8	R8IUNWC	R8IUNWC:W8 Income:R Unemp + Worker Comp	Cont
9	R9IUNWC	R9IUNWC:W9 Income:R Unemp + Worker Comp	Cont
10	R10IUNWC	R10IUNWC:W10 Income:R Unemp + Worker Comp	Cont
1	S1IUNWC	S1IUNWC:W1 Income:Sp Unemp + Worker Cmp	Cont
2	S2IUNWC	S2IUNWC:W2 Income:Sp Unemp + Worker Cmp	Cont
3	S3IUNWC	S3IUNWC:W3 Income:Sp Unemp + Worker Cmp	Cont
4	S4IUNWC	S4IUNWC:W4 Income:Sp Unemp + Worker Cmp	Cont
5	S5IUNWC	S5IUNWC:W5 Income:Sp Unemp + Worker Cmp	Cont
6	S6IUNWC	S6IUNWC:W6 Income:Sp Unemp + Worker Cmp	Cont
7	S7IUNWC	S7IUNWC:W7 Income:Sp Unemp + Worker Cmp	Cont
8	S8IUNWC	S8IUNWC:W8 Income:Sp Unemp + Worker Cmp	Cont
9	S9IUNWC	S9IUNWC:W9 Income:Sp Unemp + Worker Cmp	Cont
10	S10IUNWC	S10IUNWC:W10 Income:Sp Unemp + Worker Cmp	Cont
1	R1IFUNWC	R1IFUNWC:W1 IncFlag:R Unemp + Worker Cmp	Categ
2	R2IFUNWC	R2IFUNWC:W2 IncFlag:R Unemp + Worker Cmp	Categ
3	R3IFUNWC	R3IFUNWC:W3 ImpFlag:R Unemp + Worker Cmp	Categ
4	R4IFUNWC	R4IFUNWC:W4 IncFlag:R Unemp + Worker Cmp	Categ
5	R5IFUNWC	R5IFUNWC:W5 IncFlag:R Unemp + Worker Cmp	Categ
6	R6IFUNWC	R6IFUNWC:W6 IncFlag:R Unemp + Worker Cmp	Categ
7	R7IFUNWC	R7IFUNWC:W7 IncFlag:R Unemp + Worker Cmp	Categ
8	R8IFUNWC	R8IFUNWC:W8 IncFlag:R Unemp + Worker Cmp	Categ
9	R9IFUNWC	R9IFUNWC:W9 IncFlag:R Unemp + Worker Cmp	Categ
10	R10IFUNWC	R10IFUNWC:W10 IncFlag:R Unemp + Worker Cmp	Categ
1	S1IFUNWC	S1IFUNWC:W1 IncFlag:Sp Unemp + WorkerCmp	Categ
2	S2IFUNWC	S2IFUNWC:W2 IncFlag:Sp Unemp + WorkerCmp	Categ
3	S3IFUNWC	S3IFUNWC:W3 ImpFlag:Sp Unemp + WorkerCmp	Categ
4	S4IFUNWC	S4IFUNWC:W4 IncFlag:Sp Unemp + WorkerCmp	Categ
5	S5IFUNWC	S5IFUNWC:W5 IncFlag:Sp Unemp + WorkerCmp	Categ
6	S6IFUNWC	S6IFUNWC:W6 IncFlag:Sp Unemp + WorkerCmp	Categ
7	S7IFUNWC	S7IFUNWC:W7 IncFlag:Sp Unemp + WorkerCmp	Categ
8	S8IFUNWC	S8IFUNWC:W8 IncFlag:Sp Unemp + WorkerCmp	Categ
9	S9IFUNWC	S9IFUNWC:W9 IncFlag:Sp Unemp + WorkerCmp	Categ
10	S10IFUNWC	S10IFUNWC:W10 IncFlag:Sp Unemp + WorkerCmp	Categ
1	R1FUNEM	R1FUNEM:W1 ImpFlag-Unemployment	Categ
2	R2FUNEM	R2FUNEM:W2 ImpFlag-Unemployment	Categ
3	R3FUNEM	R3FUNEM:W3 ImpFlag-Unemployment	Categ
4	R4FUNEM	R4FUNEM:W4 ImpFlag-Unemployment	Categ
5	R5FUNEM	R5FUNEM:W5 ImpFlag-Unemployment	Categ
6	R6FUNEM	R6FUNEM:W6 ImpFlag-Unemployment	Categ
7	R7FUNEM	R7FUNEM:W7 ImpFlag-Unemployment	Categ
8	R8FUNEM	R8FUNEM:W8 ImpFlag-Unemployment	Categ
9	R9FUNEM	R9FUNEM:W9 ImpFlag-Unemployment	Categ
10	R10FUNEM	R10FUNEM:W10 ImpFlag-Unemployment	Categ
1	S1FUNEM	S1FUNEM:W1 ImpFlag-Unemployment	Categ
2	S2FUNEM	S2FUNEM:W2 ImpFlag-Unemployment	Categ

3	S3FUNEM	S3FUNEM:W3	ImpFlag-Unemployment	Categ
4	S4FUNEM	S4FUNEM:W4	ImpFlag-Unemployment	Categ
5	S5FUNEM	S5FUNEM:W5	ImpFlag-Unemployment	Categ
6	S6FUNEM	S6FUNEM:W6	ImpFlag-Unemployment	Categ
7	S7FUNEM	S7FUNEM:W7	ImpFlag-Unemployment	Categ
8	S8FUNEM	S8FUNEM:W8	ImpFlag-Unemployment	Categ
9	S9FUNEM	S9FUNEM:W9	ImpFlag-Unemployment	Categ
10	S10FUNEM	S10FUNEM:W10	ImpFlag-Unemployment	Categ
1	R1FWCMP	R1FWCMP:W1	ImpFlag-Workers Comp	Categ
2	R2FWCMP	R2FWCMP:W2	ImpFlag-Workers Comp	Categ
3	R3FWCMP	R3FWCMP:W3	ImpFlag-Workers Comp	Categ
4	R4FWCMP	R4FWCMP:W4	ImpFlag-Workers Comp	Categ
5	R5FWCMP	R5FWCMP:W5	ImpFlag-Workers Comp	Categ
6	R6FWCMP	R6FWCMP:W6	ImpFlag-Workers Comp	Categ
7	R7FWCMP	R7FWCMP:W7	ImpFlag-Workers Comp	Categ
8	R8FWCMP	R8FWCMP:W8	ImpFlag-Workers Comp	Categ
9	R9FWCMP	R9FWCMP:W9	ImpFlag-Workers Comp	Categ
10	R10FWCMP	R10FWCMP:W10	ImpFlag-Workers Comp	Categ
1	S1FWCMP	S1FWCMP:W1	ImpFlag-Workers Comp	Categ
2	S2FWCMP	S2FWCMP:W2	ImpFlag-Workers Comp	Categ
3	S3FWCMP	S3FWCMP:W3	ImpFlag-Workers Comp	Categ
4	S4FWCMP	S4FWCMP:W4	ImpFlag-Workers Comp	Categ
5	S5FWCMP	S5FWCMP:W5	ImpFlag-Workers Comp	Categ
6	S6FWCMP	S6FWCMP:W6	ImpFlag-Workers Comp	Categ
7	S7FWCMP	S7FWCMP:W7	ImpFlag-Workers Comp	Categ
8	S8FWCMP	S8FWCMP:W8	ImpFlag-Workers Comp	Categ
9	S9FWCMP	S9FWCMP:W9	ImpFlag-Workers Comp	Categ
10	S10FWCMP	S10FWCMP:W10	ImpFlag-Workers Comp	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IUNWC	12652	203.59	1259.73	0.0	30800.0
R2IUNWC	19642	130.64	1090.35	0.0	31000.0
R3IUNWC	17991	101.31	1225.93	0.0	60000.0
R4IUNWC	21384	106.86	1040.07	0.0	30000.0
R5IUNWC	19579	95.67	1229.55	0.0	100000.0
R6IUNWC	18165	64.81	737.33	0.0	32760.0
R7IUNWC	20129	115.80	1215.56	0.0	80000.0
R8IUNWC	18469	77.79	887.75	0.0	39000.0
R9IUNWC	17217	77.74	1111.37	0.0	100000.0
R10IUNWC	15372	181.47	1423.84	0.0	30000.0
S1IUNWC	10279	204.66	1303.00	0.0	30800.0
S2IUNWC	17345	115.25	1038.86	0.0	31000.0
S3IUNWC	15656	91.48	1229.62	0.0	60000.0
S4IUNWC	14515	118.83	1096.36	0.0	28000.0
S5IUNWC	13041	108.85	1429.49	0.0	100000.0
S6IUNWC	11859	77.51	829.47	0.0	32760.0
S7IUNWC	13353	119.87	1159.89	0.0	50000.0
S8IUNWC	12052	97.48	1125.85	0.0	39000.0
S9IUNWC	11011	94.09	1310.45	0.0	100000.0
S10IUNWC	9672	213.77	1560.55	0.0	30000.0
R1IFUNWC	12652	0.14	0.83	0.0	9.0
R2IFUNWC	19642	3.03	3.45	0.0	9.0
R3IFUNWC	17991	2.81	3.41	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	15372	0.12	0.83	0.0	9.0
S1IFUNWC	12652	1.63	3.17	0.0	9.0
S2IFUNWC	19642	3.94	3.59	0.0	9.0
S3IFUNWC	17991	3.83	3.62	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	15372	3.05	3.87	0.0	9.0
R1FUNEM	12652	5.83	1.01	1.0	9.0
R2FUNEM	11420	5.85	0.98	1.0	9.0
R3FUNEM	10964	5.90	0.81	1.0	9.0
R4FUNEM	21384	5.95	0.70	1.0	9.0
R5FUNEM	19579	5.96	0.61	1.0	9.0
R6FUNEM	18165	5.95	0.58	1.0	9.0
R7FUNEM	20129	5.93	0.68	1.0	9.0
R8FUNEM	18469	5.95	0.59	1.0	9.0
R9FUNEM	17217	5.96	0.56	1.0	9.0
R10FUNEM	15372	5.90	0.81	1.0	9.0
S1FUNEM	12652	6.25	1.23	1.0	9.0
S2FUNEM	11420	6.30	1.19	1.0	9.0
S3FUNEM	10964	6.36	1.10	1.0	9.0
S4FUNEM	21384	6.61	1.14	1.0	9.0
S5FUNEM	19579	6.64	1.09	1.0	9.0
S6FUNEM	18165	6.66	1.09	1.0	9.0
S7FUNEM	20129	6.63	1.12	1.0	9.0
S8FUNEM	18469	6.66	1.09	1.0	9.0
S9FUNEM	17217	6.70	1.08	1.0	9.0
S10FUNEM	15372	6.68	1.22	1.0	9.0
R1FWCMP	12652	5.95	0.66	1.0	9.0
R2FWCMP	11420	5.97	0.65	1.0	9.0
R3FWCMP	10964	5.96	0.60	1.0	9.0
R4FWCMP	21384	6.00	0.50	1.0	9.0
R5FWCMP	19579	5.99	0.47	1.0	9.0
R6FWCMP	18165	5.99	0.33	1.0	9.0
R7FWCMP	20129	6.00	0.38	1.0	9.0
R8FWCMP	18469	6.00	0.33	1.0	9.0
R9FWCMP	17217	6.00	0.35	1.0	9.0
R10FWCMP	15372	6.01	0.37	1.0	9.0
S1FWCMP	12652	6.34	0.99	1.0	9.0
S2FWCMP	11420	6.38	0.99	1.0	9.0
S3FWCMP	10964	6.40	0.98	1.0	9.0
S4FWCMP	21384	6.65	1.03	1.0	9.0
S5FWCMP	19579	6.66	1.02	1.0	9.0
S6FWCMP	18165	6.69	1.00	1.0	9.0
S7FWCMP	20129	6.67	1.01	1.0	9.0
S8FWCMP	18469	6.69	1.00	1.0	9.0
S9FWCMP	17217	6.72	1.01	1.0	9.0
S10FWCMP	15372	6.75	1.02	1.0	9.0

Categorical Variable Codes

Value-----	R1IFUNWC	R2IFUNWC	R3IFUNWC	R4IFUNWC	R5IFUNWC	R6IFUNWC	R7IFUNWC	R8IFUNWC	R9IFUNWC	R10IFUNWC
0.no income	11749	10604	10407	20562	18962	17715	19466	18005	16801	14715
1.no imputations	668	531	377	470	351	247	355	243	217	347
2.some imputation	140	161	103	145	129	158	219	156	124	191
7.NA this wave->set to 0		8222	7027							
9.no Fin Resp	95	124	77	207	137	45	89	65	75	119

Value-----	S1IFUNWC	S2IFUNWC	S3IFUNWC	S4IFUNWC	S5IFUNWC	S6IFUNWC	S7IFUNWC	S8IFUNWC	S9IFUNWC	S10IFUNWC
0.no income	9558	8519	8225	13877	12607	11536	12874	11722	10707	9198
1.no imputations	512	384	270	346	241	173	237	159	149	237
2.some imputation	114	121	70	107	100	114	165	119	93	145
7.NA this wave->set to 0		8222	7027							
8.no Sp/Part->no incm	2373	2297	2335	6869	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	99	64	185	93	36	77	52	62	92

Value-----	R1FUNEM	R2FUNEM	R3FUNEM	R4FUNEM	R5FUNEM	R6FUNEM	R7FUNEM	R8FUNEM	R9FUNEM	R10FUNEM
.Q=Not asked this wv		8222	7027							
1.continuous value	495	400	262	338	242	203	296	201	172	321
2.complete bracket						37	66	47	23	62
3.incomplete bracket						4	10	4	2	5
5.no value/bracket	53	78	44	67	50	18	39	17	21	25
6.no income	11960	10771	10543	20719	19102	17793	19568	18078	16867	14767
7.DK if income	49	47	38	53	48	65	61	57	57	73
9.no Fin Resp	95	124	77	207	137	45	89	65	75	119

Value-----	S1FUNEM	S2FUNEM	S3FUNEM	S4FUNEM	S5FUNEM	S6FUNEM	S7FUNEM	S8FUNEM	S9FUNEM	S10FUNEM
.Q=Not asked this wv		4549	3704							
.U=Unmar		3673	3323							
1.continuous value	378	279	185	252	164	139	186	128	115	213
2.complete bracket						27	48	34	16	47
3.incomplete bracket						3	9	4	1	5
5.no value/bracket	43	63	37	49	40	12	33	11	17	17
6.no income	9724	8648	8322	13990	12707	11598	12960	11781	10757	9242
7.DK if income	39	34	21	40	37	44	40	42	43	56
8.No spouse/partner	2373	2297	2335	6868	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	99	64	185	93	36	77	52	62	92

Value-----	R1FWCMP	R2FWCMP	R3FWCMP	R4FWCMP	R5FWCMP	R6FWCMP	R7FWCMP	R8FWCMP	R9FWCMP	R10FWCMP
.Q=Not asked this wv		8222	7027							
1.continuous value	184	144	127	139	117	50	65	45	46	33
2.complete bracket						12	24	14	10	10
3.incomplete bracket						3	1	1	1	1
5.no value/bracket	29	31	19	28	30	6	6	5	3	6
6.no income	12287	11081	10705	20967	19245	17976	19871	18275	17024	15133
7.DK if income	57	40	36	43	50	73	73	64	58	71
9.no Fin Resp	95	124	77	207	137	45	89	65	75	119

Value-----	S1FWCMP	S2FWCMP	S3FWCMP	S4FWCMP	S5FWCMP	S6FWCMP	S7FWCMP	S8FWCMP	S9FWCMP	S10FWCMP
.Q=Not asked this wv		4549	3704							
.U=Unmar		3673	3323							
1.continuous value	143	110	91	98	83	38	53	33	35	29
2.complete bracket						10	17	13	7	8
3.incomplete bracket						2	1	1	1	1
5.no value/bracket	25	18	11	20	22	3	4	5	2	6
6.no income	9970	8867	8444	14183	12804	11715	13147	11900	10861	9486
7.DK if income	46	29	19	30	39	55	54	48	43	51
8.No spouse/partner	2373	2297	2335	6868	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	99	64	185	93	36	77	52	62	92

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-reported respondent income is assigned as the spouse income.

How Constructed:

RwIUNWC sums the respondent's income from unemployment and worker's compensation. RwIFUNWC is a flag that indicates whether any components are imputed. A '1.continuous value' indicates that the respondent reports actual values and no imputed values are included in the sum.

RwFUNEM and RwfWCMP indicate whether the respondent's component is imputed, and if so, how much information is available for imputation to use.

SwIUNWC sums the spouse's income from unemployment and worker's compensation. SwIFUNWC is a flag that indicates whether any components are imputed.

SwFUNEM and SwfWCMP indicate whether the spouse's component is imputed, and if so, how much information is available for the imputation to use.

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, and RwIFUNWC and SwIFUNWC are set to 7 to flag the cases where this is done.

For AHEAD entry cohort respondents, R2FUNEM, R2fWCMP, S2FUNEM, S2fWCMP, R3FUNEM, R3fWCMP, S3FUNEM, and S3fWCMP 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 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 R2FUNEM, R2FWCMP, S2FUNEM, S2FWCMP, R3FUNEM, R3FWCMP, S3FUNEM, and S3FWCMP 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
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
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
 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
 Tracker:
 AFINR 1992 WHETHER FINANCIAL RESPONDENT
 BFINR 1993 WHETHER FINANCIAL RESPONDENT
 CFINR 1994 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

Individual income from other government transfers
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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
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
1	R1IFGXFR	R1IFGXFR:W1 IncFlag:R Other Gov Transfer	Categ
2	R2IFGXFR	R2IFGXFR:W2 IncFlag:R Other Gov Transfer	Categ
3	R3IFGXFR	R3IFGXFR:W3 IncFlag:R Other Gov Transfer	Categ
4	R4IFGXFR	R4IFGXFR:W4 IncFlag:R Other Gov Transfer	Categ
5	R5IFGXFR	R5IFGXFR:W5 IncFlag:R Other Gov Transfer	Categ
6	R6IFGXFR	R6IFGXFR:W6 IncFlag:R Other Gov Transfer	Categ
7	R7IFGXFR	R7IFGXFR:W7 IncFlag:R Other Gov Transfer	Categ
8	R8IFGXFR	R8IFGXFR:W8 IncFlag:R Other Gov Transfer	Categ
9	R9IFGXFR	R9IFGXFR:W9 IncFlag:R Other Gov Transfer	Categ
10	R10IFGXFR	R10IFGXFR:W10 IncFlag:R Other Gov Transfer	Categ
1	S1IFGXFR	S1IFGXFR:W1 IncFlag:Sp Other Gov Transfr	Categ
2	S2IFGXFR	S2IFGXFR:W2 IncFlag:Sp Other Gov Transfr	Categ
3	S3IFGXFR	S3IFGXFR:W3 IncFlag:Sp Other Gov Transfr	Categ
4	S4IFGXFR	S4IFGXFR:W4 IncFlag:Sp Other Gov Transfr	Categ
5	S5IFGXFR	S5IFGXFR:W5 IncFlag:Sp Other Gov Transfr	Categ
6	S6IFGXFR	S6IFGXFR:W6 IncFlag:Sp Other Gov Transfr	Categ
7	S7IFGXFR	S7IFGXFR:W7 IncFlag:Sp Other Gov Transfr	Categ
8	S8IFGXFR	S8IFGXFR:W8 IncFlag:Sp Other Gov Transfr	Categ
9	S9IFGXFR	S9IFGXFR:W9 IncFlag:Sp Other Gov Transfr	Categ
10	S10IFGXFR	S10IFGXFR:W10 IncFlag:Sp Other Gov Transfr	Categ
1	R1FVET	R1FVET:W1 ImpFlag-Veteran Benefits	Categ
2	R2FVET	R2FVET:W2 ImpFlag-Veteran Benefits	Categ
3	R3FVET	R3FVET:W3 ImpFlag-Veteran Benefits	Categ
4	R4FVET	R4FVET:W4 ImpFlag-Veteran Benefits	Categ
5	R5FVET	R5FVET:W5 ImpFlag-Veteran Benefits	Categ
6	R6FVET	R6FVET:W6 ImpFlag-Veteran Benefits	Categ
7	R7FVET	R7FVET:W7 ImpFlag-Veteran Benefits	Categ
8	R8FVET	R8FVET:W8 ImpFlag-Veteran Benefits	Categ
9	R9FVET	R9FVET:W9 ImpFlag-Veteran Benefits	Categ
10	R10FVET	R10FVET:W10 ImpFlag-Veteran Benefits	Categ
1	S1FVET	S1FVET:W1 ImpFlag-Veteran Benefits	Categ
2	S2FVET	S2FVET:W2 ImpFlag-Veteran Benefits	Categ

3	S3FVET	S3FVET:W3	ImpFlag-Veteran Benefits	Categ
4	S4FVET	S4FVET:W4	ImpFlag-Veteran Benefits	Categ
5	S5FVET	S5FVET:W5	ImpFlag-Veteran Benefits	Categ
6	S6FVET	S6FVET:W6	ImpFlag-Veteran Benefits	Categ
7	S7FVET	S7FVET:W7	ImpFlag-Veteran Benefits	Categ
8	S8FVET	S8FVET:W8	ImpFlag-Veteran Benefits	Categ
9	S9FVET	S9FVET:W9	ImpFlag-Veteran Benefits	Categ
10	S10FVET	S10FVET:W10	ImpFlag-Veteran Benefits	Categ
2	R2FVET1	R2FVET1:W2	ImpFlag-Vet Benefits #1	Categ
2	S2FVET1	S2FVET1:W2	ImpFlag-Vet Benefits #1	Categ
2	R2FVET2	R2FVET2:W2	ImpFlag-Vet Benefits #2	Categ
2	S2FVET2	S2FVET2:W2	ImpFlag-Vet Benefits #2	Categ
1	H1FWELF	H1FWELF:W1	ImpFlag-Welfare Inc	Categ
3	H3FWELF	H3FWELF:W3	ImpFlag-Welfare Inc	Categ
4	H4FWELF	H4FWELF:W4	ImpFlag-Welfare Inc	Categ
5	H5FWELF	H5FWELF:W5	ImpFlag-Welfare Inc	Categ
6	H6FWELF	H6FWELF:W6	ImpFlag-Welfare Inc	Categ
7	H7FWELF	H7FWELF:W7	ImpFlag-Welfare Inc	Categ
8	H8FWELF	H8FWELF:W8	ImpFlag-Welfare Inc	Categ
9	H9FWELF	H9FWELF:W9	ImpFlag-Welfare Inc	Categ
10	H10FWELF	H10FWELF:W10	ImpFlag-Welfare Inc	Categ
2	R2FWELF	R2FWELF:W2	ImpFlag-Welfare Inc	Categ
2	S2FWELF	S2FWELF:W2	ImpFlag-Welfare Inc	Categ
1	H1FFOOD	H1FFOOD:W1	ImpFlag-Food Stamps	Categ
2	H2FFOOD	H2FFOOD:W2	ImpFlag-Food Stamps	Categ
3	H3FFOOD	H3FFOOD:W3	ImpFlag-Food Stamps	Categ
4	H4FFOOD	H4FFOOD:W4	ImpFlag-Food Stamps	Categ
5	H5FFOOD	H5FFOOD:W5	ImpFlag-Food Stamps	Categ
6	H6FFOOD	H6FFOOD:W6	ImpFlag-Food Stamps	Categ
7	H7FFOOD	H7FFOOD:W7	ImpFlag-Food Stamps	Categ
8	H8FFOOD	H8FFOOD:W8	ImpFlag-Food Stamps	Categ
9	H9FFOOD	H9FFOOD:W9	ImpFlag-Food Stamps	Categ
10	H10FFOOD	H10FFOOD:W10	ImpFlag-Food Stamps	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IGXFR	12652	484.74	2672.82	0.0	60000.0
R2IGXFR	19642	274.52	1868.50	0.0	57600.0
R3IGXFR	17991	435.56	2717.26	0.0	80884.3
R4IGXFR	21384	492.04	3102.11	0.0	73757.1
R5IGXFR	19579	517.13	3240.17	0.0	63600.0
R6IGXFR	18165	557.26	3570.18	0.0	99600.0
R7IGXFR	20129	579.00	3585.24	0.0	96323.3
R8IGXFR	18469	681.86	4074.26	0.0	101108.1
R9IGXFR	17217	738.69	4415.17	0.0	136887.1
R10IGXFR	15372	896.68	4949.10	0.0	129662.3
S1IGXFR	10279	419.46	2693.94	0.0	60000.0
S2IGXFR	13672	234.26	1996.93	0.0	57600.0
S3IGXFR	12333	439.22	3020.39	0.0	80884.3
S4IGXFR	14515	479.07	3320.83	0.0	70290.8

S5IGXFR	13041	498.32	3458.64	0.0	63600.0
S6IGXFR	11859	544.47	3822.44	0.0	99600.0
S7IGXFR	13353	558.50	3832.36	0.0	96323.3
S8IGXFR	12052	675.82	4434.74	0.0	101108.1
S9IGXFR	11011	743.50	4862.60	0.0	136887.1
S10IGXFR	9672	891.78	5399.87	0.0	129662.3
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	15372	0.24	0.90	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	15372	3.10	3.83	0.0	9.0
R1FVET	12652	5.86	0.93	1.0	9.0
R2FVET	11420	5.92	0.81	1.0	9.0
R3FVET	17991	5.83	1.00	1.0	9.0
R4FVET	21384	5.82	1.04	1.0	9.0
R5FVET	19579	5.82	1.02	1.0	9.0
R6FVET	18165	5.81	0.99	1.0	9.0
R7FVET	20129	5.82	0.99	1.0	9.0
R8FVET	18469	5.80	1.02	1.0	9.0
R9FVET	17217	5.80	1.03	1.0	9.0
R10FVET	15372	5.79	1.08	1.0	9.0
S1FVET	12652	6.28	1.16	1.0	9.0
S2FVET	11420	6.35	1.08	1.0	9.0
S3FVET	17991	6.52	1.28	1.0	9.0
S4FVET	21384	6.54	1.30	1.0	9.0
S5FVET	19579	6.56	1.28	1.0	9.0
S6FVET	18165	6.59	1.27	1.0	9.0
S7FVET	20129	6.58	1.26	1.0	9.0
S8FVET	18469	6.59	1.29	1.0	9.0
S9FVET	17217	6.61	1.31	1.0	9.0
S10FVET	15372	6.63	1.33	1.0	9.0
R2FVET1	8222	5.85	0.96	1.0	9.0
S2FVET1	8222	6.83	1.25	1.0	9.0
R2FVET2	8222	6.02	0.18	1.0	9.0
S2FVET2	8222	6.91	0.99	1.0	9.0
H1FWELF	12652	5.93	0.72	1.0	9.0
H3FWELF	17991	5.98	0.52	1.0	9.0
H4FWELF	21384	6.00	0.51	1.0	9.0
H5FWELF	19579	6.00	0.41	1.0	9.0

H6FWELF	18165	5.99	0.36	1.0	9.0
H7FWELF	20129	5.99	0.38	1.0	9.0
H8FWELF	18469	6.00	0.35	1.0	9.0
H9FWELF	17217	5.99	0.38	1.0	9.0
H10FWELF	15372	6.01	0.39	1.0	9.0
R2FWELF	11420	5.97	0.65	1.0	9.0
S2FWELF	11420	6.40	0.92	1.0	9.0
H1FFOOD	12652	5.73	1.21	1.0	9.0
H2FFOOD	19642	5.77	1.16	1.0	9.0
H3FFOOD	17991	5.79	1.08	1.0	9.0
H4FFOOD	21384	5.82	1.04	1.0	9.0
H5FFOOD	19579	5.84	0.97	1.0	9.0
H6FFOOD	18165	5.83	0.95	1.0	9.0
H7FFOOD	20129	5.77	1.10	1.0	9.0
H8FFOOD	18469	5.75	1.13	1.0	9.0
H9FFOOD	17217	5.75	1.14	1.0	9.0
H10FFOOD	15372	5.70	1.25	1.0	9.0

Categorical Variable Codes

Value-----	R1IFGXFR	R2IFGXFR	R3IFGXFR	R4IFGXFR	R5IFGXFR	R6IFGXFR	R7IFGXFR	R8IFGXFR	R9IFGXFR	R10IFGXFR
0.no income	11251	17392	16027	19112	17634	16449	18052	16436	15253	13140
1.no imputations	1133	1568	1482	1697	1468	1310	1670	1642	1544	1541
2.some imputation	173	548	356	368	340	361	318	326	345	572
9.no Fin Resp	95	134	126	207	137	45	89	65	75	119

Value-----	S1IFGXFR	S2IFGXFR	S3IFGXFR	S4IFGXFR	S5IFGXFR	S6IFGXFR	S7IFGXFR	S8IFGXFR	S9IFGXFR	S10IFGXFR
0.no income	9365	12485	11333	13331	12076	11032	12345	11085	10064	8568
1.no imputations	693	742	720	794	705	594	754	763	716	738
2.some imputation	126	342	194	205	167	197	177	152	169	274
8.no Sp/Part->no incm	2373	5970	5658	6869	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	103	86	185	93	36	77	52	62	92

Value-----	R1FVET	R2FVET	R3FVET	R4FVET	R5FVET	R6FVET	R7FVET	R8FVET	R9FVET	R10FVET
.Q=Not asked this wv		8222								
1.continuous value	406	258	655	821	759	689	753	734	691	656
2.complete bracket			45	72	51	50	49	49	61	63
3.incomplete bracket			6	9	8	6	5	9	7	11
5.no value/bracket	49	24	96	54	65	64	68	74	59	66
6.no income	12051	10980	16995	20160	18496	17245	19109	17477	16280	14398
7.DK if income	51	34	68	61	63	66	56	61	44	59
9.no Fin Resp	95	124	126	207	137	45	89	65	75	119

Value-----	S1FVET	S2FVET	S3FVET	S4FVET	S5FVET	S6FVET	S7FVET	S8FVET	S9FVET	S10FVET
.Q=Not asked this wv		4549								
.U=Unmar		3673								
1.continuous value	298	186	408	495	437	381	404	406	383	365
2.complete bracket			31	44	28	32	33	28	42	26
3.incomplete bracket			3	4	4	5	5	6	7	7
5.no value/bracket	41	20	68	31	44	35	48	44	31	39
6.no income	9804	8789	11710	13720	12397	11328	12757	11489	10465	9106
7.DK if income	41	29	27	37	38	42	29	27	21	37
8.No spouse/partner	2373	2297	5658	6868	6538	6306	6776	6417	6206	5700
9.no Fin Resp	95	99	86	185	93	36	77	52	62	92

Value-----	R2FVET1
.Q=Not asked this wv	11420
1.continuous value	294
5.no value/bracket	29
6.no income	7660
7.DK if income	229
9.no Fin Resp	10

Value-----	S2FVET1
.Q=Not asked this wv	9123

.U=Unmar										
1.continuous value										
5.no value/bracket										
6.no income										
7.DK if income										
8.No spouse/partner										
9.no Fin Resp										
Value-----										
.Q=Not asked this wv										
1.continuous value										
6.no income										
7.DK if income										
9.no Fin Resp										
Value-----										
.Q=Not asked this wv										
.U=Unmar										
1.continuous value										
6.no income										
7.DK if income										
8.No spouse/partner										
9.no Fin Resp										
Value-----										
1.continuous value	H1FWELF	H3FWELF	H4FWELF	H5FWELF	H6FWELF	H7FWELF	H8FWELF	H9FWELF	H10FWELF	
2.complete bracket	230	146	147	79	68	68	55	60	40	
3.incomplete bracket					9	22	11	17	12	
5.no value/bracket	18	21	25	13	1	1	1	1	5	
6.no income	12255	17669	20950	19285	6	5	6	3	15129	
7.DK if income	54	29	55	65	88	63	53	53	67	
9.no Fin Resp	95	126	207	137	45	89	65	75	119	
Value-----										
.Q=Not asked this wv										
1.continuous value										
5.no value/bracket										
6.no income										
7.DK if income										
9.no Fin Resp										
Value-----										
.Q=Not asked this wv										
.U=Unmar										
1.continuous value										
5.no value/bracket										
6.no income										
7.DK if income										
8.No spouse/partner										
9.no Fin Resp										
Value-----										
1.continuous value	H1FFOOD	H2FFOOD	H3FFOOD	H4FFOOD	H5FFOOD	H6FFOOD	H7FFOOD	H8FFOOD	H9FFOOD	H10FFOOD
2.complete bracket	740	1043	827	870	707	634	942	937	869	929
3.incomplete bracket						27	46	42	46	40
5.no value/bracket	53	68	90	110	101	12	6	8	14	10
6.no income	11717	18125	16920	20125	18588	34	16	31	40	235
7.DK if income	47	272	28	72	46	91	40	38	47	72
9.no Fin Resp	95	134	126	207	137	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-reported respondent income is assigned as the spouse income.

How Constructed:

RwIGXFR sums the respondent's income from veteran's benefits, welfare, and food stamps. RwIFGXFR is a flag that indicates whether any components are imputed. A '1.continuous value' indicates that the respondent reports actual values and no imputed values are included in the sum.

SwIGXFR sums the spouse's income from veterans benefits, welfare, and food stamps. SwIFGXFR is a flag that indicates whether any components are imputed.

In all waves, veteran's 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 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 veteran's benefits and food stamps received in 1991. From Wave 2 forward, a monthly amount is asked. For veteran's 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. The variable derivation checks the months income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

The RwFVET, SwFVET, R2FVETn, S2FVETn, HwFFOOD, R2FWELF, S2FWELF, and HwFWELF flags indicate whether the components are imputed, and if so, how much information is available for the imputation to use.

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, R2FVET, S2FVET, R2FWELF, and S2FWELF are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort respondents, R2FVET1, S2FVET1, R2FVET2, and S2FVET2 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, veteran's 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 veteran's benefits and food stamps received in 1991. From Wave 2 forward, the amount of veteran's benefits received last month and the amount of food stamps in the latest month received are asked. For veteran's 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 doesn't know the value of monthly veteran's 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 veteran's 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.

For AHEAD respondents in Wave 2A, the income components corresponding to imputation flags R2FVET, S2FVET, R2FWELF, and S2FWELF are not available.

For HRS respondents in Wave 2H, the income components corresponding to imputation flags R2FVET1, S2FVET1, R2FVET2, and S2FVET2 are not available.

HRS Variables Used

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
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
 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.GOV'T 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
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	
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
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
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
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
 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
 LQ404M9 FOOD STAMPS-MONTH -9
 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_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_1M ANY MONTHS RECIEVED FOOD STAMPS - 1
 MQW778_2M ANY MONTHS RECIEVED FOOD STAMPS - 2

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
1	H1IFOTHR	H1IFOTHR:W1 IncFlag:Other Household Inc	Categ
2	H2IFOTHR	H2IFOTHR:W2 IncFlag:Other Household Inc	Categ
3	H3IFOTHR	H3IFOTHR:W3 IncFlag:Other Household Inc	Categ
4	H4IFOTHR	H4IFOTHR:W4 IncFlag:Other Household Inc	Categ
5	H5IFOTHR	H5IFOTHR:W5 IncFlag:Other Household Inc	Categ
6	H6IFOTHR	H6IFOTHR:W6 IncFlag:Other Household Inc	Categ
7	H7IFOTHR	H7IFOTHR:W7 IncFlag:Other Household Inc	Categ
8	H8IFOTHR	H8IFOTHR:W8 IncFlag:Other Household Inc	Categ
9	H9IFOTHR	H9IFOTHR:W9 IncFlag:Other Household Inc	Categ
10	H10IFOTHR	H10IFOTHR:W10 IncFlag:Other Household Inc	Categ
1	H1FALMNY	H1FALMNY:W1 ImpFlag-Alimony	Categ
2	H2FALMNY	H2FALMNY:W2 ImpFlag-Alimony	Categ
3	H3FALMNY	H3FALMNY:W3 ImpFlag-Alimony	Categ
4	H4FALMNY	H4FALMNY:W4 ImpFlag-Alimony	Categ
5	H5FALMNY	H5FALMNY:W5 ImpFlag-Alimony	Categ
6	H6FALMNY	H6FALMNY:W6 ImpFlag-Alimony	Categ
1	H1FINSLU	H1FINSLU:W1 ImpFlag-Insurance Lump Sum	Categ
1	H1FPENLU	H1FPENLU:W1 ImpFlag-Pension Lump Sum	Categ
1	H1FINHLU	H1FINHLU:W1 ImpFlag-Inheritance Lump Sum	Categ
2	H2FLUYR1	H2FLUYR1:W2 ImpFlag-Lump Sum LCY Inc #1	Categ
3	H3FLUYR1	H3FLUYR1:W3 ImpFlag-Lump Sum LCY Inc #1	Categ
4	H4FLUYR1	H4FLUYR1:W4 ImpFlag-Lump Sum LCY Inc #1	Categ
5	H5FLUYR1	H5FLUYR1:W5 ImpFlag-Lump Sum LCY Inc #1	Categ
6	H6FLUYR1	H6FLUYR1:W6 ImpFlag-Lump Sum LCY Inc #1	Categ
7	H7FLUYR1	H7FLUYR1:W7 ImpFlag-Lump Sum LCY Inc #1	Categ
8	H8FLUYR1	H8FLUYR1:W8 ImpFlag-Lump Sum LCY Inc #1	Categ
9	H9FLUYR1	H9FLUYR1:W9 ImpFlag-Lump Sum LCY Inc #1	Categ
10	H10FLUYR1	H10FLUYR1:W10 ImpFlag-Lump Sum LCY Inc #1	Categ
2	H2FLUYR2	H2FLUYR2:W2 ImpFlag-Lump Sum LCY Inc #2	Categ
3	H3FLUYR2	H3FLUYR2:W3 ImpFlag-Lump Sum LCY Inc #2	Categ
4	H4FLUYR2	H4FLUYR2:W4 ImpFlag-Lump Sum LCY Inc #2	Categ
5	H5FLUYR2	H5FLUYR2:W5 ImpFlag-Lump Sum LCY Inc #2	Categ
6	H6FLUYR2	H6FLUYR2:W6 ImpFlag-Lump Sum LCY Inc #2	Categ
7	H7FLUYR2	H7FLUYR2:W7 ImpFlag-Lump Sum LCY Inc #2	Categ
8	H8FLUYR2	H8FLUYR2:W8 ImpFlag-Lump Sum LCY Inc #2	Categ
9	H9FLUYR2	H9FLUYR2:W9 ImpFlag-Lump Sum LCY Inc #2	Categ
10	H10FLUYR2	H10FLUYR2:W10 ImpFlag-Lump Sum LCY Inc #2	Categ
2	H2FLUYR3	H2FLUYR3:W2 ImpFlag-Lump Sum LCY Inc #3	Categ
3	H3FLUYR3	H3FLUYR3:W3 ImpFlag-Lump Sum LCY Inc #3	Categ

4	H4FLUYR3	H4FLUYR3:W4	ImpFlag-Lump	Sum	LCY	Inc #3	Categ
5	H5FLUYR3	H5FLUYR3:W5	ImpFlag-Lump	Sum	LCY	Inc #3	Categ
6	H6FLUYR3	H6FLUYR3:W6	ImpFlag-Lump	Sum	LCY	Inc #3	Categ
7	H7FLUYR3	H7FLUYR3:W7	ImpFlag-Lump	Sum	LCY	Inc #3	Categ
8	H8FLUYR3	H8FLUYR3:W8	ImpFlag-Lump	Sum	LCY	Inc #3	Categ
9	H9FLUYR3	H9FLUYR3:W9	ImpFlag-Lump	Sum	LCY	Inc #3	Categ
10	H10FLUYR3	H10FLUYR3:W10	ImpFlag-Lump	Sum	LCY	Inc #3	Categ
1	H1FOTHIN	H1FOTHIN:W1	ImpFlag-Other	HH	Inc		Categ
2	R2FOTH1	R2FOTH1:W2	ImpFlag-Other	#1	Inc		Categ
2	S2FOTH1	S2FOTH1:W2	ImpFlag-Other	#1	Inc		Categ
2	R2FOTH2	R2FOTH2:W2	ImpFlag-Other	#2	Inc		Categ
2	S2FOTH2	S2FOTH2:W2	ImpFlag-Other	#2	Inc		Categ
2	R2FOTH3	R2FOTH3:W2	ImpFlag-Other	#3	Inc		Categ
2	S2FOTH3	S2FOTH3:W2	ImpFlag-Other	#3	Inc		Categ
2	H2FOTHI1	H2FOTHI1:W2	ImpFlag-Other	HH	Inc #1		Categ
2	H2FOTHI2	H2FOTHI2:W2	ImpFlag-Other	HH	Inc #2		Categ
3	H3FOTHI2	H3FOTHI2:W3	ImpFlag-Other	HH	Inc #2		Categ
4	H4FOTHI2	H4FOTHI2:W4	ImpFlag-Other	HH	Inc #2		Categ
5	H5FOTHI2	H5FOTHI2:W5	ImpFlag-Other	HH	Inc #2		Categ
6	H6FOTHI2	H6FOTHI2:W6	ImpFlag-Other	HH	Inc #2		Categ
7	H7FOTHI2	H7FOTHI2:W7	ImpFlag-Other	HH	Inc #2		Categ
8	H8FOTHI2	H8FOTHI2:W8	ImpFlag-Other	HH	Inc #2		Categ
9	H9FOTHI2	H9FOTHI2:W9	ImpFlag-Other	HH	Inc #2		Categ
10	H10FOTHI2	H10FOTHI2:W10	ImpFlag-Other	HH	Inc #2		Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1IOTHR	12652	1963.84	17278.44	0.0	950000.0
H2IOTHR	19642	2014.66	18076.87	0.0	1035000.0
H3IOTHR	17991	1341.27	12997.99	0.0	700000.0
H4IOTHR	21384	2039.53	21254.04	0.0	1000000.0
H5IOTHR	19579	3111.65	56382.18	0.0	5000000.0
H6IOTHR	18165	2034.69	24151.81	0.0	1200000.0
H7IOTHR	20129	2761.46	28273.54	0.0	1000000.0
H8IOTHR	18469	3213.08	58815.51	0.0	5024500.0
H9IOTHR	17217	2467.82	44097.94	0.0	5150000.0
H10IOTHR	15372	2810.13	34423.01	0.0	2000000.0
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	0.14	0.70	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	15372	0.18	0.87	0.0	9.0
H1FALMNY	12652	5.95	0.67	1.0	9.0

H2FALMNY	11420	5.98	0.62	1.0	9.0
H3FALMNY	17991	5.98	0.52	1.0	9.0
H4FALMNY	21384	5.99	0.54	1.0	9.0
H5FALMNY	19579	5.99	0.48	1.0	9.0
H6FALMNY	18165	5.98	0.44	1.0	9.0
H1FINSLU	12652	5.91	0.80	1.0	9.0
H1FPENLU	12652	5.95	0.69	1.0	9.0
H1FINHLU	12652	5.93	0.75	1.0	9.0
H2FLUYR1	19642	5.86	0.94	1.0	9.0
H3FLUYR1	17991	5.89	0.87	1.0	9.0
H4FLUYR1	21384	5.92	0.83	1.0	9.0
H5FLUYR1	19579	5.89	0.87	1.0	9.0
H6FLUYR1	18165	5.91	0.73	1.0	9.0
H7FLUYR1	20129	5.89	0.82	1.0	9.0
H8FLUYR1	18469	5.88	0.83	1.0	9.0
H9FLUYR1	17217	5.90	0.79	1.0	9.0
H10FLUYR1	15372	5.91	0.84	1.0	9.0
H2FLUYR2	19642	6.02	0.36	1.0	9.0
H3FLUYR2	17991	6.01	0.31	1.0	9.0
H4FLUYR2	21384	6.02	0.37	1.0	9.0
H5FLUYR2	19579	6.01	0.34	1.0	9.0
H6FLUYR2	18165	6.00	0.20	1.0	9.0
H7FLUYR2	20129	6.00	0.31	1.0	9.0
H8FLUYR2	18469	6.01	0.24	1.0	9.0
H9FLUYR2	17217	6.01	0.27	1.0	9.0
H10FLUYR2	15372	6.01	0.36	1.0	9.0
H2FLUYR3	19642	6.03	0.28	1.0	9.0
H3FLUYR3	17991	6.02	0.25	1.0	9.0
H4FLUYR3	21384	6.03	0.31	1.0	9.0
H5FLUYR3	19579	6.02	0.25	6.0	9.0
H6FLUYR3	18165	6.01	0.15	6.0	9.0
H7FLUYR3	20129	6.01	0.21	1.0	9.0
H8FLUYR3	18469	6.01	0.18	1.0	9.0
H9FLUYR3	17217	6.01	0.22	1.0	9.0
H10FLUYR3	15372	6.02	0.27	1.0	9.0
H1FOTHIN	12652	5.93	0.74	1.0	9.0
R2FOTH1	8222	5.78	1.10	1.0	9.0
S2FOTH1	8222	6.80	1.32	1.0	9.0
R2FOTH2	8222	5.99	0.37	1.0	9.0
S2FOTH2	8222	6.90	1.03	1.0	9.0
R2FOTH3	8222	6.01	0.20	1.0	9.0
S2FOTH3	8222	6.91	0.99	1.0	9.0
H2FOTH11	11420	5.88	0.93	1.0	9.0
H2FOTH12	11420	6.03	0.33	1.0	9.0
H3FOTH12	17991	5.85	0.96	1.0	9.0
H4FOTH12	21384	5.84	1.02	1.0	9.0
H5FOTH12	19579	5.83	1.01	1.0	9.0
H6FOTH12	18165	5.84	0.93	1.0	9.0

H7FOTHI2	20129	5.82	1.01	1.0	9.0
H8FOTHI2	18469	5.83	0.98	1.0	9.0
H9FOTHI2	17217	5.84	0.95	1.0	9.0
H10FOTHI2	15372	5.84	0.99	1.0	9.0

Categorical Variable Codes

Value-----	H1FOTHR	H2FOTHR	H3FOTHR	H4FOTHR	H5FOTHR	H6FOTHR	H7FOTHR	H8FOTHR	H9FOTHR	H10FOTHR
0.no income	11232	17254	16371	19207	17710	16718	18376	16951	15811	13939
1.no imputations	1093	1593	1210	1409	1369	1023	1220	1107	963	896
2.some imputation	232	661	284	561	363	379	444	346	368	418
9.no Fin Resp	95	134	126	207	137	45	89	65	75	119

Value-----	H1FALMNY	H2FALMNY	H3FALMNY	H4FALMNY	H5FALMNY	H6FALMNY
.Q=Not asked this wv		8222				
1.continuous value	189	130	146	174	130	117
2.complete bracket						7
5.no value/bracket	13	10	13	16	24	7
6.no income	12276	11141	17664	20865	19197	17861
7.DK if income	79	15	42	122	91	128
9.no Fin Resp	95	124	126	207	137	45

Value-----	H1FINSLU
1.continuous value	291
5.no value/bracket	32
6.no income	12161
7.DK if income	73
9.no Fin Resp	95

Value-----	H1FPENLU
1.continuous value	203
5.no value/bracket	25
6.no income	12261
7.DK if income	68
9.no Fin Resp	95

Value-----	H1FINHLU
1.continuous value	251
5.no value/bracket	40
6.no income	12192
7.DK if income	74
9.no Fin Resp	95

Value-----	H2FLUYR1	H3FLUYR1	H4FLUYR1	H5FLUYR1	H6FLUYR1	H7FLUYR1	H8FLUYR1	H9FLUYR1	H10FLUYR1
1.continuous value	629	470	469	520	354	481	470	394	376
2.complete bracket	40	42	64	37	18	51	35	18	23
5.no value/bracket	36	26	31	35	26	44	43	35	14
6.no income	18578	17187	20335	18698	17562	19327	17728	16511	14632
7.DK if income	225	140	278	152	160	137	128	184	208
9.no Fin Resp	134	126	207	137	45	89	65	75	119

Value-----	H2FLUYR2	H3FLUYR2	H4FLUYR2	H5FLUYR2	H6FLUYR2	H7FLUYR2	H8FLUYR2	H9FLUYR2	H10FLUYR2
1.continuous value	45	24	39	43	12	41	19	22	36
2.complete bracket	3	1				4		2	1
5.no value/bracket			7	1		3	1	2	
6.no income	19293	17833	21107	19397	18104	19984	18384	17110	15211
7.DK if income	167	7	24	1	4	8		6	5
9.no Fin Resp	134	126	207	137	45	89	65	75	119

Value-----	H2FLUYR3	H3FLUYR3	H4FLUYR3	H5FLUYR3	H6FLUYR3	H7FLUYR3	H8FLUYR3	H9FLUYR3	H10FLUYR3
1.continuous value	9	1	7			4	1	5	2
2.complete bracket			1				1		
5.no value/bracket			2				1		
6.no income	19344	17864	21162	19442	18118	20034	18401	17137	15251
7.DK if income	155		5		2	2			
9.no Fin Resp	134	126	207	137	45	89	65	75	119

Value-----	H1FOTHIN
1.continuous value	242
5.no value/bracket	28
6.no income	12204

7.DK if income	83								
9.no Fin Resp	95								
Value-----	R2FOTH1								
.Q=Not asked this wv	11420								
1.continuous value	394								
5.no value/bracket	78								
6.no income	7505								
7.DK if income	235								
9.no Fin Resp	10								
Value-----	S2FOTH1								
.Q=Not asked this wv	9123								
.U=Unmar	2297								
1.continuous value	183								
5.no value/bracket	29								
6.no income	4166								
7.DK if income	167								
8.No spouse/partner	3673								
9.no Fin Resp	4								
Value-----	R2FOTH2								
.Q=Not asked this wv	11420								
1.continuous value	37								
5.no value/bracket	6								
6.no income	8054								
7.DK if income	115								
9.no Fin Resp	10								
Value-----	S2FOTH2								
.Q=Not asked this wv	9123								
.U=Unmar	2297								
1.continuous value	18								
5.no value/bracket	3								
6.no income	4428								
7.DK if income	96								
8.No spouse/partner	3673								
9.no Fin Resp	4								
Value-----	R2FOTH3								
.Q=Not asked this wv	11420								
1.continuous value	5								
5.no value/bracket	1								
6.no income	8092								
7.DK if income	114								
9.no Fin Resp	10								
Value-----	S2FOTH3								
.Q=Not asked this wv	9123								
.U=Unmar	2297								
1.continuous value	1								
6.no income	4448								
7.DK if income	96								
8.No spouse/partner	3673								
9.no Fin Resp	4								
Value-----	H2FOTH1								
.Q=Not asked this wv	8222								
1.continuous value	352								
5.no value/bracket	46								
6.no income	10874								
7.DK if income	24								
9.no Fin Resp	124								
Value-----	H2FOTH2	H3FOTH2	H4FOTH2	H5FOTH2	H6FOTH2	H7FOTH2	H8FOTH2	H9FOTH2	H10FOTH2
.Q=Not asked this wv	8222								
1.continuous value	4	634	821	762	586	779	678	588	545
2.complete bracket					45	41	31	32	38
3.incomplete bracket					3	3	2	7	3
5.no value/bracket		41	92	56	27	42	35	27	43
6.no income	11290	17126	20084	18494	17298	18996	17523	16364	14472
7.DK if income	2	64	180	130	161	179	135	124	152
9.no Fin Resp	124	126	207	137	45	89	65	75	119

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-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. A '1.continuous value' indicates that the respondent reports actual values and no imputed values are included in the sum.

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 HwFvar flags indicate whether the components are imputed, and if so, how much information is available for the imputation to use.

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, H2FOTH1 and H2FOTH2 are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort respondents, R2FOTH1, R2FOTH2, R2FOTH3, S2FOTH1, S2FOTH2, and, S2FOTH3 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 doesn't 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 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 (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 H2FOTH11 and H2FOTH12 are not available.

For HRS respondents in Wave 2H, the income components corresponding to imputation flags R2FOTH1, R2FOTH2, R2FOTH3, S2FOTH1, S2FOTH2, and, S2FOTH3 are not available.

HRS Variables Used

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:

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
 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
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
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
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

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
2	H2ITOT2	H2ITOT2:W2 Income: Imputed Total HHold	Cont
1	H1IFTOT	H1IFTOT:W1 IncFlag: Total Household Inc	Categ
2	H2IFTOT	H2IFTOT:W2 IncFlag: Total Household Inc	Categ
3	H3IFTOT	H3IFTOT:W3 IncFlag: Total Household Inc	Categ
4	H4IFTOT	H4IFTOT:W4 IncFlag: Total Household Inc	Categ
5	H5IFTOT	H5IFTOT:W5 IncFlag: Total Household Inc	Categ
6	H6IFTOT	H6IFTOT:W6 IncFlag: Total Household Inc	Categ
7	H7IFTOT	H7IFTOT:W7 IncFlag: Total Household Inc	Categ
8	H8IFTOT	H8IFTOT:W8 IncFlag: Total Household Inc	Categ
9	H9IFTOT	H9IFTOT:W9 IncFlag: Total Household Inc	Categ
10	H10IFTOT	H10IFTOT:W10 IncFlag: Total Household Inc	Categ
2	H2IFTOT2	H2IFTOT2:W2 IncFlag: Imputed Total HHold	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ITOT	12652	47184.96	50045.35	0.0	1300000.0
H2ITOT	19642	42161.73	75334.71	0.0	3224859.7
H3ITOT	17991	45440.27	65916.57	0.0	3069952.9
H4ITOT	21384	49606.62	109667.60	0.0	7903681.0
H5ITOT	19579	52206.57	99967.99	0.0	5539024.0
H6ITOT	18165	51921.79	91177.28	0.0	7395294.0
H7ITOT	20129	59783.29	100247.70	0.0	3532388.0
H8ITOT	18469	64438.72	316986.95	0.0	25360026.0
H9ITOT	17217	66798.76	471155.91	0.0	60014376.0
H10ITOT	15372	59675.76	105827.63	0.0	6197150.0
H2ITOT2	8222	22327.45	26716.63	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	15372	1.49	0.77	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	H8IFTOT	H9IFTOT	H10IFTOT
0.no income	118	138	96	89	105	90	127	88	101	142
1.no imputations	9049	7057	5429	9595	8594	7442	9469	8821	8551	8241
2.some imputation	3390	12314	12340	11494	10743	10596	10462	9504	8501	6901
9.no Fin Resp	95	133	126	206	137	37	71	56	64	88

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 discussed in more detail in the "[Wealth and Income Imputations](#)" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-reported respondent income is assigned as the spouse income.

How Constructed:

HwITOT is the sum of all income in 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.

HRS Variables Used

HRS 1994:
B1648 J52. TOT FAM INC BEFORE TAX 1992/3

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
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
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
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
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
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
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
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H6INPOV	17705	0.09	0.29	0.0	1.0
H7INPOV	19669	0.10	0.29	0.0	1.0
H8INPOV	18031	0.09	0.29	0.0	1.0
H9INPOV	16776	0.09	0.29	0.0	1.0
H10INPOV	14910	0.11	0.31	0.0	1.0
H6INPOVR	17705	4.90	8.87	0.0	802.6
H7INPOVR	19669	5.24	8.32	0.0	369.0
H8INPOVR	18031	5.38	23.27	0.0	1939.1
H9INPOVR	16776	5.48	47.44	0.0	6035.2
H10INPOVR	14910	4.60	7.60	0.0	555.3
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	14910	221.72	111.32	100.0	908.0
H6POVHHI	17705	58307.16	93705.10	0.0	7395294.0
H7POVHHI	19669	66570.35	102838.35	0.0	3532388.0
H8POVHHI	18031	71535.94	321230.14	0.0	25360026.0
H9POVHHI	16776	74460.89	477560.40	0.0	60014376.0
H10POVHHI	14910	65510.72	98523.14	0.0	6197150.0
H6POVTHR	17705	11877.91	3466.38	8494.0	39223.0
H7POVTHR	19669	12685.92	3965.34	8825.0	40948.0
H8POVTHR	18031	13260.72	4066.75	9367.0	43254.0
H9POVTHR	16776	13875.61	4224.89	9944.0	45921.0
H10POVTHR	14910	14380.88	4489.78	10289.0	47109.0
H6INPOVA	18165	0.10	0.30	0.0	1.0
H7INPOVA	20129	0.10	0.30	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	15372	0.11	0.32	0.0	1.0
H6INPVRA	18165	4.83	8.78	0.0	802.6
H7INPVRA	20129	5.16	8.21	0.0	369.0
H8INPVRA	18469	5.29	23.00	0.0	1939.1
H9INPVRA	17217	5.38	46.83	0.0	6035.2
H10INPVRA	15372	4.56	8.63	0.0	555.3
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	15372	221.09	112.19	100.0	908.0
H6PVHHIA	18165	57508.22	92902.22	0.0	7395294.0
H7PVHHIA	20129	65716.18	102037.59	0.0	3532388.0

H8PVHHIA	18469	70690.69	317617.70	0.0	25360026.0
H9PVHHIA	17217	73322.12	471499.12	0.0	60014376.0
H10PVHHIA	15372	64919.23	106929.75	0.0	6197150.0
H6PVTHRA	18165	11843.70	3469.75	8494.0	39223.0
H7PVTHRA	20129	12681.83	4006.47	8825.0	40948.0
H8PVTHRA	18469	13268.08	4110.11	9367.0	43254.0
H9PVTHRA	17217	13857.20	4277.99	9944.0	45921.0
H10PVTHRA	15372	14354.64	4521.55	10289.0	47109.0
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	15372	0.08	0.47	0.0	3.0

Categorical Variable Codes

Value-----	H6INPOV	H7INPOV	H8INPOV	H9INPOV	H10INPOV
.I: R in nursing home	460	460	438	441	462
0.HH inc above pov thresh	16060	17793	16416	15209	13248
1.HH inc below pov thresh	1645	1876	1615	1567	1662

Value-----	H6POVFAM	H7POVFAM	H8POVFAM	H9POVFAM	H10POVFAM
.I: All core HH mem in inst	460	460	438	441	462
100: 1 in HH lt 65	1107	1336	1087	964	801
110: 1 in HH gt 65	2995	2942	3057	3079	2847
200: 2 in HH lt 65/0 kids	3383	3776	2975	2432	1986
201: 2 in HH lt 65/1 kid	288	361	247	179	183
210: 2 in HH gt 65/0 kids	5471	5651	5753	5826	5206
211: 2 in HH gt 65/1 kid	633	635	649	628	624
300: 3 in HH/0 kids	510	789	597	470	366
301: 3 in HH/1 kids	1423	1574	1444	1284	1139
302: 3 in HH/2 kids	307	356	328	321	318
400: 4 in HH/0 kids	160	289	216	174	112
401: 4 in HH/1 kids	309	385	312	278	241
402: 4 in HH/2 kids	394	544	442	355	336
403: 4 in HH/3 kids	53	81	90	79	68
500: 5 in HH/0 kids	30	79	40	33	22
501: 5 in HH/1 kids	101	151	115	85	76
502: 5 in HH/2 kids	147	181	166	136	148
503: 5 in HH/3 kids	68	113	106	95	86
504: 5 in HH/4 kids	19	22	29	23	19
600: 6 in HH/0 kids	10	22	19	16	14
601: 6 in HH/1 kids	36	33	40	36	24
602: 6 in HH/2 kids	61	68	76	84	48
603: 6 in HH/3 kids	60	39	55	39	58
604: 6 in HH/4 kids	17	22	21	20	26
605: 6 in HH/5 kids	1	3	3	5	8
700: 7 in HH/0 kids	6	4	5	1	2
701: 7 in HH/1 kids	7	22	8	8	8
702: 7 in HH/2 kids	28	40	36	32	25
703: 7 in HH/3 kids	14	22	26	13	31
704: 7 in HH/4 kids	5	13	17	12	11
705: 7 in HH/5 kids	3		4	5	11
706: 7 in HH/6 kids		1		2	1
800: 8 in HH/0 kids					5
801: 8 in HH/1 kids	1	6	6	2	3
802: 8 in HH/2 kids	5	23	11	8	10
803: 8 in HH/3 kids	6	16	14	13	9
804: 8 in HH/4 kids	4	12	8	4	6
805: 8 in HH/5 kids	4	7		6	3
806: 8 in HH/6 kids	7	4	2		
900: 9 in HH/0 kids	2	4	2	2	
901: 9 in HH/1 kids		4			
902: 9 in HH/2 kids		9	3	10	3
903: 9 in HH/3 kids	8	10	11	10	7
904: 9 in HH/4 kids	6	8	3	3	7
905: 9 in HH/5 kids	10	1	1	2	6
906: 9 in HH/6 kids	4	4			2
907: 9 in HH/7 kids	1	6	5	1	

	1	1	2	1	4
908: 9 in HH/8 kids					
Value-----	H6INPOVA	H7INPOVA	H8INPOVA	H9INPOVA	H10INPOVA
0.HH inc above pov thresh	16404	18135	16767	15541	13605
1.HH inc below pov thresh	1761	1994	1702	1676	1767
Value-----	H6PVFAMA	H7PVFAMA	H8PVFAMA	H9PVFAMA	H10PVFAMA
100: 1 in HH lt 65	1104	1334	1077	955	796
110: 1 in HH gt 65	3283	3202	3293	3382	3122
200: 2 in HH lt 65/0 kids	3339	3703	2896	2370	1953
201: 2 in HH lt 65/1 kid	287	362	255	185	190
210: 2 in HH gt 65/0 kids	5570	5742	5829	5905	5320
211: 2 in HH gt 65/1 kid	645	661	675	621	619
300: 3 in HH/0 kids	497	765	581	461	359
301: 3 in HH/1 kids	1487	1620	1518	1346	1181
302: 3 in HH/2 kids	324	376	350	323	311
400: 4 in HH/0 kids	158	288	209	163	110
401: 4 in HH/1 kids	324	418	337	295	253
402: 4 in HH/2 kids	414	587	482	393	376
403: 4 in HH/3 kids	53	87	98	82	71
500: 5 in HH/0 kids	30	79	42	35	22
501: 5 in HH/1 kids	105	151	115	88	82
502: 5 in HH/2 kids	151	186	170	137	152
503: 5 in HH/3 kids	68	127	111	99	93
504: 5 in HH/4 kids	19	22	30	25	22
600: 6 in HH/0 kids	10	21	21	14	13
601: 6 in HH/1 kids	36	37	44	36	24
602: 6 in HH/2 kids	61	75	80	90	50
603: 6 in HH/3 kids	60	39	61	44	61
604: 6 in HH/4 kids	17	22	26	23	28
605: 6 in HH/5 kids	1	3	3	5	8
700: 7 in HH/0 kids	6	4	5	1	2
701: 7 in HH/1 kids	7	23	8	8	8
702: 7 in HH/2 kids	28	40	37	30	25
703: 7 in HH/3 kids	14	22	26	14	27
704: 7 in HH/4 kids	5	13	17	11	12
705: 7 in HH/5 kids	3	2	5	5	11
706: 7 in HH/6 kids		1		2	1
800: 8 in HH/0 kids					5
801: 8 in HH/1 kids	1	4	6	2	4
802: 8 in HH/2 kids	5	23	11	10	10
803: 8 in HH/3 kids	6	16	12	14	9
804: 8 in HH/4 kids	4	12	8	4	10
805: 8 in HH/5 kids	4	7		8	3
806: 8 in HH/6 kids	7	4	2		
900: 9 in HH/0 kids	2	4	2	2	
901: 9 in HH/1 kids		4			
902: 9 in HH/2 kids		13	3	10	3
903: 9 in HH/3 kids	8	10	11	12	7
904: 9 in HH/4 kids	6	8	5	3	7
905: 9 in HH/5 kids	10	1	1	2	6
906: 9 in HH/6 kids	4	4			2
907: 9 in HH/7 kids	1	6	5	1	
908: 9 in HH/8 kids	1	1	2	1	4
Value-----	H6NHMLIV	H7NHMLIV	H8NHMLIV	H9NHMLIV	H10NHMLIV
0.No one in NHM	17641	19607	17972	16716	14834
1.One of cpl in NHM	128	125	118	121	154
2.Both of cpl in NHM	18	20	26	18	35
3.Single R, in NHM	378	377	353	362	349

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 discussed in more detail in the "Wealth and Income Imputations" section earlier in this document.

Generally, Wave 1 questions ask about 1991 income, Wave 2H asks about 1993 income, and Wave 2A and from Wave 3 forward, about income last calendar year, based on the Financial Respondent's interview year. In Waves 2A, 3H, 4, and 5 forward not all interviews are completely conducted in the same year.

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. Also included are flags for each HRS and AHEAD income component that indicate the level of imputation used for the individual component.

HRS and AHEAD income measures are reported at the household level. The Financial Respondent (FinR) reports income for both him/herself and his/her spouse or partner. The respondent income measures on this file are those of the FinR, if they are the same individual, and the spouse income measures are those of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse income is assigned as the respondent income and the FinR-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 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, HwPVHHA 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
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
HX061_MC	RELATIONSHIP TO R-UPDATED
HX063_MC	RELATIONSHIP HHM TO SP - UPDATED
HX067_MC	YEAR BORN-UPDATED
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
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
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
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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
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
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
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

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
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

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	30671	0.76	0.42	0.0	1.0
SASSRECV	23010	0.69	0.46	0.0	1.0

Categorical Variable Codes

Value-----	RASSRECV
0.no	7248
1.yes	23423
Value-----	SASSRECV
.U=Unmar	7661
0.no	7111
1.yes	15899

How Constructed:

RASSRECV is derived by looking at all waves of data. If R 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 R's spouses receives Social Security at any wave, SASSRECV is set to yes (=1). If R 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 (FinR) reports income for both him/herself and his/her spouse or partner. Through Wave 5, who receives Social Security income is taken from a variable with codes for FinR only, FinR's spouse only, or both. If both the FinR and the FinR's spouse receive it, then both RASSRECV and SASSRECV are set to yes. If the respondent is the FinR, then the code for FinR only sets RASSRECV to yes and the code for FinR's spouse only sets SASSRECV to yes. If the respondent is the FinR's spouse, then the code for FinR only sets SASSRECV to yes, and the code for FinR'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 FinR is asked if his/her spouse receives Social Security in the income section. For the FinR there is only one source for this information, from the employment section. The FinR's spouse's self-report is used first in deriving this variable, but if missing or if the spouse did not respond, the FinR'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 FinR 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 provides 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 FinR's response is carried from the employment section, and the FinR is then asked if the spouse receives any Social Security income. So there are two possible sources for whether the spouse of the FinR receives Social Security income: the FinR's report in the income section and the spouse's own response in the employment section.

HRS Variables Used

HRS 1992:	
V6001	N41:SS:RCV SOC SEC I:IMP
AHEAD 1993:	
B1376	J1. SS: RECEIVE ANY
HRS 1994:	
W6253	N23.SOCIAL SECURITY?
W6254	N23a.WHO RECEIVED SOCIAL
AHEAD 1995:	
D3875	J1.RECEIVE SOC SEC
D3885	J5.SP REC SS
HRS 1996:	
E3983	J45.SOC SEC INCOME
E3984	J46.WHO RECEIVE SOC SEC INCOME
HRS 1998:	
F4743	J45.SOC SEC INCOME
F4744	J46.WHO RECEIVE SOC SEC INCOME
HRS 2000:	
G5182	J45.SOC SEC INCOME
G5185	J46.WHO RECEIVE SOC SEC INCOME
HRS 2002:	
HJ478	CURRENTLY RECV SOC SEC INCOME
HQ106	WHO RECEIVED INC FROM SSI LAST MONTH
HRS 2004:	
JJ478	CURRENTLY RECV SOC SEC INCOME
JQ106	WHO RECEIVED INC FROM SSI LAST MONTH
JFINR	2004 WHETHER FINANCIAL RESPONDENT
HRS 2006:	
KJ478	CURRENTLY RECV SOC SEC INCOME
KQ106	WHO RECEIVED INC FROM SSI LAST MONTH
KFINR	2006 WHETHER FINANCIAL RESPONDENT
HRS 2008:	
LJ478	CURRENTLY RECV SOC SEC INCOME
LQ106	WHO RECEIVED INC FROM SSI LAST MONTH
LFINR	2008 WHETHER FINANCIAL RESPONDENT
HRS 2010:	
MJ478	CURRENTLY RECV SOC SEC INCOME
MQ106	WHO RECEIVED INC FROM SSI LAST MONTH
MFINR	2010 WHETHER FINANCIAL RESPONDENT
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

Age when started to receive Social Security
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Wave	Variable	Label	Type
1	RASSAGEM	RASSAGEM: Age/months R Start Rec. SocSec	Cont
1	SASSAGEM	SASSAGEM: Age/mnth 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	14655	734.79	71.43	109.0	1112.0
SASSAGEM	10354	739.95	64.18	229.0	1088.0
RASSAGEB	14655	61.25	5.95	9.1	92.7
SASSAGEB	10354	61.68	5.35	19.1	90.7

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 R 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; the age in years is 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 ago. 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 two years prior if the respondent started receiving more than two years ago, 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 (FinR) 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 FinR, if

they are the same individual, and the month when the spouse started is that of the FinR's spouse. If the respondent is the spouse of the FinR, then the FinR-reported respondent and spouse measures are swapped. That is, if the respondent is the FinR's spouse then the FinR-reported spouse start month is assigned as the respondent's start month and the FinR-reported respondent start is assigned as the spouse start month.

Cross Wave Differences in Original HRS Data

The Financial Respondent (FinR) answers all income questions for the household. If the FinR or the FinR'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 in Wave 2A, for unknown reasons, the majority of cases skip the question about whether the FinR'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 FinR'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

HRS 1992:

V6004 N41C:SS:MO BENEFTS BGAN
 V6013 N42B:SS:R1MO BENFT BGAN
 V6014 N42B:SS:R1YR BENFT BGAN
 V6022 N42B:SS:R2MO BENFT BGAN
 V6023 N42B:SS:R2YR BENFT BGAN
 V6031 N43B:SS:R1MO BENEFT BGAN
 V6032 N43B:SS:R1YR BENEFT BGAN
 V6108 N44B:SS:R2MO BENEFT BGAN
 V6109 N44B:SS:R2YR BENEFT BGAN

AHEAD 1993:

B1380 J2c. SS: R START >2YRS AGO
 B1381 J2d. SS: R START MONTH
 B1382 J2e. SS: R START YEAR
 B1391 J3b. SS: SP START >2YRS AGO
 B1392 J3c. SS: SP START MONTH
 B1393 J3d. SS: SP START YEAR

HRS 1994:

W6261 N23e.START RECEIVING SS-
 W6262 N23e.START RECEIVING SS-
 W6269 N23h.SP-START RECEIVING
 W6270 N23h.SP-START RECEIVING

AHEAD 1995:

D3882 J4. START SS IN LAST TWO YEARS
 D3883 J4A.MONTH START SOC SEC
 D3884 J4A.YEAR START SOC SEC

D3892 J7.START SS IN LAST 2 YEARS SP/PT
D3893 J7A.MONTH START SOC SEC SP/PT
D3894 J7B.YEAR START SOC SEC SP/PT
HRS 1996:
E3990 J48.R RECV SS BENEFITS START YEAR
E3991 J49.SS BENEFITS START MONTH
E4001 J50B1.SP BENEFITS START - YEAR
E4002 J50B2.SP BENEFITS START - MONTH
HRS 1998:
F4750 J48.R SS BENEFITS START YEAR
F4751 J49.R SS BENEFITS START MONTH
F4761 J50B1.SP SS BENEFITS START YEAR
F4762 J50B2.SP SS BENEFITS START MONTH
HRS 2000:
G5193 J48.R SS BENEFITS START YEAR
G5194 J49.R SS BENEFITS START MONTH
G5204 J50B1.SP SS BENEFITS START YEAR
G5205 J50B2.SP SS BENEFITS START MONTH
HRS 2002:
HQ089 R YEAR STARTED TO RECEIVE SS BENEFITS
HQ090 R MONTH STARTED TO RECEIVE SS BENEFITS
HQ095 SP YEAR STARTED TO RECEIVE SS BENEFITS
HQ096 SP MONTH STARTED TO RECEIVE SS BENEFITS
HRS 2004:
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
JFINR 2004 WHETHER FINANCIAL RESPONDENT
HRS 2006:
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
KFINR 2006 WHETHER FINANCIAL RESPONDENT
HRS 2008:
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
LFINR 2008 WHETHER FINANCIAL RESPONDENT
HRS 2010:
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
MFINR 2010 WHETHER FINANCIAL RESPONDENT
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

Ever applied for SSI or SS Disability (SSDI)

Wave	Variable	Label	Type
1	RADIEVER	RADIEVER: Ever applied for SSDI/SSI	Categ
1	S1DIEVER	S1DIEVER: Ever applied for SSDI/SSI	Categ
2	S2DIEVER	S2DIEVER: Ever applied for SSDI/SSI	Categ
3	S3DIEVER	S3DIEVER: Ever applied for SSDI/SSI	Categ
4	S4DIEVER	S4DIEVER: Ever applied for SSDI/SSI	Categ
5	S5DIEVER	S5DIEVER: Ever applied for SSDI/SSI	Categ
6	S6DIEVER	S6DIEVER: Ever applied for SSDI/SSI	Categ
7	S7DIEVER	S7DIEVER: Ever applied for SSDI/SSI	Categ
8	S8DIEVER	S8DIEVER: Ever applied for SSDI/SSI	Categ
9	S9DIEVER	S9DIEVER: Ever applied for SSDI/SSI	Categ
10	S10DIEVER	S10DIEVER: Ever applied for SSDI/SSI	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIEVER	28381	0.15	0.36	0.0	1.0
S1DIEVER	10110	0.17	0.38	0.0	1.0
S2DIEVER	12435	0.13	0.34	0.0	1.0
S3DIEVER	11649	0.13	0.34	0.0	1.0
S4DIEVER	14284	0.13	0.34	0.0	1.0
S5DIEVER	12887	0.13	0.34	0.0	1.0
S6DIEVER	11740	0.13	0.34	0.0	1.0
S7DIEVER	13160	0.13	0.33	0.0	1.0
S8DIEVER	11906	0.13	0.33	0.0	1.0
S9DIEVER	10864	0.12	0.33	0.0	1.0
S10DIEVER	9489	0.12	0.32	0.0	1.0

Categorical Variable Codes

Value-----	RADIEVER
.M=other missing	120
.Q=Not asked this wave	2170
0.No	24061
1.Yes	4320

Value-----	S1DIEVER	S2DIEVER	S3DIEVER	S4DIEVER	S5DIEVER	S6DIEVER	S7DIEVER	S8DIEVER	S9DIEVER	S10DIEVER
.M=other missing	32	56	47	50	52	42	40	28	18	18
.Q=Not asked this wave		956	486							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	137	225	151	181	102	77	152	118	129	165
0.No	8370	10757	10090	12388	11209	10216	11486	10405	9545	8357
1.Yes	1740	1678	1559	1896	1678	1524	1674	1501	1319	1132

How Constructed:

RADIEVER is derived by looking at all waves of data. If the respondent reports applying for any disability program, then a follow-up question about what type of program is asked. If the type of program is Supplemental Security Income (SSI) or Social Security disability at any wave, RADIEVER is set to yes (=1).

Before Wave 5, Social Security disability and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the respondent reports applying for either program, RADIEVER is set to yes.

Please see the description of the RADITYPE variable under "Type of Disability". RADITYPE gives the type of disability program, with Social Security and SSI separated if the information is provided in Wave 5 or beyond.

SwDIEVER indicates whether the respondent's Wave 'w' spouse or partner ever applied for SSI/Social Security disability benefits. It is taken from the spouse's RADIEVER if the spouse ever responds.

In Wave 2A and 3A, there are no comparable questions and so for Ahead respondents with no information in other waves, the values are set to the .Q SAS special missing value, to indicate that no information is available.

In Version D, variables providing more detailed information about disability are added and the R5DSSEVR and R5DSIEVR variables are dropped. A wave-specific disability status variable is also added. See "SSDI/SSI Disability Episodes" and "Wave-specific Disability Status".

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, 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. One of the answers is SSDI and/or SSI, that is the two are combined in the possible responses. Beginning in Wave 5, the question wording is the same but SSDI and SSI may be specified separately, making it possible to identify those with just SSDI, just SSI, and those with both.

In Waves 2A and 3A, questions about disability benefits were not asked due to the older ages of the Ahead entry cohort.

HRS Variables Used

HRS 1992:	
V4706	J123:EVR APPLD DISAB BEN
HRS 1994:	
W5268	J23.APPLY FOR OTHER DISA
W5269	J24.DISABILITY PROGRAM
W5270	J24.DISABILITY PROGRAM
W5271	J24.DISABILITY PROGRAM
HRS 1996:	
E3589	GD23. APPLY OTHER DISABILITY
E3595M1	GD24. DISABILITY PROGRAMS
E3595M2	GD24. DISABILITY PROGRAMS
E3595M3	GD24. DISABILITY PROGRAMS
HRS 1998:	
F4123	GD23. APPLY OTHER DISABILITY
F4124M1	GD24. DISABILITY PROGRAMS
F4124M2	GD24. DISABILITY PROGRAMS
F4124M3	GD24. DISABILITY PROGRAMS
F4489	GJ123.EVER APPLY FOR SSD OR SSI

HRS 2000:
G4453 GD23. APPLY OTHER DISABILITY
G4454M1 GD24. DISABILITY PROGRAMS
G4454M2 GD24. DISABILITY PROGRAMS
G4454M3 GD24. DISABILITY PROGRAMS
G4862 GJ123.EVER APPLY FOR SSDI
G4881 GJ125.EVER APPLY FOR SSI

HRS 2002:
HM036 HM036 APPLY OTR DISABILITY
HM037M1 HM037M1 DISABILITY PROGRAMS-1
HM037M2 HM037M2 DISABILITY PROGRAMS-2
HM037M3 HM037M3 DISABILITY PROGRAMS-3
HM645 EVER APPLY FOR SSDI
HM651 EVER APPLY FOR SSI

HRS 2004:
JM036 HM036 APPLY OTR DISABILITY
JM037M1 HM037M1 DISABILITY PROGRAMS-1
JM037M2 HM037M2 DISABILITY PROGRAMS-2
JM037M3 HM037M3 DISABILITY PROGRAMS-3
JM645 HM645 EVER APPLY FOR SSDI
JM651 HM651 EVER APPLY FOR SSI

HRS 2006:
KM036 HM036 APPLY OTR DISABILITY
KM037M1 HM037M1 DISABILITY PROGRAMS-1
KM037M2 HM037M2 DISABILITY PROGRAMS-2
KM037M3 HM037M3 DISABILITY PROGRAMS-3
KM645 HM645 EVER APPLY FOR SSDI
KM651 HM651 EVER APPLY FOR SSI

HRS 2008:
LM036 HM036 APPLY OTR DISABILITY
LM037M1 HM037M1 DISABILITY PROGRAMS-1
LM037M2 HM037M2 DISABILITY PROGRAMS-2
LM037M3 HM037M3 DISABILITY PROGRAMS-3
LM645 HM645 EVER APPLY FOR SSDI
LM651 HM651 EVER APPLY FOR SSI

HRS 2010:
MM036 HM036 APPLY OTR DISABILITY
MM037M1 HM037M1 DISABILITY PROGRAMS-1
MM037M2 HM037M2 DISABILITY PROGRAMS-2
MM037M3 HM037M3 DISABILITY PROGRAMS-3
MM645 HM645 EVER APPLY FOR SSDI
MM651 HM651 EVER APPLY FOR SSI

Month and year applied for SSI or SSDI benefits
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Wave	Variable	Label	Type
1	RADIAPM	RADIAPM: Month applied for SSDI/SSI	Cont
1	S1DIAPM	S1DIAPM: Month applied for SSDI/SSI	Cont
2	S2DIAPM	S2DIAPM: Month applied for SSDI/SSI	Cont
3	S3DIAPM	S3DIAPM: Month applied for SSDI/SSI	Cont
4	S4DIAPM	S4DIAPM: Month applied for SSDI/SSI	Cont
5	S5DIAPM	S5DIAPM: Month applied for SSDI/SSI	Cont
6	S6DIAPM	S6DIAPM: Month applied for SSDI/SSI	Cont
7	S7DIAPM	S7DIAPM: Month applied for SSDI/SSI	Cont
8	S8DIAPM	S8DIAPM: Month applied for SSDI/SSI	Cont
9	S9DIAPM	S9DIAPM: Month applied for SSDI/SSI	Cont
10	S10DIAPM	S10DIAPM: Month applied for SSDI/SSI	Cont
1	RADIAPY	RADIAPY: Year applied for SSDI/SSI	Cont
1	S1DIAPY	S1DIAPY: Year applied for SSDI/SSI	Cont
2	S2DIAPY	S2DIAPY: Year applied for SSDI/SSI	Cont
3	S3DIAPY	S3DIAPY: Year applied for SSDI/SSI	Cont
4	S4DIAPY	S4DIAPY: Year applied for SSDI/SSI	Cont
5	S5DIAPY	S5DIAPY: Year applied for SSDI/SSI	Cont
6	S6DIAPY	S6DIAPY: Year applied for SSDI/SSI	Cont
7	S7DIAPY	S7DIAPY: Year applied for SSDI/SSI	Cont
8	S8DIAPY	S8DIAPY: Year applied for SSDI/SSI	Cont
9	S9DIAPY	S9DIAPY: Year applied for SSDI/SSI	Cont
10	S10DIAPY	S10DIAPY: Year applied for SSDI/SSI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIAPM	3011	5.66	3.52	1.0	12.0
S1DIAPM	1335	5.83	3.48	1.0	12.0
S2DIAPM	1295	5.74	3.48	1.0	12.0
S3DIAPM	1229	5.76	3.50	1.0	12.0
S4DIAPM	1499	5.73	3.55	1.0	12.0
S5DIAPM	1325	5.71	3.54	1.0	12.0
S6DIAPM	1184	5.73	3.54	1.0	12.0
S7DIAPM	1197	5.81	3.53	1.0	12.0
S8DIAPM	1065	5.79	3.54	1.0	12.0
S9DIAPM	928	5.72	3.52	1.0	12.0
S10DIAPM	785	5.74	3.51	1.0	12.0
RADIAPY	4085	1991.75	9.89	1940.0	2011.0
S1DIAPY	1682	1991.08	8.30	1940.0	2010.0
S2DIAPY	1597	1990.78	8.94	1940.0	2010.0
S3DIAPY	1496	1991.05	8.96	1940.0	2010.0
S4DIAPY	1819	1992.10	9.37	1940.0	2010.0
S5DIAPY	1619	1992.56	9.34	1940.0	2010.0
S6DIAPY	1471	1993.05	9.27	1940.0	2010.0
S7DIAPY	1622	1994.64	9.15	1946.0	2010.0
S8DIAPY	1455	1995.00	9.21	1946.0	2010.0
S9DIAPY	1287	1995.42	9.04	1946.0	2010.0
S10DIAPY	1105	1995.67	8.94	1965.0	2011.0

How Constructed:

RADIAPM and RADIAPY are the month and year the respondent first applied for disability benefits. They are taken from the first interview at which the respondent reports applying for Supplemental Security Income (SSI) or Social Security disability (SSDI).

From Wave 2 forward, if different months are given for the month first applied ever and month first applied since last interview, the dates are compared and the earliest is used for the interview.

Before Wave 5, SSDI and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the respondent reports applying for either program, then the earliest of these reported application months is used in deriving RADIAPM and RADIAPY.

Please see the description of the RADITYPE variable under "Type of Disability". RADITYPE gives the type of disability program, with Social Security and SSI separated if the information is provided in Wave 5 or beyond.

SwDIAPM and SwDIAPY give the first month and year that the respondent's Wave 'w' spouse or partner applied for SSI/Social Security DI benefits. It is taken from the spouse's RADIAPM and RADIAPY if the spouse ever responds.

If RADIEVER is missing, then RADIAPM and RADIAPY are set to the special missing value .S, for skipped.

In Wave 2A and 3A, there are no comparable questions and so for Ahead respondents with no information in other waves, the values are set to the .Q SAS special missing value, to indicate that no information is available.

Starting in Version D, variables providing more detailed information about disability are added and the R5DSSAPM, R5DSSAPY, R5DSIAPM, and R5DSIAPY variables are dropped. A wave-specific disability status variable is also added. See "SSDI/SSI Disability Episodes" and "Wave-specific Disability Status".

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, when he/she first applied.

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, a question asks when he/she first applied. If the month given is before the last interview, a second question asks when he/she first applied since the last interview. Occasionally the month given in answer to the second question is earlier than that given to the first question.

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 SSDI then a question asks when he/she first applied for SSDI. If an SSI application is reported, then another question asks when he/she first applied for SSI.

In Wave 2A and 3A, there are no comparable questions.

HRS Variables Used

HRS 1992:
 V4707 J123A:MO 1ST APPLIED
 V4708 J123A:YR 1ST APPLIED
 HRS 1994:
 W5274 J26a.SSD/SSI APPLY-MONTH
 W5275 J26a1.SSD/SSI APPLY-YEAR
 W5276 J26a2.FIRST APPLY-MONTH
 W5277 J26a3.FIRST APPLY-YEAR
 HRS 1996:
 E3596 GD26A. SS APPLY-MONTH
 E3597 GD26A1. SS APPLY-YR
 E3598 GD26A2. CHECK MONTH
 E3599 GD26A3. CHECK YR
 HRS 1998:
 F4125 GD26A. SS APPLY-MONTH
 F4126 GD26A1. SS APPLY-YR
 F4127 GD26A2. CHECK MONTH
 F4128 GD26A3. CHECK YR
 F4490 GJ123A.FIRST APPLIED SS - MONTH
 F4491 GJ123A1.FIRST APPLIED SS - YEAR
 HRS 2000:
 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
 G4473 GD27A. SSI APPLY-MONTH
 G4474 GD27A1. SSI APPLY-YR
 G4863 GJ123A.FIRST APPLIED SSDI - YEAR
 G4864 GJ123A2.FIRST APPLIED SSDI - MONTH
 G4882 GJ125A1.FIRST APPLIED SSI - YEAR
 G4883 GJ125A2.FIRST APPLIED SSI - MONTH
 HRS 2002:
 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
 HM041A HM041A SSD APPLY-MO
 HM041B HM041B SSD APPLY-YR
 HM646 1ST APPLIED SSDI - YR
 HM647 1ST APPLIED SSDI - MO
 HM652 1ST APPLIED SSI - YR
 HM653 1ST APPLIED SSI - MO
 HRS 2004:
 JM646 HM646 1ST APPLIED SSDI - YR
 JM647 HM647 1ST APPLIED SSDI - MO
 JM652 HM652 1ST APPLIED SSI - YR
 JM653 HM653 1ST APPLIED SSI - MO
 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
 JMW252A HM040D SSD APPLY SINCE PREV WAVE-YR
 HRS 2006:
 KM646 HM646 1ST APPLIED SSDI - YR
 KM647 HM647 1ST APPLIED SSDI - MO
 KM652 HM652 1ST APPLIED SSI - YR
 KM653 HM653 1ST APPLIED SSI - MO

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
KMW252A HM040D SSD APPLY SINCE PREV WAVE-YR

HRS 2008:

LM646 HM646 1ST APPLIED SSDI - YR
LM647 HM647 1ST APPLIED SSDI - MO
LM652 HM652 1ST APPLIED SSI - YR
LM653 HM653 1ST APPLIED SSI - MO
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
LMW252A HM040D SSD APPLY SINCE PREV WAVE-YR

HRS 2010:

MM646 HM646 1ST APPLIED SSDI - YR
MM647 HM647 1ST APPLIED SSDI - MO
MM652 HM652 1ST APPLIED SSI - YR
MM653 HM653 1ST APPLIED SSI - MO
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
MMW252A HM040D SSD APPLY SINCE PREV WAVE-YR

Appealed or re-applied for SSI or SSDI benefits
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Wave	Variable	Label	Type
1	RADIREAP	RADIREAP: Ever appealed for SSDI/SSI	Categ
1	S1DIREAP	S1DIREAP: Ever appealed for SSDI/SSI	Categ
2	S2DIREAP	S2DIREAP: Ever appealed for SSDI/SSI	Categ
3	S3DIREAP	S3DIREAP: Ever appealed for SSDI/SSI	Categ
4	S4DIREAP	S4DIREAP: Ever appealed for SSDI/SSI	Categ
5	S5DIREAP	S5DIREAP: Ever appealed for SSDI/SSI	Categ
6	S6DIREAP	S6DIREAP: Ever appealed for SSDI/SSI	Categ
7	S7DIREAP	S7DIREAP: Ever appealed for SSDI/SSI	Categ
8	S8DIREAP	S8DIREAP: Ever appealed for SSDI/SSI	Categ
9	S9DIREAP	S9DIREAP: Ever appealed for SSDI/SSI	Categ
10	S10DIREAP	S10DIREAP: Ever appealed for SSDI/SSI	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIREAP	28472	0.04	0.20	0.0	1.0
S1DIREAP	10127	0.05	0.22	0.0	1.0
S2DIREAP	12485	0.04	0.19	0.0	1.0
S3DIREAP	11688	0.04	0.19	0.0	1.0
S4DIREAP	14329	0.03	0.18	0.0	1.0
S5DIREAP	12932	0.03	0.18	0.0	1.0
S6DIREAP	11776	0.03	0.18	0.0	1.0
S7DIREAP	13193	0.03	0.18	0.0	1.0
S8DIREAP	11930	0.03	0.18	0.0	1.0
S9DIREAP	10878	0.03	0.18	0.0	1.0
S10DIREAP	9502	0.03	0.18	0.0	1.0

Categorical Variable Codes

Value-----	RADIREAP
.M=other missing	29
.Q=Not asked this wave	2170
0.No	27316
1.Yes	1156

Value-----	S1DIREAP	S2DIREAP	S3DIREAP	S4DIREAP	S5DIREAP	S6DIREAP	S7DIREAP	S8DIREAP	S9DIREAP	S10DIREAP
.M=other missing	13	9	8	6	8	6	7	6	5	4
.Q=Not asked this wave		956	486							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	139	222	151	180	101	77	152	116	128	166
0.No	9610	12030	11259	13834	12492	11369	12734	11516	10516	9192
1.Yes	517	455	429	495	440	407	459	414	362	310

How Constructed:

RADIREAP is derived by looking at all waves of data. If the respondent reports appealing or reapplying for Supplemental Security Income (SSI) or Social Security disability (SSDI) at any wave, RADIREAP is set to yes (=1).

Before Wave 5, SSDI and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the respondent reports reapplying for either program, then RADIREAP is set to yes.

Please see the description of the RADITYPE variable under "Type of Disability". RADITYPE gives the type of disability program, with Social Security and SSI separated if the information is provided in Wave 5 or beyond.

SwDIREAP indicates whether the respondent's Wave 'w' spouse or partner ever reapplied for SSI/Social Security disability benefits. It is taken from the spouse's RADIREAP if the spouse ever responds.

In Wave 2A and 3A, there are no comparable questions and so for Ahead respondents with no information in other waves, the values are set to the .Q SAS special missing value, to indicate that no information is available.

In Version D, variables providing more detailed information about disability are added and the R5DSSREA and R5DSIREA variables are dropped. A wave-specific disability status variable is also added. See "SSDI/SSI Disability Episodes" and "Wave-specific Disability Status".

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.

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 a question asks if he/she is receiving benefits. If not, another question asks whether he/she has appealed or re-applied.

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. If an SSI application without approval is reported, then another question asks if he/she has appealed or re-applied for SSI.

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, then he/she is asked what type of benefit was applied for and if that application was approved. 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 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:
V4710 J123C:APPEAL/APPLY AGAIN
HRS 1994:

W5279 J26c.APPEAL/APPLY LATER
HRS 1996:
E3601 GD26C. SS-APPLY AGAIN
HRS 1998:
F4130 GD26C. SS-APPLY AGAIN
F4493 GJ123C.SS APPEALED OR APPLY AGAIN
HRS 2000:
G4400 GD18DA. SSDI-APPLY AGAIN
G4420 GD18EH. SSI-APPLY AGAIN
G4460 GD26C.SSD WHETHER APPLIED AGAIN
G4478 GD27C. SSI-APPLY AGAIN
G4866 GJ123C.SSDI APPEALED OR APPLY AGAIN
G4885 GJ125C.SSI APPEALED OR APPLY AGAIN
HRS 2002:
HM032N HM032N SSDI-APPLY AGAIN
HM033L HM033L SSI-APPLY AGAIN
HM040F HM040F SSDI-APPLY AGAIN
HM041F HM041F SSI-APPLY AGAIN
HM648N SSDI-APPLY AGAIN
HM654J SSI-APPLY AGAIN
HRS 2004:
JMW245A HM040F SSDI-APPLY AGAIN -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
HRS 2006:
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
HRS 2008:
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
HRS 2010:
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

Month and year appealed or re-applied for SSI or SSDI benefits

Wave	Variable	Label	Type
1	RADIREM	RADIREM: Month appealed for SSDI/SSI	Cont
1	S1DIREM	S1DIREM: Month appealed for SSDI/SSI	Cont
2	S2DIREM	S2DIREM: Month appealed for SSDI/SSI	Cont
3	S3DIREM	S3DIREM: Month appealed for SSDI/SSI	Cont
4	S4DIREM	S4DIREM: Month appealed for SSDI/SSI	Cont
5	S5DIREM	S5DIREM: Month appealed for SSDI/SSI	Cont
6	S6DIREM	S6DIREM: Month appealed for SSDI/SSI	Cont
7	S7DIREM	S7DIREM: Month appealed for SSDI/SSI	Cont
8	S8DIREM	S8DIREM: Month appealed for SSDI/SSI	Cont
9	S9DIREM	S9DIREM: Month appealed for SSDI/SSI	Cont
10	S10DIREM	S10DIREM: Month appealed for SSDI/SSI	Cont
1	RADIREY	RADIREY: Year appealed for SSDI/SSI	Cont
1	S1DIREY	S1DIREY: Year appealed for SSDI/SSI	Cont
2	S2DIREY	S2DIREY: Year appealed for SSDI/SSI	Cont
3	S3DIREY	S3DIREY: Year appealed for SSDI/SSI	Cont
4	S4DIREY	S4DIREY: Year appealed for SSDI/SSI	Cont
5	S5DIREY	S5DIREY: Year appealed for SSDI/SSI	Cont
6	S6DIREY	S6DIREY: Year appealed for SSDI/SSI	Cont
7	S7DIREY	S7DIREY: Year appealed for SSDI/SSI	Cont
8	S8DIREY	S8DIREY: Year appealed for SSDI/SSI	Cont
9	S9DIREY	S9DIREY: Year appealed for SSDI/SSI	Cont
10	S10DIREY	S10DIREY: Year appealed for SSDI/SSI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIREM	784	5.62	3.26	1.0	12.0
S1DIREM	364	5.75	3.15	1.0	12.0
S2DIREM	319	5.70	3.19	1.0	12.0
S3DIREM	305	5.63	3.16	1.0	12.0
S4DIREM	354	5.60	3.24	1.0	12.0
S5DIREM	318	5.57	3.23	1.0	12.0
S6DIREM	291	5.46	3.18	1.0	12.0
S7DIREM	310	5.56	3.25	1.0	12.0
S8DIREM	278	5.74	3.21	1.0	12.0
S9DIREM	243	5.81	3.30	1.0	12.0
S10DIREM	209	5.89	3.24	1.0	12.0
RADIREY	1092	1993.17	7.84	1958.0	2011.0
S1DIREY	493	1991.38	6.46	1968.0	2010.0
S2DIREY	434	1991.54	6.45	1968.0	2010.0
S3DIREY	409	1991.69	6.47	1968.0	2010.0
S4DIREY	470	1992.65	7.11	1968.0	2010.0
S5DIREY	417	1992.53	7.40	1968.0	2010.0
S6DIREY	384	1993.01	7.39	1972.0	2010.0
S7DIREY	439	1994.74	8.15	1972.0	2011.0
S8DIREY	396	1995.25	8.23	1974.0	2011.0
S9DIREY	349	1995.69	8.24	1974.0	2011.0
S10DIREY	299	1995.70	8.44	1974.0	2011.0

How Constructed:

RADIREM and RADIREY are the month and year the respondent first appealed or reapplied for disability benefits. They are taken from the first interview at which the respondent reports appealing or reapplying for Supplemental Security Income (SSI) or Social Security disability (SSDI).

Before Wave 5, SSDI and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the respondent reports reapplying for either program, then the earliest of these reported reapplication months is used in deriving RADIREM and RADIREY.

Please see the description of the RADITYPE variable under "Type of Disability". RADITYPE gives the type of disability program, with Social Security and SSI separated if the information is provided in Wave 5 or beyond.

SwDIREM and SwDIREY give the first month and year that the respondent's Wave 'w' spouse or partner reapplied for SSI/Social Security DI benefits. It is taken from the spouse's RADIREM and RADIREY if the spouse ever responds.

If RADIREAP is missing, then RADIREM and RADIREY are set to the special missing value .S, for skipped.

In Wave 2A and 3A, there are no comparable questions and so for Ahead respondents with no information in other waves, the values are set to the .Q SAS special missing value, to indicate that no information is available.

In Version D, variables providing more detailed information about disability are added and the R5DSSREM, R5DSSREY, R5DSIREM, and R5DSIREY variables are dropped. A wave-specific disability status variable is also added. See "SSDI/SSI Disability Episodes" and "Wave-specific Disability Status".

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, when the last re-application was made.

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, then he/she is asked what type

of benefit was applied for and if that application was approved. From Wave 5 forward, if the prior wave application was not approved, the respondent is asked if he/she has appealed or reapplied, and if so, when. 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

HRS 1992:	
V4711	J123D:MO LST APPLIED
V4712	J123D:YR LAST APPLIED
HRS 1994:	
W5280	J26d.SSD/SSI LAST APPLY-
W5281	J26d1.SSD/SSI LAST APPLY
HRS 1996:	
E3602	GD26D. SS-LAST APPLY MONTH
E3603	GD26D1. SS-LAST APPLY YR
HRS 1998:	
F4131	GD26D. SS-LAST APPLY MONTH
F4132	GD26D1. SS-LAST APPLY YR
F4494	GJ123D.SS APPEALED - MONTH
F4495	GJ123D1.SS APPEALED - YEAR
HRS 2000:	
G4401	GD18DB. SSDI-LAST APPLY MONTH
G4402	GD18DC. SSDI-LAST APPLY YR
G4421	GD18EJ. SSI-LAST APPLY MONTH
G4422	GD18EK. SSI-LAST APPLY YR
G4461	GD26D.SSD LAST APPLICATION-MO
G4462	GD26D1.SSD LAST APPLICATION-YR
G4479	GD27D. SSI-LAST APPLY MONTH
G4480	GD27D1. SSI-LAST APPLY YR
G4867	GJ123D.SSDI APPEALED - YR
G4868	GJ123D2.SSDI APPEALED - MO
G4886	GJ125D1.SSI APPEALED - YR
G4887	GJ125D2.SSI APPEALED - MO
HRS 2002:	
HM032O	HM032O SSDI-LAST APPLY MO
HM032P	HM032P SSDI-LAST APPLY YR
HM033N	HM033N SSI-LAST APPLY MO
HM033O	HM033O SSI-LAST APPLY YR
HM041G	HM041G SSI-LAST APPLY MO
HM041H	HM041H SSI-LAST APPLY YR
HM042H	HM042H VA-LAST APPLY YR
HM050G	HM050G OTH PROG-LAST APPLY MO
HM648O	SSDI-LAST APPLY MO
HM648P	SSDI-LAST APPLY YR
HM654K	SSI-LAST APPLY MO
HM654L	SSI-LAST APPLY YR
HRS 2004:	
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
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
HRS 2006:
KMW246B HM041G SSI-LAST APPLY MO -1
KMW246C HM0320 SSDI-LAST APPLY MO -2
KMW246D HM033N SSI-LAST APPLY MO -2
KMW246G HM050G OTH PROG-LAST APPLY MO -1
KMW246H HM6480 SSDI-LAST APPLY MO-1
KMW246I HM654K SSI-LAST APPLY MO
KMW247B HM041H SSI-LAST APPLY YR -1
KMW247C HM032P SSDI-LAST APPLY YR -2
KMW247D HM0330 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
HRS 2008:
LMW246B HM041G SSI-LAST APPLY MO -1
LMW246C HM0320 SSDI-LAST APPLY MO -2
LMW246D HM033N SSI-LAST APPLY MO -2
LMW246G HM050G OTH PROG-LAST APPLY MO -1
LMW246H HM6480 SSDI-LAST APPLY MO-1
LMW246I HM654K SSI-LAST APPLY MO
LMW247B HM041H SSI-LAST APPLY YR -1
LMW247C HM032P SSDI-LAST APPLY YR -2
LMW247D HM0330 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
HRS 2010:
MMW246B HM041G SSI-LAST APPLY MO -1
MMW246C HM0320 SSDI-LAST APPLY MO -2
MMW246D HM033N SSI-LAST APPLY MO -2
MMW246G HM050G OTH PROG-LAST APPLY MO -1
MMW246H HM6480 SSDI-LAST APPLY MO-1
MMW246I HM654K SSI-LAST APPLY MO
MMW247B HM041H SSI-LAST APPLY YR -1
MMW247C HM032P SSDI-LAST APPLY YR -2
MMW247D HM0330 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

Receives approval for SSI or SSDI
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Wave	Variable	Label	Type
1	RADIGET	RADIGET: Ever get SSDI/SSI	Categ
1	S1DIGET	S1DIGET: Ever get SSDI/SSI	Categ
2	S2DIGET	S2DIGET: Ever get SSDI/SSI	Categ
3	S3DIGET	S3DIGET: Ever get SSDI/SSI	Categ
4	S4DIGET	S4DIGET: Ever get SSDI/SSI	Categ
5	S5DIGET	S5DIGET: Ever get SSDI/SSI	Categ
6	S6DIGET	S6DIGET: Ever get SSDI/SSI	Categ
7	S7DIGET	S7DIGET: Ever get SSDI/SSI	Categ
8	S8DIGET	S8DIGET: Ever get SSDI/SSI	Categ
9	S9DIGET	S9DIGET: Ever get SSDI/SSI	Categ
10	S10DIGET	S10DIGET: Ever get SSDI/SSI	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIGET	28460	0.11	0.31	0.0	1.0
S1DIGET	10124	0.11	0.32	0.0	1.0
S2DIGET	12477	0.09	0.29	0.0	1.0
S3DIGET	11680	0.09	0.29	0.0	1.0
S4DIGET	14322	0.09	0.29	0.0	1.0
S5DIGET	12927	0.09	0.29	0.0	1.0
S6DIGET	11773	0.09	0.29	0.0	1.0
S7DIGET	13189	0.09	0.28	0.0	1.0
S8DIGET	11923	0.09	0.28	0.0	1.0
S9DIGET	10871	0.08	0.28	0.0	1.0
S10DIGET	9497	0.08	0.27	0.0	1.0

Categorical Variable Codes

Value-----	RADIGET	S1DIGET	S2DIGET	S3DIGET	S4DIGET	S5DIGET	S6DIGET	S7DIGET	S8DIGET	S9DIGET	S10DIGET
.M=other missing	41	17	17	16	13	13	9	11	13	12	9
.Q=Not asked this wave	2170		956	486							
0.No	25419	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
1.Yes	3041	138	222	151	180	101	77	152	116	128	166
		8971	11344	10620	12988	11755	10707	12037	10884	9973	8726
		1153	1133	1060	1334	1172	1066	1152	1039	898	771

How Constructed:

RADIGET is derived by looking at all waves of data. If the respondent reports receiving approval for his/her Supplemental Security Income (SSI) or Social Security disability (SSDI) application or reapplication at any wave, RADIGET is set to yes (=1).

Before Wave 5, SSDI and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the respondent reports application approval for either program, then RADIGET is set to yes.

Please see the description of the RADITYPE variable under "Type of Disability". RADITYPE gives the type of disability program, with Social Security and SSI separated if the information is provided in Wave 5 or beyond.

SwDIGET indicates whether the respondent's Wave 'w' spouse or partner received approval for a SSI/SSDI application. It is taken from the spouse's RADIGET if the spouse ever responds.

In Wave 2A and 3A, there are no comparable questions and so for Ahead respondents with no information in other waves, the values are set to the .Q SAS special missing value, to indicate that no information is available.

From Version D, variables providing more detailed information about disability are added and the R5DSSGET and R5DSIGET variables are dropped. A wave-specific disability status variable is also added. See "SSDI/SSI Disability Episodes" and "Wave-specific Disability Status".

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 s/he is receiving benefits. If not, another question asks whether s/he has appealed or re-applied and if so, whether the re-application was approved. If the re-application was approved a question asks when s/he started receiving benefits.

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.

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, then he/she is asked what type of benefit was applied for and if that application was approved. From Wave 5 forward, if the prior wave application was not approved, the respondent is asked if he/she has appealed or reapplied. If an application or re-application was approved, then a question asks when the benefits started. These questions are asked before the questions about applying since last interview described above.

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:	
V4709	J123B:AWARDED BENEFITS
V4713	J123E:AWARDED BENEFITS
HRS 1994:	
W5278	J26b.AWARDED SSD/SSI THE
W5282	J26e.AWARDED SSD/SSI THEN
HRS 1996:	

E3600 GD26B. SS-AWARD THEN
E3604 GD26E. SS-AWARD THEN
HRS 1998:
F4129 GD26B. SS-AWARD THEN
F4133 GD26E. SSI-AWARD THEN
F4492 GJ123B.SS AWARDED BENEFITS
F4496 GJ123E.SS AWARDED THEN
HRS 2000:
G4390 GD18CA. SSDI APPLICATION APPROVED
G4403 GD18DD. SSDI-AWARD THEN
G4413 GD18EA. SSI APPLICATION APPROVED
G4423 GD18EM. SSI-AWARD THEN
G4459 GD26B.SSD 1ST APPL STATUS
G4463 GD26E.SSD LAST APPLICATION STATUS
G4477 GD27B. SSI-AWARD THEN
G4481 GD27E. SSI-AWARD THEN
G4865 GJ123B.SSDI AWARDED BENEFITS
G4869 GJ123E.SSDI AWARDED THEN
G4884 GJ125B.SSI AWARDED BENEFITS
G4888 GJ125E.SSI AWARDED THEN
HRS 2002:
HM032 HM032 SSDI APPLICATION APPROVED
HM032Q HM032Q SSDI-AWARD THEN
HM033 HM033 SSI APPLICATION APPROVED
HM033P HM033P SSI-AWARD THEN
HM040E HM040E SSD 1ST APPL STATUS
HM040I HM040I SSDI-AWARD THEN
HM041 HM041 SSI-AWARD THEN
HM041I HM041I SSI-AWARD THEN
HM648 SSDI AWARDED BENEFITS
HM648Q SSDI-AWARD THEN
HM654 SSI AWARDED BENEFITS
HM654A1 SSI START MONTH-1
HM654B1 SSI START YEAR-1
HM654N SSI-AWARD THEN
HRS 2004:
JM032 HM032 SSDI APPLICATION APPROVED
JM033 HM033 SSI APPLICATION APPROVED
JM040 HM040E SSD 1ST APPL STATUS
JM041 HM041 SSI-AWARD THEN
JM648 HM648 SSDI AWARDED BENEFITS
JM654 HM654 SSI AWARDED BENEFITS
JMW233S HM654A1 SSI START MONTH-1
JMW244S HM654I2 SSI STOP YEAR-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
KM040 HM040E SSD 1ST APPL STATUS
KM041 HM041 SSI-AWARD THEN
KM648 HM648 SSDI AWARDED BENEFITS
KM654 HM654 SSI AWARDED BENEFITS
KMW233S HM654A1 SSI START MONTH-1
KMW244S HM654I2 SSI STOP YEAR-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
LM040 HM040E SSD 1ST APPL STATUS
LM041 HM041 SSI-AWARD THEN
LM648 HM648 SSDI AWARDED BENEFITS
LM654 HM654 SSI AWARDED BENEFITS
LMW233S HM654A1 SSI START MONTH-1
LMW244S HM654I2 SSI STOP YEAR-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
MM040 HM040E SSD 1ST APPL STATUS
MM041 HM041 SSI-AWARD THEN
MM648 HM648 SSDI AWARDED BENEFITS
MM654 HM654 SSI AWARDED BENEFITS
MMW233S HM654A1 SSI START MONTH-1
MMW244S HM654I2 SSI STOP YEAR-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

Month and year started receiving SSI or SSDI benefits
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Wave	Variable	Label	Type
1	RADIGETM	RADIGETM: Month get SSDI/SSI	Cont
1	S1DIGETM	S1DIGETM: Month get SSDI/SSI	Cont
2	S2DIGETM	S2DIGETM: Month get SSDI/SSI	Cont
3	S3DIGETM	S3DIGETM: Month get SSDI/SSI	Cont
4	S4DIGETM	S4DIGETM: Month get SSDI/SSI	Cont
5	S5DIGETM	S5DIGETM: Month get SSDI/SSI	Cont
6	S6DIGETM	S6DIGETM: Month get SSDI/SSI	Cont
7	S7DIGETM	S7DIGETM: Month get SSDI/SSI	Cont
8	S8DIGETM	S8DIGETM: Month get SSDI/SSI	Cont
9	S9DIGETM	S9DIGETM: Month get SSDI/SSI	Cont
10	S10DIGETM	S10DIGETM: Month get SSDI/SSI	Cont
1	RADIGETY	RADIGETY: Year get SSDI/SSI	Cont
1	S1DIGETY	S1DIGETY: Year get SSDI/SSI	Cont
2	S2DIGETY	S2DIGETY: Year get SSDI/SSI	Cont
3	S3DIGETY	S3DIGETY: Year get SSDI/SSI	Cont
4	S4DIGETY	S4DIGETY: Year get SSDI/SSI	Cont
5	S5DIGETY	S5DIGETY: Year get SSDI/SSI	Cont
6	S6DIGETY	S6DIGETY: Year get SSDI/SSI	Cont
7	S7DIGETY	S7DIGETY: Year get SSDI/SSI	Cont
8	S8DIGETY	S8DIGETY: Year get SSDI/SSI	Cont
9	S9DIGETY	S9DIGETY: Year get SSDI/SSI	Cont
10	S10DIGETY	S10DIGETY: Year get SSDI/SSI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIGETM	2184	6.08	3.51	1.0	12.0
S1DIGETM	917	6.42	3.44	1.0	12.0
S2DIGETM	899	6.35	3.42	1.0	12.0
S3DIGETM	843	6.41	3.43	1.0	12.0
S4DIGETM	1061	6.36	3.49	1.0	12.0
S5DIGETM	918	6.33	3.48	1.0	12.0
S6DIGETM	826	6.36	3.44	1.0	12.0
S7DIGETM	838	6.30	3.47	1.0	12.0
S8DIGETM	750	6.35	3.48	1.0	12.0
S9DIGETM	646	6.30	3.42	1.0	12.0
S10DIGETM	540	6.40	3.45	1.0	12.0
RADIGETY	2755	1992.24	10.13	1940.0	2010.0
S1DIGETY	1100	1991.83	8.59	1940.0	2010.0
S2DIGETY	1058	1991.49	9.36	1940.0	2010.0
S3DIGETY	992	1991.79	9.33	1940.0	2010.0
S4DIGETY	1244	1992.83	9.62	1940.0	2010.0
S5DIGETY	1098	1993.32	9.47	1940.0	2010.0
S6DIGETY	991	1993.96	9.39	1940.0	2010.0
S7DIGETY	1066	1995.51	9.12	1965.0	2010.0
S8DIGETY	961	1995.91	9.16	1965.0	2010.0
S9DIGETY	827	1996.23	9.03	1966.0	2010.0
S10DIGETY	705	1996.45	8.89	1967.0	2010.0

How Constructed:

RADIGETM and RADIGETY are the month and year the respondent receives disability benefits. They are taken from the first interview at which the respondent reports receiving Supplemental Security Income (SSI) or Social Security disability (SSDI).

Before Wave 5, SSDI and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the respondent reports receiving benefits from either program, then the earliest of these reported benefit start months is used in deriving RADIGETM and RADIGETY. From Wave 5 forward the respondent can report application approval but also give "not yet receiving benefits" for the benefit start month. In these cases, the month and year are set to special missing code (.N).

Please see the description of the RADITYPE variable under "Type of Disability". RADITYPE gives the type of disability program, with Social Security and SSI separated if the information is provided in Wave 5 or beyond.

SwDIGETM and SwDIGETY give the first month and year that the respondent's Wave 'w' spouse or partner received SSI/Social Security DI benefits. It is taken from the spouse's RADIGETM and RADIGETY if the spouse ever responds.

If RADIGET is missing, then RADIGETM and RADIGETY are set to the special missing value .S, for skipped.

In Wave 2A and 3A, there are no comparable questions and so for Ahead respondents with no information in other waves, the values are set to the .Q SAS special missing value, to indicate that no information is available.

In Version D, variables providing more detailed information about disability are added and the R5DSSGEM, R5DSSGEY, R5DSIGEM, and R5DSIGEY variables are dropped. A wave-specific disability status variable is also added. See "SSDI/SSI Disability Episodes" and "Wave-specific Disability Status".

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. If either the initial or reapplication was approved, then the respondent is asked when he/she started receiving benefits.

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 given the same code. 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. Sets of questions following the same pattern as in Wave 1 are then asked for SSDI and SSI separately.

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, then he/she is asked what type of benefit was applied for and if that application was approved. From Wave 5 forward, if the prior wave application was not approved, the respondent is asked if he/she has appealed or reapplied.

In all these waves, if an application, or re-application, was approved, then a question asks when the benefits started. These questions are asked before the questions about applying since last interview described above.

A new code in the benefit start month appears in Wave 5. The new code indicates that the respondent is "not yet receiving benefits" though the application or reapplication has been approved.

In Wave 2A and 3A, there are no comparable questions.

HRS Variables Used

HRS 1992:
 V4714 J123F:MO STRTD RECV BEN
 V4715 J123F:YR STRTD RECV BEN

HRS 1994:
 W5283 J26f.SSD/SSI START RECEI
 W5284 J26f1.SSD/SSI START RECE

HRS 1996:
 E3605 GD26F. SS RECEIVE-MONTH
 E3606 GD26F1. SS RECEIVE-YR

HRS 1998:
 F4134 GD26F. SS RECEIVE-MONTH
 F4135 GD26F1. SS RECEIVE-YR
 F4497 GJ123F.SS AWARDED - MONTH
 F4498 GJ123F1.SS AWARDED - YEAR

HRS 2000:
 G4391 GD18CB. SSDI START-MONTH
 G4392 GD18CC. SSDI START-YEAR
 G4404 GD18DE. SSDI START-MONTH
 G4405 GD18DF. SSDI START-YEAR
 G4424 GD18EN. SSI START-MONTH
 G4425 GD18EP. SSI START-YEAR
 G4464 GD26F.SSD LAST APP BENEFITS START-MO
 G4465 GD26F1.SSD LAST APP BENEFITS START-YR
 G4482 GD27F. SSI RECEIVE-MONTH
 G4483 GD27F1. SSI RECEIVE-YR
 G4870 GJ123F1.SSDI AWARDED - YEAR
 G4871 GJ123F2.SSDI AWARDED - MONTH
 G4889 GJ125F1.SSI AWARDED - YEAR
 G4890 GJ125F2.SSI AWARDED - MONTH

HRS 2002:
 HM032A1 HM032A1 SSDI START-MO
 HM032A2 HM032A2 SSDI START-MO
 HM032B1 HM032B1 SSDI START-YR
 HM032B2 HM032B2 SSDI START-YR
 HM033A2 HM033A2 SSI START-MO
 HM033B2 HM033B2 SSI START-YR
 HM040J HM040J SSDI START-MO
 HM040K HM040K SSDI START-YR
 HM041J HM041J SSI START-MO
 HM041K HM041K SSI START-YR

HRS 2004:
 JMW233C HM032A2 SSDI START-MO -2
 JMW233D HM033A2 SSI START-MO -2
 JMW233I HM040J SSDI START-MO -3

JMW233J SSI START-MO -3
JMW234C HM032B2 SSDI START-YR -2
JMW234D HM041K SSI START-YR -2
JMW234I HM040K SSDI START-YR -3
JMW234J SSI START-YR -3

HRS 2006:
KMW233C HM032A2 SSDI START-MO -2
KMW233D HM033A2 SSI START-MO -2
KMW233I HM040J SSDI START-MO -3
KMW233J SSI START-MO -3
KMW234C HM032B2 SSDI START-YR -2
KMW234D HM041K SSI START-YR -2
KMW234I HM040K SSDI START-YR -3
KMW234J SSI START-YR -3

HRS 2008:
LMW233C HM032A2 SSDI START-MO -2
LMW233D HM033A2 SSI START-MO -2
LMW233I HM040J SSDI START-MO -3
LMW233J SSI START-MO -3
LMW234C HM032B2 SSDI START-YR -2
LMW234D HM041K SSI START-YR -2
LMW234I HM040K SSDI START-YR -3
LMW234J SSI START-YR -3

HRS 2010:
MMW233C HM032A2 SSDI START-MO -2
MMW233D HM033A2 SSI START-MO -2
MMW233I HM040J SSDI START-MO -3
MMW233J SSI START-MO -3
MMW234C HM032B2 SSDI START-YR -2
MMW234D HM041K SSI START-YR -2
MMW234I HM040K SSDI START-YR -3
MMW234J SSI START-YR -3

Matching SSDI in Disability and Income Sections

Wave	Variable	Label	Type
1	RADISABF	RADISABF: Does SSDI in Disability and Income match?	Categ
1	S1DISABF	S1DISABF: Does SSDI in Disability and Income match?	Categ
2	S2DISABF	S2DISABF: Does SSDI in Disability and Income match?	Categ
3	S3DISABF	S3DISABF: Does SSDI in Disability and Income match?	Categ
4	S4DISABF	S4DISABF: Does SSDI in Disability and Income match?	Categ
5	S5DISABF	S5DISABF: Does SSDI in Disability and Income match?	Categ
6	S6DISABF	S6DISABF: Does SSDI in Disability and Income match?	Categ
7	S7DISABF	S7DISABF: Does SSDI in Disability and Income match?	Categ
8	S8DISABF	S8DISABF: Does SSDI in Disability and Income match?	Categ
9	S9DISABF	S9DISABF: Does SSDI in Disability and Income match?	Categ
10	S10DISABF	S10DISABF: Does SSDI in Disability and Income match?	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADISABF	30671	0.33	1.46	0.0	10.0
S1DISABF	10279	0.33	1.43	0.0	10.0
S2DISABF	13608	0.28	1.33	0.0	10.0
S3DISABF	12269	0.28	1.35	0.0	10.0
S4DISABF	14453	0.30	1.44	0.0	10.0
S5DISABF	13007	0.30	1.43	0.0	10.0
S6DISABF	11822	0.28	1.40	0.0	10.0
S7DISABF	13307	0.26	1.38	0.0	10.0
S8DISABF	12000	0.25	1.36	0.0	10.0
S9DISABF	10953	0.24	1.33	0.0	10.0
S10DISABF	9595	0.23	1.31	0.0	10.0

Categorical Variable Codes

Value-----	RADISABF
0.Disability and Income agr	28959
1.D=No,I=Yes:W1/W2: Separat	133
2.D=No,I=Yes:Still receivin	80
3.D=No,I=Yes:R is imputed t	7
4.D=No,I=Yes:Stop date with	12
5.D=Yes,I=No:W1/W2:Separate	513
6.D=Yes,I=No:W1-W4:SSDI/SSI	274
7.D=Yes,I=No:SSDI chgd to r	283
8.D=Yes,I=No:SSDI receipt w	194
9.D=Yes,I=No:SSDI with no r	124
10.D=Yes,I=No:Denies SSDI o	92

Value-----	S1DISABF	S2DISABF	S3DISABF	S4DISABF	S5DISABF	S6DISABF	S7DISABF	S8DISABF	S9DISABF	S10DISABF
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		64	64	62	34	37	45	52	58	77
0.Disability and Income agr	9632	12937	11656	13740	12386	11293	12776	11541	10558	9267
1.D=No,I=Yes:W1/W2: Separat	82	68	57	51	41	34	30	32	29	24
2.D=No,I=Yes:Still receivin	55	49	45	39	37	33	31	22	20	16
3.D=No,I=Yes:R is imputed t	5	3	3	2	2	2	2	1	2	1
4.D=No,I=Yes:Stop date with	9	9	7	7	7	7	6	6	6	4
5.D=Yes,I=No:W1/W2:Separate	273	226	202	180	160	140	127	103	88	69
6.D=Yes,I=No:W1-W4:SSDI/SSI	36	64	63	80	53	39	31	25	19	16
7.D=Yes,I=No:SSDI chgd to r	34	100	92	143	119	90	72	59	43	40

8.D=Yes,I=No:SSDI receipt w|	82	85	75	97	95	87	105	97	83	64
9.D=Yes,I=No:SSDI with no r|	22	22	22	56	51	47	70	63	60	52
10.D=Yes,I=No:Denies SSDI o|	49	45	47	58	56	50	57	51	45	42

How Constructed:

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 R reports receiving Social Security disability (SSDI) in the Income and Assets section but not in the Disability section.

RADISABF is derived to document and explain these differences.

RADISABF=0 if there are no differences between the Disability and Income and Assets section. If R reports receiving Social Security disability (SSDI) in the Income and Assets section but does not report receiving SSDI in the Disability section, RADISABF can be 1, 2, 3 or 4.

RADISABF=1 means that this difference occurred in Wave 1 or Wave 2. In these waves, in the Income and Assets questionnaire, there were specific questions that asked the type of benefits R received "Was (your/his/her) check retirement, disability, survivor's benefits, other dependent benefits, or what?". So these are the cases where R reports disability here but not in the Disability section.

RADISABF=2 means that R answered the "Are you still receiving SSDI?" question in the disability section without ever reporting an initial application or receipt of benefits. We would miss this disability episode in RADIGET but would pick this up when creating the Income and Assets disability variables. RADISABF=3 is when R is imputed to receive SSDI in the Income and Assets section. We do not impute any values in the Disability section.

RADISABF=4 is when R is asked if they are still receiving SSDI, says no and gives a stop date. But they do not have any initial application or receipt data. This will show up as SSDI in the Income and Assets section but not in the Disability section. R must report an initial receipt of SSDI to be included in RADIGET.

If R reports receiving Social Security disability (SSDI) in the Disability section but does not report receiving SSDI in the Income and Assets section, RADISABF can be 5, 6, 7, 8, 9 or 10.

RADISABF=5 means that this difference occurred in Wave 1 or Wave 2. In these waves, in the Income and Assets questionnaire, there were specific questions that asked the type of benefits R received "Was (your/his/her) check retirement, disability, survivor's benefits, other dependent benefits, or what?". So these are the cases where R does not report disability here but does report it in the Disability section.

RADISABF=6 means that this difference occurred in Wave 1 - Wave 4. Before Wave 5, SSDI and SSI are combined in the Disability survey questions and so these are the cases where R reports disability benefits in the Disability section and reports SSI in the Income and Assets section.

RADISABF=7 is when R reports SSDI in both sections but has reached retirement age and so we change their SSDI in the Income and Assets sections to Social Security.

RADISABF=8 means that the SSDI episode did not occur in the last calendar year. All SSI and SSDI must be reported in the last calendar year to be included in our Income and Assets disability variables. This is because other income questions in the Income and Asset section ask about income in the last calendar year.

RADISABF=9 is when R reports SSDI in the disability section but gives no start or stop dates. We will not include this in the Income and Assets disability variables because we cannot verify the SSDI occurred in the last calendar year. RADISABF=10 means that R reported SSDI in the disability section but denies SSDI ownership in Income section.

SwDISABF indicates whether the respondent's Wave 'w' spouse or partner's SSDI in the disability section matches the Income and Assets section. It is taken from the spouse's RADISABF if the spouse ever responds.

In Wave 2A and 3A, there are no comparable questions and so for Ahead respondents with no information in other waves, the values are set to the .Q SAS special missing value, to indicate that no information is available.

Cross Wave Differences in Original HRS Data

RADISABF is derived to document and explain conflicting SSDI reported in the Disability section and the Income and Assets section.

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.

HRS Variables Used

HRS 2000:

G4373	GD18. RECEIVE SSD/SSI
G4389	GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
G4453	GD23. APPLY OTHER DISABILITY
G4454M1	GD24. DISABILITY PROGRAMS
G4454M2	GD24. DISABILITY PROGRAMS
G4454M3	GD24. DISABILITY PROGRAMS
G4862	GJ123.EVER APPLY FOR SSDI
G4881	GJ125.EVER APPLY FOR SSI

HRS 2002:

HM030	HM030 REC SSDI/SSI/BOTH
HM031	HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
HM036	HM036 APPLY OTR DISABILITY
HM037M1	HM037M1 DISABILITY PROGRAMS-1
HM037M2	HM037M2 DISABILITY PROGRAMS-2
HM037M3	HM037M3 DISABILITY PROGRAMS-3
HM645	EVER APPLY FOR SSDI
HM651	EVER APPLY FOR SSI

HRS 2004:

JM030	HM030 REC SSDI/SSI/BOTH
JM031	HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
JM036	HM036 APPLY OTR DISABILITY
JM037M1	HM037M1 DISABILITY PROGRAMS-1
JM037M2	HM037M2 DISABILITY PROGRAMS-2
JM037M3	HM037M3 DISABILITY PROGRAMS-3
JM645	HM645 EVER APPLY FOR SSDI
JM651	HM651 EVER APPLY FOR SSI

HRS 2006:

KM030	HM030 REC SSDI/SSI/BOTH
KM031	HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
KM036	HM036 APPLY OTR DISABILITY
KM037M1	HM037M1 DISABILITY PROGRAMS-1
KM037M2	HM037M2 DISABILITY PROGRAMS-2
KM037M3	HM037M3 DISABILITY PROGRAMS-3
KM645	HM645 EVER APPLY FOR SSDI
KM651	HM651 EVER APPLY FOR SSI

HRS 2008:

LM030	HM030 REC SSDI/SSI/BOTH
LM031	HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
LM036	HM036 APPLY OTR DISABILITY
LM037M1	HM037M1 DISABILITY PROGRAMS-1
LM037M2	HM037M2 DISABILITY PROGRAMS-2
LM037M3	HM037M3 DISABILITY PROGRAMS-3
LM645	HM645 EVER APPLY FOR SSDI
LM651	HM651 EVER APPLY FOR SSI

HRS 2010:

MM030	HM030 REC SSDI/SSI/BOTH
MM031	HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
MM036	HM036 APPLY OTR DISABILITY
MM037M1	HM037M1 DISABILITY PROGRAMS-1

MM037M2 HM037M2 DISABILITY PROGRAMS-2
MM037M3 HM037M3 DISABILITY PROGRAMS-3
MM645 HM645 EVER APPLY FOR SSDI
MM651 HM651 EVER APPLY FOR SSI

Type of disability benefit (SSI or SSDI)

Wave	Variable	Label	Type
1	RADITYPE	RADITYPE: Type of DI prgrm applied	Categ
1	S1DITYPE	S1DITYPE: Type of DI prgrm applied	Categ
2	S2DITYPE	S2DITYPE: Type of DI prgrm applied	Categ
3	S3DITYPE	S3DITYPE: Type of DI prgrm applied	Categ
4	S4DITYPE	S4DITYPE: Type of DI prgrm applied	Categ
5	S5DITYPE	S5DITYPE: Type of DI prgrm applied	Categ
6	S6DITYPE	S6DITYPE: Type of DI prgrm applied	Categ
7	S7DITYPE	S7DITYPE: Type of DI prgrm applied	Categ
8	S8DITYPE	S8DITYPE: Type of DI prgrm applied	Categ
9	S9DITYPE	S9DITYPE: Type of DI prgrm applied	Categ
10	S10DITYPE	S10DITYPE: Type of DI prgrm applied	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADITYPE	26932	0.18	0.60	0.0	3.0
S1DITYPE	9340	0.16	0.54	0.0	3.0
S2DITYPE	11755	0.12	0.48	0.0	3.0
S3DITYPE	11051	0.13	0.49	0.0	3.0
S4DITYPE	13711	0.14	0.51	0.0	3.0
S5DITYPE	12495	0.15	0.53	0.0	3.0
S6DITYPE	11426	0.16	0.54	0.0	3.0
S7DITYPE	12874	0.17	0.57	0.0	3.0
S8DITYPE	11678	0.17	0.58	0.0	3.0
S9DITYPE	10657	0.17	0.57	0.0	3.0
S10DITYPE	9321	0.16	0.57	0.0	3.0

Categorical Variable Codes

Value-----	RADITYPE	S1DITYPE	S2DITYPE	S3DITYPE	S4DITYPE	S5DITYPE	S6DITYPE	S7DITYPE	S8DITYPE	S9DITYPE	S10DITYPE
.A=Applied, DK which	1569	802	739	645	624	445	356	326	258	226	186
.Q=Not asked this wave	2170		956	486							
0. Never Applied	24180	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
1. SSDI	1582	137	222	151	180	101	77	152	116	128	165
2. SSI	312	8401	10816	10136	12438	11261	10258	11526	10435	9564	8375
3. Both, SSDI+SSI	858	646	642	627	887	852	815	896	816	719	628
		65	82	78	100	90	75	80	66	57	46
		228	215	210	286	292	278	372	361	317	272

How Constructed:

RADITYPE indicates the specific disability benefit program that the respondent reports in Wave 5 or beyond. It distinguishes between the Supplemental Security Income (SSI) or Social Security disability (SSDI) programs. A respondent's RADITYPE can be SSDI only, SSI only, both, or neither.

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 in Wave 5 or later, then RADITYPE is taken from the program type reported. If a respondent had reported application, reapplication, or receipt at the previous interview, questions ask the type of program and current status. For these cases, RADITYPE is taken from the questions asking about the type of program.

If a respondent reports applying to or receiving from both programs in any wave from 5 on, RADITYPE is set to both. If a respondent reports different programs in different waves, e.g., if he/she reports SSI in Wave 5 and SSDI in Wave 6, RADITYPE is also set to both. If the type of program cannot be determined, RADITYPE is set to .A, applied but don't know which program(s).

SwDITYPE indicates the type of disability benefits that the respondent's Wave 'w' spouse or partner has applied for, reapplied for, or received. It is taken from the spouse's self-reported RADITYPE if the spouse ever responds.

In Wave 2A and 3A, there are no comparable questions and so for Ahead respondents with no information in other waves, the values are set to the .Q SAS special missing value, to indicate that no information is available.

In Version D, variables providing more detailed information about disability are added. A wave-specific disability status variable is also added. See "SSDI/SSI Disability Episodes" and "Wave-specific Disability Status".

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.

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, then he/she is asked if that application was approved. From Wave 5 forward, s/he is first asked what type of benefit was applied for or received. Beginning in Wave 7, it is also recorded whether an SSDI benefit received has converted to Social Security.

In Wave 2A and 3A, there are no comparable questions.

HRS Variables Used

HRS 2000:

G4373	GD18. RECEIVE SSD/SSI
G4389	GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
G4453	GD23. APPLY OTHER DISABILITY
G4454M1	GD24. DISABILITY PROGRAMS
G4454M2	GD24. DISABILITY PROGRAMS
G4454M3	GD24. DISABILITY PROGRAMS
G4862	GJ123.EVER APPLY FOR SSDI
G4881	GJ125.EVER APPLY FOR SSI

HRS 2002:

HM030	HM030 REC SSDI/SSI/BOTH
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HM031 HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
HM036 HM036 APPLY OTR DISABILITY
HM037M1 HM037M1 DISABILITY PROGRAMS-1
HM037M2 HM037M2 DISABILITY PROGRAMS-2
HM037M3 HM037M3 DISABILITY PROGRAMS-3
HM645 EVER APPLY FOR SSDI
HM651 EVER APPLY FOR SSI

HRS 2004:
JM030 HM030 REC SSDI/SSI/BOTH
JM031 HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
JM036 HM036 APPLY OTR DISABILITY
JM037M1 HM037M1 DISABILITY PROGRAMS-1
JM037M2 HM037M2 DISABILITY PROGRAMS-2
JM037M3 HM037M3 DISABILITY PROGRAMS-3
JM645 HM645 EVER APPLY FOR SSDI
JM651 HM651 EVER APPLY FOR SSI

HRS 2006:
KM030 HM030 REC SSDI/SSI/BOTH
KM031 HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
KM036 HM036 APPLY OTR DISABILITY
KM037M1 HM037M1 DISABILITY PROGRAMS-1
KM037M2 HM037M2 DISABILITY PROGRAMS-2
KM037M3 HM037M3 DISABILITY PROGRAMS-3
KM645 HM645 EVER APPLY FOR SSDI
KM651 HM651 EVER APPLY FOR SSI

HRS 2008:
LM030 HM030 REC SSDI/SSI/BOTH
LM031 HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
LM036 HM036 APPLY OTR DISABILITY
LM037M1 HM037M1 DISABILITY PROGRAMS-1
LM037M2 HM037M2 DISABILITY PROGRAMS-2
LM037M3 HM037M3 DISABILITY PROGRAMS-3
LM645 HM645 EVER APPLY FOR SSDI
LM651 HM651 EVER APPLY FOR SSI

HRS 2010:
MM030 HM030 REC SSDI/SSI/BOTH
MM031 HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
MM036 HM036 APPLY OTR DISABILITY
MM037M1 HM037M1 DISABILITY PROGRAMS-1
MM037M2 HM037M2 DISABILITY PROGRAMS-2
MM037M3 HM037M3 DISABILITY PROGRAMS-3
MM645 HM645 EVER APPLY FOR SSDI
MM651 HM651 EVER APPLY FOR SSI

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	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	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	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	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	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	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	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	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	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	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	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	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	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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADNEPI	30671	0.19	0.53	0.0	11.0
RADTYPE1	4362	2.69	3.18	1.0	21.0
RADTYPE2	1145	3.95	5.38	1.0	23.0
RADTYPE3	260	5.59	7.33	1.0	23.0
RADTYPE4	61	2.80	4.29	1.0	23.0
RADTYPE5	19	3.32	5.46	1.0	23.0
RADTYPE6	5	2.00	0.00	2.0	2.0
RADTYPE7	3	8.33	12.70	1.0	23.0
RADSTAT1	4362	12.05	23.64	1.0	94.0
RADSTAT2	1145	16.31	29.65	1.0	94.0
RADSTAT3	260	15.01	29.18	1.0	94.0
RADSTAT4	61	12.41	26.64	1.0	94.0
RADSTAT5	19	8.79	20.75	1.0	94.0
RADSTAT6	5	41.20	48.20	6.0	94.0
RADSTAT7	3	5.67	0.58	5.0	6.0
RADAPPM1	2977	5.80	3.51	1.0	12.0
RADAPPM2	724	5.83	3.48	1.0	12.0
RADAPPM3	150	6.01	3.53	1.0	12.0
RADAPPM4	32	6.03	3.24	1.0	12.0
RADAPPM5	8	5.38	3.96	1.0	11.0
RADAPPM6	3	5.33	3.79	1.0	8.0

RADAPPM7	2	3.00	2.83	1.0	5.0
RADAPPY1	4066	1991.85	9.92	1940.0	2011.0
RADAPPY2	1021	1996.76	8.02	1957.0	2011.0
RADAPPY3	222	1998.95	6.82	1970.0	2010.0
RADAPPY4	53	2002.92	5.69	1986.0	2010.0
RADAPPY5	16	2002.88	4.35	1996.0	2009.0
RADAPPY6	4	2002.75	2.75	2000.0	2006.0
RADAPPY7	3	2000.33	3.06	1997.0	2003.0
RADAPPD1	4362	11636.45	3797.05	-7415.0	18673.0
RADAPPD2	1145	13461.45	3144.14	-3357.0	18702.0
RADAPPD3	260	14393.69	2618.99	220.0	18482.0
RADAPPD4	61	15851.98	2032.91	9679.0	18429.0
RADAPPD5	19	15773.16	1504.71	13316.0	18080.0
RADAPPD6	5	15692.00	913.67	14922.0	16998.0
RADAPPD7	3	14843.00	1079.64	13697.0	15841.0
RADREAM1	715	5.70	3.26	1.0	12.0
RADREAM2	154	5.51	3.37	1.0	12.0
RADREAM3	34	4.44	3.33	1.0	12.0
RADREAM4	7	4.29	2.93	1.0	9.0
RADREAM5	2	5.00	0.00	5.0	5.0
RADREAM7	1	2.00	.	2.0	2.0
RADREAY1	1012	1992.69	7.80	1958.0	2011.0
RADREAY2	215	1997.66	6.89	1968.0	2010.0
RADREAY3	47	2000.79	7.04	1977.0	2010.0
RADREAY4	10	2004.90	5.36	1992.0	2010.0
RADREAY5	3	2008.33	1.53	2007.0	2010.0
RADREAY7	2	2001.00	4.24	1998.0	2004.0
RADREAD1	1038	11897.34	2765.65	-715.0	18702.0
RADREAD2	212	13670.15	2470.34	3060.0	18437.0
RADREAD3	42	14697.31	2664.02	6392.0	18490.0
RADREAD4	10	16530.30	1983.44	11826.0	18445.0
RADREAD5	3	17858.00	548.18	17302.0	18398.0

RADREAD7	2	15089.00	1452.40	14062.0	16116.0
RADRECM1	1935	6.10	3.51	1.0	12.0
RADRECM2	393	5.90	3.66	1.0	12.0
RADRECM3	88	6.24	3.73	1.0	12.0
RADRECM4	10	6.40	3.69	1.0	12.0
RADRECM5	2	8.50	2.12	7.0	10.0
RADRECM6	2	9.00	1.41	8.0	10.0
RADRECM7	1	10.00	.	10.0	10.0
RADRECY1	2418	1991.36	10.23	1940.0	2010.0
RADRECY2	484	1995.75	8.64	1958.0	2010.0
RADRECY3	103	1997.92	6.80	1971.0	2010.0
RADRECY4	18	2000.89	8.56	1975.0	2009.0
RADRECY5	4	1992.75	12.42	1975.0	2004.0
RADRECY6	2	2000.00	5.66	1996.0	2004.0
RADRECY7	1	1996.00	.	1996.0	1996.0
RADRECD1	2850	11795.96	3639.15	-7032.0	18612.0
RADRECD2	643	13413.51	2904.65	-656.0	18612.0
RADRECD3	130	14145.86	2336.42	4033.0	18429.0
RADRECD4	20	15110.15	2953.64	5661.0	18247.0
RADRECD5	5	13064.20	4414.26	5661.0	16713.0
RADRECD6	2	14872.50	2028.69	13438.0	16307.0
RADRECD7	1	13438.00	.	13438.0	13438.0
RADENDM1	525	6.01	3.60	1.0	12.0
RADENDM2	102	6.54	3.54	1.0	12.0
RADENDM3	19	7.16	3.86	1.0	12.0
RADENDM4	2	6.50	4.95	3.0	10.0
RADENDY1	595	1995.77	9.94	1918.0	2011.0
RADENDY2	130	2001.06	5.43	1978.0	2010.0
RADENDY3	25	2002.48	4.18	1992.0	2009.0
RADENDY4	2	2007.00	0.00	2007.0	2007.0
RADENDY5	1	2004.00	.	2004.0	2004.0

RADENDD1	757	13191.45	3538.13	-15113.0	18702.0
RADENDD2	167	15158.17	1886.17	6848.0	18551.0
RADENDD3	32	15595.06	1516.74	11871.0	18247.0
RADENDD4	4	15936.75	1799.41	13597.0	17455.0
RADENDD5	2	15572.50	1092.48	14800.0	16345.0
RADENDD7	1	15013.00	.	15013.0	15013.0

Categorical Variable Codes

Value-----	RADNEPI
0.None	26309
1	3217
2	885
3	199
4	42
5	14
6	2
7	1
8	1
11	1

Value-----	RADTYPE1
1.SSDI	1767
2.SSI	295
3.SSDI and/or SSI-DK which	2119
12.Applied SSDI => SSI	88
21.Applied SSI => SSDI	93

Value-----	RADTYPE2
1.SSDI	325
2.SSI	421
3.SSDI and/or SSI-DK which	238
12.Applied SSDI => SSI	27
13.Applied SSDI => Both	71
21.Applied SSI => SSDI	27
23.Applied SSI => Both	36

Value-----	RADTYPE3
1.SSDI	85
2.SSI	90
3.SSDI and/or SSI-DK which	21
12.Applied SSDI => SSI	5
13.Applied SSDI => Both	29
21.Applied SSI => SSDI	1
23.Applied SSI => Both	29

Value-----	RADTYPE4
1.SSDI	18
2.SSI	36
3.SSDI and/or SSI-DK which	3
13.Applied SSDI => Both	2
23.Applied SSI => Both	2

Value-----	RADTYPE5
1.SSDI	7
2.SSI	10
13.Applied SSDI => Both	1
23.Applied SSI => Both	1

Value-----	RADTYPE6
2.SSI	5

Value-----	RADTYPE7
1.SSDI	2

23.Applied SSI => Both	1
Value-----|	RADSTAT1
1.Applied	292
2.Reapplied/Appealed	24
4.Receiving Benefits	1813
5.Stopped receiving benefit	741
6.Not Awarded Benefits	954
7.Rejected	130
61.Stop recv from apply	1
62.Stop recv from appeal	1
66.Stop recv from not award	19
74.Receives then denies	141
91.Beg new/no end prv apply	83
92.Beg new/no end prv appea	20
94.Beg new/no end prv recv	143
Value-----|	RADSTAT2
1.Applied	155
2.Reapplied/Appealed	8
4.Receiving Benefits	384
5.Stopped receiving benefit	156
6.Not Awarded Benefits	202
7.Rejected	76
61.Stop recv from apply	5
62.Stop recv from appeal	2
66.Stop recv from not award	10
74.Receives then denies	15
91.Beg new/no end prv apply	51
92.Beg new/no end prv appea	3
94.Beg new/no end prv recv	78
Value-----|	RADSTAT3
1.Applied	54
2.Reapplied/Appealed	3
4.Receiving Benefits	77
5.Stopped receiving benefit	32
6.Not Awarded Benefits	58
7.Rejected	3
74.Receives then denies	3
91.Beg new/no end prv apply	12
94.Beg new/no end prv recv	18
Value-----|	RADSTAT4
1.Applied	18
2.Reapplied/Appealed	1
4.Receiving Benefits	14
5.Stopped receiving benefit	4
6.Not Awarded Benefits	18
91.Beg new/no end prv apply	3
92.Beg new/no end prv appea	1
94.Beg new/no end prv recv	2
Value-----|	RADSTAT5
1.Applied	5
2.Reapplied/Appealed	1
4.Receiving Benefits	2
5.Stopped receiving benefit	2
6.Not Awarded Benefits	8
94.Beg new/no end prv recv	1
Value-----|	RADSTAT6
6.Not Awarded Benefits	3
94.Beg new/no end prv recv	2
Value-----|	RADSTAT7
5.Stopped receiving benefit	1
6.Not Awarded Benefits	2

How Constructed:

These variables present information about multiple Social Security (SSDI) and 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. Except for RADNEPI, these variables have suffixes ranging from 1 to 7 (7 is the maximum number of episodes observed, but 10 are possible), which indicate 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.

RADTYPE_n indicates whether episode 'n' involves SSDI or SSI. If the program type is ambiguous, RADTYPE_n 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 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, RADTYPE_n is set to indicate the ambiguity.

RADSTAT_n indicates the status of episode 'n'. 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 (RADSTAT_n=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 (RADSTAT_n=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, i.e., 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 (RADSTAT_n=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.

RADAPPM_n and RADAPPY_n are the month and year of application for episode 'n'. RADAPPD_n is the imputed SAS date for the application. RADREAM_n and RADREAY_n are the month and year of appeal or re-application for episode 'n'. RADREAD_n 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, 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 R 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, questions are included for those with a preload indicating this situation that 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

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.AWARDED 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
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
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
 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
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
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
HM032A1 HM032A1 SSDI START-MO
HM032A2 HM032A2 SSDI START-MO
HM032A2 HM032A2 SSDI START-MO
HM032B1 HM032B1 SSDI START-YR
HM032B1 HM032B1 SSDI START-YR
HM032B2 HM032B2 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
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
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
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
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
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
 KMW233C HM032A2 SSDI START-MO -2
 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
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
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
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
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
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
 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
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
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
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

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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DSTAT	12652	9.72	42.21	0.0	200.0
R2DSTAT	11420	10.86	43.33	0.0	200.0
R3DSTAT	10964	12.77	46.70	0.0	200.0
R4DSTAT	21384	8.07	36.85	0.0	200.0
R5DSTAT	19579	4.37	25.13	0.0	200.0
R6DSTAT	18165	2.95	18.87	0.0	200.0
R7DSTAT	20129	2.70	17.46	0.0	200.0
R8DSTAT	18469	2.49	16.29	0.0	200.0
R9DSTAT	17217	2.44	16.08	0.0	200.0
R10DSTAT	15372	2.46	15.94	0.0	200.0
S1DSTAT	9900	7.46	37.20	0.0	200.0
S2DSTAT	8739	8.08	37.44	0.0	200.0
S3DSTAT	8306	9.75	41.11	0.0	200.0
S4DSTAT	13978	6.53	32.84	0.0	200.0
S5DSTAT	12730	3.90	23.71	0.0	200.0
S6DSTAT	11639	2.58	17.35	0.0	200.0
S7DSTAT	12972	2.26	15.70	0.0	200.0
S8DSTAT	11735	2.06	14.32	0.0	200.0
S9DSTAT	10646	1.91	13.61	0.0	200.0
S10DSTAT	9241	1.90	13.30	0.0	200.0

Categorical Variable Codes

Value-----	R1DSTAT	R2DSTAT	R3DSTAT	R4DSTAT	R5DSTAT	R6DSTAT	R7DSTAT	R8DSTAT	R9DSTAT	R10DSTAT
.Q=Not asked this wave		8222	7027							
0.No activity	11827	10475	9900	19771	18110	16889	18640	17069	15907	14159

1.Applying SSI	1	3		8	11	13	23	29	34	27
2.Receiving SSI	49	57	65	165	240	201	225	236	220	179
10.Applying SSDI		10		45	84	61	110	102	112	115
11.Applying SSDI + SSI					3	21	41	43	47	67
12.Apply SSDI/Recv SSI					5	5	1	5	5	6
20.Receiving SSDI	166	219	258	471	622	640	751	715	642	590
21.Recv SSDI/Apply SSI					1		2	4	2	5
22.Recv SSDI + SSI					75	87	108	84	82	82
100.Applying DK which	23	118	135	224	156	120	107	87	80	66
200.Receiving DK which	586	538	606	700	272	128	121	95	86	76
Value-----	S1DSTAT	S2DSTAT	S3DSTAT	S4DSTAT	S5DSTAT	S6DSTAT	S7DSTAT	S8DSTAT	S9DSTAT	S10DSTAT
.Q=Not asked this wave		4549	3704							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	323	537	311	220	380	317	365	431
0.No activity	9414	8200	7701	13091	11923	10940	12194	11004	9993	8650
1.Applying SSI				2	7	7	10	13	15	13
2.Receiving SSI	14	14	17	43	69	63	66	74	71	53
10.Applying SSDI		4		33	55	42	79	67	67	70
11.Applying SSDI + SSI					2	10	19	21	22	33
12.Apply SSDI/Recv SSI					3	2		2	3	2
20.Receiving SSDI	107	145	159	320	404	415	450	428	376	325
21.Recv SSDI/Apply SSI							1	3	1	3
22.Recv SSDI + SSI					21	21	27	29	22	31
100.Applying DK which	13	76	80	134	89	72	66	50	40	31
200.Receiving DK which	352	300	349	355	157	67	60	44	36	30

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 R has applied but not been awarded or rejected. A two indicates that R 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 R is applying for SSDI and receiving SSI benefits, and 100 indicates R 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 that 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

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.AWARDED 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

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
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
 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
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
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

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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5DSSAMT	686	684.92	328.92	0.0	1744.0
R6DSSAMT	769	755.63	352.85	0.0	3000.0
R7DSSAMT	640	822.40	447.96	0.0	7000.0
R8DSSAMT	744	859.85	396.44	0.0	2800.0
R9DSSAMT	637	911.92	429.76	0.0	3200.0
R10DSSAMT	581	974.24	450.54	0.0	2300.0
S5DSSAMT	415	725.75	340.68	0.0	1744.0
S6DSSAMT	489	795.96	375.58	0.0	3000.0
S7DSSAMT	369	880.47	505.77	0.0	7000.0
S8DSSAMT	450	912.86	415.66	0.0	2800.0
S9DSSAMT	366	961.96	444.95	0.0	3200.0
S10DSSAMT	320	979.40	478.83	0.0	2300.0
R5DSIAMT	298	376.20	244.77	0.0	1384.0
R6DSIAMT	291	372.85	275.65	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	243	515.10	351.21	0.0	1800.0
R10DSIAMT	203	528.53	328.82	0.0	2000.0
S5DSIAMT	86	387.78	268.60	0.0	1384.0
S6DSIAMT	93	393.12	335.47	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	540.74	414.75	4.0	1800.0
S10DSIAMT	69	491.87	370.71	0.0	2000.0

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.

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

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

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
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

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	15064	0.25	0.44	0.0	1.0
S2PENINC	9013	0.16	0.37	0.0	1.0
S3PENINC	12223	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	9471	0.22	0.42	0.0	1.0

Categorical Variable Codes

Value-----	R2PENINC	R3PENINC	R4PENINC	R5PENINC	R6PENINC	R7PENINC	R8PENINC	R9PENINC	R10PENINC
.D=DK/NA		25	27	39	40	60	37	43	43
.M=Oth missing	148	149	219	139	47	90	65	76	119
.Q=Not asked this wave	8222								
.R=RF		82	175	162	199	140	142	135	146
0.no	9508	12976	15409	13564	12517	14616	13260	12303	11232
1.yes	1764	4759	5554	5675	5362	5223	4965	4660	3832

Value-----	S2PENINC	S3PENINC	S4PENINC	S5PENINC	S6PENINC	S7PENINC	S8PENINC	S9PENINC	S10PENINC
.D=DK/NA		11	13	18	13	21	14	17	16
.M=Oth missing	110	99	194	94	38	77	52	63	92
.Q=Not asked this wave	4549								
.R=RF		51	118	103	133	93	90	92	95
.U=Unmar	5970	5607	6845	6515	6291	6762	6415	6204	5698
0.no	7585	9260	10864	9469	8552	10140	9020	8187	7355
1.yes	1428	2963	3350	3380	3138	3036	2878	2654	2116

How Constructed:

These variables are based on information given about pensions in the Income section. They 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 (FinR), about FinR's pension income and, if married, FinR's spouse's pension income. Adjustments are made when these measures are merged to the respondent (R) level, depending on whether R is the FinR or not. If R is the FinR, then measures concerning FinR are assigned to R and those about FinR's spouse are assigned to R's spouse. But if R is not the FinR, then measures about FinR are assigned to R's spouse and those concerning FinR's spouse are assigned to R.

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 R or both R and spouse/partner are currently receiving pension income, then RwPENINC is set to yes (=1). If no one or only the spouse/partner receiving pension income, then 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 none or only R 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 R 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 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".

HRS Variables Used

HRS 1994:
W6071 N20.RETIREMENT PENSIONS?
W6072 N20a.WHO RECEIVES PENSIO
AHEAD 1995:
D4191 J30.RET PENSION
D4192 J30A.WHO RECD PENSION
HRS 1996:

E4209	J127.RET PENSION
E4210	J128.WHO RECD PENSION
HRS 1998:	
F4969	J127.RET PENSION
F4970	J128.WHO RECD PENSION
HRS 2000:	
G5424	J127.RET PENSION
G5425	J128.WHO RECD PENSION
HRS 2002:	
HQ215	PENSION RETIREMENT INCOME
HQ216	WHO REC PENSION RETIREMENT INC
HRS 2004:	
JQ215	PENSION RETIREMENT INCOME
JQ216	WHO REC PENSION RETIREMENT INC
HRS 2006:	
KQ215	PENSION RETIREMENT INCOME
KQ216	WHO REC PENSION RETIREMENT INC
HRS 2008:	
LQ215	PENSION RETIREMENT INCOME
LQ216	WHO REC PENSION RETIREMENT INC
HRS 2010:	
MQ215	PENSION RETIREMENT INCOME
MQ216	WHO REC PENSION RETIREMENT INC

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
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

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	3820	1.19	0.46	1.0	4.0
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	2110	1.17	0.44	1.0	4.0

Categorical Variable Codes

Value-----	R2PENI_N	R3PENI_N	R4PENI_N	R5PENI_N	R6PENI_N	R7PENI_N	R8PENI_N	R9PENI_N	R10PENI_N
.D.DK	3	11	5	1	3		1	2	5
.M.Missing	3		2	2		4		2	3
.Q.Not asked this wv	8222								
.R.Refuse	1	6	4	2	2	2	4	1	4
.Z.Whether pen inc=no or mi	9656	13232	15830	13904	12803	14906	13504	12557	11540
1	1577	4256	4954	5043	4748	4532	4330	4026	3188

2	161	440	523	558	550	622	567	552	549
3	15	39	54	57	53	49	53	66	71
4	4	6	12	11	5	14	10	11	12
5		1			1				
6				1					
Value-----	S2PENI_N	S3PENI_N	S4PENI_N	S5PENI_N	S6PENI_N	S7PENI_N	S8PENI_N	S9PENI_N	S10PENI_N
.D.DK	3	7	4				1	1	3
.M.Missing	3		3	1		2		1	1
.Q.Not asked this wv	4549								
.R.Refuse	1	4	2	1	1	1	3		2
.U.R not married	5970	5607	6845	6515	6291	6762	6415	6204	5698
.Z.Whether pen inc=no or mi	7695	9421	11189	9684	8736	10331	9176	8359	7558
1	1268	2669	3026	3054	2816	2660	2568	2334	1800
2	136	249	275	285	291	336	272	278	268
3	14	29	35	33	27	29	28	35	37
4	3	4	5	6	2	8	6	5	5
5		1			1				

How Constructed:

These variables are based on information given about pensions in the Income section. They 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 (FinR), about FinR's pension income and, if married, FinR's spouse's pension income. Adjustments are made when these measures are merged to the respondent (R) level, depending on whether R is the FinR or not. If R is the FinR, then measures concerning FinR are assigned to R and those about FinR's spouse are assigned to R's spouse. But if R is not the FinR, then measures about FinR are assigned to R's spouse and those concerning FinR's spouse are assigned to R.

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, if R is currently receiving income from more than one pension then number of pensions are reported. RwPENI_N is set to the number of pensions that R reports. If R responds no more than one pension income then RwPENI_N is set to 1. If R is currently not receiving any pension income then RwPENI_N is set to .Z. If R reports 10 or more pensions, they are considered outliers 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 R 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 regarding the number of pensions from which income is currently received. They are asked separately about the FinR 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 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.

HRS Variables Used

HRS 1994:
W6071 N20.RETIREMENT PENSIONS?
W6072 N20a.WHO RECEIVES PENSIO
W6073 N20b.>1 PENSION?
W6074 N20c.NUMBER PENSIONS

AHEAD 1995:
D4191 J30.RET PENSION
D4192 J30A.WHO RECD PENSION
D4193 J30B.>1 PENSION
D4194 J30C.#PENSIONS

HRS 1996:
E4209 J127.RET PENSION
E4210 J128.WHO RECD PENSION
E4211 J129.>1 PENSION
E4212 J130.#PENSIONS

HRS 1998:
F4969 J127.RET PENSION
F4970 J128.WHO RECD PENSION
F4971 J129.>1 PENSION
F4972 J130.#PENSIONS

HRS 2000:
G5424 J127.RET PENSION
G5425 J128.WHO RECD PENSION
G5426 J129.>1 PENSION
G5427 J130.#PENSIONS

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

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

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

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

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

Whether pensions can continue

Wave	Variable	Label	Type
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
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
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
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

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	3696	1.66	1.15	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	2042	2.04	1.19	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	618	1.56	1.10	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	302	1.87	1.11	1.0	7.0

Categorical Variable Codes

Value-----	R2PENIC1	R3PENIC1	R4PENIC1	R5PENIC1	R6PENIC1	R7PENIC1	R8PENIC1	R9PENIC1	R10PENIC1
.D.DK	39	91	148	172	177	157	153	168	117
.M.Missing			1				1		
.Q.Not asked this wv	8222								
.R.Refuse	2	6	7	9	12	9	5	8	7
.U.R not married		1266							
.Z.No pension income	9663	13249	15841	13909	12808	14912	13509	12562	11552
1=STOP	824	1648	3395	3472	3330	3218	3110	2961	2448
2.Continue unchange	217	422	537	530	519	511	519	458	382
3.Continue at reduced level	670	1233	1363	1341	1188	1188	1093	987	784
4.Lump sum paid to benefici			69	24			49	60	
7.Other	5	76	23	122	131	134	30	13	82
Value-----	S2PENIC1	S3PENIC1	S4PENIC1	S5PENIC1	S6PENIC1	S7PENIC1	S8PENIC1	S9PENIC1	S10PENIC1
.D.DK	38	84	96	113	131	104	100	129	65
.Q.Not asked this wv	4549								
.R.Refuse	1	4	5	8	11	5	4	6	3
.U.R not married	5970	5608	6845	6516	6291	6762	6415	6204	5698
.Z.No pension income	7702	9432	11198	9686	8737	10334	9180	8361	7564
1=STOP	533	1203	1415	1419	1285	1239	1227	1122	905
2.Continue unchange	202	401	479	473	484	467	461	418	342
3.Continue at reduced level	644	1211	1296	1275	1154	1144	1040	948	746
4.Lump sum paid to benefici			37	11			20	19	
7.Other	3	48	13	78	72	74	22	10	49
Value-----	R2PENIC2	R3PENIC2	R4PENIC2	R5PENIC2	R6PENIC2	R7PENIC2	R8PENIC2	R9PENIC2	R10PENIC2
.D.DK	6	11	17	14	12	16	15	19	14
.M.Missing				2		1			
.Q.Not asked this wv	8222								
.R.Refuse	1	1	2	2	4	1	1		
.U.R not married		147							
.Z.No pension income	11240	17505	20795	18952	17556	19444	17839	16588	14740
1=STOP	99	180	397	428	416	459	450	454	445
2.Continue unchange	25	45	52	53	53	66	62	54	55
3.Continue at reduced level	49	96	113	107	98	116	90	95	105

4.Lump sum paid to benefici			5	4			7	6	
7.Other		6	3	17	26	26	5	1	13
Value-----	S2PENIC2	S3PENIC2	S4PENIC2	S5PENIC2	S6PENIC2	S7PENIC2	S8PENIC2	S9PENIC2	S10PENIC2
.D.DK	6	9	8	9	6	13	8	12	8
.M.Missing				1					
.Q.Not asked this wv	4549								
.R.Refuse	1	1	1		4	1			
.U.R not married	5970	5608	6845	6518	6291	6762	6415	6204	5698
.Z.No pension income	8970	12100	14224	12737	11553	12994	11748	10695	9364
1=STOP	72	135	155	159	157	174	158	167	157
2.Continue unchange	26	40	46	45	49	60	52	50	47
3.Continue at reduced level	48	93	100	98	90	111	82	86	93
4.Lump sum paid to benefici			3	1			2	2	
7.Other		5	2	11	15	14	4	1	5

How Constructed:

These variables are based on information given about pensions in the Income section. They 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 (FinR), about FinR's pension income and, if married, FinR's spouse's pension income. Adjustments are made when these measures are merged to the respondent (R) level, depending on whether R is the FinR or not. If R is the FinR, then measures concerning FinR are assigned to R and those about FinR's spouse are assigned to R's spouse. But if R is not the FinR, then measures about FinR are assigned to R's spouse and those concerning FinR's spouse are assigned to R.

RwPENIC1 and RwPENIC2 indicate whether the respondent can continue pension #1 and pension #2 after death. SwPENIC1 and SwPENIC2 provide the information for the respondent's spouse or partner.

RwPENIC1 and RwPENIC2 simply recode for missing values. RwPENIC1 is set to .Z if skipped because R has no pension income. RwPENIC2 is set to .Z if skipped because R has no more than two pension income. R3PENIC1 and R3PENIC2 are set to .U for Wave 3A cases who were unmarried.

The spouse measures are constructed in the same way. If R 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 these questions are only asked if pension income for R or spouse is reported. It is 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 and more pensions are reported.

In Wave 3A, the question was not asked of single respondents.

HRS Variables Used

HRS 1994:

W6071 N20.RETIREMENT PENSIONS?
 W6072 N20a.WHO RECEIVES PENSIO
 W6073 N20b.>1 PENSION?
 W6074 N20c.NUMBER PENSIONS
 W6082 N20k.PAYMENT STOP/CONTIN
 W6090 N20w.PAYMENT STOP/CONTIN
 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
 F4972 J130.#PENSIONS
 FR4970 J128.WHO RECD PENSION/Self
 FR4971 J129.>1 PENSION/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
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

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
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
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	0.44	0.50	0.0	1.0
R10JCPEN	4583	0.41	0.49	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	3204	0.43	0.49	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	R8JCPEN	R9JCPEN	R10JCPEN
.D.DK	68	21	21	33	43	32	32	25	36	32
.M.Missing		12	224	66	43	1	2	39	42	30
.Q.Not asked this wv		8222								
.R.Refused	16	1	7	11	6	27	19	14	22	20
.W.Not Working	4273	4376	11174	12986	12376	12103	12288	11827	11321	10707
0.No	3839	3254	3293	4273	3711	3323	4127	3658	3218	2722
1.Yes	4456	3756	3272	4015	3400	2679	3661	2906	2578	1861
Value-----	S1JCPEN	S2JCPEN	S3JCPEN	S4JCPEN	S5JCPEN	S6JCPEN	S7JCPEN	S8JCPEN	S9JCPEN	S10JCPEN
.D.DK	46	15	17	22	35	24	27	23	27	20
.M.Missing		9	137	49	29	1	1	27	24	8
.Q.Not asked this wv		4549								
.R.Refused	10		5	1	4	20	15	7	13	13
.U.R not married	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V.S non-response	379	384	418	537	311	220	380	317	365	431
.W.Not Working	3298	3239	6742	7741	7350	7132	7209	6862	6393	5996
0.No	3034	2549	2506	3106	2720	2444	2973	2640	2276	1839
1.Yes	3512	2927	2508	3059	2592	2018	2747	2176	1913	1365
Value-----	R1JCPENF	R2JCPENF	R3JCPENF	R4JCPENF	R5JCPENF	R6JCPENF	R7JCPENF	R8JCPENF		
.Q.Not asked this wv		8222								
.S.No pen info	4357	4410	11426	13096	12468	12163	12341	11905		
0.No addl info	8295	3853	3826	5754	4295	3702	5907	3960		
1.No rules chg		2777	2323	2036	2203	1732	1492	2068		
2.No chg/JCPEN=no, b/c 0 pl		13	72	117	43	104	67	98		
3.No chg/PENCT= #ptyp or gt		2				5	9	4		
4.Rules chg		271	262	228	405	256	164	245		
5.Rule chg/JCPEN=no, b/c 0		4			2	3	5	6		
6.New Pen/JCPEN=no, b/c 0 p					20	10	15	7		
7.Old and new pen info		10	4	4		10				
8.Denies but had pen		73	68	80	142	123	113	172		
9.Denies and no pen			10	69	1	53				
10.RuleChg/PENCT= #ptyp, gt		4				1		3		
11.New Pen/PENCT= #ptyp, gt		3				3	16	1		

Value-----	S1JCPENF	S2JCPENF	S3JCPENF	S4JCPENF	S5JCPENF	S6JCPENF	S7JCPENF	S8JCPENF
.Q.Not asked this wv		4549						
.S.No pen info	3354	3263	6901	7813	7418	7177	7252	6919
.U.R not married	2373	5970	5658	6869	6538	6306	6777	6417
.V.S non-response	379	384	418	537	311	220	380	317
0.No addl info	6546	3015	2935	4244	3138	2746	4319	2869
1.No rules chg		2150	1766	1543	1704	1298	1133	1544
2.No chg/JCPEN=no, b/c 0 pl		11	50	91	33	76	46	76
3.No chg/PENCT= #ptyp or gt		2				3	9	2
4.Rules chg		225	200	179	306	193	106	184
5.Rule chg/JCPEN=no, b/c 0		4			2	2	5	3
6.New Pen/JCPEN=no, b/c 0 p					15	7	10	3
7.Old and new pen info		9	4	3		4		
8.Denies but had pen		54	53	61	113	91	80	133
9.Denies and no pen			6	44	1	39		
10.RuleChg/PENCT= #ptyp, gt		3						2
11.New Pen/PENCT= #ptyp, gt		3				3	12	

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.

The set of questions asked differs depending on whether R had a pension and worked for the same employer in the previous wave or not. Whether R 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 R in Wave 'w'.

If R is working, questions ask about the current job's pension plan. If the current job is newly reported in a given wave or if R was not included in a pension plan with the current employer at the previous wave, R 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 forward, they ask about up to four.

In these cases, RwJCPEN is set to yes (=1) if R reports being included in a pension and subsequently reports at least one pension when asked how many, or reports at least one plan type. If R responds no to the inclusion question, or if the number of pension plans is zero and no plan type is reported, 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 R 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 R indicates that the rules have changed, s/he is asked the complete set of questions asked about newly reported pensions. Except in Wave 7, if the rules have not changed, a limited number of follow-up questions about pension characteristics are asked. In Wave 7, R is asked the complete set of questions regardless of whether the rules have changed. R may also deny having the pension.

In these cases, RwJCPEN is assumed to be yes (=1), unless the pension is denied, or the number of plans reported is zero and no plan type is given. If R denies having a pension, RwJCPEN is set to zero, and RwJCPENF (=8 or 9) indicates the denial along with whether the data show R reporting a pension in the previous wave. Whether or not R indicates a rules change, RwJCPEN is set to no (=0) if the number of plans reported is zero and 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) that this was done.

In some cases, information appears in both sets of questions, usually when R reports have 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 Wave 9, the pension questionnaire changed. The skip patterns are less complicated and less information is collected. We will not be including R9JCPENF 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 R is asked this question.

RwJCPEN is set to .W if skipped because R has no current job, and to 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 R is not married, SwJCPEN and SwJCPENF are set to .U=unmarried. If R'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 R 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 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. 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 R is self-employed or not.

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, for those who report working for the same employer as in the previous wave, who were included in a pension plan at that time, and who indicate that the rules have not changed, a limited number of follow-up questions about pension characteristics are asked. In Wave 7 only, R 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 report having a new current job pension, i.e., those who changed jobs or self-employment status between waves, who did not report having a current job pension at the prior wave, who report a rules change in the pension they had at the previous wave, or who are new to the HRS study.

In Wave 9, the pension questionnaire changed. The skip patterns are less complicated and less information is collected. As a result, we are not including R9JCPENF. All respondents are 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 R is asked this question.

HRS Variables Used

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
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

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
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

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	1899	1.36	0.58	1.0	6.0
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	1392	1.36	0.59	1.0	6.0

Categorical Variable Codes

Value	R1PENCT	R2PENCT	R3PENCT	R4PENCT	R5PENCT	R6PENCT	R7PENCT	R8PENCT	R9PENCT	R10PENCT
.D.DK	1	18	28	43	35	30	29	17	7	4
.M.Missing			8	1	2		1	5		

.Q.Not asked this wv		8222									
.R.Refuse	3	5	6	11	2	12	8	4	2	4	
.S.No pen info	8196	7647	14647	17252	16114	15369	16381	15452	14632	13465	
.Z.No pen based on PENCT		17	72	117	65	117	87	111			
1	3209	3037	2611	3001	2680	2105	2569	2324	1784	1313	
2	1058	606	532	833	614	477	898	502	692	505	
3	161	72	72	110	56	48	130	49	91	73	
4	18	15	12	12	8	7	18	2	7	7	
5	3	3	2	3	3		6	3	2		
6	2			1			2				1
8	1		1								
Value-----	S1PENCT	S2PENCT	S3PENCT	S4PENCT	S5PENCT	S6PENCT	S7PENCT	S8PENCT	S9PENCT	S10PENCT	
.D.DK	1	14	24	34	30	26	24	12	5	3	
.M.Missing			6	1	1		1	4			
.Q.Not asked this wv		4549									
.R.Refuse	3	3	4	9	2	7	3	3	2	3	
.S.No pen info	6388	5797	9357	10828	10088	9536	10164	9477	8728	7843	
.U.R not married	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V.S non-response	379	384	418	537	311	220	380	317	365	431	
.Z.No pen based on PENCT		15	50	91	50	85	61	82			
1	2512	2354	1982	2259	2027	1574	1913	1734	1315	957	
2	844	479	418	655	479	369	687	378	517	375	
3	130	61	62	87	44	36	96	40	71	54	
4	16	14	10	10	6	6	16	2	6	5	
5	3	2	2	3	3		5	3	2		
6	2			1			2				1
8	1										

How Constructed:

RwPENCT indicates the number of pension plans that R has from current job. SwPENCT provides the information for the respondent's spouse or partner.

If R indicates that s/he has 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 R reports. If R 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 R 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 R reported having zero pension plans and did not provide any plan type information. Note that in this situation, RwJCPEN was set to no. Beginning in Wave 6, if R 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 one. If it is more than one, then RwPENCT is set to two. Otherwise, if missing RwPENCT is set based on the missing values coded in the HRS variables.

RwJCPENF indicates if the 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.

SwPENCT information is taken from the spouse's self-reported RwPENCT variable, if available. If R is not married, SwPENCT is set to .U=unmarried. If R'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 R 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 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 R reports no rules change, a question asks about the number of pensions: "In how many different pension plans are you included on this job?". In Wave 7, or in other waves, if there is no rules change, or there is no prior wave pension with the current employer but R 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).

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 forward, those who don't 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 values 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.

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
 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

Type of pension from current job

Wave	Variable	Label	Type
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
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
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
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
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	1821	1.63	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	1337	1.63	0.53	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	535	1.70	0.49	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	399	1.72	0.48	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	62	1.73	0.45	1.0	2.0
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	47	1.77	0.43	1.0	2.0
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	4	1.75	0.50	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	2	2.00	0.00	2.0	2.0

Categorical Variable Codes

Value-----	R1PTYP1	R2PTYP1	R3PTYP1	R4PTYP1	R5PTYP1	R6PTYP1	R7PTYP1	R8PTYP1	R9PTYP1	R10PTYP1
.D.DK	93	60	48	83	121	76	84	69	160	73
.M.Missing			7							3
.Q.Not asked this wv		8222								
.R.Refused	9	15	8	2	2	2	2	3	10	6
.S.No pen info	8196	7674	14761	17424	16218	15528	16506	15587	14634	13469
1.DB	2703	2145	1596	1776	1495	1107	1420	1153	833	711
2.DC	1511	1298	1318	1763	1570	1265	1905	1499	1497	1066
3.DB+DC	140	228	253	336	173	187	212	158	83	44
Value-----	S1PTYP1	S2PTYP1	S3PTYP1	S4PTYP1	S5PTYP1	S6PTYP1	S7PTYP1	S8PTYP1	S9PTYP1	S10PTYP1
.D.DK	75	46	40	53	92	54	63	49	106	52
.M.Missing			5							2
.Q.Not asked this wv		4549								
.R.Refused	6	13	7	1	2	1	2	3	7	4

.S.No pen info	6388	5818	9441	10963	10171	9654	10253	9576	8730	7846
.U.R not married	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V.S non-response	379	384	418	537	311	220	380	317	365	431
1.DB	2132	1675	1198	1327	1140	825	1043	842	613	526
2.DC	1191	1003	1022	1367	1196	964	1446	1143	1129	779
3.DB+DC	108	184	202	267	129	141	165	122	61	32

Value-----	R1PTYP2	R2PTYP2	R3PTYP2	R4PTYP2	R5PTYP2	R6PTYP2	R7PTYP2	R8PTYP2	R9PTYP2	R10PTYP2
.D.DK	15	13	17	18	26	22	28	20	80	34
.M.Missing			1	1		2		1	1	13
.Q.Not asked this wv		8222								
.R.Refused	4	6	6	12	3	6	1	4	3	4
.S.No pen info	11404	10724	17371	20422	18898	17633	19075	17912	16425	14786
1.DB	199	204	151	274	203	150	271	131	197	166
2.DC	1017	440	412	599	440	323	714	391	502	362
3.DB+DC	13	33	33	58	9	29	40	10	9	7

Value-----	S1PTYP2	S2PTYP2	S3PTYP2	S4PTYP2	S5PTYP2	S6PTYP2	S7PTYP2	S8PTYP2	S9PTYP2	S10PTYP2
.D.DK	10	11	10	14	18	16	22	15	59	23
.M.Missing			1	1		2		1	1	11
.Q.Not asked this wv		4549								
.R.Refused	4	5	6	8	2	4	1	3	1	2
.S.No pen info	8900	8183	11422	13219	12198	11228	12166	11311	10050	8806
.U.R not married	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V.S non-response	379	384	418	537	311	220	380	317	365	431
1.DB	161	167	118	214	166	121	212	107	145	119
2.DC	815	344	331	479	339	249	540	289	382	274
3.DB+DC	10	29	27	43	7	19	31	9	8	6

Value-----	R1PTYP3	R2PTYP3	R3PTYP3	R4PTYP3	R5PTYP3	R6PTYP3	R7PTYP3	R8PTYP3	R9PTYP3	R10PTYP3
.D.DK	9	8	7	12	8	4	14	3	12	8
.M.Missing			2	1		2		1		7
.Q.Not asked this wv		8222								
.R.Refused	4	2	6	4	1	2	3	2	6	4
.S.No pen info	12463	11330	17902	21251	19512	18110	19973	18415	17117	15291
1.DB	15	22	15	40	18	14	39	12	22	17
2.DC	159	47	55	71	39	29	97	35	57	45
3.DB+DC	2	11	4	5	1	4	3	1	3	

Value-----	S1PTYP3	S2PTYP3	S3PTYP3	S4PTYP3	S5PTYP3	S6PTYP3	S7PTYP3	S8PTYP3	S9PTYP3	S10PTYP3
.D.DK	9	6	7	11	7	3	11	1	8	7
.M.Missing			2			1		1		3
.Q.Not asked this wv		4549								
.R.Refused	4	2	6	4	2	2	1	2	5	3
.S.No pen info	9744	8662	11839	13871	12677	11597	12853	11690	10567	9181
.U.R not married	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V.S non-response	379	384	418	537	311	220	380	317	365	431
1.DB	13	18	11	32	18	10	32	10	18	11
2.DC	128	42	47	56	27	23	73	30	45	36
3.DB+DC	2	9	3	4	1	3	2	1	3	

Value-----					R5PTYP4	R6PTYP4	R7PTYP4	R8PTYP4	R9PTYP4	R10PTYP4
.D.DK						1	3	1	3	2
.M.Missing					1	1				1
.R.Refused										1
.S.No pen info					19568	18158	20103	18464	17208	15364
1.DB					3	2	4	3	1	1
2.DC					7	3	18	1	4	3
3.DB+DC							1		1	

Value-----					S5PTYP4	S6PTYP4	S7PTYP4	S8PTYP4	S9PTYP4	S10PTYP4
.D.DK							2	1	3	2
.M.Missing					1	1				1
.R.Refused										1
.S.No pen info					12721	11633	12949	11730	10638	9235
.U.R not married					6538	6306	6777	6417	6206	5700
.V.S non-response					311	220	380	317	365	431
1.DB					2	2	4	3	1	
2.DC					6	3	16	1	4	2
3.DB+DC							1			

How Constructed:

RwPTY1, RwPTY2, RwPTY3 and RwPTY4 indicate the types of pension plans in which the respondent is included for the current job. Before Waves 5, up to three plan types may be reported. From Wave 5 forward, up to four plan types may be reported. SwPTY1, SwPTY2, SwPTY3 and SwPTY4 provide the information for the respondent's spouse or partner.

If R is included in a pension in his/her current job then s/he is asked for the type of plan. R may identify the plan type as Type A, Type B, or both. A Type A plan refers to a defined benefits (DB) plan and a Type B plan refers to a defined contribution (DC) plan. RwPTY1, RwPTY2, RwPTY3 and RwPTY4 are set to the types of pensions that R reports. The plan type is simply recoded for missing values. It is set to .S if the question is skipped because R does not have the pension, e.g., if R has one pension RwPTY2 to RwPTY3 (or RwPTY4 from Wave 5 on) are set to .S. They are also set to .S if R does not have a pension on the current job, did not provide a number of pensions, or is not working.

SwPTY1, SwPTY2, SwPTY3 and SwPTY4 information is taken from the spouse's self-reported RwPTY1, RwPTY2, RwPTY3 and RwPTY4 variables, if available. If R is not married, SwPTY1, SwPTY2, SwPTY3 and SwPTY4 are set to .U=unmarried. If R's spouse did not respond then SwPTY1, SwPTY2, SwPTY3 and SwPTY4 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 R 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 R 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 Wave 7, or in other waves, if there is no rules change, or there is no prior wave pension with the current employer but R reports one in the current wave, a more complete set of questions are 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 R works for a firm or is self-employed. The wording in both places is the same as in Wave 1. For firm set of questions, up to three plan types are reported. For the self-employed set of questions, only one plan type is reported.

The questions are not asked in Wave 2A.

Beginning in Wave 6, a fourth plan type is asked if R reports having at least four plans.

HRS Variables Used

HRS 1992:
V2838 F36:PENSION PLANS
V2901 F37:PENS/RET PLNS ON JOB
V2908 F38:# PLNS INCLD ON JB
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
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

Detailed type of pension from current job
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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
9	S9PTYPD1	S9PTYPD1:W9 Current pension type in detail #1	Categ
10	S10PTYPD1	S10PTYPD1:W10 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
9	S9PTYPD2	S9PTYPD2:W9 Current pension type in detail #2	Categ
10	S10PTYPD2	S10PTYPD2:W10 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
9	S9PTYPD3	S9PTYPD3:W9 Current pension type in detail #3	Categ
10	S10PTYPD3	S10PTYPD3:W10 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
9	S9PTYPD4	S9PTYPD4:W9 Current pension type in detail #4	Categ
10	S10PTYPD4	S10PTYPD4:W10 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
9	S9PTYPF1	S9PTYPF1:W9 Does pension type match detail? #1	Categ
10	S10PTYPF1	S10PTYPF1:W10 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
9	S9PTYPF2	S9PTYPF2:W9 Does pension type match detail? #2	Categ
10	S10PTYPF2	S10PTYPF2:W10 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
9	S9PTYPF3	S9PTYPF3:W9 Does pension type match detail? #3	Categ
10	S10PTYPF3	S10PTYPF3:W10 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
9	S9PTYPF4	S9PTYPF4:W9 Does pension type match detail? #4	Categ
10	S10PTYPF4	S10PTYPF4:W10 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	1560	2.91	4.95	1.0	96.0

S9PTYPD1	1653	3.39	7.47	1.0	95.0
S10PTYPD1	1158	2.93	4.80	1.0	96.0
R9PTYPD2	648	5.92	12.88	1.0	96.0
R10PTYPD2	465	5.62	13.76	1.0	96.0
S9PTYPD2	499	5.78	12.73	1.0	96.0
S10PTYPD2	345	5.94	15.06	1.0	96.0
R9PTYPD3	74	11.85	22.95	1.0	96.0
R10PTYPD3	59	10.42	23.46	1.0	96.0
S9PTYPD3	61	12.00	22.63	1.0	96.0
S10PTYPD3	43	4.21	3.17	1.0	10.0
R9PTYPD4	4	8.25	6.13	2.0	14.0
R10PTYPD4	4	27.50	45.68	4.0	96.0
S9PTYPD4	3	10.33	5.51	4.0	14.0
S10PTYPD4	3	34.67	53.12	4.0	96.0
R9PTYPF1	2422	0.68	0.47	0.0	1.0
R10PTYPF1	1741	0.63	0.48	0.0	1.0
S9PTYPF1	1804	0.69	0.46	0.0	1.0
S10PTYPF1	1277	0.64	0.48	0.0	1.0
R9PTYPF2	706	0.73	0.44	0.0	1.0
R10PTYPF2	497	0.71	0.46	0.0	1.0
S9PTYPF2	535	0.74	0.44	0.0	1.0
S10PTYPF2	368	0.72	0.45	0.0	1.0
R9PTYPF3	79	0.73	0.44	0.0	1.0
R10PTYPF3	58	0.74	0.44	0.0	1.0
S9PTYPF3	64	0.72	0.45	0.0	1.0
S10PTYPF3	45	0.73	0.45	0.0	1.0
R9PTYPF4	5	0.40	0.55	0.0	1.0
R10PTYPF4	3	1.00	0.00	1.0	1.0
S9PTYPF4	4	0.50	0.58	0.0	1.0
S10PTYPF4	2	1.00	0.00	1.0	1.0

Categorical Variable Codes

Value-----	R9PTYPD1	R10PTYPD1
.D DK (Don't know)	303	201
.O Other (Specify)	84	137
.R RF (Refused)	5	5
.S No Pen	14634	13469
1.401k plan	1217	841
2.Supplemental Retirement A	93	117
3.Defined Benefit plan	368	195
4.Defined Contribution plan	178	180
5.401a plan	1	4
6.403b plan	107	101
7.457 plan	11	3
8.Thrift/Savings plan (tsp)	39	34
9.Profit-sharing plan	59	28
10.Employee stock ownership	27	14
11.Money purchase plan	1	

13.Employee stock purchase	7	
14.SEP or Simple plan	55	34
15.Combination plan	13	4
16.Cash balance plan	5	2
95.IRA/Keogh	10	
96.Not pension, health plan		3

Value-----	S9PTYPD1	S10PTYPD1
.D DK (Don't know)	196	130
.O Other (Specify)	64	103
.R RF (Refused)	3	4
.S No Pen	8730	7846
.U.R not married	6206	5700
.V.S non-response	365	431
1.401k plan	915	623
2.Supplemental Retirement A	70	80
3.Defined Benefit plan	270	153
4.Defined Contribution plan	134	131
5.401a plan		3
6.403b plan	85	74
7.457 plan	6	1
8.Thrift/Savings plan (tsp)	28	25
9.Profit-sharing plan	49	24
10.Employee stock ownership	22	10
11.Money purchase plan	1	
13.Employee stock purchase	7	
14.SEP or Simple plan	43	28
15.Combination plan	11	3
16.Cash balance plan	3	1
95.IRA/Keogh	9	
96.Not pension, health plan		2

Value-----	R9PTYPD2	R10PTYPD2
.D DK (Don't know)	108	55
.M Missing	1	3
.O Other (Specify)	32	60
.R RF (Refused)	3	3
.S No Pen	16425	14786
1.401k plan	224	151
2.Supplemental Retirement A	61	78
3.Defined Benefit plan	87	63
4.Defined Contribution plan	52	39
5.401a plan	3	2
6.403b plan	50	44
7.457 plan	18	15
8.Thrift/Savings plan (tsp)	38	16
9.Profit-sharing plan	42	18
10.Employee stock ownership	25	17
11.Money purchase plan	1	
13.Employee stock purchase	21	8
14.SEP or Simple plan	4	3
15.Combination plan	2	
16.Cash balance plan	8	1
95.IRA/Keogh	4	
96.Not pension, health plan	8	10

Value-----	S9PTYPD2	S10PTYPD2
.D DK (Don't know)	72	43
.M Missing	1	2
.O Other (Specify)	22	43
.R RF (Refused)	2	2
.S No Pen	10050	8806
.U.R not married	6206	5700
.V.S non-response	365	431
1.401k plan	172	115
2.Supplemental Retirement A	53	58
3.Defined Benefit plan	66	47
4.Defined Contribution plan	41	28
5.401a plan	3	2
6.403b plan	38	35
7.457 plan	10	8
8.Thrift/Savings plan (tsp)	30	10
9.Profit-sharing plan	35	13
10.Employee stock ownership	17	13
11.Money purchase plan	1	
13.Employee stock purchase	16	3

14.SEP or Simple plan		2	3
15.Combination plan		1	
16.Cash balance plan		5	1
95.IRA/Keogh		2	
96.Not pension, health plan		7	9
Value-----	R9PTYPD3	R10PTYPD3	
.D DK (Don't know)		16	6
.M Missing			3
.O Other (Specify)		5	10
.R RF (Refused)		5	3
.S No Pen	17117	15291	
1.401k plan		11	11
2.Supplemental Retirement A		7	13
3.Defined Benefit plan		6	5
4.Defined Contribution plan		11	7
5.401a plan		2	1
6.403b plan		3	4
7.457 plan		5	5
8.Thrift/Savings plan (tsp)		3	1
9.Profit-sharing plan		4	1
10.Employee stock ownership		10	7
12.Portable cash option pla		1	
13.Employee stock purchase		6	
95.IRA/Keogh		3	
96.Not pension, health plan		2	4
Value-----	S9PTYPD3	S10PTYPD3	
.D DK (Don't know)		11	4
.M Missing			3
.O Other (Specify)		3	8
.R RF (Refused)		4	2
.S No Pen	10567	9181	
.U.R not married	6206	5700	
.V.S non-response	365	431	
1.401k plan		8	9
2.Supplemental Retirement A		5	11
3.Defined Benefit plan		5	2
4.Defined Contribution plan		10	7
5.401a plan		1	
6.403b plan		2	3
7.457 plan		4	3
8.Thrift/Savings plan (tsp)		2	1
9.Profit-sharing plan		4	1
10.Employee stock ownership		9	6
12.Portable cash option pla		1	
13.Employee stock purchase		6	
95.IRA/Keogh		2	
96.Not pension, health plan		2	
Value-----	R9PTYPD4	R10PTYPD4	
.D DK (Don't know)		4	2
.O Other (Specify)		1	1
.R RF (Refused)			1
.S No Pen	17208	15364	
2.Supplemental Retirement A		1	
4.Defined Contribution plan		1	2
6.403b plan			1
13.Employee stock purchase		1	
14.SEP or Simple plan		1	
96.Not pension, health plan			1
Value-----	S9PTYPD4	S10PTYPD4	
.D DK (Don't know)		4	2
.O Other (Specify)		1	
.R RF (Refused)			1
.S No Pen	10638	9235	
.U.R not married	6206	5700	
.V.S non-response	365	431	
4.Defined Contribution plan		1	2
13.Employee stock purchase		1	
14.SEP or Simple plan		1	
96.Not pension, health plan			1
Value-----	R9PTYPF1	R10PTYPF1	
.D=DK/NA		156	157

.N=Not a pension, other			3
.R=RF		5	2
.S=Skip		14634	13469
0.no		783	647
1.yes		1639	1094
Value-----	S9PTYPF1	S10PTYPF1	
.D=DK/NA		109	114
.N=Not a pension, other			2
.R=RF		3	2
.S=Skip		8730	7846
.U=Unmar		6206	5700
.V=Sp NR		365	431
0.no		557	459
1.yes		1247	818
Value-----	R9PTYPF2	R10PTYPF2	
.D=DK/NA		75	73
.M=Oth missing		1	3
.N=Not a pension, other		8	10
.R=RF		2	3
.S=Skip		16425	14786
0.no		189	145
1.yes		517	352
Value-----	S9PTYPF2	S10PTYPF2	
.D=DK/NA		52	54
.M=Oth missing		1	2
.N=Not a pension, other		7	9
.R=RF		1	2
.S=Skip		10050	8806
.U=Unmar		6206	5700
.V=Sp NR		365	431
0.no		140	103
1.yes		395	265
Value-----	R9PTYPF3	R10PTYPF3	
.D=DK/NA		14	13
.M=Oth missing			3
.N=Not a pension, other		2	4
.R=RF		5	3
.S=Skip		17117	15291
0.no		21	15
1.yes		58	43
Value-----	S9PTYPF3	S10PTYPF3	
.D=DK/NA		9	10
.M=Oth missing			3
.N=Not a pension, other		2	
.R=RF		4	2
.S=Skip		10567	9181
.U=Unmar		6206	5700
.V=Sp NR		365	431
0.no		18	12
1.yes		46	33
Value-----	R9PTYPF4	R10PTYPF4	
.D=DK/NA		4	3
.N=Not a pension, other			1
.R=RF			1
.S=Skip		17208	15364
0.no		3	
1.yes		2	3
Value-----	S9PTYPF4	S10PTYPF4	
.D=DK/NA		4	2
.N=Not a pension, other			1
.R=RF			1
.S=Skip		10638	9235
.U=Unmar		6206	5700
.V=Sp NR		365	431
0.no		2	
1.yes		2	2

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 asked in Wave 9. SwPTYPD1, SwPTYPD2, SwPTYPD3 and SwPTYPD4 provide the information for the respondent's spouse or partner.

From Wave 9 onwards, if R is included in a pension in his/her current job then s/he is asked what their employer calls the plan. R 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 to "96:Not a pension". In Wave 10, code 95 was dropped and code 96 was simplified to "Not a pension".

RwPTYPD1, RwPTYPD2, RwPTYPD3 and RwPTYPD4 are set to the type of pensions that R reports. The plan type is simply recoded for missing values. It is set to .S if the question is skipped because R does not have the pension, e.g., if R has one pension RwPTYPD2 to RwPTYPD3 (or RwPTYPD4 from Wave 5 on) are set to .S. They are also set to .S if R does not have a pension on the current job, did not provide a number of pensions, or is not working.

So now we have two pension type variables - RwPTYPD1-4 that tells us if a plan is DB, DC, Both, or Not a Pension and RwPTYPD1-4 that tells us what R's employer calls his plan. RwPTYPF1, RwPTYPF2, RwPTYPF3 and RwPTYPF4 tell us if R's response in RwPTYPD1-4 matches RwPTYPD1-4. We created a crosswalk between the two plan type variables.

RwPTYPF1-4 = 1 if R can correctly identify a DB and DC plan from the employer list.

RwPTYPF1-4 = 0 if R cannot identify a DB and DC plan from the employer list.

RwPTYPF1-4 = .S if R does not report a pension.

RwPTYPF1-4 = .R if R refused to answer both RwPTYPD1 and RwPTYPD1.

RwPTYPF1-4 = .N if R reports "Not a Pension" in RwPTYPD1-4.

RwPTYPF1-4 = .D if both RwPTYPD1 and RwPTYPD1 report DK or if RwPTYPD1 is reported as '.0 Other'. As we do not have information on what the 'Other' plan is, we cannot say if R 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 R is not married, SwPTYPD1, SwPTYPD2, SwPTYPD3 and SwPTYPD4 are set to .U=unmarried. If R'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 R is not married, SwPTYPF1, SwPTYPF2, SwPTYPF3 and SwPTYPF4 are set to .U=unmarried. If R'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, the question asks about the current job's pension.

If R reports having a pension(s) from the current job, the number of pensions is ascertained and R is asked "What does your employer call your plan?". This detailed type of pension is requested for up to four pensions. If R has multiple plans of different types, the most important plan is recorded rather than combining them as "Combination Plan".

Then R is asked "Is your plan Type A or Type B?". The response may be Type A, Type B, or both. RwPTYPF1-4 tells us if R 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
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

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
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
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
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
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
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
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
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
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	15270	0.73	0.44	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	9203	0.67	0.47	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	15266	0.70	0.46	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	9201	0.65	0.48	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	15158	0.09	0.29	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	9166	0.05	0.21	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	15298	0.07	0.25	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	9218	0.07	0.26	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	R8HIGOV	R9HIGOV	R10HIGOV
.D=DK/NA	112	18	12	29	28	24	48	33	40	63
.M=Oth missing	95	29	58	69	49	13	17	14	16	23
.R=RF		8	9	12	10	10	12	5	7	16
0.no	10452	9423	8228	9277	7716	6200	7836	6237	5188	4113
1.yes	1993	10164	9684	11997	11776	11918	12216	12180	11966	11157

Value-----	S1HIGOV	S2HIGOV	S3HIGOV	S4HIGOV	S5HIGOV	S6HIGOV	S7HIGOV	S8HIGOV	S9HIGOV	S10HIGOV
.D=DK/NA	52	6	10	11	11	10	21	13	20	25
.M=Oth missing	95	8	17	16	10	5	2	3	4	3
.R=RF		5	2	6	6	9	10	2	4	10
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	418	537	311	220	380	317	365	431
0.no	8651	7321	6356	7095	5975	4796	5925	4763	3886	2997
1.yes	1481	5748	5530	6850	6728	6819	7014	6954	6732	6206

Value-----	R1GOVMR	R2GOVMR	R3GOVMR	R4GOVMR	R5GOVMR	R6GOVMR	R7GOVMR	R8GOVMR	R9GOVMR	R10GOVMR
.D=DK/NA	116	21	11	27	34	27	41	32	38	66
.M=Oth missing	95	29	52	69	49	13	17	13	16	23
.R=RF		9	9	11	10	10	10	4	7	17
0.no	11489	10572	9088	10161	8401	6816	8584	6845	5686	4598
1.yes	952	9011	8831	11116	11085	11299	11477	11575	11470	10668

Value-----	S1GOVMR	S2GOVMR	S3GOVMR	S4GOVMR	S5GOVMR	S6GOVMR	S7GOVMR	S8GOVMR	S9GOVMR	S10GOVMR
.D=DK/NA	54	5	8	9	11	11	15	12	18	26
.M=Oth missing	95	8	14	16	10	5	2	3	4	3
.R=RF		5	2	6	6	8	8	1	4	11
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	418	537	311	220	380	317	365	431
0.no	9339	8060	6887	7601	6377	5169	6342	5112	4154	3259
1.yes	791	5010	5004	6346	6326	6446	6605	6607	6466	5942

Value-----	R1GOVMD	R2GOVMD	R3GOVMD	R4GOVMD	R5GOVMD	R6GOVMD	R7GOVMD	R8GOVMD	R9GOVMD	R10GOVMD
.D=DK/NA	116	8	51	64	48	69	97	109	134	172
.M=Oth missing	95	78	79	69	49	14	17	15	16	23
.R=RF		8	11	13	9	17	9	5	6	19
0.no	11947	18156	16458	19581	17897	16548	18267	16833	15538	13737
1.yes	494	1392	1392	1657	1576	1517	1739	1507	1523	1421

Value-----	S1GOVMD	S2GOVMD	S3GOVMD	S4GOVMD	S5GOVMD	S6GOVMD	S7GOVMD	S8GOVMD	S9GOVMD	S10GOVMD
.D=DK/NA	54	4	17	24	14	23	31	40	34	61
.M=Oth missing	95	23	24	16	10	5	2	3	4	3
.R=RF		5	3	7	6	12	8	2	4	11
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	418	537	311	220	380	317	365	431
0.no	9926	12588	11413	13393	12182	11091	12367	11187	10126	8722
1.yes	204	468	458	538	518	508	564	503	478	444

Value-----	R1GOVVA	R2GOVVA	R3GOVVA	R4GOVVA	R5GOVVA	R6GOVVA	R7GOVVA	R8GOVVA	R9GOVVA	R10GOVVA
.D=DK/NA	115	60	15	9	17	17	34	40	32	39
.M=Oth missing	95	78	77	69	49	14	17	15	16	23
.R=RF		22	11	12	6	16	7	4	5	12

0.no	11800	18733	17266	20679	18976	17171	19035	17406	16220	14281
1.yes	642	749	622	615	531	947	1036	1004	944	1017
Value-----	S1GOVVA	S2GOVVA	S3GOVVA	S4GOVVA	S5GOVVA	S6GOVVA	S7GOVVA	S8GOVVA	S9GOVVA	S10GOVVA
.D=DK/NA	54	37	7	5	8	8	12	11	11	12
.M=Oth missing	95	23	22	16	10	5	2	3	4	3
.R=RF		14	2	6	5	13	6	3	3	8
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	418	537	311	220	380	317	365	431
0.no	9591	12412	11395	13482	12304	10928	12222	11017	9969	8544
1.yes	539	602	489	469	403	685	730	701	659	674
Value-----	R1GOVOT	R2GOVOT	R3GOVOT							
.D=DK/NA	115	60	12							
.M=Oth missing	109	78	25							
.Q=Not asked this wave			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 wave			8629							
.R=RF		14								
.U=Unmar	2373	5970	5658							
.V=Sp 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 R (and in wave 1, R'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 R 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 R 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 R indicates that he/she is currently covered by any of these types of insurance, then RwHIGOV is set to yes (=1). If R 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. [<http://www.tricare.osd.mil/TricareHandbook/results.cfm?tn=6&cn=3>]

S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT for Wave 1 are taken from the Financial Respondent's (FinR's) information appropriately. That is, if R is the FinR, then S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT are the FinR spouse's information. But if R is the spouse of FinR, then S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT are the FinR'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 R is not married, SwHIGOV, SwGOVMR,

SwGOVMD, SwGOVVA and SwGOVOT are set to .U=unmarried. If R'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 (FinR), about FinR's insurance coverage and, if married, FinR'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 Wave 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? TRICARE, which replaces CHAMPUS for active and retired military, and is separate from CHAMP-VA, was not included in the question wording prior to Wave 6. There were also restrictions on coverage by TRICARE when over 65 and covered by Medicare until 2001.

HRS Variables Used

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:

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
Tracker:
AFINR 1992 WHETHER FINANCIAL RESPONDENT

Covered by Health insurance from a current or previous employer
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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
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
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
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

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	17051	0.29	0.45	0.0	1.0
R10COVR	14656	0.30	0.46	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	10710	0.20	0.40	0.0	1.0
S10COVR	9040	0.20	0.40	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	17069	0.15	0.35	0.0	1.0
R10COVS	14757	0.15	0.36	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	10572	0.32	0.47	0.0	1.0
S10COVS	8825	0.33	0.47	0.0	1.0

Categorical Variable Codes

Value-----	R1COVR	R2COVR	R3COVR	R4COVR	R5COVR	R6COVR	R7COVR	R8COVR	R9COVR	R10COVR
.C=Cov,DK by whose emplyr	11	36	439	590	36					
.D=DK/NA			46			66	69	66	85	52
.E=Cov,DK whether by emplyr			1401			83	87	60	48	36
.M=Missing answer	95	43	78	107	96	14	18	15	17	616
.Q=Not asked this wave		8222								
.R=RF			17			43	24	15	16	12
.T=Cov by oth,maybe ex-spou	82									
0=No	6673	6323	10107	13378	12739	11786	13048	12505	12102	10261
1=Yes	5791	5018	5903	7309	6708	6173	6883	5808	4949	4395

Value-----	S1COVR	S2COVR	S3COVR	S4COVR	S5COVR	S6COVR	S7COVR	S8COVR	S9COVR	S10COVR
.C=Cov,DK by whose emplyr	6	25	158	236	17					
.D=DK/NA			12			19	19	25	21	15
.E=Cov,DK whether by emplyr			795			30	24	15	21	17
.M=Missing answer	98	15	18	28	28	3	1	3	3	277
.Q=Not asked this wave		4549								
.R=RF			4			22	12	5	9	5
.T=Cov by oth,maybe ex-spou	8									
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		384	282	367	209	129	215	203	247	318
0=No	6782	5903	8451	10790	9721	9004	10080	9282	8607	7194
1=Yes	3385	2796	2613	3094	3066	2652	3001	2519	2103	1846

Value-----	R1COVS	R2COVS	R3COVS	R4COVS	R5COVS	R6COVS	R7COVS	R8COVS	R9COVS	R10COVS
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.C=Cov,DK by whose emplyr	9	36	218	330	31					
.D=DK/NA			33			64	63	59	69	42
.E=Cov,DK whether by emplyr			1421			82	91	57	48	37
.M=Missing answer	98	41	77	101	86	12	17	15	16	524
.Q=Not asked this wave		8222								
.R=RF			16			35	20	13	15	12
.T=Cov by oth,maybe ex-spou	80									
0=No	9108	8406	13276	17478	15948	14948	16557	15348	14572	12509
1=Yes	3357	2937	2950	3475	3514	3024	3381	2977	2497	2248
Value-----	S1COVS	S2COVS	S3COVS	S4COVS	S5COVS	S6COVS	S7COVS	S8COVS	S9COVS	S10COVS
.C=Cov,DK by whose emplyr	10	25	379	496	22					
.D=DK/NA			22			21	25	32	37	25
.E=Cov,DK whether by emplyr			781			38	28	19	23	17
.M=Missing answer	95	17	22	34	38	5	2	3	4	369
.Q=Not asked this wave		4549								
.R=RF			5			30	16	7	10	5
.T=Cov by oth,maybe ex-spou	8									
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		384	418	537	311	220	380	317	365	431
0=No	5574	4961	6389	8174	7836	7177	8078	7635	7201	5906
1=Yes	4592	3736	4317	5274	4834	4368	4823	4039	3371	2919

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 R 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 R 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 R 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 R 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 R 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 R 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 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 R's employer, then RwCOVR is set to SAS special missing code .E, which means R is covered by health insurance,

but it is unknown whether the source is an employer. Similarly, if any source is unknown, and none are R'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 R and R's spouse's employer, then Rwcovr and Rwcovs are set to no, respectively.

In Wave 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 R'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 Wave 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 R indicates whether or not R 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 R'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 R 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 R has some health insurance but we don't know if it 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 R's marital status in Waves 6 and 7, spouse's current or previous employer is not directly asked as the source if R 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 (FinR's) information appropriately. That is, if R is the FinR, then S1covr and S1covs are the FinR spouse's information. But if R is the spouse of FinR, then S1covr and S1covs are FinR'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 R's spouse is covered by R'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 (FinR), about FinR's insurance coverage and, if married, FinR'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 FinR is asked how many plans and the source of up to 2 plans. The source of insurance can be R's current or former employer, R's union, R's spouse's current or former employer or union, and other. If the FinR 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 FinR is then asked by which (if more than one plan). The questions then ask if FinR'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 FinR's spouse on up to 4 employer-provided health insurance plans. For the FinR 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 R 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 R is the FinR 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 R is still covered. If R was not the FinR in Wave 1 and says the records show wrong coverage, or if R (FinR 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 R 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 1000 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, R 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 R 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 R 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 R is married/partnered: "Do you obtain this health insurance through your spouse/partner's Current employer?".

4. Only if R 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, R's current employer could be given as the source even if R is not working, and the spouse's employer could be given as the source even if R 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 R's employer or union, R is also asked who else is covered on this health insurance, and the response options include a code for spouse.

HRS Variables Used

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
 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_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_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_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
 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_2A PRIV PLAN HI- WHO COVERED- 2- 1
 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_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

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
 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

Tracker:

AFINR 1992 WHETHER FINANCIAL RESPONDENT

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
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

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	1608	0.58	0.49	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	1136	0.57	0.49	0.0	1.0

Categorical Variable Codes

Value-----	R1COVRT	R2COVRT	R3COVRT	R4COVRT	R5COVRT	R6COVRT	R7COVRT	R8COVRT	R9COVRT	R10COVRT
.A=Already 65+			438	2246	2321	2633	2556	2429	2238	2286
.D=DK/NA		152	215	282	317	255	286	277	176	97

.H=Missing whether covrd	90	79	515	697	132	206	198	156	166	716
.M=Missing answer	862	9	111	130	13	215	275	197	133	76
.N=No Plan	6628	6323	5639	13378	12739	11786	13048	12505	12102	10234
.Q=Not asked this wave		8222	7027							
.R=RF		3	2	1		2		1		1
.S=Skip, not cur/prv emp pl			361	426	320	31	26	20	17	354
0=No	1150	1453	1301	1572	1352	999	1489	1114	953	679
1=Yes	3922	3401	2382	2652	2385	2038	2250	1771	1432	929
Value-----	S1COVRT	S2COVRT	S3COVRT	S4COVRT	S5COVRT	S6COVRT	S7COVRT	S8COVRT	S9COVRT	S10COVRT
.A=Already 65+			387	1504	1528	1709	1649	1527	1389	1426
.D=DK/NA		100	151	208	232	195	205	222	125	69
.H=Missing whether covrd	10	54	493	660	93	151	113	99	120	545
.M=Missing answer	668	6	73	98	9	174	217	162	104	57
.N=No Plan	5529	5100	4400	8454	8059	7298	8335	7867	7463	6083
.Q=Not asked this wave		4549	3704							
.R=RF		1	2	1		2				
.S=Skip, not cur/prv emp pl			289	328	253	20	15	15	12	255
.U=Unmar	2356	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		22	88	127	55	42	81	47	57	101
0=No	911	1063	959	1153	994	742	1100	810	693	483
1=Yes	3178	2777	1787	1982	1818	1526	1637	1303	1048	653

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 R's current or previous employer, or union covers retirees, then RwCOVRT is set to yes. If no plan is provided by R'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 R's current or previous employer, or union covers retirees then RwCOVRT is set to yes. If no plan is provided by R'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 R is already 65 then RwCOVRT is set to .A - already 65, and if the plan(s) are not from R's current or previous employer, RwCOVRT is set to .S - question skipped. Note that if the source of insurance is R'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 R's employer, then RwCOVRT is set to .N - no plan.

In all waves, if missing whether R 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 missings.

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 RwCOVRT 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 R is the FinR, then SlCOVRT is the FinR spouse's information. But if R is the spouse of FinR, then SlCOVRT is FinR's information.

From wave 2 on, this information is taken from the spouse's self-reported RwCOVRT variable, if available. If R is not married, SwCOVRT is set to .U=unmarried. If R'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 (FinR), about FinR's insurance coverage and, if married, FinR'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 R was covered by any employer-provided health insurance in Wave 1, R 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 R is already 65, or if the employer-provided health plan is not from either R's current or previous employer (e.g., it is NOT asked if the plan source is a union, spouse's employer, or through R'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

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
 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
 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
MN059_2 EMPLOYER RETIREE COVERAGE UP TO 65- 2
MN059_3 EMPLOYER RETIREE COVERAGE UP TO 65- 3
Tracker:
AFINR 1992 WHETHER FINANCIAL RESPONDENT

.P=Coverage carried from W1		6600								
.Q=Not asked this wave		8222								
.R=Refused	9	2	2	3	2	43	24	15	16	29
.S=Skip, Question not asked			141	500	406	14	18	15	17	24
0=None	3836	3381	6540	10435	9571	5619	6600	6854	7121	6853
1	7751	1278	10380	9632	8912	11674	12465	10850	9419	7833
2	855	92	831	711	603	677	842	598	495	421
3	51	8	78	82	64	51	93	59	43	64
4	4	3	6	7	12	10	8	9	11	13
5			2	3		10	6	2	4	3
6			1	1						
7					1					
11						1	2			
12								1	5	3
13									1	
22							1			
23							1			
Value-----	S1HENUM	S2HENUM	S3HENUM	S4HENUM	S5HENUM	S6HENUM	S7HENUM	S8HENUM	S9HENUM	S10HENUM
.D=Don't know	1	1	8	5	6	21	25	32	37	45
.M=Missing	148	29								
.P=Coverage carried from W1		5379								
.Q=Not asked this wave		4549								
.R=Refused	6	2	1	1	1	30	16	7	10	14
.S=Skip, Question not asked			49	340	283	5	2	3	4	3
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		384	418	537	311	220	380	317	365	431
0=None	2707	2215	3757	5717	5181	2896	3471	3645	3716	3614
1	6579	1030	7393	7236	6667	8112	8740	7534	6457	5228
2	792	75	648	611	537	522	640	460	377	282
3	44	6	52	59	46	38	67	42	34	44
4	2	2	4	5	9	8	5	9	5	8
5			2	3		7	3	2	1	1
6			1	1						
11							2			
12								1	4	2
13									1	
23							1			

How Constructed:

RwHENUM is a count of the number of health insurance plans R reports. This is taken from a direct question that asks how many plans do you have.

In Wave 2H, if preloaded information indicates R was covered by any employer-provided health insurance in Wave 1 and R confirms this, the number of plans is not asked. In these cases R 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 R 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 R's spouse reports.

SwHENUM for wave 1 is taken from the Financial Respondent's information appropriately. That is, if R is the FinR, then S1HENUM is the FinR spouse's information. But if R is the spouse of FinR, then S1HENUM is FinR's information.

From wave 2 on, this information is taken from the spouse's self-reported RwHENUM variable, if available. If R is not married, SwHENUM is set to .U=unmarried. If R'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 (FinR), about FinR's insurance coverage and, if married, FinR'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 R have.

In Wave 2H, if preloaded information indicates R was covered by any employer-provided health insurance in Wave 1, the number of plans is not asked. If R is not covered in Wave 1 but is in Wave 2H, then R is asked how many plans he/she has.

This question is not asked in Wave 2A.

From Wave 3 forward, R is asked how many plans he/she has.

HRS Variables Used

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
Tracker:	
AFINR	1992 WHETHER FINANCIAL RESPONDENT

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
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
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
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
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
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
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
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
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
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
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
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

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	17056	0.57	0.72	0.0	2.0

R10HESRC1	15107	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	10576	0.81	0.88	0.0	2.0
S10HESRC1	9153	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	7676	0.07	0.31	0.0	2.0
R10HESRC2	7345	0.06	0.31	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	3946	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	7180	0.01	0.09	0.0	2.0
R10HESRC3	6925	0.01	0.11	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	3758	0.02	0.18	0.0	2.0
S10HESRC3	3663	0.02	0.18	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	7276	2.14	0.99	1.0	4.0
R10HECOV1	5858	2.06	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	5263	2.76	0.44	2.0	5.0

S10HECOV1	4136	2.73	0.51	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	344	2.09	1.01	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	252	2.71	0.50	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	55	2.05	1.01	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	39	2.74	0.44	2.0	3.0

Categorical Variable Codes

Value-----	R1HESRC1	R2HESRC1	R3HESRC1	R4HESRC1	R5HESRC1	R6HESRC1	R7HESRC1	R8HESRC1	R9HESRC1	R10HESRC1
.C=Cov,DK by whose emplyr			7	399	590	14				
.D=Don't know	1	5	46	22	34					
.M=Missing	95	33	1250	69	49	123	111	96	118	183
.Q=Not asked this wave		8222								
.R=Refused	10	18	17	16	13					
.T=Cov,DK whether by emplyr	84	63	189			74	77	53	43	82
0=No employer-provided insu	3952	3429	7795	10435	9593	9041	10003	9740	9780	9249
1=Respondent	4732	4996	5823	7309	6708	6086	6778	5742	4891	3999
2=Spouse	1031	2869	2472	2943	3168	2841	3160	2838	2385	1859
6=R is a covered non FINR(W	2747									

Value-----	S1HESRC1	S2HESRC1	S3HESRC1	S4HESRC1	S5HESRC1	S6HESRC1	S7HESRC1	S8HESRC1	S9HESRC1	S10HESRC1
.C=Cov,DK by whose emplyr			2	349	496	7				
.D=Don't know	1	2	22	8	19					
.M=Missing	95	12	696	16	10	56	43	42	51	62
.Q=Not asked this wave		4549								
.R=Refused	9	13	5	10	9					
.T=Cov,DK whether by emplyr	8	4	92			32	22	14	19	26
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		384	418	537	311	220	380	317	365	431
0=No employer-provided insu	5713	2252	4420	5717	5196	4819	5465	5376	5313	5017
1=Respondent	971	2735	2079	2457	2655	2432	2702	2319	1938	1478
2=Spouse	3482	3719	4252	5274	4834	4300	4740	3984	3325	2658

Value-----	R1HESRC2	R2HESRC2	R3HESRC2	R6HESRC2	R7HESRC2	R8HESRC2	R9HESRC2	R10HESRC2
.C=Cov,DK by whose emplyr			24					
.D=Don't know			46					
.M=Missing	95	30	88	123	111	96	118	182
.P=Only one plan carried fr		6615						
.Q=Not asked this wave		8222						

.Q=Not asked this wave		8222							
.R=Refused			24		4	2	3	1	5
.X=No more plans	5371	1278	10379		11674	12465	10850	9419	7833
1=Respondent Only	135	6	156		154	227	173	145	157
3=Both	299		150		358	431	310	229	185
4=Respondent, DK Spouse	32	97	496		2	12		3	2
6=R is a covered non FINR(W	280								
Value-----	S1HECOV2	S2HECOV2	S3HECOV2	S6HECOV2	S7HECOV2	S8HECOV2	S9HECOV2	S10HECOV2	
.D=Don't know			116	2	7	6	2	2	
.H=Source missing, question		8							
.M=Missing	95	9	31	56	43	42	51	62	
.N=None	5713	2215	3734	3043	3629	3758	3830	3694	
.P=Only one plan carried fr		5394							
.Q=Not asked this wave		4549							
.R=Refused			10	2	2	2	1	3	
.U=Unmar	2373	5970	5658	6306	6777	6417	6206	5700	
.V=Sp NR		384	418	220	380	317	365	431	
.X=No more plans	4102	1030	7392	8112	8740	7534	6457	5228	
2=Spouse	54		84	69	121	88	79	77	
3=Both	283		144	353	419	305	223	173	
5=Spouse, DK R	32	83	404	2	11		3	2	
Value-----				R6HECOV3	R7HECOV3	R8HECOV3	R9HECOV3	R10HECOV3	
.D=Don't know				2	11	2	5	5	
.M=Missing				123	111	96	118	182	
.N=None				5644	6631	6873	7137	6870	
.R=Refused				4	1			6	
.X=No more plans				12351	13307	11448	9914	8254	
1=Respondent Only				16	24	20	19	26	
3=Both				25	44	30	24	29	
Value-----				S6HECOV3	S7HECOV3	S8HECOV3	S9HECOV3	S10HECOV3	
.D=Don't know				1	6	1	3	2	
.M=Missing				56	43	42	51	62	
.N=None				2914	3490	3655	3726	3624	
.R=Refused				2	1			4	
.U=Unmar				6306	6777	6417	6206	5700	
.V=Sp NR				220	380	317	365	431	
.X=No more plans				8634	9380	7994	6834	5510	
2=Spouse				8	8	13	9	10	
3=Both				24	44	30	23	29	

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 R 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 R is asked for the source. If the plan is provided by R's business, current or previous employer or union, then we set RwHESRCx to 'Respondent'. If the plan comes from respondents spouses 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 R reports that he is covered but no-one else is covered, then RwHECOVx is set to 'Respondent only covered'. If R 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 R 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 FINR's plan and not have any additional plans. Then, R1HESRC1=6 is a special value indicating that

R is a Non-FINR and is only covered under FINR's primary plan. If the non-FINR 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 FINR 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-FINR'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 R 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 R 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 R 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 R 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 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 R'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 R and R'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 R 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 R indicates whether or not R 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 R's marital status in Waves 6 and 7, spouse's current or previous employer is not directly asked as the source if R 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 (FinR's) information appropriately. That is, if R is the FinR, then S1HESRCx and S1HECOVx are the FinR spouse's information. But if R is the spouse of FinR, then S1HESRCx and S1HECOVx are FinR'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 (FinR), about FinR's insurance coverage and, if married, FinR'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 FinR is asked how many plans and the source of up to two plans. The source of insurance can be R's current or former employer, R's union, R's spouse's current or former employer or union, and other. If the FinR 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 FinR is then asked by which (if more than one plan). The questions then ask if FinR'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 FINR's plan and also has additional plans, then we use additional information first and the FINR plan information can be found in the SlHESRCx and SlHECOVx variables. If they do not have additional plans and are only covered by the FINR's plan, then we use the special value '6' to indicate that R is a covered NON-FINR.

So R1HESRC1 is the first plan R reported to be covered under and R1HERTR1 is the first plan R reported to be covered in retirement. The analyst must look at the source variable to see who's employer is providing the coverage. This is only true in Wave 1 - in later waves if the source is not R's employer, the retirement coverage questions are not asked. So in later waves when SwHERTR1=1 then SwHESRC1=2 (Spouses employer). In Wave 2 if R 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 R 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 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 FinR 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 R 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 R is the FinR 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 R is still covered. If R was not the FinR in Wave 1 and says the records show wrong coverage, or if R (FinR 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 R 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 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, R 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 R 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 R 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 R is married/partnered: "Do you obtain this health insurance through your spouse/partner's Current employer?".
4. Only if R 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, R's current employer could be given as the source even if R is not working, and the spouse's employer could be given as the source even if R 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 R's employer or union, R is also asked who else is covered on this health insurance, and the response options include a code for spouse.

HRS Variables Used

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 EMLPR 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?
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_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_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_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
 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_2A PRIV PLAN HI- WHO COVERED- 2- 1
 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_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
 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
 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
 Tracker:
 AFINR 1992 WHETHER FINANCIAL RESPONDENT

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
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
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
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
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
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
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

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
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
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
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
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
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
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

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	1826	1.16	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	138	1.43	1.29	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	94	1.09	1.15	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	8	0.88	1.36	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	28	1.36	1.31	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
S9HERTR3	0	.	.	.	.
S10HERTR3	1	0.00	.	0.0	0.0
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	144	1.40	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	1287	1.15	1.24	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	8	0.88	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	65	1.03	1.12	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
R9HERTS3	0	.	.	.	.
R10HERTS3	1	0.00	.	0.0	0.0
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	20	1.15	1.18	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	1861	1.66	1.18	0.0	3.0
R10HERET	1428	1.58	1.20	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	1255	1.82	1.10	0.0	3.0
S10HERET	923	1.76	1.13	0.0	3.0

Categorical Variable Codes

Value-----	R1HERTR1	R2HERTR1	R3HERTR1	R4HERTR1	R5HERTR1	R6HERTR1	R7HERTR1	R8HERTR1	R9HERTR1	R10HERTR1
.A=Age is 65 or older			427	2246	2321	2583	2497	2394	2206	1939
.D=Don't know	917	741	212	282	317	255	284	277	174	115
.H=Source missing, question	96	93	475	697	110	197	188	149	161	264
.M=Missing	841	938	471	130	13	214	269	196	133	107
.N=No respondent employer-p	3952	3429	5731	13378	9593	9041	10003	9740	9780	9249
.Q=Not asked this wave		8222	7027							
.R=Refused	34	26	2	1		2		1		1
.S=Skip, Question not asked				426	3488	2872	3186	2858	2403	1871
0=not covrd in ret	1120	993	1306	1572	1352	1003	1501	1119	953	792
1=covrd just to age 65					879	748	909	660	589	450
2=covrd to age 65, DK over			2340	2652	272	204	232	207	157	87
3=covrd to and over age 65					1234	1046	1059	869	661	497
4=covers retirees (W1&2)	5692	5200								
Value-----	S1HERTR1	S2HERTR1			S5HERTR1	S6HERTR1	S7HERTR1	S8HERTR1	S9HERTR1	S10HERTR1
.A=Age is 65 or older					1571	1341	1311	1628	1472	1278
.D=Don't know	360	467			66	214	234	55	40	14
.H=Source missing, question	18	20			45	88	65	56	70	88
.M=Missing	1102	1124			1894	638	711	2045	1600	1218
.N=No respondent employer-p	5713	2252			5196	4813	5461	5374	5310	5013
.Q=Not asked this wave		4549								
.R=Refused	25	27				2	4			
.S=Skip, Question not asked					2919	2457	2720	2333	1951	1487
.U=Unmar	2373	6003			6538	6313	6781	6420	6212	5705
.V=Sp NR		384			311	220	380	317	365	431
0=not covrd in ret	342	602			112	984	1390	89	66	48
1=covrd just to age 65					298	320	361	53	46	32
2=covrd to age 65, DK over					77	94	87	16	12	9
3=covrd to and over age 65					552	681	624	83	73	49
4=covers retirees (W1&2)	2719	4214								
Value-----	R1HERTR2	R2HERTR2	R3HERTR2			R6HERTR2	R7HERTR2	R8HERTR2	R9HERTR2	R10HERTR2
.A=Age is 65 or older			21			124	136	118	109	105
.D=Don't know	91	9	15			14	22	19	16	4
.H=Source missing, question	9	14	110			132	126	107	122	194
.M=Missing	189	54	34			8	16	9	10	12
.N=No respondent employer-p	6440	3381	4170			5845	6868	7029	7299	7001
.P=Only one plan carried fr		6615								
.Q=Not asked this wave		8222	7027							
.R=Refused	3	1	2							
.S=Skip, Question not asked						231	295	195	136	129
.X=No more plans	5371	1278	6416			11674	12465	10850	9419	7833
0=not covrd in ret	70	17	83			41	74	61	48	37
1=covrd just to age 65						42	54	38	25	33
2=covrd to age 65, DK over			113			13	14	11	6	3
3=covrd to and over age 65						41	59	32	27	21
4=covers retirees (W1&2)	479	51								
Value-----	S1HERTR2	S2HERTR2				S6HERTR2	S7HERTR2	S8HERTR2	S9HERTR2	S10HERTR2
.A=Age is 65 or older						64	76	80	77	79
.D=Don't know	39	15				10	20	7	4	
.H=Source missing, question	1	8				60	52	50	54	67
.M=Missing	138	21				34	39	120	99	62
.N=No respondent employer-p	5713	2215				3037	3625	3756	3827	3691
.P=Only one plan carried fr		5393								
.Q=Not asked this wave		4549								
.R=Refused	3									
.S=Skip, Question not asked						217	271	177	116	103
.U=Unmar	2373	5971				6313	6781	6420	6212	5705
.V=Sp NR		384				220	380	317	365	431
.X=No more plans	4102	1030				8111	8740	7533	6454	5226
0=not covrd in ret	38	13				48	89	2	4	5
1=covrd just to age 65						19	24	3	1	1
2=covrd to age 65, DK over						8	4	2	2	
3=covrd to and over age 65						24	28	2	2	2
4=covers retirees (W1&2)	245	43								
Value-----						R6HERTR3	R7HERTR3	R8HERTR3	R9HERTR3	R10HERTR3
.A=Age is 65 or older						10	13	8	12	9

.D=Don't know			3	5	4	4
.H=Source missing, question	129	123	98	123	193	
.M=Missing		4	1	1	3	
.N=No respondent employer-p	5644	6631	6873	7137	6870	
.S=Skip, Question not asked	12	14	10	4	11	
.X=No more plans	12351	13307	11448	9914	8254	
0=not covrd in ret	10	17	17	12	10	
1=covrd just to age 65	3	12	5	7	8	
2=covrd to age 65, DK over	3	1	1	1		
3=covrd to and over age 65	3	4	3	2	10	

Value-----	S6HERTR3	S7HERTR3	S8HERTR3	S9HERTR3	S10HERTR3
.A=Age is 65 or older	5	4	6	10	10
.D=Don't know	1	2	1		
.H=Source missing, question	59	50	43	54	68
.M=Missing	3	9	25	20	17
.N=No respondent employer-p	2908	3486	3653	3723	3621
.S=Skip, Question not asked	11	14	10	2	11
.U=Unmar	6313	6781	6420	6212	5705
.V=Sp NR	220	380	317	365	431
.X=No more plans	8633	9380	7993	6831	5508
0=not covrd in ret	8	17	1		1
1=covrd just to age 65	1	3			
3=covrd to and over age 65	3	3			

Value-----	R1HERTS1	R2HERTS1	R5HERTS1	R6HERTS1	R7HERTS1	R8HERTS1	R9HERTS1	R10HERTS1
.A=Age is 65 or older			1605	1368	1355	1674	1512	1330
.D=Don't know	554	489	68	220	244	55	42	15
.H=Source missing, question	17	23	53	93	74	62	72	101
.M=Missing	1402	1194	1954	665	752	2109	1667	1299
.N=No respondent employer-p	2822	2358	5314	4906	5605	5534	5511	5239
.Q=Not asked this wave		8222						
.R=Refused	37	28		2	4			
.S=Skip, Question not asked			2981	2494	2789	2373	2002	1544
.U=Unmar	2373	2332	6538	6306	6777	6417	6205	5700
0=not covrd in ret	658	629	115	996	1420	91	68	51
1=covrd just to age 65			305	328	374	53	49	33
2=covrd to age 65, DK over			80	99	94	16	13	11
3=covrd to and over age 65			566	688	641	85	76	49
4=covers retirees (W1&2)	4789	4367						

Value-----	S1HERTS1	S2HERTS1	S3HERTS1	S4HERTS1	S5HERTS1	S6HERTS1	S7HERTS1	S8HERTS1	S9HERTS1	S10HERTS1
.A=Age is 65 or older			376	1504	1528	1675	1607	1502	1365	1209
.D=Don't know	474	555	149	208	232	193	201	221	123	77
.H=Source missing, question	18	21	376	530	45	88	65	56	70	88
.M=Missing	420	817	361	98	9	173	213	161	104	79
.N=No respondent employer-p	5713	2252	4332	8174	5196	4819	5465	5376	5313	5017
.Q=Not asked this wave		4549	3704							
.R=Refused	20	21	2	1	2					
.S=Skip, Question not asked				328	2908	2452	2717	2334	1951	1484
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		384	323	537	311	220	380	317	365	431
0=not covrd in ret	654	729	959	1153	994	746	1108	811	692	561
1=covrd just to age 65					661	547	670	497	443	319
2=covrd to age 65, DK over			1751	1982	195	139	145	145	121	62
3=covrd to and over age 65					962	805	781	632	464	345
4=covers retirees (W1&2)	2980	4344								

Value-----	R1HERTS2	R2HERTS2	R6HERTS2	R7HERTS2	R8HERTS2	R9HERTS2	R10HERTS2
.A=Age is 65 or older			64	77	83	78	82
.D=Don't know	65	17	10	22	7	4	
.H=Source missing, question	1	10	65	60	54	56	77
.M=Missing	201	44	35	40	121	101	65
.N=No respondent employer-p	5310	2315	3108	3732	3871	3979	3847
.P=Only one plan carried fr		5576					
.Q=Not asked this wave		8222					
.R=Refused	4						
.S=Skip, Question not asked			220	277	178	121	108
.U=Unmar	2373	2285	6306	6777	6417	6205	5700
.X=No more plans	4205	1107	8258	8997	7729	6664	5485
0=not covrd in ret	51	15	48	91	2	4	5
1=covrd just to age 65			19	24	3	1	1
2=covrd to age 65, DK over			8	4	2	2	
3=covrd to and over age 65			24	28	2	2	2
4=covers retirees (W1&2)	442	51					

Value-----	S1HERTS2	S2HERTS2	S3HERTS2	S6HERTS2	S7HERTS2	S8HERTS2	S9HERTS2	S10HERTS2
.A=Age is 65 or older			19	86	95	79	80	71
.D=Don't know	35	7	10	11	18	18	16	3
.H=Source missing, question	1	8	58	60	52	50	54	67
.M=Missing	164	30	25	6	13	7	8	10
.N=No respondent employer-p	5713	2215	2887	3043	3629	3758	3830	3694
.P=Only one plan carried fr		5394						
.Q=Not asked this wave		4549	3704					
.R=Refused	2	1	1					
.S=Skip, Question not asked				217	271	176	115	103
.U=Unmar	2373	5970	5658	6306	6777	6417	6206	5700
.V=Sp NR		384	323	220	380	317	365	431
.X=No more plans	4102	1030	5156	8112	8740	7534	6457	5228
0=not covrd in ret	23	12	65	28	61	53	39	26
1=covrd just to age 65				32	44	29	20	24
2=covrd to age 65, DK over			85	10	8	9	5	2
3=covrd to and over age 65				34	41	22	22	13
4=covers retirees (W1&2)	239	42						

Value-----	R6HERTS3	R7HERTS3	R8HERTS3	R9HERTS3	R10HERTS3
.A=Age is 65 or older	5	4	6	11	10
.D=Don't know	1	2	1		
.H=Source missing, question	64	58	47	56	78
.M=Missing	3	9	25	20	17
.N=No respondent employer-p	2977	3586	3765	3872	3774
.S=Skip, Question not asked	11	14	10	2	11
.U=Unmar	6306	6777	6417	6205	5700
.X=No more plans	8786	9656	8197	7051	5781
0=not covrd in ret	8	17	1		1
1=covrd just to age 65	1	3			
3=covrd to and over age 65	3	3			

Value-----	S6HERTS3	S7HERTS3	S8HERTS3	S9HERTS3	S10HERTS3
.A=Age is 65 or older	7	9	4	8	4
.D=Don't know		2	5	4	3
.H=Source missing, question	59	50	43	54	68
.M=Missing		3	1	1	1
.N=No respondent employer-p	2914	3490	3655	3726	3624
.S=Skip, Question not asked	11	14	10	2	11
.U=Unmar	6306	6777	6417	6206	5700
.V=Sp NR	220	380	317	365	431
.X=No more plans	8634	9380	7994	6834	5510
0=not covrd in ret	9	12	14	10	7
1=covrd just to age 65	1	8	5	4	8
2=covrd to age 65, DK over	1	1	1	1	
3=covrd to and over age 65	3	3	3	2	5

Value-----	R1HERET	R2HERET	R3HERET	R4HERET	R5HERET	R6HERET	R7HERET	R8HERET	R9HERET	R10HERET
.A=Age is 65 or older			437	2246	1783	1781	1705	1927	1816	1660
.D=Don't know	782	584	215	282	115	152	163	119	94	59
.H=Source missing, question	93	78	483	697	93	223	212	161	179	294
.M=Missing	1246	1228	475	130	3241	2710	2892	3819	3187	2551
.N=No respondent employer-p	3504	2916	5671	13378	8709	8079	8887	8647	8703	8189
.P=Only one plan carried fr		87								
.Q=Not asked this wave		8222	7027							
.R=Refused	31	24	2	1			2			1
.S=Skip, Question not asked				426	1872	1616	2119	1354	1154	940
.V=Sp NR		141			140	99	175	190	223	250
0=not covrd in ret	865	730	1299	1572	473	590	826	409	370	322
1=covrd just to age 65					1103	1001	1201	706	613	480
2=covrd to age 65, DK over			2382	2652	335	273	313	214	161	95
3=covrd to and over age 65					1715	1641	1634	923	717	531
4=covers retirees (W1&2)	6131	5632								

Value-----	S1HERET	S2HERET	S3HERET	S4HERET	S5HERET	S6HERET	S7HERET	S8HERET	S9HERET	S10HERET
.A=Age is 65 or older			386	1504	1034	900	861	1075	1015	984
.D=Don't know	581	427	151	208	40	97	91	66	47	27
.H=Source missing, question	14	17	383	530	36	117	94	72	89	128
.M=Missing	1239	1175	365	98	3281	2682	2859	3841	3218	2585
.N=No respondent employer-p	2374	1846	4275	8174	4430	3964	4509	4450	4442	4193
.P=Only one plan carried fr		75								
.Q=Not asked this wave		4549	3704							
.R=Refused	28	21	2	1			1			
.S=Skip, Question not asked				328	1352	1231	1721	872	750	609
.U=Unmar	2373	5958	5658	6869	6538	6306	6777	6417	6205	5700
.V=Sp NR		128	323	537	121	99	168	158	196	223

0=not covrd in ret	632	518	957	1153	137	346	476	141	141	126
1=covrd just to age 65					892	805	975	540	468	347
2=covrd to age 65, DK over			1787	1982	261	213	229	154	125	72
3=covrd to and over age 65					1457	1405	1368	683	521	378
4=covers retirees (W1&2)	5411	4928								

How Constructed:

RwHERTRx indicates whether the respondent's employer-provided health insurance covers R 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 respondent is covered by 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 R or Sp 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 R 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 Wave 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 R to report being covered after 65 if he is not covered up to 65.

If R is already 65 then RwHERTRx is set to .A - already 65, and if the plan(s) are not from R's current or previous employer, RwHERTRx is set to .N - No employer-provided insurance. In Wave 5, if R 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 Wave 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 R is the FinR, then S1HERTRx is the FinR spouse's information. But if R is the spouse of FinR, then S1HERTRx is FinR'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 R is not married,

SwHERTRx and SwHERTSx are set to .U=unmarried. If R'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 R, 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 SwHERTRx 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 SwHERTRx variables.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent (FinR), about FinR's insurance coverage and, if married, FinR'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 R was covered by any employer-provided health insurance in Wave 1, R 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 R is already 65, or if the employer-provided health plan is not from either R's current or previous employer (e.g., it is NOT asked if the plan source is a union, spouse's employer, or through R'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 R 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 Wave 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

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
 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
 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
Tracker:
AFINR 1992 WHETHER FINANCIAL RESPONDENT

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
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

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	17051	0.16	0.37	0.0	1.0
R10HIOTHP	15099	0.16	0.37	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	10572	0.16	0.36	0.0	1.0
S10HIOTHP	9147	0.16	0.37	0.0	1.0

Categorical Variable Codes

Value-----	R1HIOTHP	R2HIOTHP	R3HIOTHP	R4HIOTHP	R5HIOTHP	R6HIOTHP	R7HIOTHP	R8HIOTHP	R9HIOTHP	R10HIOTHP
.C=Cov,DK by whose emplyr			1172							
.D=DK/NA	25	63	291	59	80	134	152	122	130	204

.M=Missing answer	383	78	79	69	50	19	21	15	17	25
.R=RF		22	33	18	18	50	33	17	19	44
0=No	10643	11668	13587	16855	15359	14404	16350	15323	14291	12617
1=Yes	1601	7811	2829	4383	4072	3558	3573	2992	2760	2482
Value-----	S1HIOTHP	S2HIOTHP	S3HIOTHP	S4HIOTHP	S5HIOTHP	S6HIOTHP	S7HIOTHP	S8HIOTHP	S9HIOTHP	S10HIOTHP
.C=Cov,DK by whose emplryr			674							
.D=DK/NA	16	33	149	30	32	51	53	51	58	69
.M=Missing answer	399	23	23	16	11	8	3	3	4	3
.R=RF		14	14	11	10	33	21	9	12	22
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	407	516	296	220	380	317	365	431
0=No	8637	8120	9222	11180	10076	9527	10791	9869	8914	7691
1=Yes	1227	4898	1844	2762	2616	2020	2104	1803	1658	1456

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 R 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 R 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 R has Medicare and employer provided Medigap. The second is skipped if R is covered by any government or employer-provided insurance. In Wave 5 the third question is skipped if R is covered by Medicare, through self-employment, or if R 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 (FinR's) information appropriately. That is, if R is the FinR, then S1HIOTHP is the FinR spouse's information. But if R is the spouse of FinR, then S1HIOTHP is FinR'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 R reports that the spouse is covered by his/her other insurance, this information is applied if R is married or partnered and the spouse's self-report is missing. If R is not married, SwHIOTHP is set to .U=unmarried. If R'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 (FinR), about FinR's insurance coverage and, if married, FinR'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 asks: "What kind of coverage do you have?", and multiple answers may be given. 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 R 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 R 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 R 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 R reports any kind of coverage except long-term care, then RwhIOTHp is set to yes.

In Wave 3A, questions ask if R 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 R reports the coverage is from "OTHER ORGANIZATION", "Self; not through any organization" or "OTHER", then RwhIOTHp is set to yes.

In Wave 3H, Wave 4 and Wave 5, the questions are worded consistently. If R 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 R 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 R 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 R 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 R 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 R is currently working, the first question asks: "Do you obtain this health insurance through your (own business or professional organization/current employer)?" If R is not working, s/he is asked: "Do you obtain this health insurance through a former employer of yours?". If R 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 R 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 R 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 Wave 3H, Wave 4 and Wave 5, if R 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

HRS 1992:

V6632 R14:R1COV FRM INS CO:IMP
 V6633 R14aA:R1CO/ORG:BASC HLTH
 V6634 R14aB:R1CO/ORG:MEDIGAP
 V6635 R14aC:R1CO/ORG:SUPPLMNTL
 V6637 R14aE:R1CO/ORG:OTHER

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
 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
 Tracker:
 AFINR 1992 WHETHER FINANCIAL RESPONDENT

Covered by long-term care insurance
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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
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
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
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

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	15002	0.14	0.34	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	9065	0.15	0.36	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	0.71	1.0	7.0
R10TYLTC	1943	2.78	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	2.80	0.68	1.0	7.0
S10TYLTC	1282	2.80	0.69	1.0	7.0

Categorical Variable Codes

Value-----	R1HILTC	R2HILTC	R3HILTC	R4HILTC	R5HILTC	R6HILTC	R7HILTC	R8HILTC	R9HILTC	R10HILTC
.D=DK/NA	23	431	353	594	351	249	261	246	270	310
.M=Oth missing	383	78	88	72	49	15	20	16	17	32
.R=RF		25	16	22	15	21	14	14	13	28
0.no	12128	17840	15762	18765	17356	15918	17606	16039	14839	12944
1.yes	118	1268	1772	1931	1808	1962	2228	2154	2078	2058
Value-----	S1HILTC	S2HILTC	S3HILTC	S4HILTC	S5HILTC	S6HILTC	S7HILTC	S8HILTC	S9HILTC	S10HILTC
.D=DK/NA	14	202	243	384	231	150	166	149	146	152
.M=Oth missing	399	23	31	16	10	5	4	3	4	8
.R=RF		14	4	12	7	15	9	7	7	16
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		584	418	537	311	220	380	317	365	431
0.no	9776	12063	10362	12210	11149	10065	11183	10055	9034	7721
1.yes	90	786	1275	1356	1333	1404	1610	1521	1455	1344
Value-----	R2TYLTC	R3TYLTC	R4TYLTC	R5TYLTC	R6TYLTC	R7TYLTC	R8TYLTC	R9TYLTC	R10TYLTC	
.D=DK/NA	396	148	163	126	118	127	143	130	113	
.M=Missing		4								
.Q=Not asked this wave	11420									
.R=RF	3		1					1	2	
.S=Skip, no LTC	6754	16219	19453	17771	16203	17901	16315	15139	13314	
1=NURSING HOME CARE ONLY	355	318	340	252	253	248	247	208	207	
2=IN-HOME CARE ONLY	115	172	185	142	98	98	78	85	77	
3=BOTH	599	1073	1228	1280	1474	1734	1682	1644	1641	
7=OTHER		57	14	8	19	21	4	10	18	
Value-----	S2TYLTC	S3TYLTC	S4TYLTC	S5TYLTC	S6TYLTC	S7TYLTC	S8TYLTC	S9TYLTC	S10TYLTC	
.D=DK/NA	185	103	105	89	80	83	104	85	62	
.M=Missing		4								

.Q=Not asked this wave	9123								
.R=RF			1					1	
.S=Skip, no LTC	3531	10640	12622	11397	10235	11362	10214	9191	7897
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	200	418	537	311	220	380	317	365	431
1=NURSING HOME CARE ONLY	192	204	227	176	168	166	163	130	120
2=IN-HOME CARE ONLY	71	126	121	95	64	65	45	48	46
3=BOTH	370	793	891	968	1078	1282	1207	1183	1108
7=OTHER		45	11	5	14	14	2	8	8

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 R indicates that s/he is currently covered by long-term care insurance, then RwHILTC is set to yes (=1). If R 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 R 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 R 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 (FinR's) information appropriately. That is, if R is the FinR, then S1HILTC is the FinR spouse's information. But if R is the spouse of FinR, then S1HILTC is FinR's information.

From Wave 2 on, SwHILTC and SwTYLTC are taken from the spouse's self-reported RwHILTC and RwTYLTC variables, if available. If R is not married, SwHILTC and SwTYLTC are set to .U=unmarried. If R'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 (FinR), about FinR's insurance coverage and, if married, FinR'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 R 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

HRS 1992:
 V6632 R14:R1COV FRM INS CO:IMP
 V6636 R14aD:R1CO/ORG:LN-TRM CR

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
 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

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
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

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	15116	0.59	0.49	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	9130	0.64	0.48	0.0	1.0

Categorical Variable Codes

Value-----	R1LIFEIN	R2LIFEIN	R3LIFEIN	R4LIFEIN	R5LIFEIN	R6LIFEIN	R7LIFEIN	R8LIFEIN	R9LIFEIN	R10LIFEIN
.D=DK/NA	88	74	63	103	114	140	123	125	139	133
.M=Oth missing	95	125	86	72	49	18	36	22	23	41

.R=RF		68	40	58	71	92	83	82	80	82
0.no	3728	6418	5682	6496	6419	6066	6793	6490	6343	6128
1.yes	8741	12957	12120	14655	12926	11849	13094	11750	10632	8988
Value-----	S1LIFEIN	S2LIFEIN	S3LIFEIN	S4LIFEIN	S5LIFEIN	S6LIFEIN	S7LIFEIN	S8LIFEIN	S9LIFEIN	S10LIFEIN
.D=DK/NA	92	48	30	44	57	62	63	69	64	63
.M=Oth missing	95	79	30	16	10	6	12	5	5	5
.R=RF		35	15	28	39	46	49	39	39	43
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR		384	418	537	311	220	380	317	365	431
0.no	2840	3739	3204	3618	3602	3362	3787	3658	3464	3298
1.yes	7252	9387	8636	10272	9022	8163	9061	7964	7074	5832

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 R (and in waves 1 and 2A, the Financial R'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 (FinR's) information appropriately. That is, if R is the FinR, then SwLIFEIN is the FinR spouse's information. But if R is the spouse of FinR, then SwLIFEIN is FinR'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 R is not married, SwLIFEIN is set to .U=unmarried. If R'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 (FinR). Questions inquire about FinR's insurance coverage and, if married, FinR'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

HRS 1992:
V6701 R16:R1HAVE LIFE INSURANC

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

Tracker:
AFINR 1992 WHETHER FINANCIAL RESPONDENT
BFINR 1993 WHETHER FINANCIAL RESPONDENT

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

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	15369	2.17	1.17	0.0	14.0

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 coversheet 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 Coverscreen 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 Coverscreen 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 Coverscreen 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)
HHMEMADD	HOUSEHOLD MEMBER ADDED BY STAFF
MARSTATP	MARITAL STATUS CHILD/OTHR HHM
BSUBHH	1993 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER
HRS 1994:	
W8307	Moved out:Year
CSUBHH	1994 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER
AHEAD 1995:	
D13	HHMEM SP STATUS
D6	HHMEM STATUS W2
DHHID	1995 HOUSEHOLD IDENTIFIER
HRS 1996:	
E13	HHMEM S/P STATUS
E6	UPDATED HHMEM STATUS
EHHID	1996 HOUSEHOLD IDENTIFIER
HRS 1998:	
F14	HHMEM SP STATUS
F7	HHMEM STATUS
FHHID	1998 HOUSEHOLD IDENTIFIER

HRS 2000:
G14 HHMEM SP STATUS - UPDATED
G7 HHMEM STATUS - UPDATED
GHHID 2000 HOUSEHOLD IDENTIFIER
HRS 2002:
HX056_MC RESIDENCY STATUS-UPDATED
HHHID 2003 HOUSEHOLD IDENTIFIER
HRS 2004:
JX056_MC RESIDENCY STATUS-UPDATED
JHHID 2004 HOUSEHOLD IDENTIFIER
HRS 2006:
KX056_MC RESIDENCY STATUS-UPDATED
KHHID 2006 HOUSEHOLD IDENTIFIER
HRS 2008:
LX056_MC RESIDENCY STATUS-UPDATED
LHHID 2008 HOUSEHOLD IDENTIFIER
HRS 2010:
MHHID HRS 2010 HOUSEHOLD + SUBHH (Char)
MX056_MC RESIDENCY STATUS-UPDATED

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

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	17878	3.19	2.20	0.0	20.0
H4CHILD	21151	3.21	2.20	0.0	20.0
H5CHILD	19337	3.26	2.22	0.0	20.0
H6CHILD	17891	3.30	2.25	0.0	21.0
H7CHILD	19738	3.20	2.17	0.0	22.0
H8CHILD	18080	3.22	2.14	0.0	19.0
H9CHILD	16816	3.25	2.16	0.0	19.0
H10CHILD	15016	3.27	2.16	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:SUMMARY:#CHILD HOME
VNKIDS	HRS W1: # kids

AHEAD 1993:

B435	D20. # NON-RESIDENT CHILDREN
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
BSUBHH	1993 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER

HRS 1994:

W8003	Relationship to R
W8004	Child problem code
WVKIDS	HRS W2: # W2 kids
CSUBHH	1994 SUB-HOUSEHOLD IDENTIFIER
HHID	HOUSEHOLD IDENTIFIER

AHEAD 1995:

D10	HMEM REL TO IDFM
D11	HMEM REL TO IDNFM
D506	CS # RES CHLD|505U(1/20)=
D508	CS # NR KIDS|507U(1/20)=
D513	CS # CHILDREN|512U(1/20)=
D6	HMEM STATUS W2
D668	A9.# CHILDREN EVER
D669	A9A.FERTILITY LIVING
DHHID	1995 HOUSEHOLD IDENTIFIER

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	1996 HOUSEHOLD IDENTIFIER
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	1998 HOUSEHOLD IDENTIFIER
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 CHIL
G888	CS49Y12.CS # NR KIDS
G893	CS49Y16.CS # CHILDREN
GHHID	2000 HOUSEHOLD IDENTIFIER
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
HX056_MC	RESIDENCY STATUS-UPDATED
HX061_MC	RELATIONSHIP TO R-UPDATED
HX063_MC	RELATIONSHIP HHM TO SP - UPDATED
HHHID	2003 HOUSEHOLD IDENTIFIER
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
JX056_MC	RESIDENCY STATUS-UPDATED
JX061_MC	RELATIONSHIP TO R-UPDATED
JX063_MC	RELATIONSHIP HHM TO SP - UPDATED
JHHID	2004 HOUSEHOLD IDENTIFIER
HRS 2006:	
KA099	NUMBER OF RESIDENT CHILDREN
KA100	COUNT OF NONRESIDENT KIDS
KA101	COUNT OF KIDS - NOT THEIR SPOUSES
KB033	NUMBER CHILDREN EVER
KB034	NUMBER LIVING CHILDREN
KX056_MC	RESIDENCY STATUS-UPDATED
KX061_MC	RELATIONSHIP TO R-UPDATED
KX063_MC	RELATIONSHIP HHM TO SP - UPDATED
KHHID	2006 HOUSEHOLD IDENTIFIER
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
LX056_MC RESIDENCY STATUS-UPDATED
LX061_MC RELATIONSHIP TO R-UPDATED
LX063_MC RELATIONSHIP HHM TO SP - UPDATED
LHHID 2008 HOUSEHOLD IDENTIFIER
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 HRS 2010 HOUSEHOLD + SUBHH (Char)
MX056_MC RESIDENCY STATUS-UPDATED
MX061_MC RELATIONSHIP TO R-UPDATED
MX063_MC RELATIONSHIP HHM TO SP - UPDATED

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
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
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIVBRO	11938	1.45	1.49	0.0	13.0
R2LIVBRO	19247	1.21	1.39	0.0	12.0
R3LIVBRO	17948	1.19	1.38	0.0	13.0
R4LIVBRO	21201	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	20104	1.25	1.41	0.0	12.0
R8LIVBRO	18462	1.22	1.41	0.0	14.0
R9LIVBRO	17203	1.23	1.41	0.0	14.0
R10LIVBRO	15351	1.27	1.44	0.0	14.0
S1LIVBRO	9358	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	14241	1.23	1.40	0.0	13.0
S5LIVBRO	12964	1.27	1.40	0.0	12.0
S6LIVBRO	11785	1.26	1.41	0.0	14.0
S7LIVBRO	13226	1.30	1.42	0.0	12.0
S8LIVBRO	11930	1.28	1.42	0.0	14.0
S9LIVBRO	10868	1.28	1.42	0.0	12.0
S10LIVBRO	9462	1.29	1.44	0.0	14.0
R1LIVSIS	11938	1.58	1.60	0.0	11.0
R2LIVSIS	19233	1.42	1.51	0.0	11.0
R3LIVSIS	17945	1.39	1.49	0.0	11.0
R4LIVSIS	21151	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	20105	1.42	1.52	0.0	12.0
R8LIVSIS	18463	1.40	1.51	0.0	15.0
R9LIVSIS	17207	1.41	1.52	0.0	15.0
R10LIVSIS	15347	1.44	1.53	0.0	15.0
S1LIVSIS	9358	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	14175	1.39	1.51	0.0	14.0
S5LIVSIS	12967	1.42	1.50	0.0	11.0
S6LIVSIS	11793	1.42	1.52	0.0	14.0
S7LIVSIS	13228	1.43	1.52	0.0	12.0
S8LIVSIS	11938	1.43	1.51	0.0	14.0
S9LIVSIS	10869	1.41	1.53	0.0	15.0
S10LIVSIS	9466	1.42	1.52	0.0	15.0
R1LIVSIB	11937	3.02	2.52	0.0	19.0
R2LIVSIB	19192	2.63	2.37	0.0	17.0
R3LIVSIB	17934	2.58	2.35	0.0	17.0
R4LIVSIB	21110	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	20099	2.66	2.40	0.0	18.0
R8LIVSIB	18461	2.62	2.39	0.0	20.0
R9LIVSIB	17202	2.64	2.40	0.0	20.0
R10LIVSIB	15342	2.71	2.42	0.0	20.0
S1LIVSIB	9357	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	14117	2.64	2.37	0.0	18.0
S5LIVSIB	12950	2.69	2.35	0.0	20.0
S6LIVSIB	11778	2.68	2.38	0.0	21.0
S7LIVSIB	13211	2.73	2.39	0.0	18.0
S8LIVSIB	11917	2.71	2.37	0.0	19.0
S9LIVSIB	10848	2.70	2.41	0.0	20.0
S10LIVSIB	9441	2.71	2.41	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 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 R 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

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
E1627_1 D81.# SISTERS
E1627_2 D81.# SISTERS-IN-LAW
E1631_1 D82.# BROTHERS
E1631_2 D82.# BROTHERS-IN-LAW
E93 UPDATED SIB STATUS
EPHHIDPN HRS W3: Spouse HHIDPN
EPN_FAM 1996 FAMILY RESP PERSON NUMBER
EPN_NFAM 1996 NON-FAMILY RESP PERSON NUMBER
EHHID 1996 HOUSEHOLD IDENTIFIER

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
FPN_FAM 1998 FAMILY RESP PERSON NUMBER
FPN_NFAM 1998 NON-FAMILY RESP PERSON NUMBER
FHHID 1998 HOUSEHOLD IDENTIFIER

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
G2388 D130D-2.# BROTHERS-IN-LAW
G658 CS15Y63.SAME SPOUSE AS LAST WAVE
GPN_FAM 2000 FAMILY RESP PERSON NUMBER
GPN_NFAM 2000 NON-FAMILY RESP PERSON NUMBER
GHHID 2000 HOUSEHOLD IDENTIFIER

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
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
JFAMR 2004 WHETHER FAMILY RESPONDENT
JHHID 2004 HOUSEHOLD IDENTIFIER

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
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
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

Number of living parents

Wave	Variable	Label	Type
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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	15004	0.21	0.49	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	12266	0.38	0.63	0.0	2.0
S8LIVPAR	10982	0.34	0.60	0.0	2.0
S9LIVPAR	9911	0.30	0.57	0.0	2.0
S10LIVPAR	8409	0.26	0.53	0.0	2.0

How Constructed:

RwLIVPAR and SwLIVPAR provide the numbers of living parents for the respondent and spouse. It is derived by summing the RwMOMLIV and RwDADLIV variables described in "Section A. Demographics,

Parent Mortality" of this document. If either RwmOMLIV or RwdADLIV is missing then RwlIVPAR is missing. Mother and father age are also in Section A of this document.

In Waves 1, 2, 3H, 4, and 5, the family data on parents are provided from one respondent (Family Respondent). These counts are carried over to the non-Family respondent with the appropriate swapping of relationships.

In Waves 2A, 3A, and wave 6 forward, each respondent is asked whether their mother and father are living. In couple households, the spouse's responses are carried over to the respondent to derive SwMOMLIV and SwDADLIV.

RwlIVPAR counts a respondent's own living parents and SwLIVPAR counts a respondent's living parents-in-law.

Cross Wave Differences in Original HRS Data

Information about parent mortality and age is reported in the Family Section at each interview. Except in Waves 2A and 3A, and from Wave 6 forward, the designated Family Respondent answers all questions about parents and parents-in-law in a couple household.

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 R's mother, father, mother-in-law, and father-in-law. The process takes into account whether R 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 R's Family Respondent status.

In Wave 1 the question is: "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 R 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

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

AHEAD 1993:

B565	D60. MOTHER LIVING
B576	D62. FATHER LIVING
BPHHIDPN	AHD W1: Spouse HHIDPN

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
 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
 D1621 D92.FATHER LIVING
 DPHHIDPN AHD95 Spouse HHIDPN
 HRS 1996:
 E1557_1 D90.MOTHER LIVING
 E1557_2 D90.MOTHER-IN-LAW LIVING
 E1557_2A D90.MOTHER-IN-LAW LIVING-CORRECTED
 E1566_1 D93.FATHER LIVING
 E1566_2 D93.FATHER-IN-LAW LIVING
 E1566_2A D93.FATHER-IN-LAW LIVING-CORRECTED
 HRS 1998:
 F1906 D90.MOTHER LIVING
 F1916 D93.FATHER LIVING
 F2068 D90-2.MOTHER-IN-LAW LIVING
 F2078 D93-2.FATHER-IN-LAW LIVING
 HRS 2000:
 G2122 D90.MOTHER LIVING
 G2132 D93.FATHER LIVING
 G2309 D90-2.MOTHER-IN-LAW LIVING
 G2319 D93-2.FATHER-IN-LAW LIVING
 HRS 2002:
 HF001 MOTHER ALIVE
 HF011 FATHER ALIVE
 HPHHIDPN HRS 02: HHIDPN of spouse/partner
 HRS 2004:
 JF001 MOTHER ALIVE
 JF011 FATHER ALIVE
 JPHHIDPN HRS 04: HHIDPN of spouse/partner
 HRS 2006:
 KF001 MOTHER ALIVE
 KF011 FATHER ALIVE
 KPHHIDPN HRS 06: HHIDPN of spouse/partner
 HRS 2008:
 LF001 MOTHER ALIVE
 LF011 FATHER ALIVE
 LPHHIDPN HRS 06: HHIDPN of spouse/partner
 HRS 2010:
 MF001 MOTHER ALIVE
 MF011 FATHER ALIVE
 MPHHIDPN HRS 10: HHIDPN of spouse/partner
 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
 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

Number of children ever born

Wave	Variable	Label	Type
1	RAEVBRN	RAEVBRN: Number of Children Ever Born	Categ
1	S1EVBRN	S1EVBRN: Number of Children Ever Born	Categ
2	S2EVBRN	S2EVBRN: Number of Children Ever Born	Categ
3	S3EVBRN	S3EVBRN: Number of Children Ever Born	Categ
4	S4EVBRN	S4EVBRN: Number of Children Ever Born	Categ
5	S5EVBRN	S5EVBRN: Number of Children Ever Born	Categ
6	S6EVBRN	S6EVBRN: Number of Children Ever Born	Categ
7	S7EVBRN	S7EVBRN: Number of Children Ever Born	Categ
8	S8EVBRN	S8EVBRN: Number of Children Ever Born	Categ
9	S9EVBRN	S9EVBRN: Number of Children Ever Born	Categ
10	S10EVBRN	S10EVBRN: Number of Children Ever Born	Categ
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEVBRN	29031	2.79	2.12	0.0	35.0
S1EVBRN	9093	3.04	2.00	0.0	35.0
S2EVBRN	12908	2.94	2.04	0.0	35.0
S3EVBRN	12114	2.93	2.00	0.0	20.0
S4EVBRN	14216	2.89	1.96	0.0	20.0
S5EVBRN	12838	2.91	1.94	0.0	20.0
S6EVBRN	11669	2.91	1.93	0.0	20.0
S7EVBRN	13118	2.80	1.86	0.0	20.0
S8EVBRN	11875	2.77	1.82	0.0	20.0
S9EVBRN	10844	2.75	1.81	0.0	20.0
S10EVBRN	9353	2.72	1.77	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	4748	0.07	0.29	0.0	3.0

Categorical Variable Codes

Value-----	RAEVBRN										
.D=Don't Know	6										
.R=Refused	8										
0	3425										
1	3590										
2	7865										
3	6027										
4	3613										
5	1913										
6	1093										
7	574										
8	354										
9	200										
10	143										
11	76										
12	45										
13	44										
14	32										
15	9										
16	13										
17	4										
18	4										
19	1										
20	3										
22	1										
30	1										
35	1										
Value-----	S1EVBRN	S2EVBRN	S3EVBRN	S4EVBRN	S5EVBRN	S6EVBRN	S7EVBRN	S8EVBRN	S9EVBRN	S10EVBRN	
.D=Don't Know				2	3	3	3	4	4	4	2
.M=Missing	1039	512	6	102	88	92	58	42	4	143	
.R=Refused	2	2	1	2	2	4	4	4	5	3	
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	145	250	212	193	110	91	169	127	154	171	
0	680	1152	1056	1210	1051	943	1120	1033	956	818	
1	853	1412	1309	1554	1356	1196	1421	1291	1202	1038	
2	2461	3469	3285	4024	3635	3311	3966	3631	3312	2934	
3	2158	2963	2821	3268	2999	2766	3056	2779	2524	2170	
4	1375	1788	1693	1947	1816	1648	1749	1558	1422	1191	
5	685	933	854	997	889	823	834	752	685	590	
6	401	543	510	575	518	470	485	413	381	319	
7	216	270	247	268	249	224	205	180	157	130	
8	108	155	143	150	137	118	127	113	100	83	
9	62	82	72	76	64	58	48	40	33	26	
10	44	48	46	62	52	47	48	40	34	28	
11	16	29	24	25	20	17	18	14	11	7	
12	12	13	12	13	12	10	9	8	7	6	
13	9	20	17	22	19	14	11	11	9	4	
14	5	15	12	14	9	12	10	9	7	5	
15	2	6	4	2	4	4	2		2	2	
16		2	2	1	1	1	2				
17		2	2	2	3	3	3				
18	3	3	3	4	3	3	2	2			
19							1		1	1	
20	2	2	2	2	1	1	1	1	1	1	
35	1	1									
Value-----	RAEVBRNF										
.S No Children reported in	9779										
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	S8EVBRNF	S9EVBRNF	S10EVBRNF	
.M=Missing	1041	514	6	106	93	99	63	50	13	148	
.S No Children reported in	360	270	184	3850	3704	3600	5876	5505	5183	4605	
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	145	250	213	193	110	91	171	127	154	171	

0.One Response	8640	8828	8389	7678	7078	6555	6118	5580	5113	4435
1.Children reported in 1993	77	3534	3287	2512	1927	1422	1061	747	514	294
2.More Children reported in	10	156	141	99	70	47	36	25	18	7
3.More Children reported in	6	120	113	77	59	45	27	18	16	12

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 R reports in Ahead 93 matches the number of children they report in Ahead 95. If RAEVBRNF = 2 then R reported having more children in Ahead 1993. If RAEVBRNF = 3 then R reported having more children in Ahead 1995. And finally, if RAEVBRNF = .S then R 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:	
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

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
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

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	14934	1.00	0.76	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	8902	0.96	0.78	0.0	3.0

Categorical Variable Codes

Value	R1SAYRET	R2SAYRET	R3SAYRET	R4SAYRET	R5SAYRET	R6SAYRET	R7SAYRET	R8SAYRET	R9SAYRET	R10SAYRET
.A:may be completely retire			3213							
.D:DK		6	5	8	14	17	22	25	13	30

.M:other missing	15	53	38	153	219	13	10	12	17	
.Q:Not asked this wv	8222									
.R:Refuse	2	3	8	6	5	11	2	4	15	
.S:Skip, proxy	633	725	1315	610	849	2036	864	516	446	376
0.not ret	8142	6593	5509	6527	5362	4344	6138	5103	4444	3528
1.completely retired	1804	2215	4599	7292	7375	7049	8654	8712	8501	8666
2.partly retired	813	1024	1597	1887	1797	1708	2052	1905	1897	1935
3.question irrelevant	1260	840	1697	5014	4023	2787	2375	2196	1900	805
Value-----	S1SAYRET	S2SAYRET	S3SAYRET	S4SAYRET	S5SAYRET	S6SAYRET	S7SAYRET	S8SAYRET	S9SAYRET	S10SAYRET
.A:may be completely retire			1307							
.D:DK		3	3	5	11	8	14	10	5	16
.M:other missing		2	14	4	25	73	2	2	3	4
.Q:Not asked this wv	4549									
.R:Refuse		1		1	2	3	7	1		9
.S:Skip, proxy	603	665	829	584	569	1359	765	471	375	310
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	418	537	311	220	380	317	365	431
0.not ret	6254	5009	4089	4743	3913	3135	4378	3695	3153	2442
1.completely retired	1427	1690	3285	4410	4608	4248	5083	5083	4803	4780
2.partly retired	671	790	1196	1366	1284	1209	1435	1286	1290	1237
3.question irrelevant	945	579	1192	2865	2318	1604	1288	1187	1017	443

How Constructed:

There are at least 2 places in every wave where R 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 R is working, and after questions about the search for work if R 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

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

Whether retired: 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
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

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	15347	0.65	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	9237	0.62	0.63	0.0	2.0

Categorical Variable Codes

Value-----	R1RETEMP	R2RETEMP	R3RETEMP	R4RETEMP	R5RETEMP	R6RETEMP	R7RETEMP	R8RETEMP	R9RETEMP	R10RETEMP
.M:other missing	40	18	64	55	34	24	20	17	25	25
.Q:Not asked this wv			8222							

0.No retire empstat	11032	9309	9842	11769	10572	9208	11070	9408	8116	6695
1.Only retire empstat	1177	1636	6632	7848	7452	7771	7934	7833	7825	7372
2.Retire plus other empstat	403	457	1453	1712	1521	1162	1105	1211	1251	1280
Value-----	S1RETEMP	S2RETEMP	S3RETEMP	S4RETEMP	S5RETEMP	S6RETEMP	S7RETEMP	S8RETEMP	S9RETEMP	S10RETEMP
.M:other missing	24	5	20	13	7	11	5	4	10	4
.Q:Not asked this wv		4549								
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	418	537	311	220	380	317	365	431
0.No retire empstat	8515	7006	6865	8145	7170	6123	7474	6301	5331	4243
1.Only retire empstat	1009	1360	4058	4701	4576	4750	4764	4666	4543	4224
2.Retire plus other empstat	352	368	972	1119	977	755	729	764	762	770

How Constructed:

There are at least 2 places in every wave where R could report being retired. See also "Whether retired, Consider self retired" (RwSAYRET).

RwRETEMP is derived from employment status. R can report a retired status alone or in addition to other statuses, such as working, disabled, or unemployed. RwRETEMP is set to 1 if R only reports a retired status, or 2 if R 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) under Employment.

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

Whether retired: Retirement Month and Year, If Says Retired
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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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETMON	2227	6.43	3.38	1.0	12.0
R2RETMON	3759	6.03	3.54	1.0	12.0
R3RETMON	4059	6.15	3.52	1.0	12.0
R4RETMON	7427	5.89	3.52	1.0	12.0
R5RETMON	7740	5.79	3.53	1.0	12.0
R6RETMON	7431	5.99	3.45	1.0	12.0
R7RETMON	7977	6.07	3.47	1.0	12.0

R8RETMON	7912	6.13	3.45	1.0	12.0
R9RETMON	7646	6.16	3.44	1.0	12.0
R10RETMON	7788	6.23	3.42	1.0	12.0
S1RETMON	1817	6.44	3.36	1.0	12.0
S2RETMON	2764	6.08	3.51	1.0	12.0
S3RETMON	3076	6.17	3.48	1.0	12.0
S4RETMON	4786	6.05	3.51	1.0	12.0
S5RETMON	5106	5.87	3.53	1.0	12.0
S6RETMON	4804	6.02	3.44	1.0	12.0
S7RETMON	5098	6.10	3.46	1.0	12.0
S8RETMON	4948	6.15	3.46	1.0	12.0
S9RETMON	4696	6.14	3.44	1.0	12.0
S10RETMON	4654	6.23	3.47	1.0	12.0
R1RETYR	2589	1986.69	5.84	1945.0	1993.0
R2RETYR	8532	1982.11	10.07	1920.0	1994.0
R3RETYR	8563	1984.25	9.82	1920.0	1996.0
R4RETYR	8899	1987.14	9.36	1932.0	1998.0
R5RETYR	8904	1989.04	9.09	1932.0	2000.0
R6RETYR	8525	1991.13	9.11	1936.0	2003.0
R7RETYR	9121	1992.86	9.27	1925.0	2004.0
R8RETYR	8990	1994.51	9.44	1936.0	2007.0
R9RETYR	8648	1996.02	9.67	1941.0	2008.0
R10RETYR	8634	1998.02	9.86	1941.0	2011.0
S1RETYR	2079	1986.87	5.68	1950.0	1993.0
S2RETYR	5452	1983.49	9.33	1927.0	1994.0
S3RETYR	5491	1985.75	8.97	1927.0	1996.0
S4RETYR	5675	1988.42	8.33	1935.0	1998.0
S5RETYR	5763	1990.28	8.04	1936.0	2000.0
S6RETYR	5370	1992.28	8.15	1943.0	2003.0
S7RETYR	5675	1994.00	8.30	1943.0	2004.0
S8RETYR	5489	1995.55	8.68	1941.0	2007.0
S9RETYR	5173	1997.13	8.83	1941.0	2008.0
S10RETYR	5029	1999.09	9.08	1941.0	2011.0

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 separate 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 RWRRETMON and RWRRETYR.

Note that a few additional retirement months and years that are missing in RWRRETMON and RWRRETYR 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.

If R says 'not retired' or skips the appropriate question then we assign SAS special missing code .N for 'not applicable'.

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 variable is provided that 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 R 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
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.RETIRED
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
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

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
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
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
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

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	1587	2002.69	4.23	1998.0	2030.0
R5RPLNYR	1263	2004.02	4.19	2000.0	2032.0
R6RPLNYR	970	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	2012.49	4.16	2008.0	2034.0

R10RPLNYR	730	2014.18	3.87	2010.0	2035.0
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	1185	2002.77	4.39	1998.0	2030.0
S5RPLNYR	958	2004.13	4.33	2000.0	2032.0
S6RPLNYR	730	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	2012.54	4.22	2008.0	2034.0
S10RPLNYR	515	2014.42	4.06	2010.0	2035.0
R1RPLNYA	6315	2000.60	5.51	1992.0	2049.0
R3RPLNYA	3089	2002.53	5.47	1995.0	2039.0
R4RPLNYA	3519	2004.92	5.84	1998.0	2041.0
R5RPLNYA	2885	2006.37	5.76	2000.0	2057.0
R6RPLNYA	2366	2008.27	5.76	2002.0	2048.0
R7RPLNYA	3229	2012.16	6.36	2004.0	2046.0
R8RPLNYA	2770	2013.51	6.17	2006.0	2047.0
R9RPLNYA	2508	2014.65	5.52	2008.0	2048.0
R10RPLNYA	2177	2016.71	5.64	2010.0	2054.0
S1RPLNYA	4932	2000.76	5.74	1992.0	2049.0
S3RPLNYA	2345	2002.56	5.52	1995.0	2039.0
S4RPLNYA	2640	2005.09	5.97	1998.0	2041.0
S5RPLNYA	2176	2006.57	5.88	2000.0	2046.0
S6RPLNYA	1735	2008.42	5.86	2002.0	2048.0
S7RPLNYA	2374	2012.33	6.49	2004.0	2046.0
S8RPLNYA	2067	2013.79	6.36	2006.0	2047.0
S9RPLNYA	1837	2014.78	5.58	2008.0	2048.0
S10RPLNYA	1543	2016.98	5.80	2010.0	2048.0

How Constructed:

There are 2 planned retirement year variables. RwrRPLNYR is derived from the variable which asks R about retirement plans. If R plans to stop work altogether then he/she is asked when, which is assigned to RwrRPLNYR. Most cases are missing this variable.

RwrRPLNYA is an alternate variable which combines RwrRPLNYR with a question which asks when R thinks he/she will stop work or retire. In Wave 1 this question follows a question on whether R considers him/herself completely retired, and asks when R thinks he/she will retire completely. From Wave 3H forward, if R 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 RwrRPLNYA. If R did not respond in this way but did respond that he/she plans to stop work altogether, then RwrRPLNYR is assigned to RwrRPLNYA. RwrRPLNYA also has many missing values, but fewer than RwrRPLNYR.

The alternate question used to derive RwrRPLNYA is not asked in Wave 2A or 2H, so R2RPLNYA is missing.

The years for both RwrRPLNYR and RwrRPLNYA can be given by age or specific year. In Wave 1 only age is given for when R plans to stop work altogether and only year for when R 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 R's birth year plus the age given.

If it is a proxy interview, these questions are not asked, and RwrRPLNYR and RwrRPLNYA are set to SAS special missing code .S for "skipped because proxy".

If R 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 R is not working, RWRPLNYR and RWRPLNYA are assigned SAS special missing code .W for "not working".

R can respond "Never" to the "when" questions. If R says "Never" or has no plan to stop work, RWRPLNYR is set to .N. If R 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 R 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 R plans to stop work altogether, R 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 R 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 R considers him/herself completely retired, and asks when R thinks he/she will retire completely. In Wave 2A there are no retirement questions asked and in 2H there is no question asking R 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

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
 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
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
MJ568 PLAN TO STOP WORKING-AGE
MJ569 PLAN TO STOP WORKING-YR
MJ570 THINK STOP WORKING-AGE
MJ571 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:other missing	210
.N:No retirement plans	1985
.S:Skip,proxy	611
.U=Unmar	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:other missing	188
.N:No retirement plans	1906
.S:Skip,proxy	610
.U=Unmar	2373
.V=Sp 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 R is completely retired, R1RETWSP is set to .A for already retired. It is set to .U if R is unmarried. If retirement is irrelevant, e.g., if R 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:other missing	116
.N:No retirement plans	1269
.S:Skip,proxy	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:other missing	67
.N:No retirement plans	974
.S:Skip,proxy	607
.U=Unmar	2373
.V=Sp 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:other missing	142
.N:No retirement plans	1269
.S:Skip,proxy	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:other missing	78
.N:No retirement plans	974
.S:Skip,proxy	609
.U=Unmar	2373
.V=Sp 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

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

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:other missing	71
.S:Skip,proxy	643
0.Stop work entirely	2733
1.Continue paid work	7443

Value-----	S1RETWRK
.D:DK	1342
.M:other missing	38
.S:Skip,proxy	612
.U=Unmar	2373
.V=Sp 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

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
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
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
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
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
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

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	4385	62.09	28.73	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	3041	63.16	27.57	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	12.56	57.6	100.0
R5LIV75P	19579	83.69	12.02	58.8	100.0
R6LIV75P	18165	85.42	11.22	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	87.59	10.47	62.4	100.0
R10LIV75P	15371	88.92	10.23	62.5	100.0
S1LIV75P	9900	69.27	7.22	54.2	100.0
S2LIV75P	13088	77.87	12.80	54.6	100.0
S3LIV75P	11915	79.36	12.51	55.7	100.0
S4LIV75P	13978	79.63	11.85	57.6	100.0
S5LIV75P	12730	81.08	11.40	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	10.41	62.4	100.0
S9LIV75P	10646	85.64	10.36	62.4	100.0
S10LIV75P	9240	87.07	10.27	62.5	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	0.86	0.37	0.0	1.6
R10LIV75R	4384	0.81	0.38	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	0.37	0.0	1.6
S10LIV75R	3040	0.83	0.36	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 requires the use of 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 2008 life table is not yet available, the 2006 table is used for Wave 9 and Wave 10. 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 R'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 R'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 R 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 R is older than age 65.

This question is not asked in Waves 2A and 3A.

HRS Variables Used

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

Self-reported probability of living to age 85
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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
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
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
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
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
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
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
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

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	13069	45.58	32.19	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	8173	46.63	31.02	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	14810	87.00	5.35	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	9149	86.26	4.78	80.0	100.0
R1LIV85P	12651	37.45	8.87	24.1	100.0
R2LIV85P	11419	37.87	8.35	24.4	100.0
R3LIV85P	10964	39.22	7.94	25.5	100.0
R4LIV85P	21384	49.64	18.17	26.9	100.0
S1LIV85P	9900	36.83	8.84	24.1	100.0
S2LIV85P	8739	37.17	8.34	24.4	100.0
S3LIV85P	8306	38.53	7.97	25.5	100.0
S4LIV85P	13978	45.13	14.34	26.9	100.0
R2LIV10P	7930	34.60	19.12	1.9	91.4
R3LIV10P	6803	38.59	19.39	2.6	100.0
R5LIV10P	19142	49.33	18.16	1.8	100.0
R6LIV10P	17603	49.94	18.67	3.5	100.0
R7LIV10P	19431	52.33	17.90	3.7	100.0
R8LIV10P	17948	43.53	17.54	2.8	100.0
R9LIV10P	16675	43.18	18.03	1.1	100.0
R10LIV10P	14809	42.16	17.95	2.8	74.9
S2LIV10P	4293	37.77	19.81	1.9	91.4
S3LIV10P	3552	41.65	19.80	2.6	100.0
S5LIV10P	12667	51.60	15.73	1.8	100.0
S6LIV10P	11500	52.23	16.34	3.5	100.0
S7LIV10P	12699	54.22	15.72	4.1	100.0
S8LIV10P	11658	44.51	15.91	2.8	100.0
S9LIV10P	10564	44.26	16.59	2.8	100.0
S10LIV10P	9148	43.29	16.81	2.8	74.9
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	1.80	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	1.26	0.0	24.3
R8LIV10R	15467	1.28	1.96	0.0	35.7
R9LIV10R	14450	1.43	2.24	0.0	35.7
R10LIV10R	13069	1.36	2.10	0.0	35.7
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	1.37	2.05	0.0	32.2
S10LIV10R	8173	1.31	1.91	0.0	35.7

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 requires the use of 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:

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 2008 life table is not yet available, the 2006 table is used for Wave 9 and Wave 10. 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 R'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 R 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 R is older than 75. In Wave 5, it is set to .A if skipped because R is older than 90. Note that in Wave 4, inappropriate skips (R 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 R 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 R will live about another 10 years. The question wording depends on R'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 R 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 R 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 R is older than age 75. In Wave 4, the documentation indicates that the question is skipped if R is older than age 75, but in the data it appears that the question is skipped if R is older than 65. In Wave 2A, 3A and 5, this question is skipped if R 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

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:
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

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	R8RISK
.A: 65+,not asked				9468		10380
.B:Skip, not selected		8631	15927			
.C:Cohort skipped		4984			15198	
.D:DK	109	304	144	360	96	297
.M:other missing	194	123	3	23	15	28
.R:Refuse		150	68	137	44	61
.S:Skip,proxy	642	2043	2062	2036	1802	1260
1.Least risk averse	1503	705	171	752	361	713
2.3rd most risk averse	1279	483	122	590	271	628
3.2nd most risk averse	1358	773	196	954	519	980
4.Most risk averse	7567	3188	886	3845	1823	4122

Value-----	S1RISK	S4RISK	S5RISK	S6RISK	S7RISK	S8RISK
.A: 65+,not asked				5368		5948
.B:Skip, not selected		6306	10358			
.C:Cohort skipped		2365			9616	
.D:DK	77	148	59	233	57	201
.M:other missing	126	76		13	3	17
.R:Refuse		77	38	86	23	43
.S:Skip,proxy	611	1407	1410	1359	1203	792
.U=Unmar	2373	6869	6538	6306	6777	6417
.V=Sp NR	379	537	311	220	380	317
1.Least risk averse	1128	475	106	564	242	497
2.3rd most risk averse	988	337	69	464	172	455
3.2nd most risk averse	1088	577	139	733	376	741
4.Most risk averse	5882	2210	551	2819	1280	3041

Value-----	R4RISK6	R5RISK6	R6RISK6	R7RISK6	R8RISK6
.A: 65+,not asked			9468		10380
.B:Skip, not selected	8631	15927			
.C:Cohort skipped	4984			15198	
.D:DK	335	160	406	113	325
.M:other missing	123	3	23	15	28
.R:Refuse	151	68	139	45	62
.S:Skip,proxy	2043	2062	2036	1802	1260
1.Least risk averse	323	71	363	157	283
2.2nd least risk averse	375	95	378	199	426
3.3rd least risk averse	483	122	590	271	628
4.3rd most risk averse	773	196	954	519	980
5.2nd most risk averse	863	239	1160	601	1349
6.Most risk averse	2300	636	2648	1209	2748

Value-----	S4RISK6	S5RISK6	S6RISK6	S7RISK6	S8RISK6
.A: 65+,not asked			5368		5948
.B:Skip, not selected	6306	10358			
.C:Cohort skipped	2365			9616	
.D:DK	165	65	265	68	222
.M:other missing	76		13	3	17
.R:Refuse	77	38	88	24	44
.S:Skip,proxy	1407	1410	1359	1203	792
.U=Unmar	6869	6538	6306	6777	6417
.V=Sp NR	537	311	220	380	317
1.Least risk averse	196	40	273	105	192
2.2nd least risk averse	275	66	284	133	303
3.3rd least risk averse	337	69	464	172	455
4.3rd most risk averse	577	139	733	376	741
5.2nd most risk averse	633	159	883	427	1029
6.Most risk averse	1564	386	1909	845	1992

How Constructed:

In these questions R 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 R says he/she would take the risk, the same scenario but with riskier odds is

presented. If R 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 R 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. R would take a job with even chances of doubling income or cutting it in half.
2. R would take a job with even chances of doubling income or cutting it by a third.
3. R would take a job with even chances of doubling income or cutting it 20%.
4. R 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: R would take a job with even chances of doubling income or cutting it by 75%.

4a. Between categories 3 and 4 above: R 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 R 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
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

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
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

Categorical Variable Codes

Value-----	R1FINPLN	R4FINPLN	R5FINPLN	R6FINPLN	R7FINPLN	R8FINPLN
.A: 65+,not asked				9468		
.B:Skip, not selected		8631	15927			
.C:Cohort skipped		4984				
.D:DK	147	272	108	260	1074	879
.M:other missing	238	123	3	23	80	18
.R:Refuse		76	28	55	169	107
.S:Skip,proxy	641	2043	2062	2036	1802	1260
1. Next few months	2187	902	254	989	3235	2821
2. Next year	1257	515	167	738	2416	2312
3. Next few years	3832	1301	378	1733	4808	4463
4. Next 5-10 years	3317	1803	487	2081	4746	4893
5. Longer than 10 years	1033	734	165	782	1799	1716

Value-----	S1FINPLN	S4FINPLN	S5FINPLN	S6FINPLN	S7FINPLN	S8FINPLN
.A: 65+,not asked				5368		
.B:Skip, not selected		6306	10358			
.C:Cohort skipped		2365				
.D:DK	90	162	42	161	489	425
.M:other missing	149	76	13	13	27	5
.R:Refuse		32	13	34	79	50
.S:Skip,proxy	610	1407	1410	1359	1203	792

.U=Unmar	2373	6869	6538	6306	6777	6417
.V=Sp NR	379	537	311	220	380	317
1. Next few months	1523	497	140	627	1741	1420
2. Next year	980	326	100	526	1488	1315
3. Next few years	3029	950	241	1329	3247	3019
4. Next 5-10 years	2688	1329	320	1616	3433	3501
5. Longer than 10 years	831	528	106	606	1265	1208

How Constructed:

RwFINPLN simply recodes missings from the HRS variable. It is set to .S if skipped because the interview is by proxy.

RwFINPLN is set to .S when the question is 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 R 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 Wave 6, this question is not asked if R is 65 or older. If skipped due to R's age, RwFINPLN is set to .A.

In Waves 7 and 8, the question is asked of all self-reporting respondents.

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 if person is 65 or older the questions are skipped. Otherwise, all other self-reporting respondents are asked this question.

In Waves 7 and 8, all respondents are asked this question.

In Wave 9 and forward, this question is not asked.

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

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, R'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.

Cross Wave Differences in Original HRS Data

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
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
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
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
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
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

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	13577	65.82	39.23	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	8296	71.40	35.93	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	13407	44.82	42.44	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	8197	51.05	41.58	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	7273	74.67	42.27	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	4228	82.77	36.72	0.0	100.0

Categorical Variable Codes

Value-----	R1BEQLRG
.D:DK	67
.M:other missing	95
.R:Refuse	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:Refuse	70
.U=Unmar	2373
.V=Sp 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 R 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, R is asked to give the probability that he/she will leave a bequest of more than \$10,000. If the probability is greater than zero, he/she is asked for the probability of leaving a bequest of more than \$100,000. In Wave 3H, and from Wave 4 forward an additional question is asked if R gives a zero probability to the first question. R is asked for the probability of leaving any bequest.

In Wave 2A and 3A R 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 R reports a 0 probability of leaving a \$10,000 bequest then RwBEQ100 is set to zero. If R 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 R 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, 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 R 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?

In Wave 8, 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. In Wave 8 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

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
 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

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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK62	7943	47.36	39.27	0.0	100.0
R2WORK62	7139	41.23	38.40	0.0	100.0
R3WORK62	4628	46.43	40.21	0.0	100.0
R4WORK62	5403	46.63	39.42	0.0	100.0
R5WORK62	4267	50.69	39.17	0.0	100.0
R6WORK62	3178	51.65	38.67	0.0	100.0
R7WORK62	4495	51.28	36.27	0.0	100.0
R8WORK62	5178	40.94	38.36	0.0	100.0
R9WORK62	3768	52.96	37.98	0.0	100.0
R10WORK62	2811	50.11	36.99	0.0	100.0
S1WORK62	6203	46.28	39.07	0.0	100.0
S2WORK62	5386	39.58	37.99	0.0	100.0
S3WORK62	3500	43.82	39.76	0.0	100.0
S4WORK62	4050	44.59	38.89	0.0	100.0
S5WORK62	3271	48.77	39.05	0.0	100.0
S6WORK62	2420	49.93	38.45	0.0	100.0
S7WORK62	3349	50.00	36.03	0.0	100.0
S8WORK62	3814	41.32	38.07	0.0	100.0
S9WORK62	2765	52.25	37.75	0.0	100.0
S10WORK62	2004	49.81	36.74	0.0	100.0

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.

HRS 1998:
F4589 H7. WORK AFTER 62

HRS 2000:
G5002 H7. WORK AFTER 62
G514 CS1A.PROXY/SELF INTERVIEW

HRS 2002:
HA009 PROXY/SELF INTERVIEW
HP017 LIKELIHOOD R WILL WORK AFTER AGE 62

HRS 2004:
JA009 PROXY/SELF INTERVIEW
JP017 LIKELIHOOD R WILL WORK AFTER AGE 62

HRS 2006:
KA009 PROXY/SELF INTERVIEW
KP017 LIKELIHOOD R WILL WORK AFTER AGE 62

HRS 2008:
LA009 PROXY/SELF INTERVIEW
LP017 LIKELIHOOD R WILL WORK AFTER AGE 62

HRS 2010:
MA009 PROXY/SELF INTERVIEW
MP017 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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK65	8133	26.57	34.13	0.0	100.0
R2WORK65	7302	22.14	31.23	0.0	100.0
R3WORK65	4673	26.08	33.90	0.0	100.0
R4WORK65	5418	26.30	33.54	0.0	100.0
R5WORK65	4348	29.57	34.16	0.0	100.0
R6WORK65	3233	29.99	33.75	0.0	100.0
R7WORK65	5269	34.09	34.73	0.0	100.0
R8WORK65	6631	25.45	33.44	0.0	100.0
R9WORK65	4561	35.42	35.42	0.0	100.0
R10WORK65	3675	33.95	34.80	0.0	100.0
S1WORK65	6397	25.49	33.44	0.0	100.0
S2WORK65	5498	21.06	30.45	0.0	100.0
S3WORK65	3526	23.97	32.60	0.0	100.0
S4WORK65	4059	24.91	32.61	0.0	100.0
S5WORK65	3328	27.91	33.30	0.0	100.0
S6WORK65	2460	28.47	32.87	0.0	100.0
S7WORK65	3891	32.80	34.21	0.0	100.0
S8WORK65	4855	25.09	32.86	0.0	100.0
S9WORK65	3339	34.59	34.81	0.0	100.0
S10WORK65	2606	33.53	34.47	0.0	100.0

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 R 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. Otherwise this variable simply recodes missing values. If the analyst needs to know the cases where R_{WORK65} is logically imputed using R_{WORK62}, s/he can simply check R_{WORK62} for a value of zero.

R_{WORK65} is set to .A if skipped because R is already age 65. It is set to .W if skipped because R is not working, and to .S if 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. 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.

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 R_{WORK65}.

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 R 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 R 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 R is working or not. From Wave 2H forward it is skipped if the interview is by proxy.

From Wave 2H forward, 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
HRS 1998:	
F4590	H8. WORK AFTER 65
HRS 2000:	
G5003	H8. WORK AFTER 65
G514	CS1A.PROXY/SELF INTERVIEW
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

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 R'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 R's health already limits his/her work then this variable is set to .A. It is set to .W if skipped because R 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 RWORKLM.

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 R 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

HRS 1992:	
V3210	F73:RATE:HLTH WILL LMT W
HRS 1994:	
W5806	CFA106.PROB HEALTH LIMIT
HRS 1996:	
E3798	H6. HEALTH LIMIT WORK
HRS 1998:	
F4591	H9. HEALTH LIMIT WORK
HRS 2000:	
G5004	H9. HEALTH LIMIT WORK
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
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

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	8931	15.76	22.75	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	5185	14.91	20.97	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 R 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 R 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

In Waves 4, 5 and 6, 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 age is 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 R is currently in nursing home, the interview is by proxy and if R 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

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
HZ076	R EVER INTERVIEWED
HRS 2004:	
JA019	R CURRENT AGE CALCULATION
JA028	R IN NURSING HOME
JP032	PERCENT CHANCE R WILL MOVE TO NH IN 5YR
JZ076	R EVER INTERVIEWED
HRS 2006:	
KA019	R CURRENT AGE CALCULATION
KA028	R IN NURSING HOME
KP032	PERCENT CHANCE R WILL MOVE TO NH IN 5YR
KZ076	R EVER INTERVIEWED
HRS 2008:	
LA019	R CURRENT AGE CALCULATION
LA028	R IN NURSING HOME
LP032	PERCENT CHANCE R WILL MOVE TO NH IN 5YR
LZ076	R EVER INTERVIEWED
HRS 2010:	
MA019	R CURRENT AGE CALCULATION
MA028	R IN NURSING HOME
MP032	PERCENT CHANCE R WILL MOVE TO NH IN 5YR
MZ076	R EVER INTERVIEWED

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
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

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	8326	1.57	0.66	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	4708	1.50	0.63	1.0	3.0

Categorical Variable Codes

Value-----	R1RETSAT	R2RETSAT	R3RETSAT	R4RETSAT	R5RETSAT	R6RETSAT	R7RETSAT	R8RETSAT	R9RETSAT	R10RETSAT
.D:DK	2	7	8	42	31	28	44	56	26	61
.I:Irrelevant	1257	839	4792	4320	3538	2787	2080	1958	1707	713

.M:other missing	2			9	48	24	163	113	127	122
.N:Not retired	8945	7638	6909	8421	7287	6293	8219	7039	6357	5494
.Q:Not asked this wave		8222								
.R:Refuse	13	1	3	5	4	5	5	6	5	5
.S:Skip, Proxy	646	728	1457	1348	1382	2036	1294	876	765	651
.X:Retired over 2 yrs ago			1932							
1. Very	783	1134	1626	4356	4415	4238	4571	4517	4414	4312
2. Moderately	641	739	950	2313	2342	2313	3016	3163	3166	3245
3. Not at all	363	334	314	570	532	441	737	741	650	769
Value-----	S1RETSAT	S2RETSAT	S3RETSAT	S4RETSAT	S5RETSAT	S6RETSAT	S7RETSAT	S8RETSAT	S9RETSAT	S10RETSAT
.D:DK	2	4	3	14	20	14	23	27	6	20
.I:Irrelevant	943	578	2411	2533	2058	1604	1198	1114	960	414
.M:other missing	1			5	33	11	41	34	39	39
.N:Not retired	6916	5803	5113	6076	5193	4428	5820	4990	4446	3688
.Q:Not asked this wave		4549								
.R:Refuse	6	1	1	1	1	2	1	2	1	3
.S:Skip, Proxy	614	668	941	957	874	1359	873	555	446	369
.U:Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V:Sp NR	379	384	418	537	311	220	380	317	365	431
.X:Retired over 2 yrs ago			1259							
1. Very	687	955	1323	2804	2923	2740	3001	2931	2795	2682
2. Moderately	513	545	687	1273	1326	1248	1628	1702	1651	1685
3. Not at all	218	185	177	315	302	233	387	380	302	341

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 R not retired. It is set to .I if the question is irrelevant because R 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 R 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 R is not married, SwRETSAT is set to .U=unmarried. If R'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 R 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

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
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

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	1826	2.50	1.45	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	1179	2.40	1.42	1.0	5.0

Categorical Variable Codes

Value	R1RYRCMP	R2RYRCMP	R3RYRCMP	R4RYRCMP	R5RYRCMP	R6RYRCMP	R7RYRCMP	R8RYRCMP	R9RYRCMP	R10RYRCMP
.D:DK	4	7	13	58	61	60	20	29	19	11
.I:Irrelevant	1257	839	4792	4320	3538	2787	2081	1958	1707	713

.M:other missing	2		2	9	48	24	56	109	124	133
.N:Not retired	8945	7638	6909	8421	7287	6293	8219	7039	6357	5494
.Q:Not asked this wave		8222								
.R:Refuse	13	1	5	5	5	8	4	2	1	3
.S:Skip, Proxy	646	728	1457	1348	1382	2036	1802	1260	1140	1176
.W:Not working prev 2 wvs							5620	5907	5981	5962
.X:Retired over 2 ago			1932							
.Y:Retired lt 1 yr ago	132	119	154	171	143	148	103	140	80	54
1. Better	649	972	1319	3326	3575	3223	1017	875	846	765
3. About same	486	601	870	2493	2368	2509	795	774	652	749
5. Not as good	518	515	538	1233	1172	1077	412	376	310	312
Value-----	S1RYRCMP	S2RYRCMP	S3RYRCMP	S4RYRCMP	S5RYRCMP	S6RYRCMP	S7RYRCMP	S8RYRCMP	S9RYRCMP	S10RYRCMP
.D:DK	4	3	6	26	24	29	10	14	10	5
.I:Irrelevant	943	578	2411	2533	2058	1604	1199	1114	960	414
.M:other missing	1			5	33	11	31	51	59	73
.N:Not retired	6916	5803	5113	6076	5193	4428	5820	4990	4446	3688
.Q:Not asked this wave		4549								
.R:Refuse	10	1	3	3	1	3	1			3
.S:Skip, Proxy	614	668	941	957	874	1359	1203	792	657	652
.U:Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V:Sp NR	379	384	418	537	311	220	380	317	365	431
.W:Not working prev 2 wvs							3180	3358	3294	3188
.X:Retired over 2 ago			1259							
.Y:Retired lt 1 yr ago	107	90	117	124	105	106	73	92	60	39
1. Better	560	818	1065	2180	2418	2096	715	616	598	523
3. About same	401	452	666	1428	1374	1452	511	495	403	484
5. Not as good	344	326	334	646	650	551	229	213	159	172

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 simply recodes for missing values. It is set to .N if R is not retired. It is set to .I if the question is irrelevant because R 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. It is set to .Y if R retired less than one year ago. In Wave 3A, when R3SAYRET is .A for probably retired, R3RETSAT is set to .I, and if the question is skipped because R 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 R is not married, SwRYRCMP is set to .U=unmarried. If R's spouse did not respond then these are set to .V=Spouse.

In Wave 2A this question is not asked and the value is set to .Q.

Cross Wave Differences in Original HRS Data

For all waves, the question is: Thinking about your retirement years compared to the years just before you retired, would you say the retirement years have been better, about the same, or not as good?. One of the coded answers may be "retired less than a year ago".

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 R retired more than two years ago.

This question is not asked in Wave 2A.

HRS Variables Used

HRS 1992:
V4922 K10:QUAL OF RET VS.WK YR

HRS 1994:
W3988 FA126.RETIREMENT YEARS B
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

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
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
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
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

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	15342	0.30	0.46	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	9233	0.35	0.48	0.0	1.0
R1WORK2	12638	0.08	0.28	0.0	1.0
R2WORK2	18818	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	15241	0.03	0.18	0.0	1.0
S1WORK2	9895	0.08	0.27	0.0	1.0
S2WORK2	12547	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	9166	0.04	0.19	0.0	1.0

Categorical Variable Codes

Value-----	R1WORK	R2WORK	R3WORK	R4WORK	R5WORK	R6WORK	R7WORK	R8WORK	R9WORK	R10WORK
.D:DK		3	3			2	2			2
.M:other missing	14	24	46	34	29	11	11	10	13	15
.R:Refuse		4	4	9	8	8	10	3	5	13
0.Not working for pay	4268	11789	11121	12943	12339	12082	12265	11814	11321	10707
1.Working for pay	8370	7822	6817	8398	7203	6062	7841	6642	5878	4635

Value-----	S1WORK	S2WORK	S3WORK	S4WORK	S5WORK	S6WORK	S7WORK	S8WORK	S9WORK	S10WORK
.D:DK						1	1			1
.M:other missing	5	4	14	8	7	3	1	1	4	2
.R:Refuse		2	1	2	2	4	5	2	5	5
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.Not working for pay	3300	7057	6727	7731	7341	7124	7202	6859	6393	5996
1.Working for pay	6595	6025	5173	6237	5380	4507	5763	4873	4244	3237

Value-----	R1WORK2	R2WORK2	R3WORK2	R4WORK2	R5WORK2	R6WORK2	R7WORK2	R8WORK2	R9WORK2	R10WORK2
.D:DK			2	6	4	4			1	1
.M:other missing	14	41	314	114	82	51	108	121	126	128
.Q=Not asked this wave		778								
.R:Refuse		5	3	3	7	3	6	2	3	2
0.Not working for pay	11591	18067	17007	20406	18827	17554	19154	17659	16480	14740
1.Working for pay	1047	751	665	855	659	553	861	687	607	501

Value-----	S1WORK2	S2WORK2	S3WORK2	S4WORK2	S5WORK2	S6WORK2	S7WORK2	S8WORK2	S9WORK2	S10WORK2
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.D:DK			1	2	4	2			1	1
.M:other missing	5	14	187	59	38	35	67	83	82	73
.Q=Not asked this wave		525								
.R:Refuse		2	2	2	5	3	6	2	1	1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.Not working for pay	9100	11957	11236	13295	12195	11175	12267	11149	10156	8825
1.Working for pay	795	590	489	620	488	424	632	501	406	341

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 R is working at a second job. If RwWORK is zero, RwWORK2 is also zero (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 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 R reports 'Working now' as employment status, then RwWORK is set to one (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

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
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

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	4630	0.25	0.43	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	3235	0.26	0.44	0.0	1.0

Categorical Variable Codes

Value	R1SLFEMP	R2SLFEMP	R3SLFEMP	R4SLFEMP	R5SLFEMP	R6SLFEMP	R7SLFEMP	R8SLFEMP	R9SLFEMP	R10SLFEMP
.D:DK/NA			4	3	1	4	2	59	11	4
.M:Other missing	16	31	55	106	75	21	23	13	18	30

.R:Refuse		10	2		2	1	3			1
.W:Skip,not working	4259	11789	11109	12943	12339	12082	12265	11814	11321	10707
0.Not self-employed	6847	6141	5297	6523	5643	4630	6068	5079	4447	3485
1.Self-employed	1530	1671	1524	1809	1519	1427	1768	1504	1420	1145
Value-----	S1SLFEMP	S2SLFEMP	S3SLFEMP	S4SLFEMP	S5SLFEMP	S6SLFEMP	S7SLFEMP	S8SLFEMP	S9SLFEMP	S10SLFEMP
.D:DK/NA			2	3	1	3	1	44	7	1
.M:Other missing	5	6	17	58	36	8	7	3	9	8
.R:Refuse		8	1		1	1	2			1
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
.W:Skip,not working	3293	7057	6717	7731	7341	7124	7202	6859	6393	5996
0.Not self-employed	5314	4651	3961	4791	4167	3388	4373	3667	3163	2402
1.Self-employed	1288	1366	1217	1395	1184	1115	1387	1162	1074	833

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 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 R 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

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
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

.T:worked last 2 yr, now do		137									
1.works FT	6633	5613	4690	5728	4723	3773	5182	4223	3682	2692	
2.works PT	1285	1625	962	1162	1025	916	1119	932	781	652	
3.unemployed	327	245	165	148	116	134	225	128	149	226	
4.partly ret	507	653	1232	1597	1544	1472	1618	1570	1495	1431	
5.retired	2027	6800	8179	9449	8849	8818	9450	9480	9363	9344	
6.disabled	483	522	648	849	769	642	563	519	424	269	
7.not in LbrF	1390	1029	2115	2451	2553	2410	1972	1617	1323	758	
Value-----	S1LBRF	S2LBRF	S3LBRF	S4LBRF	S5LBRF	S6LBRF	S7LBRF	S8LBRF	S9LBRF	S10LBRF	
.A: 65+, presumed retired		1352									
.Q: not asked, lt65, not wor		46									
.T:worked last 2 yr, now do		86									
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700	
.V=Sp NR	379	584	418	537	311	220	380	317	365	431	
1.works FT	5196	4342	3565	4294	3579	2838	3858	3135	2687	1917	
2.works PT	1018	1208	717	836	749	679	819	695	561	451	
3.unemployed	237	154	106	109	82	89	146	80	99	157	
4.partly ret	427	520	942	1159	1111	1053	1141	1094	1044	950	
5.retired	1604	4287	4983	5616	5334	5285	5541	5525	5278	5146	
6.disabled	263	268	307	414	360	310	271	249	187	135	
7.not in LbrF	1155	825	1295	1550	1515	1385	1196	957	790	485	

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 full-time job, RwLBRF is set to unemployed. If he/she is looking for a part-time job and mentions retirement, RwLBRF is set to partly retired. If looking for a part-time job and there is no mention of retirement, RwLBRF is set to unemployed.

If the respondent is not working and not looking 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 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 the questions that ask about whether the respondent is looking for a full-time or part-time job. So for 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 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.

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 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 "Consider 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

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
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
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?
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
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

Hours of work per week at current job
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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
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
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
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

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

R8HOURS	6467	36.14	15.88	0.0	168.0
R9HOURS	5738	35.40	15.47	0.0	168.0
R10HOURS	4514	34.14	16.45	0.0	168.0
S1HOURS	6549	40.43	13.23	1.0	95.0
S2HOURS	5972	38.71	14.64	0.0	95.0
S3HOURS	5099	37.54	14.95	0.0	95.0
S4HOURS	6093	37.79	15.43	0.0	168.0
S5HOURS	5258	37.35	16.18	0.0	168.0
S6HOURS	4413	36.05	15.82	0.0	168.0
S7HOURS	5642	37.34	15.61	0.0	168.0
S8HOURS	4757	36.64	15.81	0.0	168.0
S9HOURS	4157	35.80	15.56	0.0	168.0
S10HOURS	3168	34.65	16.35	0.0	130.0
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	485	12.95	11.41	0.0	72.0
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	332	12.93	12.29	0.0	72.0

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 R works for a firm: How many hours a week do you usually work on this job?

If R 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 appear 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
 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

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
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
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
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

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

R8WEEKS	6482	48.02	9.42	0.0	52.0
R9WEEKS	5744	47.66	10.03	0.0	52.0
R10WEEKS	4446	46.85	10.91	0.0	52.0
S1WEEKS	6492	49.42	6.93	1.0	52.0
S2WEEKS	5963	48.84	8.25	0.0	52.0
S3WEEKS	5109	48.13	9.23	0.0	52.0
S4WEEKS	6085	48.17	9.13	0.0	52.0
S5WEEKS	5231	48.05	9.08	0.0	52.0
S6WEEKS	4406	47.66	9.65	0.0	52.0
S7WEEKS	5636	47.92	9.54	0.0	52.0
S8WEEKS	4772	47.90	9.60	0.0	52.0
S9WEEKS	4165	47.63	9.99	0.0	52.0
S10WEEKS	3127	46.65	11.12	0.0	52.0
R1WEEK2	960	38.61	17.92	1.0	52.0
R2WEEK2	692	38.64	17.44	0.0	52.0
R3WEEK2	636	39.26	17.41	1.0	52.0
R4WEEK2	816	38.03	17.96	1.0	52.0
R5WEEK2	624	38.36	18.01	1.0	52.0
R6WEEK2	526	38.60	17.96	1.0	52.0
R7WEEK2	819	37.86	17.91	1.0	52.0
R8WEEK2	649	38.65	17.56	1.0	52.0
R9WEEK2	577	37.27	18.13	1.0	52.0
R10WEEK2	485	36.05	18.29	1.0	52.0
S1WEEK2	732	37.53	18.30	1.0	52.0
S2WEEK2	544	37.87	17.62	0.0	52.0
S3WEEK2	471	39.08	17.30	1.0	52.0
S4WEEK2	593	37.28	18.30	1.0	52.0
S5WEEK2	462	37.68	18.61	1.0	52.0
S6WEEK2	404	38.63	17.79	1.0	52.0
S7WEEK2	608	37.37	18.08	1.0	52.0
S8WEEK2	476	38.29	17.55	1.0	52.0
S9WEEK2	393	36.56	18.37	1.0	52.0
S10WEEK2	332	34.81	18.64	1.0	52.0

How Constructed:

RwWEEKS is the usual number of weeks per year the respondent works at his/her main job, counting paid vacation as weeks worked. RwHOUR2 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. RwWEEKS recodes missings for this variable. If the respondent is not working it is set to a .W missing code.

RwWEEK2 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 Ahead respondents, R2WEEK2 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 RwWEEKS and RwWEEK2.

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 appear 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
 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
 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

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
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
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
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
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WGIHR	7705	19.33	300.00	0.0	24000.0
R2WGIHR	7062	17.04	104.61	0.0	8000.0
R3WGIHR	5942	17.42	75.08	0.0	5000.0
R4WGIHR	7319	21.18	163.58	0.0	11111.1
R5WGIHR	6295	25.39	353.21	0.0	27000.0
R6WGIHR	5093	26.10	228.80	0.0	15625.0
R7WGIHR	6658	32.17	681.14	0.0	55250.0
R8WGIHR	5675	27.78	183.39	0.0	12345.7
R9WGIHR	5127	28.02	140.89	0.0	8333.3
R10WGIHR	4036	29.14	135.24	0.0	6520.8
S1WGIHR	6046	20.54	337.59	0.0	24000.0
S2WGIHR	5431	17.88	117.65	0.0	8000.0
S3WGIHR	4488	17.10	38.47	0.0	1527.8
S4WGIHR	5434	22.78	187.28	0.0	11111.1
S5WGIHR	4691	28.11	408.30	0.0	27000.0
S6WGIHR	3781	28.52	263.62	0.0	15625.0
S7WGIHR	4879	36.03	794.28	0.0	55250.0
S8WGIHR	4141	27.13	93.08	0.0	4000.0
S9WGIHR	3715	29.74	158.50	0.0	8333.3
S10WGIHR	2838	31.51	157.51	0.0	6520.8
R1WGIWK	7727	588.56	1445.38	0.0	96153.8
R2WGIWK	7087	609.28	2611.17	0.0	192306.5
R3WGIWK	5994	601.63	1561.48	0.0	91666.7
R4WGIWK	7348	706.37	5280.26	0.0	444444.0

R5WGIWK	6329	729.77	2031.08	0.0	85333.3
R6WGIWK	5119	764.82	1779.14	0.0	62500.0
R7WGIWK	6702	819.00	2223.66	0.0	110500.0
R8WGIWK	5709	900.12	2794.39	0.0	124452.0
R9WGIWK	5155	865.75	1679.60	0.0	76780.0
R10WGIWK	4061	845.02	1334.56	0.0	30208.3
S1WGIWK	6066	583.77	872.00	0.0	30000.0
S2WGIWK	5446	629.31	2816.15	0.0	192306.5
S3WGIWK	4520	619.09	1578.98	0.0	91666.7
S4WGIWK	5455	755.92	6108.40	0.0	444444.0
S5WGIWK	4714	769.87	2106.16	0.0	85333.3
S6WGIWK	3804	797.47	1650.07	0.0	62500.0
S7WGIWK	4910	870.35	2337.49	0.0	110500.0
S8WGIWK	4167	932.94	2634.14	0.0	124452.0
S9WGIWK	3734	929.63	1864.92	0.0	76780.0
S10WGIWK	2854	887.84	1226.02	0.0	26083.3
R1WGFHR	12652	3.85	3.51	1.0	9.0
R2WGFHR	19642	5.23	3.24	1.0	9.0
R3WGFHR	17991	5.76	3.33	1.0	9.0
R4WGFHR	21384	5.67	3.36	1.0	9.0
R5WGFHR	19579	5.81	3.31	1.0	9.0
R6WGFHR	18165	6.11	3.18	1.0	9.0
R7WGFHR	20129	5.77	3.34	1.0	9.0
R8WGFHR	18469	5.92	3.27	1.0	9.0
R9WGFHR	17217	5.98	3.23	1.0	9.0
R10WGFHR	15372	6.24	3.10	1.0	9.0
S1WGFHR	9900	3.83	3.51	1.0	9.0
S2WGFHR	13088	4.94	3.37	1.0	9.0
S3WGFHR	11915	5.44	3.45	1.0	9.0
S4WGFHR	13978	5.36	3.47	1.0	9.0
S5WGFHR	12730	5.49	3.43	1.0	9.0
S6WGFHR	11639	5.81	3.33	1.0	9.0
S7WGFHR	12972	5.47	3.45	1.0	9.0
S8WGFHR	11735	5.61	3.40	1.0	9.0
S9WGFHR	10646	5.63	3.38	1.0	9.0
S10WGFHR	9241	5.94	3.26	1.0	9.0
R1WGFWK	12652	3.83	3.51	1.0	9.0
R2WGFWK	19642	5.22	3.24	1.0	9.0
R3WGFWK	17991	5.74	3.34	1.0	9.0
R4WGFWK	21384	5.66	3.37	1.0	9.0
R5WGFWK	19579	5.80	3.31	1.0	9.0
R6WGFWK	18165	6.10	3.19	1.0	9.0
R7WGFWK	20129	5.76	3.34	1.0	9.0
R8WGFWK	18469	5.91	3.27	1.0	9.0
R9WGFWK	17217	5.97	3.24	1.0	9.0
R10WGFWK	15372	6.23	3.11	1.0	9.0
S1WGFWK	9900	3.82	3.51	1.0	9.0
S2WGFWK	13088	4.93	3.37	1.0	9.0
S3WGFWK	11915	5.42	3.45	1.0	9.0
S4WGFWK	13978	5.34	3.47	1.0	9.0
S5WGFWK	12730	5.48	3.43	1.0	9.0
S6WGFWK	11639	5.79	3.33	1.0	9.0
S7WGFWK	12972	5.45	3.45	1.0	9.0
S8WGFWK	11735	5.59	3.40	1.0	9.0
S9WGFWK	10646	5.62	3.38	1.0	9.0
S10WGFWK	9241	5.92	3.26	1.0	9.0

Categorical Variable Codes

Value-----	R1WGFHR	R2WGFHR	R3WGFHR	R4WGFHR	R5WGFHR	R6WGFHR	R7WGFHR	R8WGFHR	R9WGFHR	R10WGFHR
1.Not unemp: wage not missn	7378	6817	5777	7171	6179	4959	6433	5547	4978	3810
2.Unemp:use MR prior wage	317	224	149	132	99	126	121	104	129	207
3.Unemp:predicted wage fr r	10	21	16	16	17	8	104	24	20	19
6.LF=miss:wage=miss,no imp		3155								
8.Not in LF:wage=miss,no im	3900	8351	10942	12749	12171	11870	11985	11616	11110	10371
9.InLF,not unemp:miss,no im	1047	1074	1107	1316	1113	1202	1486	1178	980	965
Value-----	S1WGFHR	S2WGFHR	S3WGFHR	S4WGFHR	S5WGFHR	S6WGFHR	S7WGFHR	S8WGFHR	S9WGFHR	S10WGFHR
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.Not unemp: wage not missn	5809	5277	4382	5325	4609	3692	4733	4061	3616	2681
2.Unemp:use MR prior wage	228	140	96	100	69	81	82	64	84	143
3.Unemp:predicted wage fr r	9	14	10	9	13	8	64	16	15	14
6.LF=miss:wage=miss,no imp		1484								
8.Not in LF:wage=miss,no im	3022	5380	6585	7580	7209	6980	7008	6731	6255	5766
9.InLF,not unemp:miss,no im	832	793	842	964	830	878	1085	863	676	637
Value-----	R1WGFWK	R2WGFWK	R3WGFWK	R4WGFWK	R5WGFWK	R6WGFWK	R7WGFWK	R8WGFWK	R9WGFWK	R10WGFWK
1.Not unemp: wage not missn	7400	6842	5829	7200	6213	4985	6477	5581	5006	3835
2.Unemp:use MR prior wage	317	224	149	132	99	126	121	104	129	207
3.Unemp:predicted wage fr r	10	21	16	16	17	8	104	24	20	19
6.LF=miss:wage=miss,no imp		3155								
8.Not in LF:wage=miss,no im	3900	8351	10942	12749	12171	11870	11985	11616	11110	10371
9.InLF,not unemp:miss,no im	1025	1049	1055	1287	1079	1176	1442	1144	952	940
Value-----	S1WGFWK	S2WGFWK	S3WGFWK	S4WGFWK	S5WGFWK	S6WGFWK	S7WGFWK	S8WGFWK	S9WGFWK	S10WGFWK
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
1.Not unemp: wage not missn	5829	5292	4414	5346	4632	3715	4764	4087	3635	2697
2.Unemp:use MR prior wage	228	140	96	100	69	81	82	64	84	143
3.Unemp:predicted wage fr r	9	14	10	9	13	8	64	16	15	14
6.LF=miss:wage=miss,no imp		1484								
8.Not in LF:wage=miss,no im	3022	5380	6585	7580	7209	6980	7008	6731	6255	5766
9.InLF,not unemp:miss,no im	812	778	810	943	807	855	1054	837	657	621

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 pay rate, and 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 R 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.

HRS Variables Used

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
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
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
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
D2836	GA44. HOURS/WEEK WORKED
D2846	GA47. WEEKS/YEAR 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
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
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
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

F3842 GH7.LEFT EMPLOYER-YEAR
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
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
G3509 G44.HOURS WORK PER WEEK
G3519 G47.WEEKS PER YEAR USUALLY WORK
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
 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
 HJ172 HRS WORK PER WEEK
 HJ179 WKS PR YR USUALLY WORK
 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 EMPLOYMNT
 HJ599 HRS/WK-WORKED BEFORE CURRENT EMPLOYMNT
 HJ600 EARNINGS-WORK BEFORE CURRENT EMPLOYMNT
 HJ604 WORK B/F CURRENT EMPLOYMNT-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
 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
 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
 JJ172 HRS WORK PER WEEK
 JJ179 WKS PR YR USUALLY WORK
 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 EMPLOYMNT
 JJ599 HRS/WK-WORKED BEFORE CURRENT EMPLOYMNT
 JJ600 EARNINGS-WORK BEFORE CURRENT EMPLOYMNT
 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
 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
 KJ172 HRS WORK PER WEEK
 KJ179 WKS PR YR USUALLY WORK
 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 EMPLOYMNT
 KJ599 HRS/WK-WORKED BEFORE CURRENT EMPLOYMNT
 KJ600 EARNINGS-WORK BEFORE CURRENT EMPLOYMNT
 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
 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

LJ172 HRS WORK PER WEEK
 LJ179 WKS PR YR USUALLY WORK
 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
 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 EMPLOYMNT
 LJ599 HRS/WK-WORKED BEFORE CURRENT EMPLOYMNT
 LJ600 EARNINGS-WORK BEFORE CURRENT EMPLOYMNT
 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
 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
 MJ172 HRS WORK PER WEEK
 MJ179 WKS PR YR USUALLY WORK
 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
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 EMPLOYMENT
MJ599 HRS/WK-WORKED BEFORE CURRENT EMPLOYMENT
MJ600 EARNINGS-WORK BEFORE CURRENT EMPLOYMENT
MJ604 EARNINGS WORK BEFORE CURRENT EMP - PER
MK003 WORK FOR PAY MORE THAN FEW MOS
MK004 LAST WORKED WHEN-YR
MK005 LAST WORKED WHEN-YRS AGO
MK011 HRS WRK PR WK
MK014 WKS WRK PR YR
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 WORKED PR WK
ML021 WKS WORKED PR YR
ML022 EARNING IN LAST YR
ML023 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
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

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	4462	2.88	1.11	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	3098	2.90	1.10	1.0	5.0

Categorical Variable Codes

Value-----	R1JPHYS	R2JPHYS	R3JPHYS	R4JPHYS	R5JPHYS	R6JPHYS	R7JPHYS	R8JPHYS	R9JPHYS	R10JPHYS
.D:DK/NA	3	4	5	3	3	3	2	1	2	
.M:Other missing	14	25	125	171	129	32	113	176	106	124

.P:No info prior wv (proxy/			170	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R:Refuse	51	8	10	13	9	6	5		5	2
.S:Skip, proxy interivew		43	91	250	202	204	318	174	112	76
.W:Skip,not working	4268	4359	11121	12943	12339	12082	12265	11814	11321	10707
1.All/almost all the time	1811	1453	1255	1492	1227	1085	1501	1223	1036	796
2.Most of the time	1580	1312	1161	1268	1044	794	1026	891	829	615
3.Some of the time	2337	1974	1871	2315	2010	1753	2213	1919	1747	1427
4.None/almost none of time	2588	2242	2182	2838	2566	2200	2683	2271	1970	1589
5.Does not apply									88	35
Value-----	S1JPHYS	S2JPHYS	S3JPHYS	S4JPHYS	S5JPHYS	S6JPHYS	S7JPHYS	S8JPHYS	S9JPHYS	S10JPHYS
.D:DK/NA	2	3	4	3	2	1	1		1	
.M:Other missing	5	11	54	106	86	17	67	139	67	72
.P:No info prior wv (proxy/			115	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R:Refuse	32	7	8	8	4	6	4		2	1
.S:Skip, proxy interivew		38	88	237	193	194	312	170	108	73
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	418	537	311	220	380	317	365	431
.W:Skip,not working	3300	3234	6727	7731	7341	7124	7202	6859	6393	5996
1.All/almost all the time	1386	1088	931	1053	901	783	1063	873	713	527
2.Most of the time	1239	1020	877	937	770	585	747	650	596	418
3.Some of the time	1849	1562	1456	1725	1483	1300	1601	1378	1252	1007
4.None/almost none of time	2087	1776	1655	2114	1917	1623	1972	1666	1451	1121
5.Does not apply									62	25

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 R is working at the same job. If skipped, and R 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 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

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
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

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	4461	3.43	0.93	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	3098	3.42	0.92	1.0	5.0

Categorical Variable Codes

Value	R1JLIFT	R2JLIFT	R3JLIFT	R4JLIFT	R5JLIFT	R6JLIFT	R7JLIFT	R8JLIFT	R9JLIFT	R10JLIFT
.D:DK/NA	1	2	5	3	1	3	2		1	2
.M:Other missing	14	25	125	171	129	32	113	176	106	124

.P:No info prior wv (proxy/			170	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R:Refuse	48	8	10	12	8	7	5		5	1
.S:Skip, proxy interivew		43	91	250	202	204	318	174	112	76
.W:Skip,not working	4268	4359	11121	12943	12339	12082	12265	11814	11321	10707
1.All/almost all the time	777	576	458	599	463	452	668	523	455	345
2.Most of the time	663	515	440	496	397	323	436	397	350	233
3.Some of the time	2347	1960	1773	2082	1791	1386	1792	1556	1439	1175
4.None/almost none of time	4534	3932	3798	4737	4199	3670	4527	3829	3193	2580
5.Does not apply									234	128
Value-----	S1JLIFT	S2JLIFT	S3JLIFT	S4JLIFT	S5JLIFT	S6JLIFT	S7JLIFT	S8JLIFT	S9JLIFT	S10JLIFT
.D:DK/NA	1	2	5	2		1	1		1	
.M:Other missing	5	11	54	106	86	17	67	139	67	72
.P:No info prior wv (proxy/			115	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R:Refuse	28	6	8	8	4	6	4		2	1
.S:Skip, proxy interivew		38	88	237	193	194	312	170	108	73
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	418	537	311	220	380	317	365	431
.W:Skip,not working	3300	3234	6727	7731	7341	7124	7202	6859	6393	5996
1.All/almost all the time	595	428	351	443	354	331	482	388	315	238
2.Most of the time	530	417	344	387	313	240	322	309	254	159
3.Some of the time	1902	1571	1386	1551	1341	1057	1341	1140	1048	845
4.None/almost none of time	3539	3032	2837	3449	3065	2663	3238	2730	2312	1791
5.Does not apply									145	65

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 R is working at the same job. If skipped, and R 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 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

Current job requires stooping, kneeling, or crouching
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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
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

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	4459	3.03	1.08	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	3096	3.02	1.08	1.0	5.0

Categorical Variable Codes

Value-----	R1JSTOOP	R2JSTOOP	R3JSTOOP	R4JSTOOP	R5JSTOOP	R6JSTOOP	R7JSTOOP	R8JSTOOP	R9JSTOOP	R10JSTOOP
.D:DK/NA	2	3	4	2	1	2	2	5	2	4
.M:Other missing	14	25	125	171	129	32	113	176	106	124

.P:No info prior wv (proxy/			170	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R:Refuse	52	11	12	13	11	6	5		5	1
.S:Skip, proxy interivew		43	91	250	202	204	318	174	112	76
.W:Skip,not working	4268	4359	11121	12943	12339	12082	12265	11814	11321	10707
1.All/almost all the time	1153	933	826	1070	888	855	1232	1021	864	661
2.Most of the time	1110	883	771	889	713	571	751	666	612	473
3.Some of the time	3194	2575	2352	2761	2372	1929	2415	2067	1852	1454
4.None/almost none of time	2859	2588	2519	3194	2874	2478	3025	2546	2174	1796
5.Does not apply									168	75
Value-----	S1JSTOOP	S2JSTOOP	S3JSTOOP	S4JSTOOP	S5JSTOOP	S6JSTOOP	S7JSTOOP	S8JSTOOP	S9JSTOOP	S10JSTOOP
.D:DK/NA	2	3	3	2		1	1	3	2	2
.M:Other missing	5	11	54	106	86	17	67	139	67	72
.P:No info prior wv (proxy/			115	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R:Refuse	30	7	9	8	6	6	4		2	1
.S:Skip, proxy interivew		38	88	237	193	194	312	170	108	73
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	384	418	537	311	220	380	317	365	431
.W:Skip,not working	3300	3234	6727	7731	7341	7124	7202	6859	6393	5996
1.All/almost all the time	907	703	636	800	673	636	902	750	614	460
2.Most of the time	872	706	596	662	542	443	574	502	444	339
3.Some of the time	2524	2017	1812	2043	1753	1412	1742	1491	1329	1016
4.None/almost none of time	2260	2020	1875	2325	2103	1800	2165	1821	1573	1235
5.Does not apply									113	46

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 R is working at the same job. If skipped, and R 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 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

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
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

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	4462	1.49	0.82	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	3099	1.48	0.81	1.0	5.0

Categorical Variable Codes

Value-----	R1JSIGHT	R2JSIGHT	R3JSIGHT	R4JSIGHT	R5JSIGHT	R6JSIGHT	R7JSIGHT	R8JSIGHT	R9JSIGHT	R10JSIGHT
.D:DK/NA	2	2	3	3	2	3	2	1	1	2
.M:Other missing	14	74	138	178	131	35	115	176	106	124

.R:Refuse	61	15	11	11	10	8	7	2	6	1
.S:Skip, proxy interview		43	91	250	202	204	318	174	112	76
.W:Skip,not working	4268	11789	11121	12943	12339	12082	12265	11814	11321	10707
1.All/almost all the time	4498	4112	3898	5008	4419	3942	4958	4307	3892	2992
2.Most of the time	2865	2722	1958	2048	1659	1257	1607	1315	1137	936
3.Some of the time	658	625	539	637	551	400	548	459	424	356
4.None/almost none of time	286	260	232	306	266	234	309	221	195	165
5.Does not apply									23	13
Value-----	S1JSIGHT	S2JSIGHT	S3JSIGHT	S4JSIGHT	S5JSIGHT	S6JSIGHT	S7JSIGHT	S8JSIGHT	S9JSIGHT	S10JSIGHT
.D:DK/NA	2	2	3	2		1		1	1	
.M:Other missing	5	43	64	113	88	20	69	139	67	72
.R:Refuse	36	11	10	6	5	8	6	1	3	1
.S:Skip, proxy interview		38	88	237	193	194	312	170	108	73
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
.W:Skip,not working	3300	7057	6727	7731	7341	7124	7202	6859	6393	5996
1.All/almost all the time	3520	3152	2965	3684	3284	2906	3590	3117	2776	2097
2.Most of the time	2307	2109	1483	1519	1238	938	1191	965	837	640
3.Some of the time	506	478	412	468	393	287	395	321	305	242
4.None/almost none of time	224	198	163	218	188	161	207	162	139	112
5.Does not apply									17	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 R is working at the same job. If skipped, 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 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
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

Current job involves lots of stress
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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
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

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	4471	2.41	0.86	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	3107	2.38	0.85	1.0	5.0

Categorical Variable Codes

Value-----	R1JSTRES	R2JSTRES	R3JSTRES	R4JSTRES	R5JSTRES	R6JSTRES	R7JSTRES	R8JSTRES	R9JSTRES	R10JSTRES
.D:DK/NA	6	11	7	11	11	12	4	12	3	14
.M:Other missing	14	74	134	87	57	29	92	82	98	102

.R:Refuse	80	7	5	11	8	5	4	6	8	2
.S:Skip, proxy interivew		43	91	250	202	204	318	174	112	76
.W:Skip,not working	4268	11789	11121	12943	12339	12082	12265	11814	11321	10707
1.Strongly agree	1643	1287	1114	1492	1058	929	1403	1190	963	716
2.Agree	3514	2998	2496	3019	2476	2154	2605	2233	2110	1582
3.Disagree	2755	2736	2570	3117	3011	2398	2989	2525	2155	1784
4.Strongly disagree	372	697	453	454	417	352	449	433	416	381
5.Does not apply									31	8
Value-----	S1JSTRES	S2JSTRES	S3JSTRES	S4JSTRES	S5JSTRES	S6JSTRES	S7JSTRES	S8JSTRES	S9JSTRES	S10JSTRES
.D:DK/NA	6	11	6	9	7	8	2	7	3	10
.M:Other missing	5	43	60	40	24	15	53	53	59	54
.R:Refuse	55	6	4	6	5	5	3	3	3	1
.S:Skip, proxy interivew		38	88	237	193	194	312	170	108	73
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
.W:Skip,not working	3300	7057	6727	7731	7341	7124	7202	6859	6393	5996
1.Strongly agree	1260	1001	822	1105	802	668	1016	847	689	513
2.Agree	2827	2325	1911	2245	1870	1606	1908	1687	1559	1142
3.Disagree	2161	2136	1984	2299	2183	1782	2159	1812	1525	1203
4.Strongly disagree	286	471	313	306	305	237	317	297	286	247
5.Does not apply									21	2

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 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 R 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:	
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

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
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

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	4575	12.35	12.08	0.0	71.0
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	3196	12.73	12.24	0.0	71.0

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 R 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 R turned age 15, then it is set to the year R 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
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
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

Occupation code for current job
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Wave	Variable	Label	Type
1	R1JCOCC	R1JCOCC:W1 Current Job Occupation	Categ
2	R2JCOCC	R2JCOCC:W2 Current Job Occupation	Categ
3	R3JCOCC	R3JCOCC:W3 Current Job Occupation	Categ
4	R4JCOCC	R4JCOCC:W4 Current Job Occupation	Categ
5	R5JCOCC	R5JCOCC:W5 Current Job Occupation	Categ
6	R6JCOCC	R6JCOCC:W6 Current Job Occupation	Categ
7	R7JCOCC	R7JCOCC:W7 Current Job Occupation	Categ
8	R8JCOCC	R8JCOCC:W8 Current Job Occupation	Categ
9	R9JCOCC	R9JCOCC:W9 Current Job Occupation	Categ
10	R10JCOCC	R10JCOCC:W10 Current Job Occupation	Categ
1	S1JCOCC	S1JCOCC:W1 Current Job Occupation	Categ
2	S2JCOCC	S2JCOCC:W2 Current Job Occupation	Categ
3	S3JCOCC	S3JCOCC:W3 Current Job Occupation	Categ
4	S4JCOCC	S4JCOCC:W4 Current Job Occupation	Categ
5	S5JCOCC	S5JCOCC:W5 Current Job Occupation	Categ
6	S6JCOCC	S6JCOCC:W6 Current Job Occupation	Categ
7	S7JCOCC	S7JCOCC:W7 Current Job Occupation	Categ
8	S8JCOCC	S8JCOCC:W8 Current Job Occupation	Categ
9	S9JCOCC	S9JCOCC:W9 Current Job Occupation	Categ
10	S10JCOCC	S10JCOCC:W10 Current Job Occupation	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
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
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
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

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	2597	5.43	4.49	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	1851	5.42	4.57	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
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
R8JCOCCB	4695	13.53	7.05	1.0	25.0
R9JCOCCB	5846	13.61	6.98	1.0	25.0
R10JCOCCB	3578	13.30	6.97	1.0	25.0
S8JCOCCB	3443	13.35	7.30	1.0	25.0
S9JCOCCB	4224	13.43	7.24	1.0	25.0
S10JCOCCB	2543	13.12	7.21	1.0	25.0

Categorical Variable Codes

Value-----	R1JCOCC	R2JCOCC	R3JCOCC	R4JCOCC	R5JCOCC	R6JCOCC	R7JCOCC	R8JCOCC	R9JCOCC	R10JCOCC
.B=From W8,begin Cen2000 co								1612	2089	2029
.M=Missing	33	41	56	382	250	116	115	40	36	39
.Q=Not asked this wave		788	650							
.W=Skip,not working	4259	11789	11121	12943	12339	12082	12265	11814	11321	10707
01.Managerial specialty ope	1238	1065	905	1152	1025	857	1075	714	545	370
02.Prof specialty opr/tech	1305	1110	990	1428	1269	1085	1495	1029	794	579
03.Sales	848	708	658	891	736	649	864	549	407	302
04.Clerical/admin supp	1340	1107	973	1270	1137	942	1253	860	655	438
05.Svc:prv hhld/clean/bldg	130	108	95	131	93	81	99	49	35	24
06.Svc:protection	138	115	107	127	122	105	146	91	66	36

07.Svc:food prep	252	222	188	241	203	176	229	138	96	65
08.Health svc	197	175	152	210	184	161	210	124	87	59
09.Personal svc	569	527	446	537	486	423	549	314	237	184
10.Farming/forestry/fishing	265	231	195	264	216	212	235	141	113	92
11.Mechanics/repair	305	229	209	263	210	164	225	141	105	71
12.Constr trade/extractors	287	220	223	271	230	182	265	164	134	78
13.Precision production	284	236	199	237	190	163	190	124	97	60
14.Operators: machine	565	445	370	442	348	269	305	193	127	74
15.Operators: transport, et	420	359	325	397	368	326	365	232	171	103
16.Operators: handlers, etc	210	164	127	197	172	170	238	137	100	60
17.Member of Armed Forces	7	3	2	1	1	2	6	3	2	2

Value-----	S1JCOCC	S2JCOCC	S3JCOCC	S4JCOCC	S5JCOCC	S6JCOCC	S7JCOCC	S8JCOCC	S9JCOCC	S10JCOCC
.B=From W8,begin Cen2000 co								1155	1482	1379
.M=Missing	19	24	26	236	150	71	66	22	20	15
.Q=Not asked this wave		522	415							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
.W:Skip,not working	3293	7057	6727	7731	7341	7124	7202	6859	6393	5996
01.Managerial specialty ope	1019	866	720	900	801	672	838	567	429	275
02.Prof specialty opr/tech	1019	867	761	1074	960	836	1135	768	580	419
03.Sales	711	588	527	671	568	499	658	410	313	221
04.Clerical/admin supp	1026	824	718	920	824	660	860	598	463	308
05.Svc:prv hhld/clean/bldg	82	60	48	62	49	45	50	25	19	12
06.Svc:protection	114	101	89	108	102	81	111	74	47	28
07.Svc:food prep	166	142	120	144	111	94	131	77	52	34
08.Health svc	112	93	82	120	105	93	120	73	51	32
09.Personal svc	415	389	318	366	320	277	354	201	143	105
10.Farming/forestry/fishing	225	196	175	223	182	172	194	118	95	74
11.Mechanics/repair	253	193	183	221	177	140	190	121	93	62
12.Constr trade/extractors	254	191	186	229	192	145	212	131	103	58
13.Precision production	237	201	167	187	147	125	145	100	73	44
14.Operators: machine	435	335	275	320	274	205	223	143	86	59
15.Operators: transport, et	358	301	273	314	296	264	302	189	127	76
16.Operators: handlers, etc	156	135	103	151	130	134	175	101	75	42
17.Member of Armed Forces	6	3	2	1	1	2	6	3	2	2

Value-----	R2JCOCCA	R3JCOCCA	R4JCOCCA	R5JCOCCA	R6JCOCCA	R7JCOCCA	R8JCOCCA	R9JCOCCA	R10JCOCCA
.M=Missing		24	25	19					
.Q=Not asked this wave	11420	10964	15433	14679	14138	16841	15839	15128	13910
.W:Skip,not working	7430	6376	5460	4632	3885	3205	2586	2068	1450
01.Professional/technical w		134	112	81	47	22	17	9	4
02.Managers/officials/propr		106	90	42	33	19	11	4	2
03.Clerical/kindred workers		105	84	68	37	20	10	5	1
04.Sales workers		103	81	85	49	30	18	9	3
05.Craftsmen/foremen/kindre		62	42	20	9	6	4	1	
06.Operatives/kindred worke		42	39	34	22	10	5	3	1
07.Laborers/farm foremen		21	23	20	7	3	1		
08.Svc workers		172	121	99	53	24	12	9	7
09.Farmers and farm manager		23	34	23	11	8	5	4	1

Value-----	S2JCOCCA	S3JCOCCA	S4JCOCCA	S5JCOCCA	S6JCOCCA	S7JCOCCA	S8JCOCCA	S9JCOCCA	S10JCOCCA
.M=Missing		6	9	5					
.Q=Not asked this wave	9123	8629	11178	10630	10059	11801	10910	10060	8901
.U=Unmar	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	200	95	537	311	220	380	317	365	431
.W:Skip,not working	3823	3193	2502	1942	1498	1126	805	576	335
01.Professional/technical w		105	85	56	27	13	10	6	3
02.Managers/officials/propr		81	63	29	23	11	5	1	2
03.Clerical/kindred workers		64	49	37	21	9	4	2	1
04.Sales workers		71	56	52	27	15	7	3	1
05.Craftsmen/foremen/kindre		44	33	18	8	5	4	1	
06.Operatives/kindred worke		36	28	25	16	6	3	1	
07.Laborers/farm foremen		17	17	15	6	3	1		
08.Svc workers		84	51	43	22	15	6	3	2
09.Farmers and farm manager		18	25	18	8	5	5	3	1

Value-----		R8JCOCCB	R9JCOCCB	R10JCOCCB
.M=Missing		56	48	1022
.P=From before W8		1904	2	65
.W:Skip,not working		11814	11321	10707
01.Management Occupations		556	649	415
02.Business Oper-ns Special		90	105	69
03.Financial Specialists		100	117	71
04.Computer+Math Occs		50	72	42
05.Architecture+Engineering		69	94	56

06.Life/Physical/SocialSci	53	59	46
07.Community+Social Svcs Oc	112	121	74
08.Legal Occups	77	82	60
09.Education/Training/Libra	289	430	296
10.Arts/Design/Entertnmt Oc	104	95	62
11.Hlthcare Practition/Tech	187	257	177
12.Healthcare Support Occs	107	168	91
13.Protective Service Occs	76	120	59
14.Food Prep+Serving Occs	163	211	117
15.Blding/Grounds/Clean/Mai	272	332	209
16.Personal Care+Service Oc	227	259	151
17.Sales Occups	573	635	407
18.Office+Admin Support Occ	692	908	563
19.Farm/Fish/Forestry Occup	34	39	21
20.Construction Trades	216	248	114
21.Extraction Workers	1	2	
22.Install/Maint/Repair Wor	109	161	100
23.Production Occups	258	333	190
24.Transport/Material Movin	278	344	183
25.Military Specific Occups	2	5	5
Value-----	S8JCOCCB	S9JCOCCB	S10JCOCCB
.M=Missing	30	28	662
.P=From before W8	1403	1	40
.U=Unmar	6417	6206	5700
.V=Sp NR	317	365	431
.W:Skip,not working	6859	6393	5996
01.Management Occupations	460	527	328
02.Business Oper-ns Special	62	84	49
03.Financial Specialists	75	89	55
04.Computer+Math Occs	44	58	35
05.Architecture+Engineering	58	84	48
06.Life/Physical/SocialSci	45	50	37
07.Community+Social Svcs Oc	88	88	54
08.Legal Occups	50	55	40
09.Education/Training/Libra	206	295	205
10.Arts/Design/Entertnmt Oc	78	74	50
11.Hlthcare Practition/Tech	139	183	127
12.Healthcare Support Occs	62	93	50
13.Protective Service Occs	62	81	45
14.Food Prep+Serving Occs	97	125	63
15.Blding/Grounds/Clean/Mai	170	215	124
16.Personal Care+Service Oc	141	164	96
17.Sales Occups	428	470	291
18.Office+Admin Support Occ	470	621	376
19.Farm/Fish/Forestry Occup	26	29	17
20.Construction Trades	173	191	85
21.Extraction Workers	1	2	
22.Install/Maint/Repair Wor	89	130	81
23.Production Occups	192	243	140
24.Transport/Material Movin	225	268	142
25.Military Specific Occups	2	5	5

How Constructed:

RwJCOCC is the respondent's occupation on the current job in Wave 'w'. 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 8.

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 R 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.

Beginning in Wave 8, HRS begins using a different set of occupation codes, based on the 2000 Census. Before Wave 8 there are 17 possible occupation codes; from Wave 8 forward, there are 25 codes. RwjCOCCB begins with R8JCOCCB and provides the new code set.

If this question is not asked in Wave 8 because the respondent has not changed jobs or job title, then R8JCOCCB is set to .P, for occupation taken from prior wave and R8JCOCC provides the 1980 Census-based occupation. If R8JCOCCB is provided but the respondent did not change jobs, s/he may have values for both R8JCOCC and R8JCOCCB. If the respondent started a new job in Wave 8, then R8JCOCC is set to .B, to indicate that the occupation code for the current job is taken from Wave 8 when HRS begins to use the 2000 Census occupations, which R8JCOCC 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 RwjCOCC, RwjCOCCA, and RwjCOCCB.

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.

Before Wave 8, the occupation codes are based on 1980 Census occupations, assigned to one of 17 categories. Beginning in Wave 8, they are based on 2000 Census occupations, assigned to one of 25 categories. The occupation codes before Wave 8 are not the same as those collected from Wave 8 forward.

HRS Variables Used

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
JJ168M OCCUPATION - MASKED
HRS 2006:
KJ062M CURRENT WORK DONE - MASKED
KJ168M TYPE WORK DONE- MASKED
HRS 2008:
LJ168M TYPE WORK DONE- MASKED
HRS 2010:
MJ168M TYPE WORK DONE- MASKED

Industry code for current job

Wave	Variable	Label	Type
1	R1JCIND	R1JCIND:W1 Current Job Industry	Categ
2	R2JCIND	R2JCIND:W2 Current Job Industry	Categ
3	R3JCIND	R3JCIND:W3 Current Job Industry	Categ
4	R4JCIND	R4JCIND:W4 Current Job Industry	Categ
5	R5JCIND	R5JCIND:W5 Current Job Industry	Categ
6	R6JCIND	R6JCIND:W6 Current Job Industry	Categ
7	R7JCIND	R7JCIND:W7 Current Job Industry	Categ
8	R8JCIND	R8JCIND:W8 Current Job Industry	Categ
9	R9JCIND	R9JCIND:W9 Current Job Industry	Categ
10	R10JCIND	R10JCIND:W10 Current Job Industry	Categ
1	S1JCIND	S1JCIND:W1 Current Job Industry	Categ
2	S2JCIND	S2JCIND:W2 Current Job Industry	Categ
3	S3JCIND	S3JCIND:W3 Current Job Industry	Categ
4	S4JCIND	S4JCIND:W4 Current Job Industry	Categ
5	S5JCIND	S5JCIND:W5 Current Job Industry	Categ
6	S6JCIND	S6JCIND:W6 Current Job Industry	Categ
7	S7JCIND	S7JCIND:W7 Current Job Industry	Categ
8	S8JCIND	S8JCIND:W8 Current Job Industry	Categ
9	S9JCIND	S9JCIND:W9 Current Job Industry	Categ
10	S10JCIND	S10JCIND:W10 Current Job Industry	Categ
8	R8JCINDB	R8JCINDB:W8 Cur Job Industry/2000 Census	Categ
9	R9JCINDB	R9JCINDB:W9 Cur Job Industry/2000 Census	Categ
10	R10JCINDB	R10JCINDB:W10 Cur Job Industry/2000 Census	Categ
8	S8JCINDB	S8JCINDB:W8 Cur Job Industry/2000 Census	Categ
9	S9JCINDB	S9JCINDB:W9 Cur Job Industry/2000 Census	Categ
10	S10JCINDB	S10JCINDB:W10 Cur Job Industry/2000 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	2582	8.49	3.66	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	1843	8.26	3.69	1.0	13.0

R8JCINDB	2680	10.85	5.06	1.0	19.0
R9JCINDB	5823	11.17	4.96	1.0	19.0
R10JCINDB	3543	11.26	4.94	1.0	19.0
S8JCINDB	2001	10.53	5.08	1.0	19.0
S9JCINDB	4209	10.84	4.98	1.0	19.0
S10JCINDB	2523	10.93	4.95	1.0	19.0

Categorical Variable Codes

Value-----	R1JCIND	R2JCIND	R3JCIND	R4JCIND	R5JCIND	R6JCIND	R7JCIND	R8JCIND	R9JCIND	R10JCIND
.B=From W8,begin Cen2000 co								1594	2089	2029
.M=Missing	66	73	102	452	303	166	149	83	50	54
.Q=Not asked this wave		788	650							
.W=Skip,not working	4259	11789	11121	12943	12339	12082	12265	11814	11321	10707
01.Agric/Forest/Fish (010-0	278	241	203	267	224	227	248	146	122	97
02.Mining and Constr (040-0	508	418	358	427	382	314	456	267	202	126
03.Mnfg: Non-durable (100-2	611	489	397	496	373	291	361	234	168	99
04.Mnfg: Durable (230-392)	903	697	585	713	577	447	564	388	270	170
05.Transportation (400-572)	570	467	398	496	414	322	448	301	231	149
06.Wholesale (500-571)	320	251	250	324	259	236	312	209	166	103
07.Retail (580-691)	933	804	695	936	809	699	874	531	393	267
08.Finan/Ins/RealEst (700-7	528	452	412	579	507	449	596	396	301	207
09.Busns/Repair Svcs (721-7	491	430	418	564	534	449	557	335	252	176
10.Personal Services (761-7	412	363	319	441	352	335	412	213	153	116
11.Entertn/Recreatn (800-80	125	100	102	159	131	124	160	96	66	49
12.Prof/Related Svcs (812-8	2244	1949	1706	2234	2036	1774	2350	1594	1220	883
13.Public Administration (9	404	331	275	353	339	250	377	268	213	140

Value-----	S1JCIND	S2JCIND	S3JCIND	S4JCIND	S5JCIND	S6JCIND	S7JCIND	S8JCIND	S9JCIND	S10JCIND
.B=From W8,begin Cen2000 co								1149	1482	1379
.M=Missing	34	42	53	285	181	108	89	46	30	23
.Q=Not asked this wave		522	415							
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
.W=Skip,not working	3293	7057	6727	7731	7341	7124	7202	6859	6393	5996
01.Agric/Forest/Fish (010-0	238	204	180	225	191	187	200	122	104	78
02.Mining and Constr (040-0	440	367	306	360	309	245	369	214	153	91
03.Mnfg: Non-durable (100-2	489	385	309	369	288	227	278	177	125	77
04.Mnfg: Durable (230-392)	737	569	473	558	463	366	450	310	211	131
05.Transportation (400-572)	473	378	321	369	318	247	351	236	187	121
06.Wholesale (500-571)	271	210	209	265	214	186	251	167	131	85
07.Retail (580-691)	737	638	548	686	590	513	629	379	274	180
08.Finan/Ins/RealEst (700-7	432	364	323	447	393	341	457	310	246	160
09.Busns/Repair Svcs (721-7	384	341	327	437	407	343	416	257	193	145
10.Personal Services (761-7	299	253	206	265	222	211	246	130	91	57
11.Entertn/Recreatn (800-80	85	69	70	112	87	82	112	70	46	31
12.Prof/Related Svcs (812-8	1672	1427	1236	1597	1477	1272	1654	1117	832	590
13.Public Administration (9	316	262	212	272	249	187	268	192	148	97

Value-----	R8JCINDB	R9JCINDB	R10JCINDB
.M=Missing	64	52	1022
.P=From before W8	3911	21	100
.W=Skip,not working	11814	11321	10707
01.Agric/Forest/Fish/Huntin	107	131	97
02.Mining	9	20	10
03.Utilities	10	62	31
04.Construction	239	311	162
05.Manufacturing (continued	176	615	363
06.Wholesale Trade	95	203	121
07.Retail Trade	293	560	332
08.Transport/Warehousing	91	246	145
09.Information	39	106	63
10.Finance/Insurance	113	257	156
11.Real Estate/Rental/Leasi	162	205	130
12.Prof/Scientific/Tech Svc	226	347	225
13.Mgmnt/Admin/Support/Wast	135	224	129
14.Educational Services	148	601	413
15.Health Care/Social Assis	314	868	524

16.Arts/Entertain/Recreatio	73	131	70
17.Accomodations/Food Svcs	99	249	139
18.Other Svcs/Except PubAdm	306	428	269
19.PubAdmin/Active Duty Mil	45	259	164
Value-----	S8JCINDB	S9JCINDB	S10JCINDB
.M=Missing	37	30	662
.P=From before W8	2838	14	60
.U=Unmar	6417	6206	5700
.V=Sp NR	317	365	431
.W:Skip,not working	6859	6393	5996
01.Agric/Forest/Fish/Huntin	94	108	77
02.Mining	8	17	9
03.Utilities	9	53	23
04.Construction	191	239	121
05.Manufacturing (continued	140	485	290
06.Wholesale Trade	72	161	97
07.Retail Trade	219	403	225
08.Transport/Warehousing	72	190	110
09.Information	32	74	50
10.Finance/Insurance	95	207	128
11.Real Estate/Rental/Leasi	119	154	95
12.Prof/Scientific/Tech Svc	171	259	161
13.Mgmt/Admin/Support/Wast	100	162	97
14.Educational Services	110	429	292
15.Health Care/Social Assis	207	554	339
16.Arts/Entertain/Recreatio	53	94	51
17.Accomodations/Food Svcs	70	156	79
18.Other Svcs/Except PubAdm	204	282	165
19.PubAdmin/Active Duty Mil	35	182	114

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 2000 Census industries used beginning in Wave 8.

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 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 Ahead respondents, R2JCIND and R3JCIND are set to the .Q SAS special missing value, to indicate that no information is available.

Beginning in Wave 8, HRS begins using a different set of industry codes, based on the 2000 Census. Before Wave 8 there are 13 possible industry codes; from Wave 8 forward, there are 19 codes. RwJCINDB begins with R8JCINDB and provides the new code set.

If this question is not asked in Wave 8 because the respondent has not changed jobs or job title, then R8JCINDB is set to .P, for industry taken from prior wave and R8JCIND provides the 1980 Census-based industry. If R8JCINDB is provided but the respondent did not change jobs, s/he may have values for both R8JCIND and R8JCINDB. If the respondent started a new job in Wave 8, then R8JCIND is set to .B, to indicate that the industry code for the current job is taken from Wave 8 when HRS begins to use the 2000 Census industries, which R8JCINDB 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 and RwJCINDB.

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 8, the industry codes are based on those used in the 1980 Census, assigned to one of 13 categories. Beginning in Wave 8, they are based on 2000 Census industries, assigned to one of 19 categories. The industry codes before Wave 8 are not the same as those collected from Wave 8 forward.

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
HRS 2006:	
KJ166M	WORK IN WHAT INDUSTRY-MASKED
HRS 2008:	
LJ166M	WORK IN WHAT INDUSTRY-MASKED
HRS 2010:	
MJ166M	WORK IN WHAT INDUSTRY-MASKED

Years of tenure at longest reported job
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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
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
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
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
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
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

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	14075	19.45	11.53	0.0	71.0
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	8716	19.85	11.57	0.1	71.0
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	15372	0.23	0.57	0.0	10.0
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	9241	0.18	0.54	0.0	10.0
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	15372	0.05	0.28	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	9241	0.02	0.18	0.0	2.0

Categorical Variable Codes

Value-----	R1JLTENF	R2JLTENF	R3JLTENF	R4JLTENF	R5JLTENF	R6JLTENF	R7JLTENF	R8JLTENF	R9JLTENF	R10JLTENF
M	12543									
.Q=Not needed this wave		11420								
0.No w2a info used	68	4146	14654	18760	17429	16423	18745	17420	16400	14839
1.Used b1235, tenure missin	7	3209	2468	1732	1398	1096	853	627	472	304
2.Used b1235, took max	34	867	869	892	752	646	531	422	345	229

Value-----	S1JLTENF	S2JLTENF	S3JLTENF	S4JLTENF	S5JLTENF	S6JLTENF	S7JLTENF	S8JLTENF	S9JLTENF	S10JLTENF
M	9792									
.Q=Not needed this wave		9123								
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	200	418	537	311	220	380	317	365	431
0.No w2a info used	67	2117	10150	12712	11781	10941	12458	11401	10422	9116
1.Used b1235, tenure missin	7	1655	1212	749	548	385	283	182	119	62
2.Used b1235, took max	34	577	553	517	401	313	231	152	105	63

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 R reports the applicable employment status. If any reported job year is before R turned age 15, then it is set to the year R 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 R 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-
 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
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 WORKING 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
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 EMPLOYR-MO
 G3438 G26A.STOP WORK PREV WAVE EMPLOYR-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
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
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
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

Occupation code for job with longest reported tenure

Wave	Variable	Label	Type
1	R1JLOCC	R1JLOCC:W1 Longest Job Occupation	Categ
2	R2JLOCC	R2JLOCC:W2 Longest Job Occupation	Categ
3	R3JLOCC	R3JLOCC:W3 Longest Job Occupation	Categ
4	R4JLOCC	R4JLOCC:W4 Longest Job Occupation	Categ
5	R5JLOCC	R5JLOCC:W5 Longest Job Occupation	Categ
6	R6JLOCC	R6JLOCC:W6 Longest Job Occupation	Categ
7	R7JLOCC	R7JLOCC:W7 Longest Job Occupation	Categ
8	R8JLOCC	R8JLOCC:W8 Longest Job Occupation	Categ
9	R9JLOCC	R9JLOCC:W9 Longest Job Occupation	Categ
10	R10JLOCC	R10JLOCC:W10 Longest Job Occupation	Categ
1	S1JLOCC	S1JLOCC:W1 Longest Job Occupation	Categ
2	S2JLOCC	S2JLOCC:W2 Longest Job Occupation	Categ
3	S3JLOCC	S3JLOCC:W3 Longest Job Occupation	Categ
4	S4JLOCC	S4JLOCC:W4 Longest Job Occupation	Categ
5	S5JLOCC	S5JLOCC:W5 Longest Job Occupation	Categ
6	S6JLOCC	S6JLOCC:W6 Longest Job Occupation	Categ
7	S7JLOCC	S7JLOCC:W7 Longest Job Occupation	Categ
8	S8JLOCC	S8JLOCC:W8 Longest Job Occupation	Categ
9	S9JLOCC	S9JLOCC:W9 Longest Job Occupation	Categ
10	S10JLOCC	S10JLOCC:W10 Longest Job Occupation	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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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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	15312	6.53	5.01	1.0	17.0
R5JLOCC	14363	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	13921	6.29	4.94	1.0	17.0
R10JLOCC	12578	6.22	4.90	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	9076	6.23	5.03	1.0	17.0
S10JLOCC	7891	6.14	5.00	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	974	4.06	2.42	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	241	3.78	2.46	1.0	9.0
R8JLOCCB	2019	13.06	7.24	1.0	25.0
R9JLOCCB	2896	13.28	7.22	1.0	25.0
R10JLOCCB	2405	13.24	7.08	1.0	25.0
S8JLOCCB	1506	12.85	7.49	1.0	25.0
S9JLOCCB	2150	13.04	7.48	1.0	25.0
S10JLOCCB	1732	13.05	7.39	1.0	25.0

Categorical Variable Codes

Value-----	R1JLOCC	R2JLOCC	R3JLOCC	R4JLOCC	R5JLOCC	R6JLOCC	R7JLOCC	R8JLOCC	R9JLOCC	R10JLOCC
.B=From W8,begin Cen2000 co								257	436	581
.M=Missing	1380	4299	3797	3859	3391	2945	2911	2499	2189	1778
.Q=Not asked this wave	41	3666	2939	2213	1825	1458	1155	870	671	435
01.Managerial specialty ope	1574	1640	1550	2138	2035	1967	2233	2076	1949	1765
02.Prof specialty opr/tech	1607	1698	1652	2403	2317	2258	2678	2507	2389	2187

03.Financial Specialists	52	65	52
04.Computer+Math Occs	26	35	27
05.Architecture+Engineering	26	47	35
06.Life/Physical/SocialSci	26	27	27
07.Community+Social Svcs Oc	46	57	46
08.Legal Occups	57	53	49
09.Education/Training/Libra	142	239	201
10.Arts/Design/Entertnmt Oc	40	38	36
11.Hlthcare Practition/Tech	95	142	117
12.Healthcare Support Occs	45	73	61
13.Protective Service Occs	17	39	22
14.Food Prep+Serving Occs	61	91	82
15.Blding/Grounds/Clean/Mai	106	145	136
16.Personal Care+Service Oc	92	124	114
17.Sales Occups	219	286	266
18.Office+Admin Support Occ	282	416	342
19.Farm/Fish/Forestry Occup	12	20	15
20.Construction Trades	86	132	99
21.Extraction Workers	1	2	
22.Install/Maint/Repair Wor	48	95	73
23.Production Occups	134	208	152
24.Transport/Material Movin	97	129	103
25.Military Specific Occups	3	5	5
Value-----	S8JLOCCB	S9JLOCCB	S10JLOCCB
.M=Missing	1506	1297	1171
.P=From before W8	8445	7015	6239
.Q=Not asked this wave	278	184	99
.U=Unmar	6417	6206	5700
.V=Sp NR	317	365	431
01.Management Occupations	230	313	246
02.Business Oper-ns Special	25	43	35
03.Financial Specialists	39	54	44
04.Computer+Math Occs	22	30	22
05.Architecture+Engineering	21	42	30
06.Life/Physical/SocialSci	21	23	22
07.Community+Social Svcs Oc	36	39	29
08.Legal Occups	39	39	31
09.Education/Training/Libra	110	170	138
10.Arts/Design/Entertnmt Oc	29	32	29
11.Hlthcare Practition/Tech	71	102	84
12.Healthcare Support Occs	30	45	35
13.Protective Service Occs	14	23	13
14.Food Prep+Serving Occs	33	55	48
15.Blding/Grounds/Clean/Mai	64	86	71
16.Personal Care+Service Oc	59	80	75
17.Sales Occups	160	211	193
18.Office+Admin Support Occ	194	300	239
19.Farm/Fish/Forestry Occup	10	15	13
20.Construction Trades	74	111	76
21.Extraction Workers	1	1	
22.Install/Maint/Repair Wor	37	77	57
23.Production Occups	105	155	113
24.Transport/Material Movin	79	99	84
25.Military Specific Occups	3	5	5

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 8. 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. 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, R2JLTENF 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 R2JLOCCA 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 8, HRS begins using a different set of occupation codes, based on the 2000 Census. Before Wave 8 there are 17 possible occupation codes; from Wave 8 forward, there are 25 codes. R2JLOCCB begins with R8JLOCCB and provides the new code set.

If the longest-held job is not a job for which occupation is reported in Wave 8, then R8JLOCCB is set to .P, for occupation taken from prior wave and R8JLOCC provides the 1980 Census-based occupation. If the longest tenured job provides an occupation code in Wave 8 and is one that continues from prior wave, the respondent may have values for both R8JLOCC and R8JLOCCB. If the longest tenured job's occupation is only reported in Wave 8, then R8JLOCC is set to .B, to indicate that the occupation code for the longest tenured job is taken from Wave 8 when HRS begins to use the 2000 Census industries, which R8JLOCCB provides. This applies to wave 8 and later.

The spouse variable is taken from the wave 'w' spouse's self-report, i.e., from the spouse's R2JLOCC, R2JLOCCA, and R2JLOCCB.

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 R 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 8, the occupation codes are based on 1980 Census occupations, assigned to one of 17 categories. Beginning in Wave 8, they are based on 2000 Census occupations, assigned to one of 24 categories. The occupation codes before Wave 8 are not the same as those collected from Wave 8 forward.

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
JK010M TYPE WRK DONE - 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:
LJ168M TYPE WORK DONE- MASKED
LK010M TYPE WRK DONE - MASKED
LL015M TYPE WRK DONE - MASKED
HRS 2010:
MJ168M TYPE WORK DONE- MASKED
MK010M TYPE WRK DONE - MASKED
ML015M TYPE WRK DONE - MASKED

Industry code for job with longest tenure
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Wave	Variable	Label	Type
1	R1JLIND	R1JLIND:W1 Longest Job Industry	Categ
2	R2JLIND	R2JLIND:W2 Longest Job Industry	Categ
3	R3JLIND	R3JLIND:W3 Longest Job Industry	Categ
4	R4JLIND	R4JLIND:W4 Longest Job Industry	Categ
5	R5JLIND	R5JLIND:W5 Longest Job Industry	Categ
6	R6JLIND	R6JLIND:W6 Longest Job Industry	Categ
7	R7JLIND	R7JLIND:W7 Longest Job Industry	Categ
8	R8JLIND	R8JLIND:W8 Longest Job Industry	Categ
9	R9JLIND	R9JLIND:W9 Longest Job Industry	Categ
10	R10JLIND	R10JLIND:W10 Longest Job Industry	Categ
1	S1JLIND	S1JLIND:W1 Longest Job Industry	Categ
2	S2JLIND	S2JLIND:W2 Longest Job Industry	Categ
3	S3JLIND	S3JLIND:W3 Longest Job Industry	Categ
4	S4JLIND	S4JLIND:W4 Longest Job Industry	Categ
5	S5JLIND	S5JLIND:W5 Longest Job Industry	Categ
6	S6JLIND	S6JLIND:W6 Longest Job Industry	Categ
7	S7JLIND	S7JLIND:W7 Longest Job Industry	Categ
8	S8JLIND	S8JLIND:W8 Longest Job Industry	Categ
9	S9JLIND	S9JLIND:W9 Longest Job Industry	Categ
10	S10JLIND	S10JLIND:W10 Longest Job Industry	Categ
8	R8JLINDB	R8JLINDB:W8 Long Job Industry/2000 Census	Categ
9	R9JLINDB	R9JLINDB:W9 Long Job Industry/2000 Census	Categ
10	R10JLINDB	R10JLINDB:W10 Long Job Industry/2000 Census	Categ
8	S8JLINDB	S8JLINDB:W8 Long Job Industry/2000 Census	Categ
9	S9JLINDB	S9JLINDB:W9 Long Job Industry/2000 Census	Categ
10	S10JLINDB	S10JLINDB:W10 Long Job Industry/2000 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	15224	7.58	3.77	1.0	13.0
R5JLIND	14286	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	13865	7.78	3.77	1.0	13.0
R10JLIND	12521	7.80	3.76	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	9047	7.59	3.80	1.0	13.0
S10JLIND	7858	7.62	3.80	1.0	13.0

R8JLINDB	830	10.34	5.28	1.0	19.0
R9JLINDB	2855	11.02	5.09	1.0	19.0
R10JLINDB	2359	11.11	5.06	1.0	19.0
S8JLINDB	671	10.07	5.31	1.0	19.0
S9JLINDB	2128	10.71	5.09	1.0	19.0
S10JLINDB	1703	10.71	5.05	1.0	19.0

Categorical Variable Codes

Value-----	R1JLIND	R2JLIND	R3JLIND	R4JLIND	R5JLIND	R6JLIND	R7JLIND	R8JLIND	R9JLIND	R10JLIND
.B=From W8,begin Cen2000 co								243	435	580
.M=Missing	1432	4343	3840	3947	3468	3028	2978	2573	2246	1836
.Q=Not asked this wave	41	3666	2939	2213	1825	1458	1155	870	671	435
01.Agric/Forest/Fish (010-0	349	377	377	503	469	443	503	442	416	375
02.Mining and Constr (040-0	705	710	664	861	803	753	893	808	749	662
03.Mnfg: Non-durable (100-2	1007	999	933	1259	1165	1141	1292	1169	1070	960
04.Mnfg: Durable (230-392)	1417	1450	1384	1878	1731	1646	1854	1713	1583	1398
05.Transportation (400-572)	889	904	881	1134	1048	978	1193	1097	1031	957
06.Wholesale (500-571)	400	406	405	515	480	454	547	506	480	428
07.Retail (580-691)	1379	1400	1332	1852	1730	1582	1798	1662	1565	1385
08.Finan/Ins/RealEst (700-7	628	663	644	901	868	855	996	938	886	825
09.Busns/Repair Svcs (721-7	506	493	485	686	653	638	792	739	689	631
10.Personal Services (761-7	534	585	588	777	717	704	811	733	674	607
11.Entertn/Recreatn (800-80	126	133	133	196	188	183	212	193	181	160
12.Prof/Related Svcs (812-8	2560	2811	2736	3775	3596	3491	4130	3899	3676	3378
13.Public Administration (9	679	702	650	887	838	811	975	884	865	755

Value-----	S1JLIND	S2JLIND	S3JLIND	S4JLIND	S5JLIND	S6JLIND	S7JLIND	S8JLIND	S9JLIND	S10JLIND
.B=From W8,begin Cen2000 co								217	354	444
.M=Missing	1066	2358	2068	2078	1776	1518	1506	1269	1061	840
.Q=Not asked this wave	41	1962	1517	1035	783	575	426	278	184	99
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
01.Agric/Forest/Fish (010-0	292	305	301	384	355	330	366	315	289	248
02.Mining and Constr (040-0	592	585	544	678	640	584	684	624	555	472
03.Mnfg: Non-durable (100-2	797	765	709	926	847	806	905	804	713	614
04.Mnfg: Durable (230-392)	1169	1169	1094	1421	1289	1220	1356	1237	1101	945
05.Transportation (400-572)	730	718	680	844	790	727	878	794	737	651
06.Wholesale (500-571)	326	328	327	408	375	348	414	375	339	297
07.Retail (580-691)	1100	1049	986	1287	1198	1093	1222	1089	980	825
08.Finan/Ins/RealEst (700-7	491	504	481	652	614	588	675	621	588	525
09.Busns/Repair Svcs (721-7	381	353	349	487	470	455	550	498	450	406
10.Personal Services (761-7	358	347	343	419	395	378	428	374	321	272
11.Entertn/Recreatn (800-80	89	85	83	119	114	111	133	120	104	86
12.Prof/Related Svcs (812-8	1923	2010	1936	2598	2474	2329	2756	2526	2302	2027
13.Public Administration (9	545	550	497	642	610	577	673	594	568	490

Value-----	R8JLINDB	R9JLINDB	R10JLINDB
.M=Missing	2860	2546	2254
.P=From before W8	13909	11145	10324
.Q=Not asked this wave	870	671	435
01.Agric/Forest/Fish/Huntin	46	68	62
02.Mining	5	13	12
03.Utilities	1	43	24
04.Construction	92	163	138
05.Manufacturing (continued	66	356	264
06.Wholesale Trade	33	96	77
07.Retail Trade	80	239	211
08.Transport/Warehousing	29	121	96
09.Information	8	55	39
10.Finance/Insurance	34	123	97
11.Real Estate/Rental/Leasi	49	76	71
12.Prof/Scientific/Tech Svc	87	165	149
13.Mgmnt/Admin/Support/Wast	36	75	74
14.Educational Services	25	335	280
15.Health Care/Social Assis	70	415	332
16.Arts/Entertain/Recreatio	24	48	42
17.Accomodations/Food Svcs	26	110	96

18.Other Svcs/Except PubAdm	112	201	184
19.PubAdmin/Active Duty Mil	7	153	111
Value-----	S8JLINDB	S9JLINDB	S10JLINDB
.M=Missing	1507	1298	1171
.P=From before W8	9279	7036	6268
.Q=Not asked this wave	278	184	99
.U=Unmar	6417	6206	5700
.V=Sp NR	317	365	431
01.Agric/Forest/Fish/Huntin	42	57	52
02.Mining	5	10	9
03.Utilities	1	38	19
04.Construction	79	132	107
05.Manufacturing (continued	59	282	212
06.Wholesale Trade	28	76	64
07.Retail Trade	61	173	146
08.Transport/Warehousing	22	96	77
09.Information	7	42	33
10.Finance/Insurance	30	99	81
11.Real Estate/Rental/Leasi	36	60	47
12.Prof/Scientific/Tech Svc	68	134	114
13.Mgmnt/Admin/Support/Wast	28	52	50
14.Educational Services	22	248	196
15.Health Care/Social Assis	56	277	221
16.Arts/Entertain/Recreatio	19	38	31
17.Accomodations/Food Svcs	19	73	60
18.Other Svcs/Except PubAdm	83	135	109
19.PubAdmin/Active Duty Mil	6	106	75

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.

Beginning in Wave 8, HRS begins using a different set of industry codes, based on the 2000 Census. Before Wave 8 there are 13 possible industry codes; from Wave 8 forward, there are 19 codes. RwJLINDB begins with R8JLINDB and provides the new code set.

If the longest tenured job is not a job for which industry is reported in Wave 8, then R8JLINDB is set to .P, for industry taken from prior wave and R8JLIND provides the 1980 Census-based industry. If the longest tenured job provides an industry code in Wave 8 and is one that continues from prior wave, the respondent may have values for both R8JLIND and R8JLINDB. If the longest tenured job's industry is only reported in Wave 8, then R8JLIND is set to .B, to indicate that the industry code for the longest tenured job is taken from Wave 8 when HRS begins to use the 2000 Census industries, which R8JLINDB provides. This applies to wave 8 and later.

The spouse variable is taken from the wave 'w' spouse's self-report, i.e., from the spouse's RwJLIND and RwJLINDB.

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 R 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 8, the industry codes are based on those used in the 1980 Census, assigned to one of 13 categories. Beginning in Wave 8, they are based on 2000 Census industries, assigned to one of 19 categories. The industry codes before Wave 8 are not the same as those collected from Wave 8 forward.

HRS Variables Used

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
HK006M INDUSTRY - MASKED
HL013M INDUSTRY - MASKED
HRS 2004:
JJ166M WORK IN WHAT INDUSTRY - MASKED
JK008M INDUSTRY - MASKED
JL013M INDUSTRY - MASKED
HRS 2006:
KJ166M WORK IN WHAT INDUSTRY-MASKED
KK008M INDUSTRY - MASKED
KL013M INDUSTRY - MASKED
HRS 2008:
LJ166M WORK IN WHAT INDUSTRY-MASKED
LK008M INDUSTRY - MASKED
LL013M INDUSTRY - MASKED
HRS 2010:
MJ166M WORK IN WHAT INDUSTRY-MASKED
MK008M INDUSTRY - MASKED
ML013M 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
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
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
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
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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JJOB5	12652	2.09	1.36	0.0	9.0
R2JJOB5	19642	2.46	1.98	0.0	9.0
R3JJOB5	17991	2.44	1.94	0.0	9.0
R4JJOB5	21384	2.35	1.79	0.0	9.0
R5JJOB5	19579	2.36	1.79	0.0	9.0
R6JJOB5	18165	2.35	1.76	0.0	9.0
R7JJOB5	20129	2.27	1.64	0.0	9.0
R8JJOB5	18469	2.26	1.60	0.0	9.0
R9JJOB5	17217	2.24	1.55	0.0	9.0
R10JJOB5	15372	2.21	1.49	0.0	9.0
S1JJOB5	9900	2.08	1.31	0.0	9.0
S2JJOB5	13088	2.34	1.75	0.0	9.0
S3JJOB5	11915	2.35	1.75	0.0	9.0
S4JJOB5	13978	2.29	1.63	0.0	9.0
S5JJOB5	12730	2.29	1.62	0.0	9.0
S6JJOB5	11639	2.28	1.59	0.0	9.0
S7JJOB5	12972	2.20	1.45	0.0	9.0
S8JJOB5	11735	2.19	1.42	0.0	9.0
S9JJOB5	10646	2.18	1.37	0.0	9.0
S10JJOB5	9241	2.15	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	15372	2.38	1.63	0.0	11.0
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	9241	2.49	1.63	0.0	11.0
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	14163	0.42	0.84	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	8759	0.40	0.82	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	15372	1.62	1.26	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	9241	1.73	1.25	0.0	8.0

Categorical Variable Codes

Value-----	R1JJOB	R2JJOB	R3JJOB	R4JJOB	R5JJOB	R6JJOB	R7JJOB	R8JJOB	R9JJOB	R10JJOB
0.Never worked	496	863	807	1030	872	757	811	705	637	540
1.Worked, no 5+ year jobs	1237	1022	862	1091	982	890	1231	1059	975	827
2.Worked, 1+ job for 5+ yrs	10365	15919	14686	17552	16152	15101	16760	15536	14580	13160
8.Worked, DK if any 5+ yr j	541	1015	998	1356	1238	1127	1075	972	865	727
9.DK if worked	13	823	638	355	335	290	252	197	160	118

Value-----	S1JJOB	S2JJOB	S3JJOB	S4JJOB	S5JJOB	S6JJOB	S7JJOB	S8JJOB	S9JJOB	S10JJOB
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.Never worked	353	477	415	494	410	347	380	328	279	233
1.Worked, no 5+ year jobs	924	728	596	747	667	599	800	677	607	484
2.Worked, 1+ job for 5+ yrs	8214	10925	10010	11801	10812	9949	11109	10137	9263	8138
8.Worked, DK if any 5+ yr j	405	627	613	787	711	630	600	534	450	356
9.DK if worked	4	331	281	149	130	114	83	59	47	30

How Constructed:

RwJJOB gives the status of the respondent's job history including jobs reported as current at interviews. RwJNJOB 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; this includes those reported in job history and through job transition questions.

SwJJOB, SwJNJOB, SwJMISS, and SwJNJOB5 are this information for the respondent's spouse or partner.

RwJJOB 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.

RwJNJOB 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., S3JJOB is taken from the Wave 3 spouse's RwJJOB.

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 R 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

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-
 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
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
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 EMPLOYR-MO
G3438	G26A.STOP WORK PREV WAVE EMPLOYR-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
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
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
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

Total years worked from self report
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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
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
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
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

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JYEARS	12652	27.61	13.45	0.0	65.0
R2JYEARS	19642	27.44	15.84	0.0	75.0
R3JYEARS	17991	29.04	16.09	0.0	76.0
R4JYEARS	21384	30.28	15.91	0.0	78.0
R5JYEARS	19579	30.99	16.08	0.0	78.0
R6JYEARS	18165	31.83	16.13	0.0	78.0
R7JYEARS	20129	31.50	15.71	0.0	77.0

R8YEARS	18469	32.44	15.80	0.0	79.0
R9YEARS	17217	33.20	15.86	0.0	81.0
R10YEARS	15372	34.03	15.89	0.0	83.0
S1YEARS	9900	28.21	13.38	0.0	65.0
S2YEARS	13088	29.09	15.18	0.0	70.0
S3YEARS	11915	30.64	15.42	0.0	72.0
S4YEARS	13978	31.62	15.18	0.0	74.0
S5YEARS	12730	32.49	15.28	0.0	74.0
S6YEARS	11639	33.45	15.33	0.0	76.0
S7YEARS	12972	32.98	14.91	0.0	76.0
S8YEARS	11735	33.87	14.99	0.0	75.0
S9YEARS	10646	34.85	15.02	0.0	76.0
S10YEARS	9241	35.68	15.07	0.0	75.0
R1YEARM	12652	0.45	0.82	0.0	6.0
R2YEARM	19642	1.20	1.66	0.0	6.0
R3YEARM	17991	1.11	1.61	0.0	6.0
R4YEARM	21384	0.89	1.41	0.0	6.0
R5YEARM	19579	0.87	1.37	0.0	6.0
R6YEARM	18165	0.82	1.32	0.0	6.0
R7YEARM	20129	0.77	1.22	0.0	6.0
R8YEARM	18469	0.73	1.17	0.0	6.0
R9YEARM	17217	0.70	1.12	0.0	6.0
R10YEARM	15372	0.67	1.07	0.0	6.0
S1YEARM	9900	0.44	0.81	0.0	6.0
S2YEARM	13088	1.01	1.54	0.0	6.0
S3YEARM	11915	0.91	1.46	0.0	6.0
S4YEARM	13978	0.73	1.26	0.0	6.0
S5YEARM	12730	0.70	1.20	0.0	6.0
S6YEARM	11639	0.66	1.14	0.0	6.0
S7YEARM	12972	0.63	1.05	0.0	6.0
S8YEARM	11735	0.61	1.01	0.0	6.0
S9YEARM	10646	0.59	0.97	0.0	6.0
S10YEARM	9241	0.58	0.94	0.0	6.0

Categorical Variable Codes

Value-----	R1YEARM	R2YEARM	R3YEARM	R4YEARM	R5YEARM	R6YEARM	R7YEARM	R8YEARM	R9YEARM	R10YEARM
0.No date missing	9387	11430	10836	13661	12539	11740	12937	12003	11274	10114
1.At least 1 job date missi	991	1052	983	1279	1233	1207	1699	1611	1537	1413
2.Early years worked missin	2146	3444	3271	4355	4031	3763	4230	3841	3569	3233
3.Early yrs/1+ job dt missi	117	165	152	204	183	161	227	218	215	198
4.No job hist,w2a used		2909	2139	1286	1127	919	746	577	452	295
5.w2a>jobhist,w2a used	3	296	281	260	205	167	130	94	79	56
6.Job dt=.,w2a gt jobhist,w	8	346	329	339	261	208	160	125	91	63
Value-----	S1YEARM	S2YEARM	S3YEARM	S4YEARM	S5YEARM	S6YEARM	S7YEARM	S8YEARM	S9YEARM	S10YEARM
.U=Unmar	2373	5970	5658	6869	6538	6306	6777	6417	6206	5700
.V=Sp NR	379	584	418	537	311	220	380	317	365	431
0.No date missing	7386	8166	7694	9482	8683	7957	8761	7951	7258	6250
1.At least 1 job date missi	794	832	752	946	910	875	1203	1125	1055	944
2.Early years worked missin	1628	2172	2045	2608	2393	2242	2512	2278	2045	1839
3.Early yrs/1+ job dt missi	81	109	92	123	105	96	148	144	130	116
4.No job hist,w2a used		1458	1030	555	446	331	251	171	112	60
5.w2a>jobhist,w2a used	3	183	158	127	89	62	42	28	19	15
6.Job dt=.,w2a gt jobhist,w	8	168	144	137	104	76	55	38	27	17

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 W2A direct question was used. Years worked counts any part of a year as a whole year.

Spouse variables are taken from R'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 R 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 R responds, a question is added that asks when the respondent first worked for 6 months or more. Follow-up questions ask how many years R 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

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?
 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

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 WORKING 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
 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 EMPLOYR-MO
 G3438 G26A.STOP WORK PREV WAVE EMPLOYR-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
 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
 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
 HL129 YR OF FIRST JOB
 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:
 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
 JL067 YR OF FIRST JOB
 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
 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
 KL067 YR OF FIRST JOB

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
LL067 YR OF FIRST JOB
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
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
ML067 YR OF FIRST JOB
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

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
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
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
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

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	7407	6.52	3.48	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	4497	6.57	3.51	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	9611	1997.71	10.95	1935.0	2011.0
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	5444	1999.06	9.98	1941.0	2011.0

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 R 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 R 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 R 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 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 R reports the applicable employment status.

If R is working then RwJLASTM and RwJLASTY are set to a .W missing code. If R 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 R 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

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
 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

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
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
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

Appendix A, Version L

Section A: Demographics

ID Adjustments

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.

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: Health

Additions/Corrections to Health Conditions Code

WAVE

<u>Description</u>	<u>1992/93</u>	<u>1994/95</u>	<u>1996</u>	<u>1998</u>	<u>2000</u>	<u>2002</u>	<u>2004</u>	<u>2006</u>
RwCONDSF is the number of conditions that changed due to disputes. (SINCE)	1	~50	~300	~470	~570	~580	~600	~600
RwCONDEF is the number of conditions that changed due to disputes. (EVER)		~2	~3	~1400	~2000	~2700	~2800	~3000

Sections C and D: 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).

New Sources of Income/Wealth

	<u>WAVE</u>								
<u>Description</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
Value of second home and any associated mortgages/loans are now included in Wave 1, Wave 2H, and from Wave 4 forward.	X (Ver G)	Second home was treated as part of real estate investments.	X (Ver G)	Due to a skip pattern only households that reported living in a 2nd residence for at least two months were asked about ownership of 2nd homes.		X (Ver F)	X (Ver F)	X (Ver F)	X (Ver F)

Additions/Corrections to Imputations

Specific Corrections: Social Security

	<u>WAVE</u>								
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
We added logic to check that cases who report receiving SS Disability are >66 years old at interview. For these cases, we override SDI, and assign them to have SS retirement income.	X (Ver G) # Affected: Resps: R1OSDI R1OSS: 9 Spouses: S1OSDI S1OSS: 11	To be examined further next release	X (Ver G) # Affected: Resps: R2OSDI R2OSS: 7 Spouses: S2OSDI S2OSS: 7	To be examined further next release	X (Ver G) # Affected: Resps: R3OSDI R3OSS: 17 Spouses: S3OSDI S3OSS: 9	X (Ver G) # Affected: Resps: R4OSDI R4OSS: 235 Spouses: S4OSDI S4OSS: 68	X (Ver G) # Affected: Resps: R5OSDI R5OSS: 96 Spouses: S5OSDI S5OSS: 29	X (Ver G) # Affected: Resps: R6OSDI R6OSS: 140 Spouses: S6OSDI S6OSS: 48	X (Ver G) # Affected: Resps: R7OSDI R7OSS: 74 Spouses: S7OSDI S7OSS: 16
If a person is imputed to own both SS and SDI, we added a check for the age at the time of the interview. If >66, we keep just the SS, and if <=66, we keep just the SDI.	X (Ver G) # Affected: Resps: R1OSDI R1OSS: 1 Spouses: S1OSDI S1OSS: 2	X (Ver G) # Affected: Resps: R2OSDI R2OSS: 2 Spouses: S2OSDI S2OSS: 1	X (Ver G) # Affected: Resps: R2OSDI R2OSS: 1 Spouses: S2OSDI S2OSS: 1	X (Ver G) # Affected: None	X (Ver G) # Affected: None	X (Ver G) # Affected: Spouses: S4OSDI S4OSS: 1	X (Ver G) # Affected: Resps: R5OSDI R5OSS: 1	X (Ver G) # Affected: Resps: R6OSDI R6OSS: 1	X (Ver G) # Affected: Spouses: S7OSDI S7OSS: 1

Specific Corrections (Continued): Social Security

ISSUE	WAVE								
	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>To determine SSDI ownership, we first derive two flags using items from the Employment section, which in turn are used with the items from the Assets and Income section to determine ownership. We made some modifications to the logic and identified some additional questions that set these flags with a greater degree of accuracy.</p>	<p><u>Not an issue</u> (Ver F) We have a question that asks about the type of SS income in these waves.</p>				<p>To be examined further next release</p>	<p>X (Ver G) <u># Affected:</u> Resps: R4OSDI R4OSS: 343 Spouses: S4OSDI S4OSS: 126</p>	<p>X (Ver G) <u># Affected:</u> Resps: R5OSDI R5OSS: 7 Spouses: S5OSDI S5OSS: 16</p>	<p>X (Ver G) <u># Affected:</u> Resps: R6OSDI R6OSS: 23 Spouses: S6OSDI S6OSS: 19</p>	<p>X (Ver G) <u># Affected:</u> Resps: R7OSDI R7OSS: 20 Spouses: S7OSDI S7OSS: 7</p>

Specific Corrections: Primary Residence

	<u>WAVE</u>								
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>The value of the primary residence (HWAHOUS) was not properly calculated, due to an error made when assigning ownership of a primary residence, that is - we were not capturing mobile home owners.</p>				<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHs: 271</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHs: 375</p>				
<p>In earlier waves, HRS imputed many variables. We made a decision not to use these imputations, and "undo" them in our imputation process. For the value of the primary residence, we inadvertently used the HRS imputation.</p>			<p style="text-align: center;"><u>X</u> (Ver G) # Affected: HHs: 113</p>						

Specific Corrections (Continued): Primary Residence

	WAVE									
ISSUE	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>	<u>HRS06</u>
<p>To determine ownership of both a primary (HwAOHOUS) and secondary (HwAOHOUB) home, 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. We found a discrepancy between what was reported on these questions, and what was listed on the tracker file, that is - these individuals said that they were in a nursing home, but the tracker file said they were not. Therefore, we considered the information from tracker to be most accurate.</p>							<p>X (Ver G) <u>#</u> <u>Affected:</u> HHS: 7</p>	<p>X (Ver G) <u>#</u> <u>Affected:</u> HHS: 24</p>	<p>X (Ver G) <u>#</u> <u>Affected:</u> HHS: 38</p>	<p>X (Ver I) <u>#</u> <u>Affected:</u> HHS: 4</p>

Specific Corrections: Mortgages

	<u>WAVE</u>								
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>Mortgages for mobile home owners (<u>IwAOMORT1</u>, <u>IwAOMORT2</u>) were not properly assigned. There are cases where a mobile home owner reports a first and/or second mortgage in the raw data that we had inadvertently treated as having no mortgage.</p>				<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHs: 27</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHs: 110</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHs: 166</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHs: 149</p>		

Specific Corrections: Equity Lines of Credit & Home Loans

	<u>WAVE</u>								
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>Ownership of an equity line of credit was only taking into account the question that asks whether respondents have a loan against their equity line of credit, rather than also considering the introductory item that asks whether the person has an equity line of credit. The effect of this was to flag more cases as "no asset", rather than "DK ownership".</p>	<p>Not an issue (Ver G) There is an introductory item, but there are no values of DK or RF.</p>	<p>Not an issue (Ver G) There does not appear to be any items about whether the respondent or partner has a home equity line of credit.</p>	<p style="text-align: center;"><u>X</u> (Ver G) # Affected: HHS: I2AFEQCD:43</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHS: I3AFEQCD:75</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHS: I3AFEQCD:69</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHS: I4AFEQCD:46</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHS: I5AFEQCD:141</p>	<p style="text-align: center;"><u>X</u> (Ver F) # Affected: HHS: I6AFEQCD:146</p>	

Specific Corrections: IRAs

	<u>WAVE</u>								
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>Ownership for the second and third IRAs was set up so that fewer cases were flagged as "DK ownership". This was due to the fact that ownership was based only on the question asking about the number of IRAs, rather than also taking the introductory item into account.</p>	<p>Not an issue (Ver G) In these waves, we have only one question that asks about ALL IRAs.</p>			<p><u>X</u> (Ver F) NOTE: In this wave, roughly 4,300 HHs were being set to "DK ownership" rather than "no income" for both the second and third IRAs. Thus, both this correction and the one described here were made at the same time.</p>	<p><u>X</u> (Ver F) NOTE: In this wave, roughly 3,974 HHs were being set to "DK ownership" rather than "no income" for both the second and third IRAs. Thus, both this correction and the one described here were made at the same time.</p>	<p><u>X</u> (Ver F) # Affected: HHs: I4AFIRA2 I4AFIRA3:236</p>	<p><u>X</u> (Ver F) # Affected: HHs: I5AFIRA2 I5AFIRA3:215</p>	<p><u>X</u> (Ver F) # Affected: None</p>	

Specific Corrections: Pensions & Annuities

	<u>WAVE</u>								
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>To determine ownership for the first pension and annuity, we examine the question that specifies who received the income. A value of "1" is for the respondent, a "2" for the spouse, and a "3" for both. We did not take into account the fact that this item was skipped by people who indicated a marital status of divorced/separated, widowed, or never married in an earlier section of the questionnaire, the affect of which was to flag these cases as "no income".</p>				<p>This issue appears to be unique to this wave only.</p> <p>(Ver F)</p> <p># Affected:</p> <p>Resps:</p> <p>R3FPEN1: 1,079</p> <p>R3FANN1: 16</p> <p>Spouses:</p> <p>S3FPEN1: 3</p> <p>S3FANN1: 0</p>					

Specific Corrections (Continued): Pensions & Annuities

<u>WAVE</u>									
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>Ownership for the second pension and annuity was based on the question about whether they receive income from more than one pension, while ownership for the third pension and annuity used the item about the number received. We changed the logic for second pension and annuity to be the same as that for third pension and annuity. The primary effect is that fewer cases are now set to "DK ownership". We also added an additional criterion that takes the introductory item (whether received a pension/annuity) into account, the primary effect of which is set more cases to "DK ownership" (e.g., INFRPEN2 = 7).</p>	<p>Not an issue (Ver G) We do not have the same concerns here as in other waves, due to the way the questions were asked.</p>		<p>X (Ver G) # Affected: Resps: R2FPEN2: 11 R2FANN2: 21 R2FPEN3: 11 R2FANN3: 21 Spouses: S2FPEN2: 8 S2FANN2: 18 S2FPEN3: 8 S2FANN3: 18 NOTE: In this wave, the more significant correction was changing the manner in which the introductory item (whether received a pension/annuity) was handled.</p>	<p>X (Ver G) # Affected: Resps: R3FPEN2: 42 R3FANN2: 70 R3FPEN3: 48 R3FANN3: 74 Spouses: S3FPEN2: 8 S3FANN2: 20 S3FPEN3: 12 S3FANN3: 21</p>	<p>X (Ver G) # Affected: Resps: R3FPEN2: 81 R3FANN2: 48 R3FPEN3: 35 R3FANN3: 49 Spouses: S3FPEN2: 18 S3FANN2: 26 S3FPEN3: 22 S3FANN3: 28</p>				<p>Not an issue (Ver F) The logic for second pension and annuity is already the same as that for the third pension and annuity.</p>

Specific Corrections: Transportation

	WAVE								
ISSUE	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>For transportation assets (i.e., value of cars, trucks, trailers, motor homes, boats, or airplanes), ownership (HwAOTRAN) is based solely upon whether a value is provided, as there is no direct question about ownership. This asset was being coded so that no cases were defined as "DK ownership". Therefore, we changed the logic to also look at the brackets. Those who did not provide a bracket response were set to "DK ownership".</p>	<p>X (Ver G) # <u>Affected:</u> HHs: 147</p>	<p>X (Ver G) # <u>Affected:</u> HHs: 111</p>	<p>X (Ver G) # <u>Affected:</u> HHs: 56</p>						

Additions/Corrections to Imputations

General Corrections: "Who" Owns

	<u>WAVE</u>								
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>We have introduced logic that takes into account "who" reported receiving income from SSI and welfare, which are components of individual income from SS, and from other government transfers, respectively. 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 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.</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p>NOTE: In this wave, though we do employ the correction for welfare, SSI appears already to be generated separately for R and Sp.</p> <p># Affected: H1CPL = 1:</p> <p>Resps: R1IGXFR: 47</p> <p>Spouses: S1IGXFR: 47</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p>NOTE: In this wave, the "who" corrections we would apply to SSI and welfare do not seem relevant, since there is no "who" question for SSI, and no direct question about income from welfare.</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p>NOTE: In this wave, the "who" corrections do not seem to apply, since these types of income are already generated separately for R and Sp.</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p>NOTE: In this wave, though we do employ the correction for welfare, there does not seem to be a "who" question for SSI.</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p># Affected: H3CPL = 1:</p> <p>Resps: R3ISSDI:114 R3IGXFR: 20</p> <p>Spouses: S3ISSDI:113 S3IGXFR: 20</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p># Affected: H4CPL = 1:</p> <p>Resps: R4ISSDI:157 R4IGXFR: 34</p> <p>Spouses: S4ISSDI:157 S4IGXFR: 34</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p># Affected: H5CPL = 1:</p> <p>Resps: R5ISSDI:130 R5IGXFR: 18</p> <p>Spouses: S5ISSDI:134 S5IGXFR: 18</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p># Affected: H6CPL = 1:</p> <p>Resps: R6ISSDI:89 R6IGXFR:12</p> <p>Spouses: S6ISSDI:89 S6IGXFR:12</p>	<p style="text-align: center;"><u>X</u> (Ver F)</p> <p># Affected: No changes, since this is a new wave.</p>

General Corrections (Continued): "Who" Owns

	<u>WAVE</u>									
<u>ISSUE</u>	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>	
<p>Ownership for types of income that use the "who owns it" variables was coded so that some cases who had missing values on the ownership question were being defined as "no income", rather than "DK ownership".</p>		<p>Not an issue (Ver G)</p> <p>The logic was coded appropriately.</p> <p>(NOTE: In HRS 1994, there are no "who owns it" questions, but separate sequences of questions for the respondent and spouse)</p>		<p><u>X</u> (Ver F)</p> <p># Affected:</p> <p>Resps: R3FVET: 19</p> <p>Spouses: S3FVET: 4</p>	<p><u>X</u> (Ver F)</p> <p># Affected:</p> <p>Resps: R3FUNEM: 19 R3FWCMP: 19 R3FSDI: 9 R3FSS: 15 R3FVET: 15 R3FPEN1: 16 R3FANN1: 17</p> <p>Spouses: S3FUNEM: 6 S3FWCMP: 6 S3FSDI: 2 S3FSS: 4 S3FVET: 3 S3FPEN1: 4 S3FANN1: 5</p> <p>NOTE: For unemployment and workers compensation, we added some additional logic that sets cases to "no ownership" if they did not work in the past year. This code does not change the prior results.</p>					

General Corrections: “About” Values

ISSUE	WAVE			
	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>In programs that run prior to those for the income imputations, we assign “about” responders an actual amount. For example, a person may not indicate an amount, but when asked to give a minimum and maximum value, they say \$5,000 to both. In this case, we replace the missing amount with the \$5,000 value. The routine that performs this function (%MINFILLC) was not set up correctly in 2002. This, in turn, resulted in the process not being done uniformly for the relevant types of income. Specifically, though the values themselves were set correctly, the flag that identifies “about” responders was not set appropriately, resulting in these cases not being put into the donor pool for imputing improper brackets.</p> <p><u>Note:</u> There is no flag in the datasets we provide that identifies “about” responders. Therefore, we simply provide the imputation flag name as a way of showing the number of cases that were affected.</p>			<p>X</p> <p>(Ver F)</p> <p># Affected:</p> <p>Resps:</p> <p>R6FSEMP: 16</p> <p>R6FSS: 116</p> <p>R6FSDI: 8</p> <p>R6FVET: 6</p> <p>R6FPEN1: 58</p> <p>R6FPEN2: 3</p> <p>R6FANN1: 16</p> <p>R6FANN2: 5</p> <p>R6FANN3: 2</p> <p>Spouses:</p> <p>S6FSEMP: 1</p> <p>S6FSS: 57</p> <p>S6FSDI: 5</p> <p>S6FPEN1: 14</p> <p>S6FPEN2: 1</p> <p>S6FANN1: 3</p> <p>S6FANN2: 1</p> <p>HHs:</p> <p>H6FSSI: 13</p> <p>H6FOTHI1: 4</p> <p>H6FRNTIN: 5</p>	

General Corrections (Continued): “About” Values

	WAVE			
ISSUE	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>We were processing “about” responses in such a way that some of the “about” flags, amounts, and associated bracket ranges were incorrect. Specifically, the cases in question were wrongly flagged as “about” responders, and thus were in the donor pool for assigning a bracket to improper bracketers.</p> <p><u>Note:</u> There is no flag in the datasets we provide that identifies “about” responders, nor do we provide the bracket range variables. Therefore, we simply provide the amount flag name as a way of showing the number of cases that were affected.</p>	<p>This was an issue for wealth only.</p> <p>(Ver F)</p> <p><u># Affected:</u></p> <p>HHs:</p> <p>I4AMRT1: 32</p> <p>I4AMRT2: 1</p> <p>H4AOTHR: 2</p> <p>H4ADEBT: 2</p>			

General Corrections: Imputation Flags (“No Financial Respondent”)

	WAVE								
ISSUE	<u>HRS92</u>	<u>AHEAD93</u>	<u>HRS94</u>	<u>AHEAD95</u>	<u>HRS96</u>	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>The number of households who are flagged as having “no financial respondent” (e.g., INFHOUSE = 9) depends not only on whether a financial respondent is present, but also if any questions in a particular section have been answered. In wealth, we determine ownership using questions in both the housing, and income/assets sections. For income, beginning in 2002, we use items from the employment section to determine whether a person is receiving social security. So, the number of households identified as having no financial respondent may vary.</p>	<p>To be examined further next release</p>		<p><u>Not an Issue</u> (Ver F) All of the relevant cases appear to be classified appropriately.</p>	<p>X (Ver F) This was an issue for wealth only. <u># Affected:</u> For wealth, there are now 9 fewer HHs with “no financial respondent”. This is only true for those assets that come from the Housing section of the survey.</p>	<p><u>Not an Issue</u> (Ver F) All of the relevant cases appear to be classified appropriately.</p>	<p>X (Ver F) This was an issue for wealth only. <u># Affected:</u> No changes in this wave.</p>	<p>X (Ver F) This was an issue for wealth only. <u># Affected:</u> For wealth, there is now one more HH with “no financial respondent” in MORT1, MORT2, and EQLON.</p>	<p>X (Ver F) This was an issue for both wealth and income. <u># Affected:</u> For wealth, there are now 4 more HHs with “no financial respondent”. This is only true for those assets that come from the Income and Assets section of the survey. For income, there are 4 fewer Resps with “no financial respondent on SSDI, and 1 fewer for Spouses.</p>	<p>X (Ver F) This was an issue for both wealth and income. <u># Affected:</u> No changes, since this is a new wave.</p>

General Corrections: Bracket Imputations

ISSUE	WAVE			
	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
<p>As part of the imputation process, one type of responder we identify is referred to as an "incomplete" bracketer. These are cases that enter into a bracket sequence of questions (e.g., \$0-2,500; \$2,500-25,000; \$25,000-125,000; \$125,000-400,000; \$400,000 or more), but respond to the questions in such a way that only a broad range of values is provided (e.g., \$25,000-400,000). In such cases, we first impute a complete bracket in the given range, and then impute an actual amount. From Wave 4 forward, we were inadvertently imputing the lowest complete bracket in cases where the incomplete bracket provided was between zero and the given amount. For example, using the bracket ranges indicated above, an incomplete bracket of \$0-125,000 was always imputed to \$0-2,500. This affected both the income and wealth imputation amounts.</p>	<p>X (Ver F) # Affected: Income: Resps: IR4SEMP: 5 IR4WAGE: 15 IR4SDI: 4 IR4SS: 69 IR4VET: 4 IR4PEN1: 22 IR4PEN2: 2 IR4ANN1: 10 IR4ANN2: 5 Spouses: IS4SEMP: 3 IS4WAGE: 11 IS4SDI: 3 IS4SS: 21 IS4VET: 2 IS4PEN1: 7 IS4PEN2: 1 IS4ANN1: 1</p>	<p>X (Ver F) # Affected: Income: Resps: IR5SEMP: 6 IR5WAGE: 13 IR5BON: 2 IR5SS: 30 IR5VET: 3 IR5PEN1: 15 IR5PEN2: 2 IR5ANN1: 5 IR5ANN2: 1 Spouses: IS5SEMP: 6 IS5WAGE: 14 IS5BON: 2 IS5SS: 10 IS5VET: 1 IS5PEN1: 12 IS5PEN2: 2</p>	<p>X (Ver F) # Affected: Income: Resps: IR6SEMP: 3 IR6WAGE: 10 IR6BON: 1 IR62ND: 1 IR6SS: 30 IR6PEN1: 15 IR6PEN2: 3 IR6ANN1: 6 IR6WCMP: 2 Spouses: IS6SEMP: 4 IS6WAGE: 7 IS6TRAD: 2 IS6BON: 1 IS6SDI: 1 IS6SS: 13 IS6VET: 2 IS6PEN1: 4 IS6WCMP: 1</p>	

General Corrections (Continued): **Bracket Imputations**

ISSUE	WAVE			
	<u>HRS98</u>	<u>HRS00</u>	<u>HRS02</u>	<u>HRS04</u>
	Income : HHs : IH4SSI : 5 IH4RNTIN : 4 IH4BUSIN : 4 IH4DIVIN : 23 IH4BNDIN : 5 IH4CHKIN : 80 IH4CDIN : 18 Wealth : I4AHOU1 : 25 I4AMOBL : 1 I4AMRT1 : 8 I4AIRA1 : 11 I4AIRA2 : 12 I4AIRA3 : 4 H4ARLES : 20 H4ABSNS : 1 H4ASTCK : 43 H4ABOND : 8 H4ACHCK : 125 H4ACD : 20 H4ATRAN : 57 H4AOTHR : 11 H4ADEBT : 9	Income : HHs : IH5SSI : 2 IH5RNTIN : 6 IH5BUSIN : 5 IH5DIVIN : 34 IH5BNDIN : 7 IH5CHKIN : 77 IH5CDIN : 27 Wealth : I5AHOU1 : 24 I5AMOBL : 1 I5AMRT1 : 7 I5AIRA1 : 36 I5AIRA2 : 22 I5AIRA3 : 7 H5ARLES : 16 H5ABSNS : 10 H5ASTCK : 37 H5ABOND : 8 H5ACHCK : 105 H5ACD : 19 H5ATRAN : 52 H5AOTHR : 8 H5ADEBT : 12	Income : HHs : IH6SSI : 6 IH6FOOD : 1 IH6OTHI1 : 1 IH6TRSIN : 1 IH6RNTIN : 5 IH6BUSIN : 1 IH6DIVIN : 28 IH6BNDIN : 11 IH6CHKIN : 58 IH6CDIN : 18 Wealth : I6AHOU1 : 12 I6AMRT1 : 4 I6AMRT2 : 1 I6AEQCD : 3 I6AIRA1 : 29 I6AIRA2 : 15 I6AIRA3 : 9 H6ARLES : 6 H6ABSNS : 1 H6ASTCK : 20 H6ABOND : 2 H6ACHCK : 97 H6ACD : 6 H6ATRAN : 66 H6AOTHR : 9 H6ADEBT : 8	

Section E: 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 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=. ;
```

```
/* 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 reported seemingly annual income in JJ206 */  
if hhidpn in (45438010 137183010 179842020 501770020) then JJ210=6 ;
```

```
/* This case reports receiving $100,000 a week from SE */  
if hhidpn=501311020 then do ;  
    jj188=.m ;  
    jj192=.m ;  
end ;
```

```
/* This case reports receiving 36 million in overtime per month */  
if hhidpn = 501770020 then do ;  
    jj225 = .m ;  
    jj226 = .m ;  
end ;
```