HEALTH AND RETIREMENT STUDY

Parent State Codes
All Cohorts, 1998-2020

Restricted Data

Data Description

Version 5.0 (Early), May 2023

To the Restricted Data Investigator: This restricted data set is intended for exclusive use by you and the persons specified in the *Agreement for Use of Restricted Data from the Health and Retirement Study* and/or the *Supplemental Agreement with Research Staff for Use of Restricted Data from the Health and Retirement Study*.

If there are any questions about this data set and its use, refer to the HRS Restricted Data Web Site (http://hrsonline.isr.umich.edu/rda) or contact the HRS Help Desk (hrsquestions@umich.edu).

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1. Overview

The Health and Retirement Study (HRS) is a national longitudinal study of the economic, health, marital, and family status, as well as public and private support systems, of older Americans. The HRS is a rich source of longitudinal, cross-sectional data for researchers and policymakers who study aging. Funding for the Health and Retirement Study is provided by the National Institute on Aging at NIH (U01 AG009740), with supplemental support from the Social Security Administration. The study is conducted by the Institute for Social Research (ISR) at the University of Michigan.

2. Obtaining the Data

2a. Access to Restricted Data

Although most HRS data sets are available to the public without restriction, certain HRS data sets contain sensitive respondent information and are only available under terms of a formal agreement negotiated between the researcher and HRS. Prospective users of HRS restricted geocode data have two access options:

- MiCDA Enclave Virtual Desktop Infrastructure (recommended)
- Traditional Licensing Agreement (deprecated)

For instructions on how to proceed, visit the HRS Restricted Data Web site or contact the HRS Restricted Data Applications Processing Team (hrsrdaapplication@umich.edu) by email.

2b. Restricted Data Agreement

This restricted data set is intended for exclusive use by you and the persons specified in the *Confidentiality Agreement for Use of Restricted Data from the Health and Retirement Study.* Traditional licensing agreements that include multiple users are also bound by the *Supplemental Agreement with Research Staff for Use of Restricted Data from the Health and Retirement Study*.

2c. Publications Based on Restricted Data

Your restricted data agreement requires that you inform HRS of any papers, publications, or presentations based on this restricted data set. You may send a bibliographical reference (including a URL link whenever possible) for each item to hrsrdaapplication@umich.edu with "Attn: Papers and Publications" in the subject line. If possible, you should also include a PDF-formatted copy of the publication.

As an alternative, you may transmit publications in paper format by postal mail:

```
Health and Retirement Study
Attn: Papers and Publications
The Institute for Social Research, Room 3450
P.O. Box 1248
Ann Arbor, Michigan  48106-1248
```

3. Data Set Content

This version of the *Parent State Codes* data set is constructed from data elements drawn from the original Surveycraft and Blaise Interview extract files and contains state identifiers as described in Table 1. The codeframe for the parent state variables is described in Table 2. The file is keyed on HHID and PN and matches the current version of the tracker file[1].

Table 1: Parent State Variables by Interviewing Year

INTERVIEW	STATE MOTHER LIVE	STATE FATHER LIVE	STATE MOTHER-IN-LAW LIVE	STATE FATHER-IN-LAW LIVE	STATE PARENTS LIVE	STATE PARENTS-IN-LAW LIVE
1998 Core	F1953	F1966	F2115	F2128	F1940	F2102
2000 Core	G2169	G2182	G2356	G2369	G2156	G2343
2002 Core	HF052	HF068			HF036	
2004 Core	JF052	JF068			JF036	
2006 Core	KF052	KF068			KF036	
2008 Core	LF052	LF068			LF036	
2010 Core	MF052	MF068			MF036	
2012 Core	NF052	NF068			NF036	
2014 Core	OF052	OF068			OF036	
2016 Core	PF052	PF068			PF036	
2018 Core	QF052	QF068			QF036	
2020 Core	RF052	RF068			RF036	

[1] The HRS tracker file is created to facilitate the use of HRS data within and across waves. It contains one record for every person who was ever eligible to be interviewed in any wave. The tracker file version used in preparation of this dataset (Tracker 2020) covers all types of interviews (core, exit, and post-exit) for 1992 through the 2020 interviewing year.

Table 2: Codeframe for Parent State Variables

Name	HRS code	USPS*	FIPS code*
Alabama	01	AL	01
Alaska	02	AK	02
Arizona	03	AZ	04
Arkansas	04	AR	05
California	05	CA	06
Colorado	06	CO	08
Connecticut	07	CT	09
Delaware	08	DE	10
District of Columbia	51	DC	11
Florida	09	FL	12
Georgia	10	GA	13
Hawaii	11	HI	15
Idaho	12	ID	16
Illinois	13	IL	17
Indiana	14	IN	18
Iowa	15	IA	19
Kansas	16	KS	20
Kentucky	17	KY	21
Louisiana	18	LA	22
Maine	19	ME	23
Maryland	20	MD	24
Massachusetts	21	MA	25
Michigan	22	MI	26
Minnesota	23	MN	27
Mississippi	24	MS	28
Missouri	25	MO	29
Montana	26	MT	30
Nebraska	27	NE	31
Nevada	28	NV	32
New Hampshire	29	NH	33
New Jersey	30	NJ	34
New Mexico	31	NM	35
New York	32	NY	36
North Carolina	33	NC	37
North Dakota	34	ND	38
Ohio	35	OH	39
Oklahoma	36	OK	40

Oregon	37	OR	41
Pennsylvania	38	PA	42
Puerto Rico	52	PR	72
Rhode Island	39	RI	44
South Carolina	40	SC	45
South Dakota	41	SD	46
Tennessee	42	TN	47
Texas	43	TX	48
Utah	44	UT	49
Vermont	45	VT	50
Virginia	46	VA	51
Washington	47	WA	53
West Virginia	48	WV	54
Wisconsin	49	WI	55
Wyoming	50	WY	56
USA, NA which state	59		
Same state	96		
Other US territory	97		
DK/NA/refused	98		

***Note:** USPS and FIPS state codes are included for comparison purposes. They do not appear in the actual data.

4. If You Need to Know More

This document is intended to serve as a brief overview that provides guidelines for using this data product. 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.

4a. HRS Internet Site

Health and Retirement Study public release data and additional information about the study are available on the Internet. To access public data or to find out more about restricted data products and procedures, visit the HRS Web site.

4b. Contact Information

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

Internet: Help Desk at the HRS Web site (https://hrs.isr.umich.edu/help)

E-mail: hrsquestions@umich.edu

Postal Service:
Health and Retirement Study
The Institute for Social Research
426 Thompson Street, 3450 ISR
Ann Arbor, Michigan 48104

Appendix: Installation (Traditional License Only)

1. Distribution Set

This data set is packaged for distribution in a .ZIP file, `ParentState2020.zip`. In order to keep the contents secure, the .ZIP file has been encrypted using WinZIP 256 bit AES encryption. Extract the data file(s), the program statement file(s) matching your analysis environment, the data description (this file), and the codebook file. If you require a special file format or experience system problems, please contact the HRS Help Desk. If all files are decompressed, they will require approximately 33 MB of free space on your storage device.

1-1. Windows Environment

Copy the ZIP file to the Windows folder where you plan to do your work Use a third-party[2] file compression/decompression tool such as **WinZIP** or **7-zip** to extract the ZIP folder contents. When you are prompted for the pass-phrase, respond with the character string that you received via e-mail. The output will be the files listed in Table A1.

1-2. UNIX/Linux Environment

Copy the ZIP file to the folder where you plan to do your work. Use the ZIP file decompression software installed on your system, (e.g. **7-zip, gunzip**) to decrypt and extract the ZIP folder contents. When you are prompted for the pass-phrase, respond with the character string that you received via e-mail. The output will be the files listed in Table 1.

1-3. Macintosh OS X Environment (10.4.x and above)

Copy the ZIP file to the folder where you plan to do your work and use **Stuffit-Expander** to decrypt and extract the ZIP folder contents. When you are prompted for the pass-phrase, respond with the character string that you received via e-mail. The output will be the files listed in Table 1.

Note: MiCDA Enclave Virtual Desktop Environment users are given access to pre-built SAS, Stata and SPSS versions of this dataset; therefore the information in this appendix does not apply to such users.

[2] The built-in Windows decompression utility will not process AES-256bit encrypted zip files; it halts with "an unexpected error is keeping you from copying the file".

Table A1: Contents of Distribution Package

Directory[3]	File	Type
c:\geoparent\	ParentState2020.zip	zip file
c:\geoparent\docs\	PARENTSTATE2020.txt	Codebook files (ASCII text)
c:\geoparent\ascii\data\	PARENTSTATE2020.da	Data files (ASCII text)
c:\geoparent\ascii\sas\	PARENTSTATE2020.sas	SAS program statements
c:\geoparent\ascii\spss\	PARENTSTATE2020.sps	SPSS program statements
c:\geoparent\ascii\stata\	PARENTSTATE2020.do, PARENTSTATE2020.dct	Stata dictionary and "do" files
c:\geoparent\built\sas\	PARENTSTATE2020.sas7bdat	SAS system file
c:\geoparent\built\spss\	PARENTSTATE2020.sav	SPSS system file
c:\geoparent\built\stata\	PARENTSTATE2020.dta	Stata system file

2. Program Statements

ASCII data files are distributed with associated SPSS, SAS or Stata program statements to read the data and create a system files. Files containing SPSS statements are named with an .sps extension, those with SAS statements with an .sas extension, and those with Stata statements with .do and .dct extensions.

2-1. Using the Files with SAS

To create a SAS system file for this data set, two file types must be present – the .sas program statement file and the .da (data) file. Begin by opening the *.sas file in the SAS Program Editor. If the *.sas file is located in "c:\geoparent\sas" and the data file is located in "c:\geoparent\data", you can run the file as is. A SAS system will be saved to directory "c:\geoparent\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.

2-2. Using the Files with SPSS

To create an SPSS system file for this data set, two file types must be present – the .sps program statement files and the .da (data) file. Begin by opening the *.sps file in SPSS as an SPSS Syntax File. If the *.sps file is located in "c:\geoparent\spss" and the data file is located in "c:\geoparent\data", you can run the file as is. An SPSS system file will be saved to directory "c:\geoparent\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.

2-3. Using the Files with Stata

To use Stata with this data set, the following three file types must be present – the .dct (dictionary) file, .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:\geoparent\stata" and the data file is located in "c:\geoparent\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.

[3] While a specific setup is not required for using HRS files, we have traditionally suggested a directory structure for the Windows environment. By using this directory structure (or a Unix equivalent), you will not have to change the path name references in your data descriptor files. If you use a different structure, just change the directory references in the program files.

3. Non-Windows Environments

Non-Microsoft users should modify the default Windows file structure syntax to match that of their own operating system. The following examples should work for both Macintosh OS X and any Unix/Linux distribution. Open the SAS program file(s), SPSS syntax file(s) or the Stata do/dct files in an ASCII editor and make the changes indicated below.

3.1 SPSS in an OSX environment

In this example, we assume that the user has extracted the files from the *Parent State 2020* data set and placed them in a **Desktop** folder called **ps18** with the ASCII data file stored in subfolder **data** and the syntax file in subfolder **spss**. Then the commands in the syntax file would be modified to look like this:

```
FILE HANDLE ps20 /name='Desktop/ps20/data/parentstate2020.da' RECL=112.
DATA LIST FILE= ps20/
HHID 1-6(A)
[rest of syntax file goes here]
.
execute.
SAVE /outfile 'Desktop/ps20/spss/parentstate2020.sav'.
Execute.
```

3.2 STATA in an OS X Environment

In the following example we assume that:

- The username is "user1"
- The encrypted zip file containing *Parent State 2020* data has been copied to the user's desktop from the CDROM sent by HRS.
- The user has decrypted /decompressed the zip file (use Stuffit for OS X) into a desktop folder named **ps20**
- The statistical package is stata

File `PARENTSTATE2020.do` should be modified as follows:

Change…

```
infile using c:\geoparent\stata\parentstate2020.dct
```

To…

```
infile using /Users/user1/Desktop/ps20/stata/parentstate2020.dct
```

Change…

```
save c:\geoparent\stata\parentstate2020.dta
```

To…

```
save /Users/user1/Desktop/ps20/stata/parentstate2020.dta
```

File `PARENTSTATE2020.dct` should be modified as follows:

Change…

```
dictionary using c:\geoparent\data\parentstate2020.da {…}
```

To…

```
dictionary using /Users/user1/Desktop/ps20/data/parentstate2020.da {…}
```