HEALTH AND RETIREMENT STUDY
2006 Exit
Final, Version 1.0
October 2008

Data Description and Usage
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Data Description and Usage

1. Overview
The 2006 HRS Exit (Final, Version 1.0) data release consists of data obtained as part of the Health and Retirement Study (HRS), a national longitudinal study of the economic, health, marital, and family status, as well as public and private support systems, of older Americans. The National Institute on Aging provided funding (NIH U01 AG09740), with supplemental support from the Social Security Administration. The Institute for Social Research (ISR) Survey Research Center (SRC) at the University of Michigan conducted the survey.

The release of the 2006 Exit (Final, Version 1.0) has 1,310 respondents. An Exit Interview is attempted with a “proxy informant” for panel members who have died. To the greatest extent possible, proxy informants are knowledgeable about the health, family, and financial situation of the deceased (often the proxy is a widow, widower, or some other family member). The content of the 2006 Exit interview is similar to the 2006 core (or living) interview. As such, the 2006 Exit data are amenable to answering researchers’ questions concerning medical care, expenditures, how assets are distributed following death, and family decision-making during the latter part of life.

By receiving the data, which have been freely provided, you agree to use them for research and statistical purposes only, and to make no effort to identify the respondents. In addition, you agree to send us a copy of any publications you produce based on the data. See Obtaining the Data for additional details.

1a. The Sample Interviewed in 2006
The data collection period for the 2006 Exit interview was March 2006 through February 2007. The HRS sample is comprised of five sub-samples.

The first sub-sample, the HRS sub-sample, consists of people who were born 1931 through 1941 and were household residents of the conterminous U.S. in the spring 1992, and their spouses or partners at the time of the initial interview in 1992 or at the time of any subsequent interview. The HRS sub-sample was interviewed in 1992 and every two years thereafter.

The AHEAD sub-sample consists of people who were born in 1923 or earlier, were household residents of the conterminous U.S. in the spring 1992, and were still household residents at the time of their initial interview in 1992 or at the time of any subsequent interview. The AHEAD sub-sample was interviewed in 1992 and every two years thereafter.

The War Baby (WB) sub-sample consists of people who were born in 1942 through 1947, were household residents of the conterminous U.S. in the spring 1992, who, at that time, did not have a spouse or partner born before 1924 or between 1931 and 1941, and were still household residents at the time of the first interview in 1992, and their spouses or partners at the time of the initial interview or at the time of any subsequent interview. The War Baby sub-sample was interviewed in 1992 and every two years thereafter.

The Children of the Depression (CODA) sub-sample consists of people who were born in 1924 through 1930, were household residents of the conterminous U.S.
when first interviewed in 1998, and who, at that time, did not have a spouse or partner who was born before 1924 or between 1931 and 1947, and their spouses or partners at the time of the initial interview or at the time of any subsequent interview. The Children of the Depression sub-sample was interviewed in 1998 and every two years thereafter.

The Early Baby Boomer (EBB) sub-sample consists of people who were born in 1948 through 1953, were household residents of the U.S. when first interviewed in 2004, and who, at that time, did not have a spouse or partner who was born before 1948, and their spouses or partners at the time of the initial interview or at the time of any subsequent interview. The Early Baby Boomer sub-sample was interviewed in 2004 and every two years thereafter.

Original sample members are those selected as described above and their spouses or partners at the time of the initial interview in 1992 (HRS), 1993 (AHEAD), 1998 (CODA or WB) or 2004 (EBB). Cases from the HRS, AHEAD, CODA, WB and EBB are present in the HRS 2006 Exit Data. For more details about the sample, see our Web site.

1b. 2006 Questionnaire Sections
The content of the 2006 Exit data collection instrument is roughly equivalent to the content of the HRS 2004 Exit instrument.

<table>
<thead>
<tr>
<th>2006 Section</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR</td>
<td>Preload</td>
</tr>
<tr>
<td>A</td>
<td>Coverscreen</td>
</tr>
<tr>
<td>B</td>
<td>Demographics</td>
</tr>
<tr>
<td>C</td>
<td>Physical Health</td>
</tr>
<tr>
<td>D</td>
<td>Cognition</td>
</tr>
<tr>
<td>E</td>
<td>Family Structure and Transfers</td>
</tr>
<tr>
<td>G</td>
<td>Functional Limitations and Helpers</td>
</tr>
<tr>
<td>J</td>
<td>Employment</td>
</tr>
<tr>
<td>N</td>
<td>Health Services and Insurance</td>
</tr>
<tr>
<td>T</td>
<td>Wills and Life Insurance</td>
</tr>
<tr>
<td>IO</td>
<td>Interviewer Observations</td>
</tr>
<tr>
<td>Y</td>
<td>Time Calculations</td>
</tr>
</tbody>
</table>

1c. Levels of Files
In the 2006 Exit Questionnaire, most questions were asked of all proxy respondents.

In addition to the respondent-level files, the 2006 HRS Exit (Final, Version 1.0), contains files at four other levels: household-member-and-child, helper, transfer-to-child, and transfer-from-child.

1c1. Respondent Level Files
Respondent-level files contain questions that were asked of all proxy respondents about the deceased respondent. The files contain one record for each exit proxy who gave an interview in 2006 Exit interview.

1c2. Household Member and Child Level Files
These files contain characteristics about household members, children, and siblings. The information comes from the PR_MC file, and contains one record for each household member, child, or sibling.
Helper Level File

This file contains information provided by the exit proxy about the deceased respondent’s helpers. A helper may be a person or organization that was reported by the proxy as providing help with money management, ADLs or IADLs in Section G of the 2006 Exit questionnaire. The helper file contains one record for each helper.

Transfer-to-Child-Level File

This file contains information provided by the exit proxy about transfers of money to a child or grandchild. The file contains one record for each transfer to a child or grandchild. Transfers to children are asked about in Section E of the 2006 instrument.

Transfer-from-Child-Level File

This file contains information provided by the exit proxy about transfers of money from children or grandchildren. The file contains one record for each transfer from a child or grandchild. Transfers from children are asked about in Section E of the 2006 instrument.

File Naming Conventions

Files are named beginning with “X06” for HRS 2006 Exit, followed by a letter (or two) designating the questionnaire section. A separator, “_”, and then one or two letters designating the level follows the section letter designator. The following letters designate the level of the data files:

- R for respondent-level
- MC for household-member-and-child-level
- HP for helper-level
- TC for transfer-to-child-level
- FC for transfer-from-child-level

For example, the file X06A_R includes variables from section A (covercreen) at the respondent level. And file X06E_TC includes variables from section E at the monetary transfer-to level.

The following extensions are used for the six different types of files that are distributed.

- .DA for data files,
- .SAS for SAS program statements,
- .SPS for SPSS program statements,
- .DO for STATA DO statements,
- .DCT for STATA dictionary statements, and
- .TXT for codebook files.

One of each of these file types is provided for each of the 16 data files for the 2006 HRS Exit (Final, Version 1.0) data release. For example,

- X06A_R.DA contains respondent data from section A,
- X06A_R.SAS contains corresponding SAS program statements,
- X06A_R.SPS contains corresponding SPSS program statements,
- X06A_R.DO contains corresponding STATA DO statements,
- X06A_R.DCT contains corresponding STATA dictionary statements, and
- X06A_R.TXT contains the ASCII codebook.
3. Data Files

The 2006 HRS Exit (Final, Version 1.0) data are distributed in 16 data files. The files are listed below along with the number of cases (N), number of variables (NV), and the primary identifiers (IDS).

The 2006 HRS Exit data are provided in ASCII format, with fixed-length records. Use associated SAS, SPSS, or STATA program statements to read the data into the analysis package of your choice.

Respondent level files, PRIMARY IDS = HHID PN

<table>
<thead>
<tr>
<th>File</th>
<th>N</th>
<th>NV</th>
</tr>
</thead>
<tbody>
<tr>
<td>X06PR_R</td>
<td>1,310</td>
<td>97</td>
</tr>
<tr>
<td>X06A_R</td>
<td>1,310</td>
<td>98</td>
</tr>
<tr>
<td>X06B_R</td>
<td>1,310</td>
<td>51</td>
</tr>
<tr>
<td>X06C_R</td>
<td>1,310</td>
<td>69</td>
</tr>
<tr>
<td>X06D_R</td>
<td>1,310</td>
<td>61</td>
</tr>
<tr>
<td>X06E_R</td>
<td>1,310</td>
<td>34</td>
</tr>
<tr>
<td>X06G_R</td>
<td>1,310</td>
<td>107</td>
</tr>
<tr>
<td>X06J_R</td>
<td>1,310</td>
<td>193</td>
</tr>
<tr>
<td>X06N_R</td>
<td>1,310</td>
<td>244</td>
</tr>
<tr>
<td>X06T_R</td>
<td>1,310</td>
<td>463</td>
</tr>
<tr>
<td>X06IO_R</td>
<td>1,310</td>
<td>80</td>
</tr>
<tr>
<td>X06Y_R</td>
<td>1,310</td>
<td>17</td>
</tr>
</tbody>
</table>

Household member and child level files PRIMARY IDS = HHID USUBHH OPN

<table>
<thead>
<tr>
<th>File</th>
<th>N</th>
<th>NV</th>
</tr>
</thead>
<tbody>
<tr>
<td>X06PR_MC</td>
<td>7,784</td>
<td>21</td>
</tr>
</tbody>
</table>

Transfer-to-child-level-file PRIMARY IDS = HHID PN OPN

<table>
<thead>
<tr>
<th>File</th>
<th>N</th>
<th>NV</th>
</tr>
</thead>
<tbody>
<tr>
<td>X06E_TC</td>
<td>432</td>
<td>16</td>
</tr>
</tbody>
</table>

Transfer-from-child-level-file PRIMARY IDS = HHID PN OPN

<table>
<thead>
<tr>
<th>File</th>
<th>N</th>
<th>NV</th>
</tr>
</thead>
<tbody>
<tr>
<td>X06E_FC</td>
<td>165</td>
<td>17</td>
</tr>
</tbody>
</table>

Helper-level-file PRIMARY IDS = HHID PN OPN

<table>
<thead>
<tr>
<th>File</th>
<th>N</th>
<th>NV</th>
</tr>
</thead>
<tbody>
<tr>
<td>X06G_HP</td>
<td>2,707</td>
<td>27</td>
</tr>
</tbody>
</table>

4. Identification Variables

Identification variables for HRS 2006 Final Exit (Version 1.0) are stored in character format.

4a. Primary Identification Variables

Several variables, HHID, USUBHH, PN, and OPN are used in various combinations to uniquely identify records in the five different level datasets that comprise this data release.

4a1. HHID - Household Identifier

HHID is stable across waves of data collection, and uniquely identifies the original household and any households derived from that household in subsequent waves of data collection. HHID has six digits.
4a2. **USUBHH – 2006 Sub-household Identifier**
In combination with HHID, USUBHH uniquely identifies a household at the time of the 2006 data collection. Sub-household identifiers can be different at each wave due to dissolution or reconstitution of a household (e.g. divorce, separation, marriage, or death). USUBHH has one digit. In the 2006 Exit data, USUBHH will be either 3 or 4. For more information, see Examples of Sub-Household and Respondent Person Number and Other Person Number Assignments.

4a3. **PN – Person Number**
In combination with HHID, PN uniquely identifies a respondent. PNs are unique within an original household (HHID). The PN assigned to a particular respondent does not change across waves. PN has three digits.

4a4. **OPN – Other Person Number.**
In the 2006 data collection HHID, USUBHH, and OPN uniquely identify another person in the household member and child files and transfer-level files; HHID, PN, and OPN uniquely identify another person in the helper files. OPN has three digits.

4B. **Primary Identification Variables for Datasets at Each of the Five Levels**
Two identifiers uniquely identify records in the
  1) HHID HOUSEHOLD IDENTIFIER
  2) PN PERSON NUMBER

Three identifiers uniquely identify records in the
  1) HHID HOUSEHOLD IDENTIFIER
  2) PN PERSON NUMBER
  3) OPN OTHER PERSON NUMBER

Three identifiers uniquely identify records in the
  1) HHID HOUSEHOLD IDENTIFIER
  2) USUBHH 2006 SUB-HOUSEHOLD IDENTIFIER
  3) OPN OTHER PERSON NUMBER

Three identifiers uniquely identify records in the
  1) HHID HOUSEHOLD IDENTIFIER
  2) PN PERSON NUMBER
  3) OPN OTHER PERSON NUMBER

4C. **Secondary Identification Variables**
Secondary identification variables include JSUBHH and UPN_SP. The secondary identification variables can be used to link the 2006 Exit data with core data from previous waves, or to link a deceased respondent with data from their surviving spouse or partner.
Secondary Identification Variables for
   o respondent-level and
   o helper-level datasets:

   JSUBHH  2004  SUB-HOUSEHOLD IDENTIFIER
   UPN_SP  2006  SPOUSE/PARTNER PERSON NUMBER

Secondary Identification Variables for
   o household member or child level,
   o transfer-from-child-level,
   o transfer-to-child-level

   JSUBHH  2004  SUB-HOUSEHOLD IDENTIFIER

5. Distribution Files and Directory Structure

5a. Distribution Files

The files are packaged for download from our Web site in two different ways – as one large .zip file that contains seven smaller .zip files and one .pdf file, or the seven smaller files available individually for separate download. The combined file is X06exit.zip.

The individual files for separate download are:

   Data file
      X06da.zip containing data files.

   Program statement files
      X06sas.zip containing SAS data descriptors.
      X06sps.zip containing SPSS data descriptors.
      X06sta.zip containing STATA data descriptors.

   Documentation files
      X06cb.zip containing the codebook.
      X06qn.zip containing the questionnaire.
      X06dd.pdf - this document.

5b. Directory Structure

While a particular setup is not required for using the 2006 HRS Final Exit files, if the following directory structure is used, then no changes to the path name in the data descriptor files are necessary. If you use a different structure, change the directory references in the distribution files.

<table>
<thead>
<tr>
<th>Directory</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>c:\x2006\</td>
<td>Files downloaded from Web site</td>
</tr>
<tr>
<td>c:\x2006\codebook</td>
<td>Unzipped files from X06cb.zip</td>
</tr>
<tr>
<td>c:\x2006\data</td>
<td>Unzipped files from X06da.zip</td>
</tr>
<tr>
<td>c:\x2006\qnaire</td>
<td>Unzipped files from X06qn.zip</td>
</tr>
<tr>
<td>c:\x2006\sas</td>
<td>Unzipped files from X06sas.zip</td>
</tr>
<tr>
<td>c:\x2006\spss</td>
<td>Unzipped files from X06sps.zip</td>
</tr>
<tr>
<td>c:\x2006\STATA</td>
<td>Unzipped files from X06sta.zip</td>
</tr>
</tbody>
</table>
Decompress the selected .zip files into the appropriate subdirectories. You will need about 4.0 MB of free space on your storage device to store the 16 .DA files.

6. Program Statements

Each data file comes with associated SPSS, SAS, or STATA program statements to read the data. Files containing SPSS statements are named with a .SPS extension, those with SAS statements with a .SAS extension, and those with STATA statements with .DO and .DCT extensions.

The statement files are named beginning with the same prefix as the corresponding data file. For example, SAS statements in the file X06A_R.SAS go with the X06A_R.DA data file.

6a. Using the Files with SAS

To create a SAS system file for a particular dataset, two file types must be present for that dataset -- .SAS program statement files and .DA data files.

To create a SAS system file, load the *.SAS file into the SAS Program Editor.

If the *.SAS file is located in "c:\x2006\sas" and the data file is located in "c:\x2006\data", you can run the file as is. A SAS system file (*.SD2 or *.SAS7BDAT) will be saved to directory "c:\x2006\sas".

If the files are not located in the specified directories, you will need to edit the *.SAS file to reflect the proper path names prior to running the file.

6b. Using the Files with SPSS

To create an SPSS system file for a particular dataset, two file types must be present for that dataset -- .SPS program statement files and .DA data files.

To create an SPSS system file, open the *.SPS file in SPSS as an SPSS Syntax File.

If the *.SPS file is located in "c:\x2006\spss" and the data file is located in "c:\x2006\data", you can run the file as is. An SPSS system file (*.SAV) will be saved to directory "c:\x2006\spss".

If the files are not located in the specified directories, you will need to edit the *.SPS file to reflect the proper path names prior to running the file.

6c. Using the Files with STATA

To use STATA with a particular dataset, the following three file types must be present for that dataset -- .DCT files, .DO files, and .DA data files.

Files with the suffix .DA contain the raw data for STATA to read. Files with the suffix .DCT are STATA dictionaries used by STATA to describe the data. Files with the suffix .DO are short STATA programs ("do files") which you may use to read in the data. Load the .DO file into STATA and then submit it.

If the *.DO and *.DCT files are located in "c:\x2006\STATA" and the data file is located in "c:\x2006\data", you can run the .DO file as is.

If the files are not located in these directories, you must edit the *.DO and *.DCT files to reflect the proper path names before you run the files.
Note that the variable names provided in the .DCT files are uppercase. If you prefer lower case variable names, you may wish to convert the .DCT files to lower case prior to use. You may do this by reading the .DCT file into a text or word processing program and changing the case. For instance, in Microsoft Word, Edit, Select All, Format, Change Case, lowercase.

7. Documentation

There are several types of documentation available for use with the 2006 HRS Exit (Final, Version 1.0) data release. These include a codebook, the 2006 box-and-arrow questionnaire, master code, online question concordance and this data description.

7a. Codebook

The HRS 2006 Exit Codebook is provided as a series of 16 ASCII text files, as well as a file containing all sections. There is a codebook file corresponding to each data file, and a complete codebook that includes all sections. Each variable has its own codebook entry.

7a1. Variable Names

Variable names begin with a letter designating the wave of data collection (U for 2006 Exit), followed by the section letter, and numbers after the section letter. For example, UC030 where U=2006, C=section C (physical health), 030 variable number. Variables from the preload section of the instrument will have either UX or UZ as prefix letters. The X indicates a variable that is updated by data collected in later sections of the questionnaire, whereas the Z indicates preloaded data that were not changed by subsequent answers to questions. For example:

UX007   RESP FAM/FIN TYPE – UPDATED
U2007   PREV WAVE R FIN/FAM TYPE
UX065_R COUPLENESS STATUS R– UPDATED
U2066_R COUPLENESS STATUS R

7A1a. Multiple-response and Looped Variables

There are two types of variables with multiple mention indicators. First are simple multiple mentions, and second are multiple mentions within loops.

Simple multiple mention variables take the form: (wave prefix)+ (section letter) + (variable number) + (mention number). For example, UC021M1 through UC021M6 are 2006 variables from section C with one through six mentions.

Simple loop variables (without a multiple mention) have an underscore (_) in their name and a suffix that designates the loop, e.g., UN025_1.

For variables that have a “W” right after the section designator, the variable names are slightly different. Variable names for multiple mentions to questions within a W-loop take the form: (wave prefix) + (section letter) + (“W”) + (variable number) + (letter designating loop iteration) + (mention number). For example, UJW044a1, is a 2006 variable from section J, variable number 044 in the first iteration of the loop, and the first mention. Other non-multiple mention variables within this type of loop are named with the letter designating the
loop iteration. For example, UJW001a, is variable number 001 in the first iteration of the loop.

Null multiple mention variables and variables from null loops beyond the first mention or first loop are not included in the data. It is generally the case that one null multiple mention and one null loop were retained.

7A1b. Masked Variables

To protect the confidentiality of the information that respondents provide, a number of variables have been masked, or are simply not included in the 2006 Exit Final (Version 1.0) public dataset. Some of these variables may be made available to analysts as restricted data. See our Web site for details.

Names, addresses, days of birth, information on geographical relocation, and similar variables are not included in publicly released files.

Geographical locations are recoded to a level no more detailed than U.S. Census Region and Division. Data on the highest educational degree earned have been further grouped together to increase cell sizes.

The names of variables that were masked for confidentiality end in the letter "M"; for example, variable UX046M (1ST ADDRESS STATE - MASKED) and variable UA126M (REGION FACILITY LOCATED - MASKED). In the 2006 Exit the following variables were:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>UX026M</td>
<td>1ST ADDRESS STATE - MASKED</td>
</tr>
<tr>
<td>UX030M</td>
<td>2ND ADDRESS STATE - MASKED</td>
</tr>
<tr>
<td>UZ031M</td>
<td>PREV WAVE 2ND RESIDENCE STATE - MASKED</td>
</tr>
<tr>
<td>UA126M</td>
<td>R DIED- STATE - MASKED</td>
</tr>
<tr>
<td>UA129M</td>
<td>R DEATH CERTIFICATE- STATE - MASKED</td>
</tr>
<tr>
<td>UA133M1M</td>
<td>CAUSE OF DEATH-MASKED- 1</td>
</tr>
<tr>
<td>UA133M2M</td>
<td>CAUSE OF DEATH-MASKED- 2</td>
</tr>
<tr>
<td>UA068M</td>
<td>REGION FACILITY LOCATED - MASKED</td>
</tr>
<tr>
<td>UA076M</td>
<td>CURRENT RESIDENCE STATE - MASKED</td>
</tr>
<tr>
<td>UA081M</td>
<td>OTHER RESIDENCE STATE - MASKED</td>
</tr>
<tr>
<td>UB024M</td>
<td>FATHERS USUAL OCC-MASKED</td>
</tr>
<tr>
<td>UB029M1M</td>
<td>TYPE HISPANIC - 1-MASKED</td>
</tr>
<tr>
<td>UB029M2M</td>
<td>TYPE HISPANIC - 2-MASKED</td>
</tr>
<tr>
<td>UB089M1M</td>
<td>R RACE -1- MASKED</td>
</tr>
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<td>R RACE -2- MASKED</td>
</tr>
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<td>UB089M3M</td>
<td>R RACE -3- MASKED</td>
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<td>UB091M</td>
<td>R RACE - PRIMARY- MASKED</td>
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<tr>
<td>UB047M</td>
<td>ST/COUNTRY LIVED DURING SCHOOL - MASKED</td>
</tr>
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<td>DIAGNOSIS OF MEMORY PROBLEM-MASKED-2</td>
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</tr>
<tr>
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<td>WHY ADMITTED - FINAL- 1- MASKED</td>
</tr>
<tr>
<td>UN314M2M</td>
<td>WHY ADMITTED - FINAL- 2- MASKED</td>
</tr>
<tr>
<td>UT158M</td>
<td>WHICH STATE WILL PROBATED - MASKED</td>
</tr>
</tbody>
</table>

7A1c. Rules - conditions

The conditions that allow a respondent to get a question or sequence of questions have been included in the codebook. However, the programming of the instrument actually reused blocks of programming for similar sequences (e.g.,
the questions about people in the household, the pension questions, and the follow up for disability programs). While these questions are similar, sometimes the conditions to get them or the pattern within the sequence itself are not the same. We have eliminated these discrepancies wherever possible but you will find some rules that should not apply to some sequences here and there.

In addition, there can be inconsistencies when a Respondent decides to go back and change an answer that controls flow. In 2006, these flow inconsistencies are not automatically fixed within the program.

We strongly recommend that you also check the Box and Arrow questionnaire whenever you have a question about flow and who should be in a given sequence.

7B. Master Code
A master code file contains detailed codeframes used in several sections of the codebook. The master codes include health conditions, alphabetical list of health conditions, occupation codes, industry codes, and state and country codeframes. The master codes appear in Appendix B.

7C. Box and Arrow Questionnaire
The research community has referred to the type of documentation that describes the questions asked in the interview as a “questionnaire”. Since the 2006 HRS Exit data were collected using a CAI program, a traditional hard-copy questionnaire was not produced as part of the data collection phase. However, we have provided a version of the traditional box-and-arrow questionnaire to help document the asking sequence of the questions.

7D. Online Question Concordance
This documentation resource lets researchers scan the metadata of publicly released HRS datasets in order to find information that may be of use in analysis efforts. It covers the biennial HRS datasets collected during the period 1992 through 2006. It contains one record for each of the questions represented by one or more variables in a specified public file. Concordance records are linked over time only in that they have keywords in common, or appear in similar sections in different years. It is located here: http://hrsonline.isr.umich.edu/concord/index.html

8. Changes in Data Resulting from Respondent Comments
The interviewers recorded comments made by respondents during the course of the interview. HRS staff reviewed these comments for selected questions. The original answer was changed if it was determined that the comment changed the substance of the recorded answer.

Occasionally additional codes were added to an existing codeframe. The text of added codeframes appears in the codebook in sentence case.

When a change was made as a result of the comment review process, inconsistencies with subsequent variables may result. For consistency, a limited number of changes were made to immediately subsequent variables within the section. The INAP text in the codebook does not include codeframes added in the comment review process. No consistency changes were made to variables in other sections. If any comment change affected a subsequent branch-point, the branch-point was not changed.
9. Unfolding Bracket Variables and Imputations

Typically, a series of unfolding bracket questions followed a lead-in question asking for an amount. If an actual amount was not given, a series of “unfolding” questions were asked. The manner in which the unfolding questions were programmed (Blaise) is different for the 2002 through 2006 data compared to the CAI (SurveyCraft) software used for 1993 through 2000. This change was transparent to the respondents, since exactly the same questions were asked with the new software as would have been asked with the old software; but it did have an implication for the data that were actually stored and also for the data that are released.

Instead of storing the response to each unfolding question, three summary variables were generated: the minimum and maximum values for the amount, given the answers to the unfolding questions. If the respondent said “more than” to the unfolding question with the highest value, then the maximum value was stored as ten times that value. If the last answer a respondent gave in an unfolding sequence was either “Don’t Know” or “Refused,” that is stored in the result variable.

For most analysts, those three variables (and in particular, the minimum and maximum of the possible range) will be sufficient for analyses. For any analyst who needs the more detailed information, it should be noted that the three variables, combined with the information about the unfolding questions provided in the box-and-arrow and codebook, are sufficient to allow the analyst to reconstruct the sequence of questions asked of any respondent, and the answers to each of those questions in many of the unfolding sequences.

For other sequences -- those in which respondents were randomly assigned to one of three "entry" points for the first unfolding question -- the analyst will also need to take into account a fourth variable (located in the preload sections) that specifies the entry point for each respondent. The following example shows the preload variable (UX511) and the unfolding sequence that uses the random entry point from UX511.

Example Random Entry Assignment Variable from Preload:

Preload Variable from the data file X06pr_r:

UX511  PREASSIGNED RANDOM VALUE -11
Section: PR  Level: Respondent  Type: Numeric  Width: 1  Decimals: 0
CAI: RTab[1].X511_1Random1_3
PREASSIGNED RANDOM VALUE

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<tr>
<td>449</td>
<td>2. RANDOM ASSIGNMENT 2</td>
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<tr>
<td>442</td>
<td>3. RANDOM ASSIGNMENT 3</td>
</tr>
<tr>
<td>1</td>
<td>Blank. INAP Inapplicable</td>
</tr>
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</table>

Unfolding Series from section E that uses UX511 to assign respondents an entry point:

UE083     TRANSFER TO CHILD – MIN
E083-E085 Unfolding Sequence
Question text: Did it amount to a total of less than $____ , more than $____ , or what?

PROCEDURES: 1Up1Down, 2Up, 2Down
BREAKPOINTS: $1,000, $5,000, $20,000
RANDOM ENTRY POINT ASSIGNMENT [1 ($5,000)] or [2 ($1,000)] or [{NOT 1 and NOT 2} ($20,000)] AT X511

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<tr>
<td>10</td>
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<tr>
<td>346</td>
</tr>
</tbody>
</table>

---

UE084 TRANSFER TO CHILD - MAX

E083-E085 Unfolding Sequence
Question text: Did it amount to a total of less than $____ , more than $____ , or what?

PROCEDURES: 1Up1Down, 2Up, 2Down
BREAKPOINTS: $1,000, $5,000, $20,000
RANDOM ENTRY POINT ASSIGNMENT [1 ($5,000)] or [2 ($1,000)] or [{NOT 1 and NOT 2} ($20,000)] AT X511

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<tr>
<td>25</td>
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<td>346</td>
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</table>

---

UE085 TRANSFER TO CHILD - RESULT

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<td>16</td>
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<tr>
<td>5</td>
</tr>
<tr>
<td>411</td>
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</tbody>
</table>

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October 2008, Version 1 12 x06dd.doc
10. Additional Notes

The following are miscellaneous additional notes regarding HRS 2006 Final Exit Data Release, Version 1. If we become aware of additional issues, they will be posted on our Web site in the Data Alerts section.

10A. Summary of Data Model (DM) Changes during 2006 Production

A summary variable called UVDATE appears on all of the data files except interviewer observations. Section IO is a stand alone data collection instrument that is not integrated with the main data collection program. The variable UVDATE indicates which version of the data model was used to collect data from a given proxy respondent. The different data model versions resulted in modest changes to the data collection instrument, and are summarized below:

Data Model Version 2

Section T:

UT227 - The 'other, specify' question (T244S) was programmed to be asked if 97 was selected in UT221, but instead it should be asked if 97 is selected in UT227.

10B. Section-specific Data Issues

Section T:

Due to a programming issue, proxies who responded "Yes" at UT184 or only have one child were not asked follow-up amount questions. However, those who responded "No" at UT184 went through the UT9082 sequence as well as the UT9100 loop.

11. Obtaining the Data

11a. Registration and Downloading the Data

HRS data are available for free to researchers and analysts at the HRS Web site. In order to obtain public release data, you must first register at our Web site. Once you have completed the registration process, your username and password will be sent to you via e-mail. Your username and password are required to download any data files.

By registering all users, we are able to document for our sponsors the size and diversity of our user community. Registered users receive user support, information related to errors in the data, future releases, workshops, and publication lists. The information you provide will not be used for any commercial use, and will not be redistributed to third parties.

11b. Conditions of Use

By registering, you agree to the Conditions of Use governing access to Health and Retirement public release data. You must agree to

- not attempt to identify respondents
- not transfer data to third parties except as specified
- not share your username and password
- include specified citations in work based on HRS data
- provide information to us about publications based on HRS data
- report apparent errors in the HRS data or documentation files
o notify us of changes in your contact information

For more information concerning privacy issues and conditions of use, please read “Conditions of Use for Public Data Files” and “Privacy and Security Notice” at the Public File Download Area of the HRS Web site.

11c. Publications Based on Data
As part of the data registration process, you agree to include specified citations, and to inform HRS of any papers, publications, or presentations based on HRS data. Please send a copy of any publications you produce based on HRS data, with a bibliographical reference, if appropriate, to the address below.

Health and Retirement Study
Attn: Papers and Publications
The Institute for Social Research, Room 3050
P.O. Box 1248
Ann Arbor, MI (USA) 48106-1248

Alternately, you may contact us by e-mail at hrsquest@isr.umich.edu with “Attn: Papers and Publications” in the subject line.

12. If You Need to Know More
This document is intended to serve as a brief overview, and to provide guidelines to using the 2006 HRS Exit (Final, Version 1.0) data. If you have questions or concerns that are not adequately covered here or on our Web site, or if you have any comments, please contact us. We will do our best to provide answers.

12A. HRS Internet Site
Health and Retirement Study public release data and additional information about the study are available on the Internet. To access the data and other relevant information, point your Web browser to the HRS Web site:

http://hrsonline.isr.umich.edu/

12B. Contact Information
If you need to contact us, you may do so by one of the methods listed below.

Internet: Help Desk at our Web site
E-mail: hrsquest@isr.umich.edu

Postal service:
Health and Retirement Study
The Institute for Social Research, Room 3050
The University of Michigan
P.O. Box 1248
Ann Arbor, MI 48106-1248

FAX: (734) 647-1186
Appendix A

A. Examples of Sub-Household and Respondent Person Number and Other Person Number Assignments

In the first year of data collection, all households, consisting of either a single respondent or of two married or partnered respondents, were assigned a SUBHH of 0.

In subsequent waves, a SUBHH of 0 indicates that the original household has not split due to divorce or separation of spouses or partners, although one member of a couple may have died, or a single respondent may have become married or partnered.

A value of 1 or 2 indicates a household in which the original couple split, divorced, or separated. One of the original couple is assigned a SUBHH of 1; the other is assigned a SUBHH of 2.

A value of 5 or 6 indicates a previously split household split a second time. One of the couple from a SUBHH 1 or 2 retains a SUBHH of 1 or 2; the other is assigned a SUBHH 5 or 6.

A value of 7 indicates respondents from split household reunited. It is important to understand these assignments when you merge records from different waves of the study.


Two respondents in a sample household are married at the time of the first cross-section. Each respondent is assigned a HHID of 012345 and a SUBHH of 0. One respondent has a PN of 010, the other a PN of 020.

At the time of the second cross-section the two respondents are still married, and each retains their HHID of 012345 and their SUBHH of 0 and his and her PN of 010 and 020, respectively.

Time 1
Household records
    HHID=012345 ASUBHH=0
Respondent records
    HHID=012345 PN=010 ASUBHH=0
    HHID=012345 PN=020 ASUBHH=0

Time 2
Household records
    HHID=012345 CSUBHH=0
Respondent records
    HHID=012345 PN=010 CSUBHH=0
    HHID=012345 PN=020 CSUBHH=0
A2. Couple Divorces.

Two respondents in a sample household are married at the time of the first cross-section. Each respondent is assigned a HHID of 023456 and a SUBHH of 0. One respondent has a PN of 010, the other a PN of 020.

By the time of the second cross-section, the couple has divorced. Both respondents retain the HHID of 023456, but one is assigned a SUBHH of 1, and the other is assigned a SUBHH of 2. Each original respondent retains his and her PN of 010 and 020, respectively.

Time 1
Household records
   HHID=023456 ASUBHH=0
Respondent records
   HHID=023456 PN=010 ASUBHH=0
   HHID=023456 PN=020 ASUBHH=0

Time 2
Household records
   HHID=023456 CSUBHH=1
   HHID=023456 CSUBHH=2
Respondent records
   HHID=023456 PN=010 CSUBHH=1
   HHID=023456 PN=020 CSUBHH=2

A3. One or Both Respondents Die.

Two respondents in a sample household are married at the time of the first cross-section. Each respondent is assigned a HHID of 034567 and a SUBHH of 0. One respondent has a PN of 010, the other a PN of 020.

One respondent dies before the next wave. At the next wave, both respondents retain their HHID of 034567. The living respondent retains her SUBHH of 0; the deceased respondent is assigned a SUBHH of 3. (If both respondents die, one would be assigned a SUBHH of 3, and the other would be assigned a SUBHH of 4.) Each original respondent retains his and her PN of 010 and 020, respectively.

Time 1
Household records
   HHID=034567 ASUBHH=0
Respondent records
   HHID=034567 PN=010 ASUBHH=0
   HHID=034567 PN=020 ASUBHH=0

Time 2
Household records
   HHID=034567 CSUBHH=0
   HHID=034567 CSUBHH=3 (in exit interview)
Respondent records
   HHID=034567 PN=010 CSUBHH=3 (in exit interview)
   HHID=034567 PN=020 CSUBHH=0

Both Respondents Die in same wave:
Household records
   HHID=034567 CSUBHH=3 (in exit interview, first respondent in household to die assigned 3)
   HHID=034567 CSUBHH=4 (in exit interview, second respondent in household to

A respondent who has never been married is in the first cross-section. The respondent is assigned a HHID of 045678 and a SUBHH of 0 and a PN of 010.

At the time of the second cross-section, the respondent has married. Both the respondent and her new spouse are assigned a HHID of 045678 and a SUBHH of 0 because the household was not divided. The original respondent retains her PN of 010. Her new spouse is assigned PN of 011.

Time 1
Household records
   HHID=045678 ASUBHH=0
Respondent records
   HHID=045678 PN=010 ASUBHH=0

Time 2
Household records
   HHID=045678 CSUBHH=0
Respondent records
   HHID=045678 PN=010 CSUBHH=0
   HHID=045678 PN=011 CSUBHH=0

A5. Couple Divorces, One Respondent Remarries and Divorces.

Two respondents in a sample household are married at the time of the first cross-section. Each respondent is assigned a HHID of 056789 and a SUBHH of 0. One respondent has a PN of 010, the other a PN of 020.

By the time of the second cross-section, the couple has divorced, and he has remarried. Both original respondents retain the HHID of 056789, but she is assigned a SUBHH of 1, and he is assigned a SUBHH of 2. His new spouse is also assigned the HHID of 056789 and the SUBHH of 2. Each original respondent retains his and her PN of 010 and 020, respectively. His new spouse is assigned PN of 011.

By the time of the third cross-section, that new couple has gotten divorced. All respondents retain the HHID of 056789. The original sample member ex-wife has the SUBHH of 1. The original sample member ex-husband has a SUBHH of 2, and the non-original sample member, his second ex-wife, is assigned the SUBHH of 5. Each original respondent retains his and her PN of 010 and 020, respectively. His second ex-wife retains her PN of 011.

Time 1
Household records
   HHID=056789 ASUBHH=0
Respondent records
   HHID=056789 PN=010 ASUBHH=0
   HHID=056789 PN=020 ASUBHH=0

Time 2
Household records
   HHID=056789 CSUBHH=1
   HHID=056789 CSUBHH=2
Respondent records
   HHID=056789 PN=010 CSUBHH=2
A6. Couple Divorces and Marries Again.
Two respondents in a sample household are married at the time of the first cross-section. Each respondent is assigned a HHID of 067890 and a SUBHH of 0. One respondent has a PN of 010, the other a PN of 020.

By the time of the second cross-section, the couple has divorced. Both respondents retain the HHID of 067890, but one is assigned a SUBHH of 1, and the other is assigned a SUBHH of 2. Each original respondent retains his and her PN of 010 and 020, respectively.

By the time of the third cross-section, the respondents have remarried each other. Both are assigned the HHID of 067890 and the SUBHH of 7. Each original respondent retains his and her PN of 010 and 020, respectively.

A7. Married Couple with Children and Siblings.
At the time of the first cross-section, sample household with a HHID of 078901 contains two respondents assigned PNs of 010 and 020, respectively. Associated with the household are three children with OPNs of 101, 102, and 103, and two siblings with OPNs of 051 and 052. All seven persons will keep those same PNs and OPNs across time. A friend who lives with the respondents is assigned an
OPN of 080. The friend will keep her OPN of 080 across time only if she is a household member at each wave.

Time 1
Household records
   HHID=078901 ASUBHH=0
Respondent records
   HHID=078901 PN=010 ASUBHH=0
   HHID=078901 PN=020 ASUBHH=0
Household member/child records
   HHID=078901 ASUBHH=0 OPN=101 (child)
   HHID=078901 ASUBHH=0 OPN=102 (child)
   HHID=078901 ASUBHH=0 OPN=103 (child)
   HHID=078901 ASUBHH=0 OPN=051 (sibling)
   HHID=078901 ASUBHH=0 OPN=052 (sibling)
   HHID=078901 ASUBHH=0 OPN=080 (friend)

A8. Couple with Children and Siblings Divorces.
At the time of the first cross-section, sample household with a HHID of 089012 contains two respondents assigned PNs of 010 and 020, respectively. Associated with the household are two children with OPNs of 101 and 102, and three siblings, her two brothers with OPNs of 051 and 052, and his sister with an OPN of 061. A friend who lives with the respondents is assigned an OPN of 080.

By the time of the second cross-section, the couple has divorced. Both respondents retain the HHID of 089012, but he is assigned a SUBHH of 2, and she is assigned a SUBHH of 1. Each original respondent retains his and her PN of 010 and 020, respectively.

The two children appear both in their father’s SUBHH 2 and also in their mother’s SUBHH 1 with their respective OPNs, 101, and 102. The three siblings appear in the SUBHH of their respective siblings and maintain their respective OPNs. The ex-wife’s brothers appear as part of her SUBHH 1 with their OPNs of 051 and 052, respectively. The ex-husband’s sister appears as part of his SUBHH 2 with her OPN of 061. The friend has moved out and does not appear in either household.

Time 1
Household records
   HHID=089012 ASUBHH=0
Respondent records
   HHID=089012 PN=010 ASUBHH=0
   HHID=089012 PN=020 ASUBHH=0
Household member/child records
   HHID=089012 ASUBHH=0 OPN=101 (child)
   HHID=089012 ASUBHH=0 OPN=102 (child)
   HHID=089012 ASUBHH=0 OPN=051 (her brother)
   HHID=089012 ASUBHH=0 OPN=052 (her brother)
   HHID=089012 ASUBHH=0 OPN=061 (his sister)
   HHID=089012 ASUBHH=0 OPN=080 (friend)

Time 2
Household records
   HHID=089012 CSUBHH=1
   HHID=089012 CSUBHH=2
Respondent records
A9. Couple Divorces, One Respondent Remarries, Both Split-off Households Have New Members.

Two respondents in a sample household are married at the time of the first cross-section. Each respondent is assigned a HHID of 090123 and a SUBHH of 0. One respondent has a PN of 010, the other a PN of 020.

By the time of the second cross-section, the couple has divorced. She has moved in with her mother. He has married a woman with two children. At the second cross-section, both original respondents retain the HHID of 090123, but he is assigned a SUBHH of 1, and she is assigned a SUBHH of 2. Each original respondent retains his and her PN of 010 and 020, respectively. His new spouse and new stepchildren are assigned the HHID of 090123 and the SUBHH of 1. His new spouse is assigned an PN of 011. His new stepchildren are assigned OPNs of 151 and 152. Her mother is assigned the HHID of 090123 and the SUBHH of 2 and an OPN of 151.

Time 1
Household records
  HHID=090123 ASUBHH=0
Respondent records
  HHID=090123 PN=010 ASUBHH=0
  HHID=090123 PN=020 ASUBHH=0

Time 2
Household records
  HHID=090123 CSUBHH=1
  HHID=090123 CSUBHH=2
Respondent records
  HHID=090123 PN=010 CSUBHH=1
  HHID=090123 PN=011 CSUBHH=1 (new wife)
  HHID=090123 PN=020 CSUBHH=2
Household member/child records
  HHID=090123 CSUBHH=1 OPN=151 (his stepchild)
  HHID=090123 CSUBHH=1 OPN=152 (his stepchild)
  HHID=090123 CSUBHH=2 OPN=151 (her mom)
APPENDIX B

B. Master Codes

Included in this file are the "Master Codes" for HRS. Other areas of the codebook often refer to these lists, as they are too long to replicate at each variable that uses the codes.

The "Master Codes" in order of appearance are:

- Health Conditions - Categorical
- Health Conditions - Alphabetical List
- Occupation Codes
- Industry Codes
- State and Country Codes

B1. Health Conditions - Categorical

NOTE: If necessary, use individual "Other" categories if system or type of condition is clear; otherwise, code 997.

**Cancers and tumors; skin conditions**

101. Cancer - any site or type; leukemia; Hodgkin's disease; melanomas; non-Hodgkin's lymphoma; "tumors" (if specified as malignant); lymphoma; metastasis; angiosarcoma; carcinoma; myeloma/multiple myeloma
102. Tumors, cysts or growths (exc. 101); "polyps"; osteomyelitis; pre-cancer; neuraoma; benign tumors; mole removal; warts
103. Skin conditions - any mention exc. cancer (101) or tumor (102); dermatitis; eczema; "rashes"; Paget's disease; skin ulcers; bed sores; bullous pemphigoid; hair loss; pemphigus; seborrheic keratoses; rosacea; alopecia; psoriasis; burns (also use code 194 if available)

**Musculoskeletal system and connective tissue**

111. Arthritis; rheumatism; bursitis; ankylosing spondylitis; Reiter’s syndrome; rheumatica; polymyalgia rheumatica; osteoarthritis
112. Back/neck/spine problems - chronic stiffness, deformity or pain; disc problems; scoliosis; spina bifida; myelodysplastic syndrome; "bad back"; back/neck injuries (also use code 194 if available)
113. Stiffness, deformity, numbness or chronic pain in foot, leg, arm or hand; shoulder or rotator cuff; "bad knee"/hip problems; hip/knee replacement; plantar fasciitis; drop foot; leg cramps; tennis elbow; sprain (location NA) (also use code 194 if available)
114. Missing legs, feet, arms, hands, or fingers (from amputation or congenital deformity)
115. Paralysis - any mention (incl. from polio - i.e. Post-polio syndrome)
116. Hernias; hiatal hernia; rectocele; cystocele
117. Muscular dystrophy; mitochondrial myopathy
118. Fibromyalgia; fibromyositis; fibrositis; myofascial pain syndrome.
119. Other musculoskeletal or connective tissue problems - lupus; osteoporosis; pinched nerve (location not specified); sciatica/sciatric nerve problem; carpal tunnel syndrome; costochondritis; Dupuytren’s contracture; polymyositis; scleroderma; spinal stenosis; chromosome leak into the muscles; bone spurs (location not specified); Cellulitis; tendonitis (location not specified); TMJ (temporomandibular joint syndrome);
trigeminal neuralgia; CREST syndrome/limited scleroderma; polymyalgia; avascular necrosis (osteonecrosis); neural muscular myositis; bone disease; myalgia; myasthenia (ocular myasthenia); myositis; osteopenia; neuritis; skull bone injuries (also use code 194 if available); vascular necrosis; broken or damaged bones (location NA) from injuries/accidents (also use code 194 if available); pulled muscle (also use code 194 if available); strain (location NA) (also use code 194 if available); tendon damage (location NA) (also use code 194 if available)

Heart, circulatory and blood conditions
121. Heart problems - heart attack (coronary) or failure; arteriosclerosis; heart aneurysms; heart deformities(congenital); heart murmurs; heart valve blockage; heart valve prolapse; heart valve replacement; angina; "bad heart"; congestive heart disease; cardiomyopathy; atrial fibrillation; MI; myocardial infarction; multiple infarction; myocarditis; endocarditis; arterial blockage; hardening of arteries; heart bypass surgery; mitral valve prolapse; myocardial ischemia; rheumatic heart disease
122. High blood pressure (hypertension); uncontrollable blood pressure; blood pressure problems (not specified high or low); HTN
123. Stroke; cerebral hemorrhage or accident; hematoma (if related to brain)
124. Blood disorders - blood disease; anemia; aplastic (hypoplastic) anemia; hemophilia; polycythemia vera; "bad blood"; toxemia; brain aneurysm; TIA; cold agglutinin disease; polycythemia; triglycerides or "high triglycerides"; toxoplasmosis; blood transfusion; sickle cell trait/anemia; hemochromatosis; bone marrow failure; factor VIII; elevated factor VIII; factor VIII deficiency; thrombocytopenia; sepsis; aneurysm (brain)
129. Other circulatory problems - phlebitis; (blood) clots; embolisms; varicose veins; hemorrhoids; low blood pressure; giant cell arteritis; hematoma (if not related to brain or location not specified); gangrene; vascular disease; pulmonary thrombosis; pulmonary embolism; Raynaud’s disease; APLS Hughes syndrome; aneurysm (when not in heart or brain); elasticity of arteries; calcification of limbs; lymphoedema; claudication; pulmonary hypertension; rheumatic fever; blockage in lung

Respiratory system conditions
131. Allergies; hay fever; sinusitis; sinus problems; sinus headaches; tonsillitis; celiac disease, sprue (gluten intolerance); hives
132. Asthma
133. Bronchitis; pneumonia; "acute upper respiratory problems/diseases"; Legionnaire’s disease; Alpha-1 Antitrypsin deficiency; fungus in chest; respiratory pulmonary disease
134. Emphysema; COPD (chronic obstructive pulmonary disease); smoking related lung problems
139. Other respiratory/breathing problems - tuberculosis; sarcoidosis; ventilatory insufficiency; idiopathic pulmonary fibrosis; respiratory failure; NFS; asbestos (in lungs); black lung; pleurisy

Endocrine, metabolic and nutritional conditions
141. Diabetes; high blood sugar
142. Thyroid trouble/problems; goiter; hyperthyroidism; graves disease; Hashimoto’s disease
143. Cystic fibrosis
144. Nutritional problems; weight problems; eating disorders; high cholesterol; obesity; overweight; vitamin deficiency
145. Sugar problems - NFS; erratic blood sugar
149. Other endocrine/metabolic problems - pancreatitis; pituitary problems; gland problem; Addison's disease; gout; nephrotic syndrome; primary adrenal insufficiency; parathyroid problems; endocrinology syndrome; amyloidosis; acromegaly; hormone problems; Hyperpituitarism; hypoglycemia; low blood sugar

**Digestive system (stomach, liver, gallbladder, kidney, bladder)**

151. Stomach and intestinal conditions - acid reflux; reflux disease; heartburn; stomach reflux; GERD (gastroesophageal reflux disease); Barrett’s esophagus; ulcers (stomach, peptic, duodenal or not further specified); colitis; ulcerative colitis; gastritis; diverticulitis; diverticulosis; appendicitis; Crohn's disease; intestinal adhesions; Rendu-Osler-Weber disease; abdominal adhesions; colostomy; silicatosis disease; "stomach pains"; ileostomy; dumping syndrome; gastroenteritis; Irritable Bowel Syndrome; diarrhea; appendectomy; enteritis; Ileitis; peritonitis; stomach removal

152. Liver conditions - cirrhosis; hepatitis; benign hepatic hypertrophy; encephalopathy "caused by liver problems"; jaundice

153. Kidney conditions - kidney stones; kidney failure (incl. dialysis); nephritis

154. Gallbladder conditions - gallstones; blockage of bile ducts; gallbladder removal

155. Bladder conditions (except 156) - urinary infections; interstitial cystitis; urosepsis

156. Urinary incontinence; urinary loss/leakage; problems with bladder control

157. Spleen conditions; enlarged spleen

159. Other digestive system problems; bleeding; internal bleeding; hemorrhage; esophagus torn, ruptured or bleeding; swallowing difficulty; bowel incontinence

**Neurological and sensory conditions**

161. Blindness or vision problems - glaucoma; cataracts; detached/torn retina; macular degeneration; uveitis; conjunctivitis; eye conditions - NFS

162. Deafness; hearing loss or other ear conditions; tinnitus; vestibular disorder; Meniere’s disease

163. Multiple sclerosis; cerebral palsy; epilepsy; Parkinson's; ALS (amyotrophic lateral sclerosis or Lou Gehrig’s disease); "seizures"; neuropathy; Peripheral neuropathy

164. Speech conditions (any mention) - Congenital speech defects; stuttering; Laryngectomy; speech impediment

165. Mental retardation; mental impairment; learning disabilities; down syndrome; ADD (attention deficit disorder); dyslexia

169. Other neurological/sensory problems - headaches; migraines; dizziness; blackouts; brain damage - NFS(also use code 194 if available); meningitis; memory loss; shingles; arachnoiditis; Bell’s palsy; Charcot-Marie-Tooth disease; Guillain-Barre syndrome; Medial nerve palsy; myasthenia gravis; myokymia; reflex sympathetic dystrophy (RSD); restless leg syndrome (RLS); Sjogren’s syndrome; spasmodic torticollis; balance problems; closed head injury; coma; paralyzed diaphragm; facial neuralgia; hydrocephalus; inclusive body myosititis; spinal cerebella ataxia; benign/familiar tremors; vertigo; upper motor neuron/motoneuron problems; progressive supranuclear palsy (PSP); thoracic outlet syndrome; “shaky hands”; spinal cord damage from injuries/accident (also use code 194 if available)
Reproductive system and prostate conditions

171. Pregnancy and childbirth problems - miscarriage; stillbirth; hemorrhaging or complications from birth of child; episiotomy; Rh factor
172. Infertility; sterilization; vasectomy; tubal ligation; tubes tied
173. Prostate conditions; PSA; "high PSA"
179. Other problems of reproductive system - hysterectomy; ovarian problems; PMS; menopause; dysmenorrhea; endometriosis; painful menstrual periods; "female problems"; gynecological problems - NFS; removal of reproductive organs(excluding cancer and tumors)

Emotional and psychological conditions

181. Alcoholism
182. Drug abuse/addiction/dependence
183. Other severe psychological conditions - (chronic) depression; schizophrenia; mania; paranoia; autism; psychosis; panic attacks; agoraphobia; bipolar disorder (manic depression); posttraumatic stress disorder (PTSD); anxiety;
189. Other emotional and psychological problems; "mental problems" - NFS; "nerves(bad)"; "nervous breakdown"; stress; stress related problems; night wandering; behavioral problems; insomnia;

Miscellaneous

191. Alzheimer's disease; "senility"; dementia
192. Dental and gum conditions - any mention
193. Other acute infectious diseases - flu; colds; fever; mumps; Dengue fever; Lyme disease; infection; staph infection; MRSA; Epstein-Barr virus; mononucleosis; influenza; measles; rubella; strep throat; "virus" - NFS
194. Injuries and traumas - broken bones; fractures; pulled muscles; strains; tendon damage; burns; lacerations; concussion; side effects/conditions due to surgery; side effects due to medication LOW PRIORITY--code resulting chronic or ongoing conditions if possible
195. Sleep disorders - sleep apnea; narcolepsy; catapaley
196. Immune system disorders; HIV positive; AIDS; ARC;

Cause of death

601. Suicide
602. Murder
603. Killed in war/combat
604. Motor vehicle accident - incl. as pedestrian
605. Industrial/work related accident
606. Sporting accident
607. Other accidental death; accidental death - NA type of accident
608. Still born; died at birth or infancy - NFS

Other symptoms

595. Old age; "everything wore out"; bedridden; infirmity; "natural causes"; failure to thrive in older adults
596. Lack of energy/strength; fatigue - NFS; chronic fatigue; don’t have get up and go
597. Edema; retaining water; retaining fluids; swelling; (no specific part of body)
996. None
997. Other health condition
998. DK (Don't Know); NA (Not Ascertained)
999. RF (Refused);

151. Abdominal adhesions
151. Acid Reflux
149. Acromegaly
193. Acute infectious diseases
133. Acute upper respiratory diseases/problems
165. ADD (attention deficit disorder)
149. Addison's disease
183. Agoraphobia
196. AIDS
181. Alcoholism
131. Allergies
103. Alopecia
133. Alpha-1 Antitrypsin deficiency
163. ALS
191. Alzheimer's disease
114. Amputation of limbs
149. Amyloidosis
163. Amyotrophic lateral sclerosis
124. Anemia
129. Aneurysm (location not specified but excl. heart/brain)
124. Aneurysm, brain
121. Aneurysm, heart
121. Angina
101. Angiosarcoma
111. Ankylosing spondylitis
183. Anxiety
124. Aplastic (hypoplastic) anemia
129. APLS Hughes syndrome
151. Appendectomy
151. Appendicitis
169. Arachnoiditis
196. ARC
121. Arterial blockage
121. Arteries, hardening
129. Arteries, elasticity
121. Arteriosclerosis
111. Arthritis
139. Asbestos, (in lungs)
132. Asthma
121. Atrial fibrillation
183. Autism
119. Avascular necrosis (osteonecrosis)
112. Back injuries (also use code 194 if available)
112. Back, bad
169. Balance problems
151. Barrett’s esophagus
103. Bed sores
595. Bedridden
189. Behavioral problems
169. Bell’s palsy
152. Benign hepatic hypertrophy
169. Benign tremors
102. Benign tumors
154. Bile duct, blockage of
183. Bipolar depression
183. Bipolar disorder
171. Birth of child
139. Black lung
169. Blackouts
156. Bladder control problems
155. Bladder conditions (excl. 156)
159. Bleeding (of the digestive tract)
161. Blindness
154. Blockage of bile ducts
129. Blood clots
124. Blood disorders, NFS
124. Blood disorders, specific
124. Blood disease
122. Blood pressure problems, (not specified high or low)
145. Blood sugar, erratic
124. Blood transfusion
119. Bone disease
124. Bone marrow failure
119. Bone spurs (location not specified)
119. Bones, broken/damaged (location not specified) from injuries/accidents
   (also use code 194 if available)
159. Bowel incontinence
151. Bowel, irritable
124. Brain aneurism
169. Brain damage, NFS (also use code 194 if available)
139. Breathing problems
133. Bronchitis
103. Bullous pemphigoid
103. Burns (also use code 194 if available)
111. Bursitis
121. Bypass surgery

129. Calcification of limbs
101. Cancer
101. Carcinoma
121. Cardiomyopathy
119. Carpal tunnel syndrome
195. Cataplexy
161. Cataracts
131. Celiac disease
119. Cellulitis
163. Cerebral palsy
123. Cerebral hemorrhage
169. Charcot-Marie-Tooth disease
171. Childbirth
171. Childbirth/pregnancy problems
171. Childbirth, complications from
171. Childbirth, hemorrhaging from
144. Cholesterol, high
119. Chromosome leak into the muscles
134. Chronic Obstructive Pulmonary Disease (COPD)
596. Chronic fatigue
129. Circulation
129. Circulatory system, other specific
152. Cirrhosis
129. Claudication
169. Closed head injury
129. Clots
124. Cold agglutin disease
193. Colds
151. Colitis
151. Colostomy
169. Coma
194. Concussions
194. Conditions/side effects due to surgery
164. Congenital speech defects
121. Congestive heart disease
161. Conjunctivitis
134. COPD (Chronic Obstructive Pulmonary Disease)
121. Coronary
119. Costochondritis
119. CREST syndrome/limited scleroderma
151. Crohn's disease
143. Cystic fibrosis
155. Cystitis
116. Cystocele
102. Cysts

162. Deafness
114. Deformation of limbs
191. Dementia
193. Dengue fever
192. Dental conditions
183. Depression (chronic)
103. Dermatitis
161. Detached retina
141. Diabetes
153. Dialysis
151. Diarrhea
112. Disc, slipped
112. Disc, worn
151. Diverticulosis
169. Dizziness
165. Down syndrome
113. Drop foot
182. Drug addiction/abuse
182. Drug dependence
151. Dumping syndrome
119. Dupuytren's contracture
165. Dyslexia
179. Dysmenorrhea

162. Ear conditions, all
144. Eating disorders
103. Eczema
597. Edema
129. Elasticity of arteries
129. Embolisms
134. Emphysema
152. Encephalopathy "caused by liver problems"
121. Endocarditis
149. Endocrinology syndrome
179. Endometriosis
596. Energy (low)
151. Enteritis
163. Epilepsy
171. Episiotomy
193. Epstein-Barr virus
159. Esophagus torn, ruptured, bleeding
161. Eye conditions, NFS

169. Facial neuralgia
124. Factor VIII/Factor VIII deficiency/Elevated Factor VIII
595. Failure to thrive in older adults
169. Familiar tremors
596. Fatigue (chronic); lack of energy/strength
179. Female problems
193. Fever
118. Fibromyalgia
118. Fibromyositis
118. Fibrositis
193. Flu
133. Fungus in chest

154. Gallbladder conditions
154. Gallbladder, removal
154. Gallstones
129. Gangrene
151. Gastritis
151. Gastroenteritis
151. GERD
129. Giant cell arteritis
149. Gland problem
161. Glaucoma
142. Goiter
149. Gout
142. Grave’s disease
102. Growths
169. Guillain-Barre syndrome
192. Gum conditions
179. Gynecological problems, NFS

103. Hair loss
142. Hashimoto’s disease
131. Hay fever
169. Headaches
162. Hearing, loss of
121. Heart aneurysm
121. Heart attack
121. Heart bypass surgery
121. Heart condition, NFS
121. Heart deformities, congenital
121. Heart failure
121. Heart murmurs
121. Heart valve prolapse
121. Heart valve replacement
121. Heart valve blockage
151. Heartburn
123. Hematoma, if related to brain
129. Hematoma, if not related to brain (or location NFS)
124. Hemochromatosis
124. Hemophilia
159. Hemorrhage
129. Hemorrhoids
152. Hepatitis
116. Hernia, hiatal
116. Hiatal hernia
122. High blood pressure
141. High blood sugar
144. High cholesterol
124. High triglycerides
113. Hip problem/replacement
196. HIV positive
131. Hives
101. Hodgkin’s disease
149. Hormone problems
122. HTN
169. Hydrocephalus
149. Hyperpituitarism
122. Hypertension
142. Hyperthyroidism
149. Hypoglycemia
124. Hypoplastic anemia
179. Hysterectomy

139. Idiopathic pulmonary fibrosis
151. Ileitis
151. Ileostomy
196. Immune system disorders
169. Inclusive body myositis
605. Industrial/work related accident
193. Infection (body part not specified)
172. Infertility
595. Infirmity
193. Influenza
194. Injuries, accidental
189. Insomnia
159. Internal bleeding
159. Internal bleeding (of the digestive tract)
155. Interstitial cystitis
151. Intestinal conditions
151. Intestinal adhesions
151. Irritable bowel conditions

152. Jaundice

153. Kidney failure (incl. dialysis)
153. Kidney removal
153. Kidney stones
603. Killed in war/combat
113. Knee, bad/problem/replacement

194. Lacerations
164. Laryngectomy
165. Learning disabilities
113. Leg cramps
133. Legionnaire’s disease
101. Leukemia
152. Liver conditions
163. Lou Gehrig’s disease
149. Low blood sugar
596. Low strength
134. Lung problems (smoking related)
129. Lung, blockage in
119. Lupus
193. Lyme disease
129. Lymphoedema
101. Lymphoma
161. Macular degeneration
101. Malignant tumors
183. Mania
183. Manic depression
193. Measles
169. Medial nerve palsy
194. Medication, side affects from
101. Melanoma
101. Melanoma, removal
169. Memory loss
162. Meniere's disease
169. Meningitis
179. Menopause
179. Menstrual periods, painful
189. Mental health problem, vague
165. Mental impairment
189. Mental problems
165. Mental retardation
101. Metastasis
121. MI
169. Migraines
171. Miscarriage
117. Mitochondrial myopathy
121. Mitral valve prolapse
102. Mole removal
193. Mononucleosis
169. Motor neuron or motoneuron problems
604. Motor vehicle accident, incl. as pedestrian
193. MRSA
163. Multiple sclerosis
121. Multiple infarctions
193. Mumps
602. Murder
117. Muscular dystrophy
119. Myalgia
119. Myasthenia gravis
119. Myasthenia (ocular myasthenia)
112. Myelodysplastic syndrome
101. Myeloma / Multiple myeloma
121. Myocardial ischemia
121. Myocardial infarction
121. Myocardiitis
118. Myofascial pain syndrome
169. Myokymia
119. Myositis

195. Narcolepsy

595. Natural causes

112. Neck injuries (also use code 194 if available)

153. Nephritis

149. Nephrotic syndrome

119. Nerve, pinched (location not specified)

189. Nerves, bad

189. Nervous condition

189. Nervous breakdown

119. Neural muscular myositis

119. Neuritis

102. Neuroma

163. Neuropathy

189. Night wandering

101. Non-Hodgkin’s lymphoma

996. None

144. Nutritional problems

144. Obesity

595. Old age

111. Osteoarthritis

102. Osteomyelitis

119. Osteopenia

119. Osteoporosis

607. Other accidental death; accidental death NA type of accident

997. Other health condition

179. Ovarian problems

144. Overweight

103. Paget's disease

149. Pancreatitis

183. Panic attacks

115. Paralysis (any mention)

169. Paralyzed diaphragm

183. Paranoia

149. Parathyroid problems

163. Parkinson's disease

103. Pemphigus

163. Peripheral neurophy

151. Peritonitis

129. Phlebitis

119. Pinched nerve (location not specified)

149. Pituitary problems

113. Plantar fasciitis

139. Pleurisy

133. Pneumonia

115. Polio

124. Polycythemia

124. Polycythemia vera

119. Polymyalgia (polymyalgia rheumatica)

119. Polymyositis

102. Polyps

115. Post-polio syndrome

183. Posttraumatic stress disorder (PTSD)

102. Pre-cancer

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171. Pregnancy/childbirth problems
179. Premenstrual syndrome (P.M.S.)
149. Primary adrenal insufficient
169. Progressive supranuclear palsy (PSP)
173. Prostate conditions
173. PSA, "high PSA"
103. Psoriasis
169. PSP (progressive supranuclear palsy)
183. Psychosis
119. Pulled muscle; location not specified (also use code 194 if available)
129. Pulmonary hypertension
139. Pulmonary idiopathic fibrosis
129. Pulmonary embolism
129. Pulmonary thrombosis
103. Rash, skin
129. Raynaud’s disease
116. Rectocele
169. Reflex sympathetic dystrophy (RSD)
151. Reflux disease
111. Reiter’s Syndrome
151. Rendu-Osler-Weber disease
179. Reproductive organs, removal of (exc. for cancer, tumors)
139. Respiratory failure, NFS
133. Respiratory diseases, acute upper
133. Respiratory pulmonary disease
169. Restless legs syndrome (RLS)
597. Retaining water OR retaining fluids
161. Retina, torn
161. Retina, detached
171. RH factor
121. Rheumatic heart disease
129. Rheumatic fever
111. Rheumatica
111. Rheumatism
103. Rosacea
113. Rotator cuff problems
193. Rubella
139. Sarcoidosis
183. Schizophrenia
119. Sciatica/sciatic nerve problem
119. Scleroderma
112. Scoliosis
103. Seborrheic keratosis
163. Seizures
191. Senility
124. Sepsis
169. Shaky hands
169. Shingles
113. Shoulder problems
124. Sickle cell trait
124. Sickle cell anemia
194. Side affects from medication
194. Side effects/conditions due to surgery
151. Silicates disease
131. Sinus headaches
131. Sinus problems
131. Sinusitis
169. Sjogren’s syndrome
103. Skin conditions
103. Skin ulcers
119. Skull bone injuries (also use code 194 if available)
194. Skull fracture
195. Sleep apnea
134. Smoking related lung problems
169. Spasmodic torticollis
164. Speech conditions, all
164. Speech impediment
112. Spina Bifida
169. Spinal Cerebellar Ataxia
169. Spinal cord damage, from injuries/accident (also use code 194 if available)
119. Spinal stenosis
157. Spleen conditions
157. Spleen, enlarged
606. Sporting accident
113. Sprain; location not specified (also use code 194 if available)
131. Sprue (gluten intolerance)
193. Staph infection
172. Sterilization
608. Still born; died at birth or infancy -- NFS
171. Stillbirth
608. Stillbirth (as cause of death)
151. Stomach conditions
151. Stomach reflux
151. Stomach pains
151. Stomach, removal
119. Strain; location not specified (also use code 194 if available)
596. Strength (low)
193. Strep throat
189. Stress/stress related problems
123. Stroke
164. Stuttering
145. Sugar problems; NFS
601. Suicide
159. Swallowing difficulty
597. Swelling, (no specified part of body)
119. Tendon damage; location not specified (also use code 194 if available)
119. Tendonitis (location not specified)
113. Tennis elbow
169. Thoracic outlet syndrome
124. Thrombocytopenia
142. Thyroid problems
124. TIA
162. Tinnitus
119. TMJ (temporomandibular joint syndrome)
131. Tonsillitis
124. Toxemia
124. Toxoplasmosis
119. Trigeminal neuralgia
124. Triglycerides OR "high triglycerides"
172. Tubal ligation
139. Tuberculosis
172. Tubes tied
101. Tumor, malignant (or cancerous)
102. Tumor, NA whether malignant or benign
102. Tumors, benign

151. Ulcerative colitis
151. Ulcers (not further specified)
103. Ulcers, skin
151. Ulcers, stomach (peptic or duodenal)
169. Upper motor neuron/motoneuron problems
155. Urinary infections
156. Urinary incontinence/loss/leakage
155. Urosepsis
161. Uveitis

129. Varicose veins
119. Vascular necrosis
129. Vascular disease
172. Vasectomy
139. Ventilatory insufficiency
169. Vertigo
162. Vestibular disorder
193. Virus, NFS
161. Vision problems, NFS
144. Vitamin deficiency

102. Warts
144. Weight problems
C. Occupation Codes

Equivalent numeric codes follow the alphabetic codes. Either code may be used, depending on the processing method. Numbers in parentheses following the industry categories are the 1980 Standard Occupational Classification code equivalents. The abbreviation "pt" means "part" and "n.e.c." means "not elsewhere classified."

MGR Management Occupations
001. Chief Executives
002. General and Operations Managers
003. Legislators
004. Advertising and Promotions Managers
005. Marketing and Sales Managers
006. Public Relations Managers
010. Administrative Services Managers
011. Computer and Information Systems Managers
012. Financial Managers
013. Human Resources Managers
014. Industrial Production Managers
015. Purchasing Managers
016. Transportation, Storage, and Distribution Managers
020. Farm, Ranch, and Other Agricultural Managers
021. Farmers and Ranchers
022. Constructions Managers
023. Education Administrators
030. Engineering Managers
031. Food Service Managers
032. Funeral Directors
033. Gaming Managers
034. Lodging Managers
035. Medical and Health Services Managers
036. Natural Science Managers
040. Postmasters and Mail Superintendents
041. Property, Real Estate, and Community Association Managers
042. Social and Community Service Managers
043. Managers, All Other

BUS Business Operations Specialists
050. Agents and Business Managers of Artists, Performers, and Athletes
051. Purchasing Agents and Buyers, Farm Products
052. Wholesale and Retail Buyers, Except Farm Products
053. Purchasing Agents, Except Wholesale, Retail, and Farm Products
054. Claims Adjusters, Appraisers, Examiners, and Investigators
056. Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation
060. Cost Estimators
062. Human Resources, Training, and Labor Relations Specialists
070. Logisticians
071. Management Analysts
072. Meeting and Convention Planners
073. Other Business Operations Specialists

FIN Financial Specialists
080. Accountants and Auditors
081. Appraisers and Assessors of Real Estate
082. Budget Analysts
083. Credit Analysts
084. Financial Analysts
085. Personal Financial Advisors
086. Insurance Underwriters
090. Financial Examiners
091. Loan Counselors and Officers
093. Tax Examiners, Collectors, and Revenue Agents
094. Tax Preparers
095. Financial Specialists, All Other

CMM  Computer and Mathematical Occupations
100. Computer Scientists and Systems Analysts
101. Computer Programmers
102. Computer Software Engineers
104. Computer Support Specialists
106. Database Administrators
110. Network and Computer Systems Administrators
111. Network Systems and Data Communications Analysts
120. Actuaries
121. Mathematicians
122. Operations Research Analysts
123. Statisticians
124. Miscellaneous Mathematical Scientists and Technicians

ENG  Architecture and Engineering Occupations
130. Architects, Except Naval
131. Surveyors, Cartographers, and Photogrammetrists
132. Aerospace Engineers
133. Agricultural Engineers
134. Biomedical Engineers
135. Chemical Engineers
136. Civil Engineers
140. Computer Hardware Engineers
141. Electrical and Electronics Engineers
142. Environmental Engineers
143. Industrial Engineers, including Health and Safety
144. Marine Engineers and Naval Architects
145. Materials Engineers
146. Mechanical Engineers
150. Mining and Geological Engineers, Including Mining Safety Engineers
151. Nuclear Engineers
152. Petroleum Engineers
153. Engineers, All Other
154. Drafters
155. Engineering Technicians, Except Drafters
156. Surveying and Mapping Technicians

SCI  Life, Physical, and Social Science Occupations
160. Agricultural and Food Scientists
161. Biological Scientists
164. Conservation Scientists and Foresters
165. Medical Scientists
170. Astronomers and Physicists
171. Atmospheric and Space Scientists
172. Chemists and Materials Scientists
174. Environmental Scientists and Geoscientists
176. Physical Scientists, All Other
180. Economists
181. Market and Survey Researchers
182. Psychologists
183. Sociologists
184. Urban and Regional Planners
186. Miscellaneous Social Scientists and Related Workers
190. Agricultural and Food Science Technicians
191. Biological Technicians
192. Chemical Technicians
193. Geological and Petroleum Technicians
194. Nuclear Technicians
196. Other Life, Physical, and Social Science Technicians

CMS Community and Social Services Occupations
200. Counselors
201. Social Workers
202. Miscellaneous Community and Social Service Specialists
204. Clergy
205. Directors, Religious Activities and Education
206. Religious Workers, All Other

LGL Legal Occupations
210. Lawyers
211. Judges, Magistrates, and Other Judicial Workers
214. Paralegals and Legal Assistants
215. Miscellaneous Legal Support Workers

EDU Education, Training, and Library Occupations
220. Postsecondary Teachers
230. Preschool and Kindergarten Teachers
231. Elementary and Middle School Teachers
232. Secondary School Teachers
233. Special Education Teachers
234. Other Teachers and Instructors
240. Archivists, Curators, and Museum Technicians
243. Librarians
244. Library Technicians
254. Teacher Assistants
255. Other Education, Training, and Library Workers

ENT Arts, Design, Entertainment, Sports, and Media Occupations
260. Artists and Related Workers
263. Designers
270. Actors
271. Producers and Directors
272. Athletes, Coaches, Umpires, and Related Workers
274. Dancers and Choreographers
275. Musicians, Singers, and Related Workers
276. Entertainers and Performers, Sports and Related Workers, All Other
280. Announcers
281. News Analysts, Reporters and Correspondents
282. Public Relations Specialists
283. Editors
284. Technical Writers
285. Writers and Authors
286. Miscellaneous Media and Communication Workers
290. Broadcast and Sound Engineering Technicians and Radio Operators
291. Photographers
292. Television, Video, and Motion Picture Camera Operators and Editors
296. Media and Communication Equipment Workers, All Other

MED  Healthcare Practitioners and Technical Occupations
300. Chiropractors
301. Dentists
303. Dieticians and Nutritionists
304. Optometrists
305. Pharmacists
306. Physicians and Surgeons
311. Physician Assistants
312. Podiatrists
313. Registered Nurses
314. Audiologists
315. Occupational Therapists
316. Physical Therapists
320. Radiation Therapists
321. Recreational Therapists
322. Respiratory Therapists
323. Speech-Language Pathologists
324. Therapists, All Other
325. Veterinarians
326. Health Diagnosing and Treating Practitioners, All Other
330. Clinical Laboratory Technologists and Technicians
331. Dental Hygienists
332. Diagnostic Related Technologists and Technicians
340. Emergency Medical Technicians and Paramedics
341. Health Diagnosing and Treating Practitioner Support Technicians
350. Licensed Practical and Licensed Vocational Nurses
351. Medical Records and Health Information Technicians
352. Opticians, Dispensing
353. Miscellaneous Health Technologists and Technicians
354. Other Healthcare Practitioners and Technical Occupations

HLS  Healthcare Support Occupations
360. Nursing, Psychiatric, and Home Health Aides
361. Occupational Therapist Assistants and Aides
362. Physical Therapist Assistants and Aides
363. Massage Therapists
364. Dental Assistants
365. Medical Assistants and Other Healthcare Support Occupations

PRT  Protective Service Occupations
370. First-Line Supervisors/Managers of Correctional Officers
371. First-Line Supervisors/Managers of Police and Detectives
372. First-Line Supervisors/Managers of Fire Fighting and Prevention Workers
373. Supervisors, Protective Service Workers, All Other
374. Fire Fighters
375. Fire Inspectors
380. Bailiffs, Correctional Officers, and Jailers
382. Detectives and Criminal Investigators
383. Fish and Game Wardens
384. Parking Enforcement Workers
385. Police and Sheriff's Patrol Officers
386. Transit and Railroad Police
390. Animal Control Workers
391. Private Detectives and Investigators
392. Security Guards and Gaming Surveillance Officers
394. Crossing Guards
395. Lifeguards and Other Protective Service Workers

**EAT** Food Preparation and Serving Occupations
400. Chefs and Head Cooks
401. First-Line Supervisors/Managers of Food Preparation and Serving Workers
402. Cooks
403. Food Preparation Workers
404. Bartenders
405. Combined Food Preparation and Serving Workers, Including Fast Food
406. Counter Attendant, Cafeteria, Food Concession, and Coffee Shop
411. Waiters and Waitresses
412. Food Servers, Non-restaurant
413. Dining Room and Cafeteria Attendants and Bartender Helpers
414. Dishwashers
415. Host and Hostesses, Restaurant, Lounge, and Coffee Shop
416. Food Preparation and Serving Related Workers, All Other

**CLN** Building and Grounds Cleaning and Maintenance Occupations
420. First-Line Supervisors/Managers of Housekeeping and Janitorial Workers
421. First-Line Supervisors/Managers of Landscaping, Lawn Service, and Grounds Keeping Workers
422. Janitors and Building Cleaners
423. Maids and Housekeeping Cleaners
424. Pest Control Workers
425. Grounds Maintenance Workers

**PRS** Personal Care and Service Occupations
430. First-Line Supervisors/Managers of Gaming Workers
432. First-Line Supervisors/Managers of Personal Service Workers
434. Animal Trainers
435. Nonfarm Animal Caretakers
440. Gaming Services Workers
441. Motion Picture Projectionists
442. Ushers, Lobby Attendants, and Ticket Takers
443. Miscellaneous Entertainment Attendants and Related Workers
446. Funeral Service Workers
450. Barbers
451. Hairdressers, Hairstylists, and Cosmetologists
452. Miscellaneous Personal Appearance Workers
453. Baggage Porters, Bellhops, and Concierges
454. Tour and Travel Guides
455. Transportation Attendants
460. Child Care Workers
461. Personal and Home Care Aides
462. Recreation and Fitness Workers
464. Residential Advisors
465. Personal Care and Service Workers, All Other
**SAL Sales Occupations**
470. First-Line Supervisors/Managers of Retail Sales Workers
471. First-Line Supervisors/Managers of Non-Retail Sales
472. Cashiers
474. Counter and Rental Clerks
475. Parts Salespersons
476. Retail Salespersons
480. Advertising Sales Agents
481. Insurance Sales Agents
482. Securities, Commodities, and Financial Services Sales Agents
483. Travel Agents
484. Sales Representatives, Services, All Other
485. Sales Representatives, Wholesale and Manufacturing
490. Models, Demonstrators, and Product Promoters
492. Real Estate Brokers and Sales Agents
493. Sales Engineers
494. Telemarketers
495. Door-to-Door Sales Workers, News and Street Vendors, and Related Workers
496. Sales and Related Workers, All Other

**OFF Office and Administrative Support Occupations**
500. First-Line Supervisors/Managers of Office and Administrative Support Workers
501. Switchboard Operators, Including Answering Service
502. Telephone Operators
503. Communications Equipment Operators, All Other
510. Bill and Account Collectors
511. Billing and Posting Clerks and Machine Operators
512. Bookkeeping, Accounting, and Auditing Clerks
513. Gaming Cage Workers
514. Payroll and Timekeeping Clerks
515. Procurement Clerks
516. Tellers
520. Brokerage Clerks
521. Correspondence Clerks
522. Court, Municipal, and License Clerks
523. Credit Authorizers, Checkers, and Clerks
524. Customer Service Representatives
525. Eligibility Interviewers, Government Programs
526. File Clerks
530. Hotel, Motel, and Resort Desk Clerks
531. Interviewers, Except Eligibility and Loan
532. Library Assistants, Clerical
533. Loan Interviewers and Clerks
534. New Account Clerks
535. Order Clerks
536. Human Resources Assistants, Except Payroll and Timekeeping
540. Receptionists and Information Clerks
541. Reservation and Transportation Ticket Agents and Travel Clerks
542. Information and Record Clerks, All Other
550. Cargo and Freight Agents
551. Couriers and Messengers
552. Dispatchers
553. Meter Readers, Utilities
554. Postal Service Clerks
555. Postal Service Mail Carriers
556. Postal Service Mail Sorters, Processors, and Processing Machine Operators
560. Production, Planning, and Expediting Clerks
561. Shipping, Receiving, and Traffic Clerks
562. Stock Clerks and Order Fillers
563. Weighers, Measurers, Checkers, and Samplers, Recordkeeping
570. Secretaries and Administrative Assistants
580. Computer Operators
581. Data Entry Keyers
582. Word Processors and Typists
583. Desktop Publishers
584. Insurance Claims and Policy Processing Clerks
585. Mail Clerks and Mail Machine Operators, Except Postal Service
586. Office Clerks, General
590. Office Machine Operators, Except Computer
591. Proofreaders and Copy Markers
592. Statistical Assistants
593. Office and Administrative Support Workers, All Other

FFF Farming, Fishing, and Forestry Occupations
600. First-Line Supervisors/Managers/Contractors of Farming, Fishing, and Forestry Workers
601. Agricultural Inspectors
602. Animal Breeders
604. Graders and Sorters, Agricultural Products
605. Other Agricultural Workers
610. Fishers and Related Fishing Workers
611. Hunters and Trappers
612. Forest and Conservation Workers
613. Logging Worker

CON Construction Trades
620. First-Line Supervisors/Managers of Construction Trades and Extraction Workers
621. Boilermakers
622. Brickmasons, Blockmasons, and Stonemasons
623. Carpenters
624. Carpet, Floor, and Tile Installers and Finishers
625. Cement Masons, Concrete Finishers, and Terrazzo Workers
626. Construction Laborers
630. Paving, Surfacing, and Tamping Equipment Operators
631. Pile-Driver Operators
632. Operating Engineers and Other Construction Equipment Operators
633. Drywall Installers, Ceiling Tile Installers, and Tapers
635. Electricians
636. Glaziers
640. Insulation Workers
642. Painters, Construction and Maintenance
643. Paperhangers
644. Pipelayers, Plumbers, Pipefitters, and Steamfitters
646. Plasterers and Stucco Masons
650. Reinforcing Iron and Rebar Workers
651. Roofers
652. Sheet Metal Workers
653. Structural Iron and Steel Workers
660. Helpers, Construction Trades
666. Construction and Building Inspectors
670. Elevator Installers and Repairers
671. Fence Erectors
672. Hazardous Materials Removal Workers
673. Highway Maintenance Workers
674. Rail-Track Laying and Maintenance Equipment Operators
675. Septic Tank Servicers and Sewer Pipe Cleaners
676. Miscellaneous Construction and Related Workers

EXT Extraction Workers
680. Derrick, Rotary Drill, and Service Unit Operators, Oil, Gas, and Mining
682. Earth Drillers, Except Oil and Gas
683. Explosives Workers, Ordnance Handling Experts, and Blasters
684. Mining Machine Operators
685. Roof Bolters, Mining
686. Roustabouts, Oil and Gas
687. Helpers--Extraction Workers
688. Other Extraction Workers

RPR Installation, Maintenance, and Repair Workers
700. First-Line Supervisors/Managers of Mechanics, Installers, and Repairers
701. Computer, Automated Teller, and Office Machine Repairers
702. Radio and Telecommunications Equipment Installers and Repairers
703. Avionics Technicians
704. Electric Motor, Power Tool, and Related Repairers
705. Electrical and Electronics Installers and Repairers, Transportation Equipment
706. Electrical and Electronics Repairers, Industrial and Utility
707. Electronic Equipment Installers and Repairers, Motor Vehicles
708. Electronic Home Entertainment Equipment Installers and Repairers
709. Security and Fire Alarm Systems Installers
710. Aircraft Mechanics and Service Technicians
711. Automotive Body and Related Repairers
712. Automotive Glass Installers and Repairers
713. Automotive Service Technicians and Mechanics
714. Bus and Truck Mechanics and Diesel Engine Specialists
715. Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics
716. Small Engine Mechanics
717. Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
718. Control and Valve Installers and Repairers
719. Heating, Air Conditioning, and Refrigeration Mechanics and Installers
720. Home Appliance Repairers
721. Industrial and Refractory Machinery Mechanics
722. Maintenance and Repair Workers, General
723. Maintenance Workers, Machinery
724. Millwrights
725. Electrical Power-Line Installers and Repairers
726. Telecommunications Line Installers and Repairers
727. Precision Instrument and Equipment Repairers
728. Coin, Vending, and Amusement Machine Servicers and Repairers
729. Commercial Divers
730. Locksmiths and Safe Repairers
731. Manufactured Building and Mobile Home Installers
732. Riggers
733. Signal and Track Switch Repairers
734. Helpers--Installation, Maintenance, and Repair Workers
735. Other Installation, Maintenance, and Repair Workers
PRD  Production Occupations

770. First-Line Supervisors/Managers of Production and Operating Workers
771. Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
772. Electrical, Electronics, and Electromechanical Assemblers
773. Engine and Other Machine Assemblers
774. Structural Metal Fabricators and Fitters
775. Miscellaneous Assemblers and Fabricators
780. Bakers
781. Butchers and Other Meat, Poultry, and Fish Processing Workers
783. Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
784. Food Batchmakers
785. Food Cooking Machine Operators and Tenders
790. Computer Control Programmers and Operators
792. Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
793. Forging Machine Setters, Operators, and Tenders, Metal and Plastic
794. Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
796. Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
800. Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
801. Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
802. Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
803. Machinists
804. Metal Furnace and Kiln Operators and Tenders
806. Model Makers and Patternmakers, Metal and Plastic
810. Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic
812. Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
813. Tool and Die Makers
814. Welding, Soldering, and Brazing Workers
816. Lay-Out Workers, Metal and Plastic
820. Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic
821. Tool Grinders, Filers, and Sharpeners
822. Metalworkers and Plastic Workers, All Other
823. Bookbinders and Bindery Workers
824. Job Printers
825. Prepress Technicians and Workers
826. Printing Machine Operators
830. Laundry and Dry-Cleaning Workers
831. Pressers, Textile, Garment, and Related Materials
832. Sewing Machine Operators
833. Shoe and Leather Workers and Repairers
834. Shoe Machine Operators and Tenders
835. Tailors, Dressmakers, and Sewers
836. Textile Bleaching and Dyeing Machine Operators and Tenders
840. Textile Cutting Machine Setters, Operators, and Tenders
841. Textile Knitting and Weaving Machine Setters, Operators, and Tenders
844. Fabric and Apparel Patternmakers
845. Upholsterers
846. Textile, Apparel, and Furnishings Workers, All Other
850. Cabinetmakers and Bench Carpenters
851. Furniture Finishers
852. Model Makers and Patternmakers, Wood
854. Woodworking Machine Setters, Operators, and Tenders, Except Sawing
855. Woodworkers, All Other
860. Power Plant Operators, Distributors, and Dispatchers
861. Stationary Engineers and Boiler Operators
862. Water and Liquid Waste Treatment Plant and System Operators
863. Miscellaneous Plant and System Operators
864. Chemical Processing Machine Setters, Operators, and Tenders
865. Crushing, Grinding, Polishing, Mixing, and Blending Workers
871. Cutting Workers
872. Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
873. Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
874. Inspectors, Testers, Sorters, Samplers, and Weighers
875. Jewelers and Precious Stone and Metal Workers
876. Medical, Dental, and Ophthalmic Laboratory Technicians
880. Packaging and Filling Machine Operators and Tenders
881. Painting Workers
883. Photographic Process Workers and Processing Machine Operators
884. Semiconductor Processors
885. Cementing and Gluing Machine Operators and Tenders
886. Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders
890. Cooling and Freezing Equipment Operators and Tenders
891. Etchers and Engravers
892. Molders, Shapers, and Casters, Except Metal and Plastic
894. Tire Builders
895. Helpers--Production Workers
896. Production Workers, All Other

TRN  Transportation and Material Moving Occupations
900. Supervisors, Transportation and Material Moving Workers
903. Aircraft Pilots and Flight Engineers
904. Air Traffic Controllers and Airfield Operations Specialists
911. Ambulance Drivers and Attendants, Except Emergency Medical Technicians
912. Bus Drivers
913. Driver/Sales Workers and Truck Drivers
914. Taxi Drivers and Chauffeurs
915. Motor Vehicle Operators, All Other
920. Locomotive Engineers and Operators
923. Railroad Brake, Signal, and Switch Operators
924. Railroad Conductors and Yardmasters
926. Subway, Streetcar, and Other Rail Transportation Workers
930. Sailors and Marine Oilers
931. Ship and Boat Captains and Operators
933. Ship Engineers
934. Bridge and Lock Tenders
935. Parking Lot Attendants
936. Service Station Attendants
941. Transportation Inspectors
942. Other Transportation Workers
950. Conveyor Operators and Tenders
951. Crane and Tower Operators
952. Dredge, Excavating, and Loading Machine Operators
956. Hoist and Winch Operators
960. Industrial Truck and Tractor Operators
961. Cleaners of Vehicles and Equipment
962. Laborers and Freight, Stock, and Material Movers, Hand
963. Machine Feeders and Off bearers
964. Packers and Packagers, Hand
965. Pumping Station Operators
972. Refuse and Recyclable Material Collectors
973. Shuttle Car Operators
974. Tank Car, Truck, and Ship Loaders
975. Material Moving Workers, All Other

MIL Military Specific Occupations
980. Military Officer Special and Tactical Operations Leaders/Managers
981. First-Line Enlisted Military Supervisors/Managers
982. Military Enlisted Tactical Ops and Air/Weapons Specialists and Crew members
983. Military, Rank Not Specified (Census only)
999. DK; NA; Don’t know; Not ascertained

Source: U.S. Census Bureau, Demographic Surveys Division,
Created: August 7 2001
D. Industry Codes

Equivalent numeric codes follow the alphabetic codes. Either code may be used, depending on the processing method. Numbers in parentheses following the industry categories are the SIC definitions. The abbreviation "pt" means "part" and "n.e.c." means "not elsewhere classified."

AGRICULTURE, FORESTRY, FISHING, AND HUNTING
017. Crop production
018. Animal production
019. Forestry except logging
027. Logging
028. Fishing, hunting, and trapping
029. Support activities for agriculture and forestry

MINING
037. Oil and gas extraction
038. Coal mining
039. Metal ore mining
047. Nonmetallic mineral mining and quarrying
048. Not specified type of mining
049. Support activities for mining

UTILITIES
057. Electric power generation transmission and distribution
058. Natural gas distribution
059. Electric and gas and other combinations
067. Water, steam, air-conditioning, and irrigation systems
068. Sewage treatment facilities
069. Not specified utilities

CONSTRUCTION
077. Construction

MANUFACTURING
107. Animal food, grain, and oilseed milling
108. Sugar and confectionery products
109. Fruit and vegetable preserving and specialty food manufacturing
117. Dairy product manufacturing
118. Animal slaughtering and processing
119. Retail bakeries
127. Bakeries except retail
128. Seafood and other miscellaneous foods n.e.c.
129. Not specified food industries
137. Beverage manufacturing
139. Tobacco manufacturing
147. Fiber, yarn, and thread mills
148. Fabric mills, except knitting
149. Textile and fabric finishing and coating mills
157. Carpets and rugs manufacturing
159. Textile product mills except carpets and rugs
167. Knitting mills
168. Cut and sew apparel manufacturing
169. Apparel accessories and other apparel manufacturing
177. Footwear manufacturing
179. Leather tanning and products, except footwear manufacturing
187. Pulp, paper, and paperboard mills
188. Paperboard containers and boxes
189. Miscellaneous paper and pulp products
199. Printing and related support activities
207. Petroleum refining
209. Miscellaneous petroleum and coal products
217. Resin, synthetic rubber and fibers, and filaments manufacturing
218. Agricultural chemical manufacturing
219. Pharmaceutical and medicine manufacturing
227. Paint, coating, and adhesives manufacturing
228. Soap, cleaning compound, and cosmetic manufacturing
229. Industrial and miscellaneous chemicals
237. Plastics product manufacturing
238. Tire manufacturing
239. Rubber products, except tires, manufacturing
247. Pottery, ceramics, and related products manufacturing
248. Glass and glass product manufacturing
257. Cement, concrete, lime, and gypsum product manufacturing
259. Miscellaneous nonmetallic mineral product manufacturing
267. Iron and steel mills and steel product manufacturing
268. Aluminum production and processing
269. Nonferrous metal, except aluminum, production and processing
277. Foundries
278. Metal forgings and stampings
279. Cutlery and hand tool manufacturing
287. Structural metals and tank and shipping container manufacturing
288. Machine shops; turned product; screw nut and bolt manufacturing
289. Coating, engraving, heat treating and allied activities
297. Ordnance
298. Miscellaneous fabricated metal products manufacturing
299. Not specified metal industries
307. Agricultural implement manufacturing
308. Construction mining and oil field machinery manufacturing
309. Commercial and service industry machinery manufacturing
317. Metalworking machinery manufacturing
318. Engines, turbines, and power transmission equipment manufacturing
319. Machinery manufacturing, n.e.c.
329. Not specified machinery manufacturing
336. Computer and peripheral equipment manufacturing
337. Communications, audio, and video equipment manufacturing
338. Navigation, measuring, electrometrical, and control instruments manufacturing
339. Electronic component and product manufacturing, n.e.c.
347. Household appliance manufacturing
349. Electrical machinery, equipment, and supplies manufacturing, n.e.c.
357. Motor vehicles and motor vehicle equipment manufacturing
358. Aircraft and parts manufacturing
359. Aerospace product and parts manufacturing
367. Railroad rolling stock manufacturing
368. Ship and boat building
369. Other transportation equipment manufacturing
377. Sawmills and wood preservation
378. Veneer, plywood, and engineered wood product manufacturing
379. Prefabricated wood buildings and mobile homes manufacturing
387. Miscellaneous wood product manufacturing
389. Furniture and fixtures
396. Medical equipment and supplies manufacturing
397. Toys, amusement, and sporting goods manufacturing
398. Miscellaneous manufacturing, n.e.c.
399. Not specified manufacturing industries

WHOLESALE TRADE
407. Motor vehicles, parts and supplies wholesalers
408. Furniture and home furnishing wholesalers
409. Lumber and other construction materials wholesalers
417. Professional and commercial equipment and supplies wholesalers
418. Metals and minerals, except petroleum, wholesalers
419. Electrical goods wholesalers
426. Hardware, plumbing and heating equipment, and supplies wholesalers
427. Machinery, equipment, and supplies wholesalers
428. Recyclable material wholesalers
429. Miscellaneous durable goods wholesalers
437. Paper and paper product wholesalers
438. Drugs, sundries, and chemical and allied product wholesalers
439. Apparel, fabrics, and notions wholesalers
447. Groceries and related product wholesalers
448. Farm product raw material wholesalers
449. Petroleum and petroleum product wholesalers
456. Alcoholic beverage wholesalers
457. Farm supplies wholesalers
458. Miscellaneous nondurable goods wholesalers
459. Not specified wholesale trade

RETAIL TRADE
467. Automobile dealers
468. Other motor vehicle dealers
469. Auto parts, accessories, and tire stores
477. Furniture and home furnishings stores
478. Household appliance stores
479. Radio, TV, and computer stores
487. Building material and supplies dealers
488. Hardware stores
489. Lawn and garden equipment and supplies stores
497. Grocery stores
498. Specialty food stores
499. Beer, wine, and liquor stores
507. Pharmacies and drug stores
508. Health and personal care, except drug, stores
509. Gasoline stations
517. Clothing and accessories, except shoe, stores
518. Shoe stores
519. Jewelry, luggage, and leather goods stores
527. Sporting goods, camera, and hobby and toy stores
528. Sewing, needlework and piece goods stores
529. Music stores
537. Book stores and news dealers
538. Department stores
539. Miscellaneous general merchandise stores
547. Retail florists
548. Office supplies and stationary stores
549. Used merchandise stores
557. Gift, novelty, and souvenir shops
558. Miscellaneous retail stores
559. Electronic shopping and mail-order houses
567. Vending machine operators
568. Fuel dealers
569. Other direct selling establishments
579. Not specified retail trade

TRANSPORTATION AND WAREHOUSING
607. Air transportation
608. Rail transportation
609. Water transportation
617. Truck transportation
618. Bus service and urban transit
619. Taxi and limousine service
627. Pipeline transportation
628. Scenic and sightseeing transportation
629. Services incidental to transportation
637. Postal Service
638. Courier and messengers
639. Warehousing and storage

INFORMATION
647. Newspaper publishers
648. Publishing except newspapers and software
649. Software publishing
657. Motion pictures and video industries
659. Sound recording industries
667. Radio and television broadcasting and cable
668. Wired telecommunications carriers
669. Other telecommunication services
677. Libraries and archives
678. Other information services
679. Data processing services

FINANCE AND INSURANCE
687. Banking and related activities
688. Savings institutions, including credit unions
689. Non-depository credit and related activities
697. Securities, commodities, funds, trusts, and other financial investments
698. Insurance carriers and related activities

REAL ESTATE AND RENTAL AND LEASING
707. Real estate
708. Automotive equipment rental and leasing
717. Video tape and disk rental
718. Other consumer goods rental
719. Commercial, industrial, and other intangible assets rental and leasing

PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
727. Legal services
728. Accounting, tax preparation, bookkeeping and payroll services
729. Architectural, engineering, and related services
737. Specialized design services
738. Computer systems design and related services
739. Management, scientific and technical consulting services
746. Scientific research and development services
747. Advertising and related services
748. Veterinary services
749. Other professional, scientific and technical services

**MANAGEMENT, ADMINISTRATIVE AND SUPPORT, AND WASTE MANAGEMENT SERVICES**
757. Management of companies and enterprises
758. Employment services
759. Business support services
767. Travel arrangement and reservation services
768. Investigation and security services
769. Services to buildings and dwellings
777. Landscaping services
778. Other administrative and other support services
779. Waste management and remediation services

**EDUCATIONAL SERVICES**
786. Elementary and secondary schools
787. Colleges and universities, including junior colleges
788. Business, technical, and trade schools and training
789. Other schools, instruction, and educational services

**HEALTH CARE AND SOCIAL ASSISTANCE**
797. Offices of physicians
798. Offices of dentists
799. Office of chiropractors
807. Offices of optometrists
808. Offices of other health practitioners
809. Outpatient care centers
817. Home health care services
818. Other health care services
819. Hospitals
827. Nursing care facilities
829. Residential care facilities, without nursing
837. Individual and family services
838. Community food and housing, and emergency services
839. Vocational rehabilitation services
847. Child day care services

**ARTS, ENTERTAINMENT, AND RECREATION**
856. Independent artists, performing arts, spectator sports, and related industries
857. Museums, art galleries, historical sites, and similar Institutions
858. Bowling centers
859. Other amusement, gambling, and recreation industries

**Accommodations and Food Services**
866. Traveler accommodation
867. Recreational vehicle parks and camps, and rooming and boarding houses
868. Restaurants and other food services
869. Drinking places, alcoholic beverages

**OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)**
877. Automotive repair and maintenance
878. Car washes
879. Electronic and precision equipment repair and maintenance
887. Commercial and industrial machinery and equipment repair and maintenance
888. Personal and household goods repair and maintenance
889. Footwear and leather goods repair
897. Barber shops
898. Beauty salons
899. Nail salons and other personal care services
907. Dry cleaning and laundry services
908. Funeral homes, cemeteries and crematories
909. Other personal services
916. Religious organizations
917. Civic, social, advocacy organizations, and grantmaking and giving services
918. Labor unions
919. Business, professional, political, and similar Organizations
929. Private households

PUBLIC ADMINISTRATION AND ACTIVE DUTY MILITARY
937. Executive offices and legislative bodies
938. Public finance activities
939. Other general government and support
947. Justice, public order, and safety activities
948. Administration of human resource programs
949. Administration of environmental quality and housing programs
957. Administration of economic programs and space research
959. National security and international affairs
967. U.S. Army
968. U.S. Air Force
969. U.S. Navy
977. U.S. Marines
978. U.S. Coast Guard
979. U.S. Armed Forces, branch not specified
987. Military Reserves or National Guard
999. DK; NA; Don’t know; Not ascertained
E. State and Country Codes

E1. STATES
01. Alaska (AK)
02. Alabama (AL)
53. American Samoa, Guam
03. Arizona (AZ)
04. Arkansas (AR)

05. California (CA)
06. Colorado (CO)
07. Connecticut (CT)

08. Delaware (DE)
51. Dist. of Columbia (DC)

09. Florida (FL)
10. Georgia (GA)
53. Guam (GU)

11. Hawaii (HI)
12. Idaho (ID)
13. Illinois (IL)
14. Indiana (IN)
15. Iowa (IA)

16. Kansas (KS)
17. Kentucky (KY)

18. Louisiana (LA)
19. Maine (ME)
20. Maryland (MD)
21. Massachusetts (MA)
22. Michigan (MI)
23. Minnesota (MN)
24. Mississippi (MS)
25. Missouri (MO)
26. Montana (MT)

27. Nebraska (NE)
28. Nevada (NV)
29. New Hampshire (NH)
30. New Jersey (NJ)
31. New Mexico (NM)
32. New York (NY)
33. North Carolina (NC)
34. North Dakota (ND)

35. Ohio (OH)
36. Oklahoma (OK)
37. Oregon (OR)
53. Panama Canal Zone
38. Pennsylvania (PA)
52. Puerto Rico (PR)

39. Rhode Island (RI)

40. South Carolina (SC)
41. South Dakota (SD)

42. Tennessee (TN)
43. Texas (TX)

44. Utah (UT)

45. Vermont (VT)
53. (U.S.) Virgin Islands
46. Virginia (VA)

47. Washington (WA)
51. Washington, D.C. (DC)
48. West Virginia (WV)
49. Wisconsin (WI)
50. Wyoming (WY)

E2. OTHER U.S.
51. District of Columbia; Washington, D.C.
52. Puerto Rico
53. Guam, American Samoa, U.S. Virgin Islands, Panama Canal Zone

59. USA, NA which state

E3. OTHER COUNTRIES

97. Other Country

98. DK
99. NA