SAS User File for H186 Data

This file contains information and sample SAS programs to create a permanent SAS dataset for users who want to use SAS in processing the MEPS data provided in this PUF release.

There are two ways to create a permanent SAS dataset, using either the SAS transport data file (H186.SSP) or the ASCII data file (H186.DAT) supplied in this PUF release. Section A provides a sample SAS program for the first alternative, which is to convert the SAS transport data file to a regular SAS dataset using the SAS PROCedure: XCOPY. Section B provides a sample SAS program for the second alternative, which is to read data from the ASCII data file using a SAS DATA step with INFILE, INPUT, and LABEL statements. Section C explains format-related SAS statements that a user may optionally use when working with the SAS dataset. Examples of SAS programs (DATA step or PROC) are provided in all three sections, primarily for the benefit of inexperienced users. Section D contains complete SAS statements that must be used in the programs described in Sections B and C.

INCLUDED BELOW ARE NOTES APPLICABLE TO USERS OF SAS VERSION 8 OR HIGHER.

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The sample SAS programs provided in Sections A and B show how to create a permanent SAS dataset from the data files provided in this PUF release.

A.   A Sample SAS Program for Converting the SAS Transport File to a Permanent SAS Dataset

The SAS PROCedure XCOPY will read a SAS transport file and convert the data to regular SAS format, storing the output in a permanent SAS dataset. This permanent SAS dataset can then be used for all future processing and analyses.

Below is a sample SAS program that can be used to convert the SAS transport file to a permanent SAS dataset (in a Windows environment, with SAS V8 or higher).

```
     LIBNAME PUFLIB 'C:\MEPS\SASDATA';
     FILENAME IN1 'C:\MEPS\DOWNLOAD\H186.SSP';

     PROC XCOPY IN=IN1 OUT=PUFLIB IMPORT;
     RUN;
```

SAS transport files, SAS data files, and SAS program files each should be stored in separate locations (directory names). Storing different types of SAS files in one location can cause errors with converting or retrieving data.

Below are SAS statements to print a list of variables and a few sample records from the permanent SAS dataset:

```
     PROC CONTENTS DATA=PUFLIB.H186;
     TITLE 'List of Variables in MEPS H186 SAS Dataset';
     RUN;

     PROC PRINT DATA=PUFLIB.H186 (OBS=20);
     TITLE 'First 20 Observations in MEPS H186 SAS Dataset';
     RUN;
```

The LIBNAME statement tells SAS the location (directory name) to store the permanent SAS dataset which is output by PROC XCOPY. The FILENAME statement tells SAS the location (complete directory and file name) of the input SAS transport data file.

NOTES:

1) If you have an error reading a SAS data file you created, the problem may be a result of where you are storing and/or how you are retrieving the data. First check the data library for multiple releases of SAS files (e.g., V8 or higher with file extensions of '.SAS7BDAT' and V6 with file extensions of '.SD2') stored in the same location.

   a) You can avoid errors when reading these files by including the SAS release within the LIBNAME statement - e.g.,

   ```
           LIBNAME PUFLIB V8 'C:\MEPS\SASDATA';
   ```

   or

   b) Store SAS data files with different file extensions such as .SD2 and .SAS7BDAT, in separate folders (do not co-mingle V8 and V6 files in the same folder);

   or

   c) When importing transport files, output the SAS dataset to a different library than the one which contains the downloaded SAS transport file - e.g.,

   ```
           LIBNAME PUFLIB 'C:\MEPS\SASDATA';
           FILENAME IN1 'C:\MEPS\DOWNLOAD\Hxxx.SSP';
           PROC XCOPY IN=IN1 OUT=PUBLIB IMPORT;
           RUN;
   ```

2) The names used in the LIBNAME and FILENAME statements shown above (i.e., PUFLIB, IN1) are arbitrary; they are only temporary aliases.

3) The directory and file names used in the LIBNAME and FILENAME statements shown above are Windows syntax and may need to be modified for other operating systems such as UNIX, MAC/OS, VMS, or OS/2.

4) H186 is the internal SAS dataset name (also the PC file name, without the extension) prior to the creation of the SAS transport data file. After running PROC XCOPY, the output SAS dataset assumes the same dataset name (or file name). Hence, in the example above, a file named H186.SAS7BDAT will be created under the C:\MEPS\SASDATA directory when PROC XCOPY runs successfully.

5) The SAS transport file H186.SSP was created from a SAS V9 data file, using PROC COPY. This file has been tested for use with SAS V8 or higher. This file may work with earlier versions of SAS, although it has not been tested with those versions. Users who are unable to use this SAS transport file should instead convert the ASCII data file H186.DAT to a SAS dataset as described in Section B.

B.   A Sample SAS Program for Converting the ASCII Data File to a Permanent SAS Dataset

The complete SAS statements (INPUT and LABEL) included in Section D are intended to save time for those users wishing to create a permanent SAS dataset from the H186.DAT ASCII data file. These statements must be used in combination with other SAS statements to create the appropriate SAS program, as shown below. To use the statements provided in Section D to create a SAS program, you will need an ASCII text editor. If you are using an interactive form of SAS (Windows, UNIX, OS2, etc.), use the editor provided as part of the SAS software.

Following is a sample SAS program that will convert the ASCII data file to SAS format:

```
     LIBNAME PUFLIB 'C:\MEPS\SASDATA';
     FILENAME IN1 'C:\MEPS\DOWNLOAD\H186.DAT';

     DATA PUFLIB.H186;
     INFILE IN1 LRECL=223;
     INPUT .....; * to user: insert the complete INPUT statement that is
provided in Section D;
     LABEL .....; * to user: insert the complete LABEL statement that is
provided in Section D;
     RUN;
```

Here is an explanation of the SAS statements used in the program above.

LIBNAME statement: This tells SAS the location (directory name) of the permanent SAS dataset.

FILENAME statement: This tells SAS the location of the input ASCII data file.

DATA statement: This signifies the beginning of a SAS DATA step and specifies the output SAS dataset, referencing the LIBNAME entry (PUFLIB) and assigning an internal SAS dataset name (H186). In the example, after the successful completion of the DATA step, a PC file named H186.SAS7BDAT would have been created in the C:\MEPS\SASDATA directory.

INFILE statement: This tells SAS the location (directory and file name) of the input ASCII data file. Also provided is the logical record length (223 bytes), with the default of RECFM=V implied when this parameter is omitted. LRECL and RECFM are optional parameters in the INFILE statement. With regard to these options, please note the following: the ASCII data file H186.DAT contains a 2-byte carriage return/line feed at the end of each record. When converting to a PC-SAS file, the LRECL option should be used to specify the record length to avoid use of a default record length by PC-SAS. If the RECFM=V option is used, the LRECL option must be specified as the logical record length (e.g., 223 for H186.DAT). If RECFM=F is used, then the LRECL value must be specified as the logical record length plus 2 (225 for H186.DAT). Note that if the RECFM option is omitted, then the default option of RECFM=V is automatically used, and LRECL should be specified as the logical record (223 for H186.DAT).

INPUT statement: This specifies the input record layout, giving names and the beginning and ending column positions for data items (which become SAS variables) in the ASCII data file (H186.DAT). Variable type (numeric or character) is also defined via the INPUT statement.

LABEL statement: This associates descriptive names with the SAS variables.

RUN statement: This tells SAS to execute all commands up to this point.

See Section A.1 above for tips on retrieving and storing the permanent SAS data files.

C.   Optional Format-related SAS Statements

If a user wants to use formats for the SAS variables, a SAS format library must first be created. Below is a SAS program that will accomplish this:

```
     LIBNAME PUFLIB 'C:\MEPS\SASDATA';

     PROC FORMAT LIBRARY=PUFLIB;
     VALUE .....; * to user: insert the complete set of VALUE statements found
in Section D;
     VALUE .....;
     .......... ;
     RUN;
```

Below is an example of how to use the SAS formats defined by the PROC FORMAT procedure:

```
     LIBNAME PUFLIB 'C:\MEPS\SASDATA';
     OPTIONS FMTSEARCH=(PUFLIB);

     PROC FREQ DATA=PUFLIB.H186;
     TABLES .... / LIST MISSING;
     FORMAT varnam1 fmtnam1.  Varnam2 fmtnam2.  .... ;
     * to user: substitute varnam1 and fmtnam1 with actual variable names and
format names;
     *      Insert the FORMAT statement provided in Section D, if you are using
all the variables in the TABLES statement;
     TITLE 'Frequency Distributions ....';
     RUN;
```

Here is an explanation of the SAS statements used above.

LIBNAME statement: This tells SAS the location (directory name) of the SAS format library. Please note that SAS datasets (file name extension is 'SAS7BDAT' for SAS V8 or higher and 'SD2' for SAS V6) and format libraries (file name extension is 'SAS7BCAT' for SAS V8 or higher and 'SC2' for SAS V6) can be stored under the same directory.

OPTIONS FMTSEARCH=...: This specifies the SAS format library.

PROC FORMAT statement: This identifies the SAS procedure that will make SAS formats according to VALUE statements. Formats will be stored in a file named FORMATS.SAS7BCAT. Please note that the option 'LIBRARY=...' can be omitted if the user does not want to create a permanent SAS format library. When simply 'PROC FORMAT;' is used, the formats are defined only for the duration of the batch SAS program or an interactive SAS session.

VALUE statement: This gives a) names to formats; and b) descriptive labels for individual values, or range of values. The format names can then be invoked using a FORMAT statement if desired.

PROC FREQ statement: This identifies the SAS procedure that generates frequency distributions of variables specified in the TABLES statement, formatted if a FORMAT statement is used. The input SAS dataset is specified in the 'DATA=' option.

FORMAT statement: This associates existing formats with variables. When using this statement, the formats must have already been created with a PROC FORMAT procedure.

RUN statement: This tells SAS to execute all commands up to this point.

NOTES:

1) Use of formats is entirely optional, and depends on the types of analyses that you are doing. It is recommended that you create and use them as appropriate.

2) The names used in the LIBNAME and FILENAME statements shown above (i.e., PUFLIB, IN1) are arbitrary; they are only temporary aliases.

3) You only create the permanent SAS dataset once. Additional analyses can be run using this permanent dataset.

4) The file and directory specifications in the LIBNAME and FILENAME statements are Windows syntax and may need to be modified for other operating systems such as UNIX, MAC/OS, VMS, or OS/2.

D. SAS Statements

This section contains SAS INPUT, LABEL, FORMAT, and VALUE statements for use in converting the ASCII H186.DAT file into a SAS dataset, and for creating SAS formats.

```
* INPUT STATEMENTS;
INFILE IN LRECL=223;

INPUT @1      DUID      5.0
      @6      PID       3.0
      @9      DUPERSID $8.0
      @17     PANEL     2.0
      @19     FAMID13  $2.0
      @21     RULETR13 $2.0
      @23     RUSIZE13  2.0
      @25     RUCLAS13  1.0
      @26     FAMSIZ13  2.0
      @28     REGION13  1.0
      @29     RNDREF13  3.0
      @32     RDRESP13  1.0
      @33     PROXY13   1.0
      @34     BEGRFM13  2.0
      @36     BEGRFY13  4.0
      @40     ENDRFM13  2.0
      @42     ENDRFY13  4.0
      @46     KEYNESS   1.0
      @47     INSCOP13  1.0
      @48     PSTAT13   2.0
      @50     RURSLT13 $2.0
      @52     RUENDM13  1.0
      @53     RUENDY13  4.0
      @57     AGE13X    2.0
      @59     DOBMM     2.0
      @61     DOBYY     4.0
      @65     SEX       1.0
      @66     RACEV1X   1.0
      @67     RACEV2X   2.0
      @69     RACEAX    1.0
      @70     RACEBX    1.0
      @71     RACEWX    1.0
      @72     RACETHX   1.0
      @73     HISPANX   1.0
      @74     HISPNCAT  1.0
      @75     MARRY13X  2.0
      @77     SPOUID13  3.0
      @80     SPOUIN13  2.0
      @82     EDUCYR    2.0
      @84     HIDEG     2.0
      @86     FTSTD13X  2.0
      @88     ACTDTY13  2.0
      @90     HONRDC13  2.0
      @92     REFRL13X  2.0
      @94     OTHLANG   2.0
      @96     LANGSPK   2.0
      @98     HWELLSPE  2.0
      @100    BORNUSA   2.0
      @102    YRSINUS   2.0
      @104    RTHLTH13  2.0
      @106    MNHLTH13  2.0
      @108    IADLHP13  2.0
      @110    ADLHLP13  2.0
      @112    AIDHLP13  2.0
      @114    WLKLIM13  2.0
      @116    LFTDIF13  2.0
      @118    STPDIF13  2.0
      @120    WLKDIF13  2.0
      @122    MILDIF13  2.0
      @124    STNDIF13  2.0
      @126    BENDIF13  2.0
      @128    RCHDIF13  2.0
      @130    FNGRDF13  2.0
      @132    ACTLIM13  2.0
      @134    WRKLIM13  2.0
      @136    HSELIM13  2.0
      @138    SCHLIM13  2.0
      @140    UNABLE13  2.0
      @142    SOCLIM13  2.0
      @144    COGLIM13  2.0
      @146    EMPST13   2.0
      @148    HRWAG13X  6.2
      @154    HRWGRD13 $2.0
      @156    HRWAY13   2.0
      @158    HOUR13    3.0
      @161    HELD13X   2.0
      @163    OFFER13X  2.0
      @165    NUMEMP13  3.0
      @168    SELFCM13  2.0
      @170    TRINW13X  1.0
      @171    MCARE13   1.0
      @172    MCARE13X  1.0
      @173    MCAID13   1.0
      @174    MCAID13X  1.0
      @175    OTPUBA13  1.0
      @176    OTPUBB13  1.0
      @177    STPRG13   1.0
      @178    PUB13X    1.0
      @179    PRIEU13   1.0
      @180    PRIDK13   1.0
      @181    PRING13   1.0
      @182    PRIOG13   1.0
      @183    PRIS13    1.0
      @184    PRIOUT13  1.0
      @185    PRSTX13   1.0
      @186    PRIV13    1.0
      @187    HPRIEU13  1.0
      @188    HPRIDK13  1.0
      @189    HPRING13  1.0
      @190    HPRIOG13  1.0
      @191    HPRIS13   1.0
      @192    HPRSTX13  1.0
      @193    HPRIV13   1.0
      @194    INSRD13X  1.0
      @195    WGTSP13   12.6
      @207    WGTRU13   12.6
      @219    VARSTR    4.0
      @223    VARPSU    1.0
;

* FORMAT STATEMENTS;
FORMAT DUID     DUID.
       PID      PID.
       DUPERSID $DUPERS.
       PANEL    PANEL.
       FAMID13  $FAMI13F.
       RULETR13 $RLET13F.
       RUSIZE13 RUSIZ13F.
       RUCLAS13 RUCLA13F.
       FAMSIZ13 FAMSI13F.
       REGION13 REGIO13F.
       RNDREF13 RNRF13F.
       RDRESP13 RERES13F.
       PROXY13  PROXY13F.
       BEGRFM13 BGRFM13F.
       BEGRFY13 BGRFY13F.
       ENDRFM13 ENRFM13F.
       ENDRFY13 ENRFY13F.
       KEYNESS  KEYNESS.
       INSCOP13 INSCP13F.
       PSTAT13  PSTAT13F.
       RURSLT13 $RSLT13F.
       RUENDM13 RENDM13F.
       RUENDY13 RENDY13F.
       AGE13X   AGE13X.
       DOBMM    DOBMM.
       DOBYY    DOBYY.
       SEX      SEX.
       RACEV1X  RACEV1X.
       RACEV2X  RACEV2X.
       RACEAX   RACEAX.
       RACEBX   RACEBX.
       RACEWX   RACEWX.
       RACETHX  RACETHX.
       HISPANX  HISPANX.
       HISPNCAT HISPNCAT.
       MARRY13X MARRY13X.
       SPOUID13 SPID13F.
       SPOUIN13 SPOIN13F.
       EDUCYR   EDUCYR.
       HIDEG    HIDEG.
       FTSTD13X FTSTD13X.
       ACTDTY13 ACTDT13F.
       HONRDC13 HNRDC13F.
       REFRL13X REFRL13X.
       OTHLANG  OTHLANGF.
       LANGSPK  LANGSPKF.
       HWELLSPE HWELLSPF.
       BORNUSA  BORNUSAF.
       YRSINUS  YRSINUS.
       RTHLTH13 RTHLT13F.
       MNHLTH13 MNHLT13F.
       IADLHP13 IDLHP13F.
       ADLHLP13 ADLHP13F.
       AIDHLP13 AIDHP13F.
       WLKLIM13 WLKLM13F.
       LFTDIF13 LFTDF13F.
       STPDIF13 STPDF13F.
       WLKDIF13 WLKDF13F.
       MILDIF13 MILDF13F.
       STNDIF13 STNDF13F.
       BENDIF13 BENDF13F.
       RCHDIF13 RCHDF13F.
       FNGRDF13 FNGDF13F.
       ACTLIM13 ACTLM13F.
       WRKLIM13 WRKLM13F.
       HSELIM13 HSELM13F.
       SCHLIM13 SCHLM13F.
       UNABLE13 UNBLE13F.
       SOCLIM13 SOCLM13F.
       COGLIM13 COGLM13F.
       EMPST13  EMPST13F.
       HRWAG13X HRWAG13X.
       HRWGRD13 $HRWG13F.
       HRWAY13  HRWAY13F.
       HOUR13   HOUR13F.
       HELD13X  HELD13X.
       OFFER13X OFFER13X.
       NUMEMP13 NMEMP13F.
       SELFCM13 SLFCM13F.
       TRINW13X TRINW13X.
       MCARE13  MCARE13F.
       MCARE13X MCARE13X.
       MCAID13  MCAID13F.
       MCAID13X MCAID13X.
       OTPUBA13 OTPBA13F.
       OTPUBB13 OTPBB13F.
       STPRG13  STPRG13F.
       PUB13X   PUB13X.
       PRIEU13  PRIEU13F.
       PRIDK13  PRIDK13F.
       PRING13  PRING13F.
       PRIOG13  PRIOG13F.
       PRIS13   PRIS13F.
       PRIOUT13 PROUT13F.
       PRSTX13  PRSTX13F.
       PRIV13   PRIV13F.
       HPRIEU13 HPREU13F.
       HPRIDK13 HPRDK13F.
       HPRING13 HPRNG13F.
       HPRIOG13 HPROG13F.
       HPRIS13  HPRIS13F.
       HPRSTX13 HPRSX13F.
       HPRIV13  HPRIV13F.
       INSRD13X INSRD13X.
       WGTSP13  WGTSP13F.
       WGTRU13  WGTRU13F.
       VARSTR   VARSTR.
       VARPSU   VARPSU.
;

* LABEL STATEMENTS;
LABEL DUID    ='DWELLING UNIT ID'
      PID     ='PERSON NUMBER'
      DUPERSID='PERSON ID (DUID + PID)'
      PANEL   ='PANEL NUMBER'
      FAMID13 ='FAMILY IDENTIFIER (STUDENT MERGED IN)'
      RULETR13='RU LETTER'
      RUSIZE13='RU SIZE'
      RUCLAS13='RU FIELDED AS: STANDARD, NEW, STUDENT'
      FAMSIZ13='RU SIZE INCLUDING STUDENTS'
      REGION13='CENSUS REGION'
      RNDREF13='REFERENCE PERSON'
      RDRESP13='1ST RESPONDENT INDICATOR'
      PROXY13 ='WAS RESPONDENT A PROXY'
      BEGRFM13='REFERENCE PERIOD BEGIN DATE: MONTH'
      BEGRFY13='REFERENCE PERIOD BEGIN DATE: YEAR'
      ENDRFM13='REFERENCE PERIOD END DATE: MONTH'
      ENDRFY13='REFERENCE PERIOD END DATE: YEAR'
      KEYNESS ='PERSON KEY STATUS'
      INSCOP13='INSCOPE'
      PSTAT13 ='PERSON DISPOSITION STATUS'
      RURSLT13='RU RESULT'
      RUENDM13='DATE OF INTV (DATE STARTED: MONTH)'
      RUENDY13='DATE OF INTV (DATE STARTED: YEAR)'
      AGE13X  ='AGE - (EDITED/IMPUTED)'
      DOBMM   ='DATE OF BIRTH: MONTH'
      DOBYY   ='DATE OF BIRTH: YEAR'
      SEX     ='SEX'
      RACEV1X ='RACE (EDITED/IMPUTED)'
      RACEV2X ='RACE (EDITED/IMPUTED)'
      RACEAX  ='ASIAN AMONG RACES RPTD (EDITED/IMPUTED)'
      RACEBX  ='BLACK AMONG RACES RPTD (EDITED/IMPUTED)'
      RACEWX  ='WHITE AMONG RACES RPTD (EDITED/IMPUTED)'
      RACETHX ='RACE/ETHNICITY (EDITED/IMPUTED)'
      HISPANX ='HISPANIC ETHNICITY - (EDITED/IMPUTED)'
      HISPNCAT='HISPANIC ETHNICITY (EDITED/IMPUTED)'
      MARRY13X='MARITAL STATUS - (EDITED/IMPUTED)'
      SPOUID13='SPOUSE ID'
      SPOUIN13='MARITAL STATUS WITH SPOUSE PRESENT'
      EDUCYR  ='YEARS OF EDUC WHEN FIRST ENTERED MEPS'
      HIDEG   ='HIGHEST DEGREE WHEN FIRST ENTERED MEPS'
      FTSTD13X='STUDENT STATUS AGES 17-23 (EDIT/IMPUTED)'
      ACTDTY13='MILITARY FULL-TIME ACTIVE DUTY'
      HONRDC13='HONORABLY DISCHARGED FROM ACTIVE DUTY'
      REFRL13X='RELATION TO REF PERS (EDITED/IMPUTED)'
      OTHLANG ='IN FAMILY WITH SOMEONE SPKNG OTHER LANG'
      LANGSPK ='LANGUAGE SPOKEN AT HOME OTHER THAN ENGL'
      HWELLSPE='HOW WELL PERSON SPEAKS ENGLISH'
      BORNUSA ='PERSON BORN IN THE US'
      YRSINUS ='YEARS PERSON LIVED IN THE US'
      RTHLTH13='PERCEIVED HEALTH STATUS'
      MNHLTH13='PERCEIVED MENTAL HEALTH STATUS'
      IADLHP13='IADL SCREENER'
      ADLHLP13='ADL SCREENER'
      AIDHLP13='USES ASSISTIVE DEVICES'
      WLKLIM13='LIMITATION IN PHYSICAL FUNCTIONING'
      LFTDIF13='DIFFICULTY LIFTING 10 POUNDS'
      STPDIF13='DIFFICULTY WALKING UP 10 STEPS'
      WLKDIF13='DIFFICULTY WALKING 3 BLOCKS'
      MILDIF13='DIFFICULTY WALKING A MILE'
      STNDIF13='DIFFICULTY STANDING 20 MINUTES'
      BENDIF13='DIFFICULTY BENDING/STOOPING'
      RCHDIF13='DIFFICULTY REACHING OVER HEAD'
      FNGRDF13='DIFFICULTY USING FINGERS TO GRASP'
      ACTLIM13='LIMITATION WORK/HOUSEWORK/SCHOOL'
      WRKLIM13='WORK LIMITATION'
      HSELIM13='HOUSEWORK LIMITATION'
      SCHLIM13='SCHOOL LIMITATION'
      UNABLE13='COMPLETELY UNABLE TO DO ACTIVITY'
      SOCLIM13='SOCIAL LIMITATION'
      COGLIM13='COGNITIVE LIMITATIONS'
      EMPST13 ='EMPLOYMENT STATUS'
      HRWAG13X='HOURLY WAGE AT CURRENT MAIN JOB (EDITED)'
      HRWGRD13='HOURLY WAGE ROUND FLAG'
      HRWAY13 ='CALCULATION METHODS FOR HOURLY WAGE'
      HOUR13  ='HOURS WORKED PER WEEK AT CMJ'
      HELD13X ='HEALTH INSURANCE HELD FROM CMJ (ED)'
      OFFER13X='HEALTH INSURANCE OFFERED AT CMJ (ED)'
      NUMEMP13='NUMBER OF EMPLOYEES AT LOCATION OF CMJ'
      SELFCM13='SELF-EMPLOYED AT CURRENT MAIN JOB'
      TRINW13X='PID COV BY TRICARE/CHAMPVA AT INT-EDITED'
      MCARE13 ='PID COV BY MEDICARE'
      MCARE13X='PID COV BY MEDICARE - EDITED'
      MCAID13 ='PID COV BY MEDICAID OR SCHIP'
      MCAID13X='PID COV BY MEDICAID OR SCHIP - EDITED'
      OTPUBA13='PID COV BY/PAYS OTH GOV MCAID/SCHIP HMO'
      OTPUBB13='PID COV BY OTH PUB NOT MCAID/SCHIP HMO'
      STPRG13 ='PID COV BY STATE SPECIFIC PROGRAM'
      PUB13X  ='PID COV BY PUBLIC INS - EDITED'
      PRIEU13 ='PID COV BY PRIV EMPL/UNION PLAN'
      PRIDK13 ='PID COV BY PRIV DK PLAN'
      PRING13 ='PID COV BY NONGROUP PLAN'
      PRIOG13 ='PID COV BY OTH GROUP PLAN'
      PRIS13  ='PID COV BY SELF-EMP-1 INS'
      PRIOUT13='PID COV BY HOLDER OUTSIDE RU'
      PRSTX13 ='PID COV BY PRIV INS THROUGH EXCHANGE'
      PRIV13  ='PID COV BY PRIVATE INS'
      HPRIEU13='PID IS HOLDER OF PRIV EMPL/UNION PLAN'
      HPRIDK13='PID IS HOLDER OF PRIV DK PLAN'
      HPRING13='PID IS HOLDER OF NONGROUP PLAN'
      HPRIOG13='PID IS HOLDER OF OTH GROUP PLAN'
      HPRIS13 ='PID IS HOLDER OF SELF-EMP-1 INS'
      HPRSTX13='PID IS HOLDER OF PRIV INS EXCHANGE'
      HPRIV13 ='PID IS HOLDER OF PRIV INS PLAN'
      INSRD13X='PID IS INSURED - EDITED'
      WGTSP13 ='PERSON WEIGHT'
      WGTRU13 ='FAMILY WEIGHT'
      VARSTR  ='VARIANCE ESTIMATION STRATUM'
      VARPSU  ='VARIANCE ESTIMATION PSU'
;

* VALUE STATEMENTS;
VALUE ACTDT13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES - ACTIVE DUTY'
  2 = '2 NO - NOT FULL-TIME ACTIVE DUTY'
  3 = '3 UNDER 16 - INAPPLICABLE'
  4 = '4 OVER 59 - INAPPLICABLE'
  ;
VALUE ACTLM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE ADLHP13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE AGE13X
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  0 - 4 = '0 - 4'
  5 - 17 = '5 - 17'
  18 - 24 = '18 - 24'
  25 - 44 = '25 - 44'
  45 - 64 = '45 - 64'
  65 - 85 = '65 - 85'
  ;
VALUE AIDHP13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE BENDF13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DIFFICULTY'
  2 = '2 SOME DIFFICULTY'
  3 = '3 A LOT OF DIFFICULTY'
  4 = '4 UNABLE TO DO'
  ;
VALUE BGRFM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 JANUARY'
  2 = '2 FEBRUARY'
  3 = '3 MARCH'
  4 = '4 APRIL'
  5 = '5 MAY'
  6 = '6 JUNE'
  7 = '7 JULY'
  8 = '8 AUGUST'
  9 = '9 SEPTEMBER'
  10 = '10 OCTOBER'
  11 = '11 NOVEMBER'
  12 = '12 DECEMBER'
  ;
VALUE BGRFY13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  2016 - 2017 = '2016 - 2017 YEAR'
  ;
VALUE BORNUSAF
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE, THOSE WHO ARE DEC/INSTD'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE COGLM13F
  -8 = '-8 DK'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE DOBMM
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 JANUARY'
  2 = '2 FEBRUARY'
  3 = '3 MARCH'
  4 = '4 APRIL'
  5 = '5 MAY'
  6 = '6 JUNE'
  7 = '7 JULY'
  8 = '8 AUGUST'
  9 = '9 SEPTEMBER'
  10 = '10 OCTOBER'
  11 = '11 NOVEMBER'
  12 = '12 DECEMBER'
  ;
VALUE DOBYY
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1932 - 1942 = '1932 - 1942'
  1943 - 1962 = '1943 - 1962'
  1963 - 1982 = '1963 - 1982'
  1983 - 2002 = '1983 - 2002'
  2003 - 2017 = '2003 - 2017'
  ;
VALUE DUID (DEFAULT=40)
  10001 - 99693 = '10001 - 99693 DU ID'
  ;
VALUE $DUPERS
  '10001101' - '99693101' = '10001101 - 99693101'
  ;
VALUE EDUCYR
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  0 = '0 NO SCHOOL/KINDERGARTEN ONLY'
  1 - 8 = '1 - 8 ELEMENTARY GRADES 1 - 8'
  9 - 11 = '9 - 11 HIGH SCHOOL GRADES 9 - 11'
  12 = '12 GRADE 12'
  13 = '13 1 YEAR COLLEGE'
  14 = '14 2 YEARS COLLEGE'
  15 = '15 3 YEARS COLLEGE'
  16 = '16 4 YEARS COLLEGE'
  17 = '17 5+ YEARS COLLEGE'
  ;
VALUE EMPST13F
  -9 = '-9 NOT ASCERTAINED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 CURRENTLY EMPLOYED'
  2 = '2 HAS JOB TO RETURN TO'
  3 = '3 EMPLOYED DURING REFERENCE PERIOD'
  4 = '4 NOT EMPLOYED WITH NO JOB TO RETURN TO'
  ;
VALUE ENRFM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 JANUARY'
  2 = '2 FEBRUARY'
  3 = '3 MARCH'
  4 = '4 APRIL'
  5 = '5 MAY'
  6 = '6 JUNE'
  7 = '7 JULY'
  8 = '8 AUGUST'
  9 = '9 SEPTEMBER'
  10 = '10 OCTOBER'
  11 = '11 NOVEMBER'
  12 = '12 DECEMBER'
  ;
VALUE ENRFY13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  2016 = '2016 YEAR'
  2017 = '2017 YEAR'
  ;
VALUE $FAMI13F
  '0' = '0 NON-RESPONSE'
  'A' = 'A'
  'B' = 'B'
  'C' = 'C'
  'D' = 'D'
  'E' = 'E'
  'F' = 'F'
  'G' = 'G'
  'H' = 'H'
  'I' = 'I'
  ;
VALUE FAMSI13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 PERSON'
  2 = '2 PERSONS'
  3 = '3 PERSONS'
  4 = '4 PERSONS'
  5 = '5 PERSONS'
  6 = '6 PERSONS'
  7 = '7 PERSONS'
  8 = '8 PERSONS'
  9 = '9 PERSONS'
  10 = '10 PERSONS'
  11 = '11 PERSONS'
  12 = '12 PERSONS'
  13 = '13 PERSONS'
  14 = '14 PERSONS'
  15 = '15 PERSONS'
  16 = '16 PERSONS'
  17 = '17 PERSONS'
  18 = '18 PERSONS'
  ;
VALUE FNGDF13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DIFFICULTY'
  2 = '2 SOME DIFFICULTY'
  3 = '3 A LOT OF DIFFICULTY'
  4 = '4 UNABLE TO DO'
  ;
VALUE FTSTD13X
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 FULL-TIME'
  2 = '2 PART-TIME'
  3 = '3 NOT A STUDENT'
  ;
VALUE HELD13X
  -9 = '-9 NOT ASCERTAINED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HIDEG
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DEGREE'
  2 = '2 GED'
  3 = '3 HIGH SCHOOL DIPLOMA'
  4 = "4 BACHELOR'S DEGREE"
  5 = "5 MASTER'S DEGREE"
  6 = '6 DOCTORATE DEGREE'
  7 = '7 OTHER DEGREE'
  8 = '8 UNDER 16-INAPPLICABLE'
  ;
VALUE HISPANX
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 HISPANIC'
  2 = '2 NOT HISPANIC'
  ;
VALUE HISPNCAT
  -1 = '-1 INAPPLICABLE'
  1 = '1 MEXICAN/MEX AMER/CHICANO -NO OTHER HISP'
  2 = '2 PUERTO RICAN -NO OTHER HISP REPORTED'
  3 = '3 CUBAN/CUBAN AMERICAN -NO OTHER HISP RPTD'
  4 = '4 DOMINICAN -NO OTHER HISP REPORTED'
  5 = '5 CENTRAL OR SOUTH AMERICAN-NO OTHER HISP'
  6 = '6 OTH LAT AM/HISP/LATINO/SPNSH ORGN-NO OTH'
  8 = '8 MULTIPLE HISPANIC GROUPS REPORTED'
  9 = '9 NON-HISPANIC'
  ;
VALUE HNRDC13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES - HONORABLY DISCHARGED'
  2 = '2 NO - NOT HONORABLY DISCHARGED'
  3 = '3 16 OR YOUNGER - INAPPLICABLE'
  4 = '4 NOW ACTIVE DUTY'
  ;
VALUE HOUR13F
  -9 = '-9 NOT ASCERTAINED'
  -1 = '-1 INAPPLICABLE'
  1 - 168 = '1 - 168 HOURS PER WEEK'
  ;
VALUE HPRDK13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HPREU13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HPRIS13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HPRIV13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HPRNG13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HPROG13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HPRSX13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HRWAG13X
  -10 = '-10 HOURLY WAGE >= $79.33'
  -9 = '-9 NOT ASCERTAINED'
  -1 = '-1 INAPPLICABLE'
  0.15 - 79 = '.15 - 79.00 HOURLY WAGE'
  ;
VALUE HRWAY13F
  -9 = '-9 NOT ASCERTAINED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 HOURLY WAGE'
  2 = '2 MEDIAN'
  3 = '3 SALARY'
  4 = '4 BY DAY'
  5 = '5 PIECEWORK'
  6 = '6 COMMISSION'
  7 = '7 BONUS'
  ;
VALUE $HRWG13F
  '-1' = '-1 INAPPLICABLE'
  '1' = '1 REPORTED HOURLY WAGE FROM ROUND 1'
  '2' = '2 REPORTED HOURLY WAGE FROM ROUND 2'
  '3' = '3 REPORTED HOURLY WAGE FROM ROUND 3'
  ;
VALUE HSELM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
```

```
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE HWELLSPF
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 VERY WELL'
  2 = '2 WELL'
  3 = '3 NOT WELL'
  4 = '4 NOT AT ALL'
  5 = '5 UNDER 5 AND OTHLANG=1, INAPPLICABLE'
  ;
VALUE IDLHP13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE INSCP13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 IN-SCOPE'
  2 = '2 OUT-OF-SCOPE'
  ;
VALUE INSRD13X
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE KEYNESS
  -1 = '-1 INAPPLICABLE'
  1 = '1 KEY'
  2 = '2 NOT KEY'
  ;
VALUE LANGSPKF
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 SPANISH'
  2 = '2 ANOTHER NON-ENGLISH LANGUAGE'
  ;
VALUE LFTDF13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DIFFICULTY'
  2 = '2 SOME DIFFICULTY'
  3 = '3 A LOT OF DIFFICULTY'
  4 = '4 UNABLE TO DO'
  ;
VALUE MARRY13X
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 MARRIED'
  2 = '2 WIDOWED'
  3 = '3 DIVORCED'
  4 = '4 SEPARATED'
  5 = '5 NEVER MARRIED'
  6 = '6 UNDER 16 INAPPLICABLE'
  7 = '7 MARRIED IN ROUND'
  8 = '8 WIDOWED IN ROUND'
  9 = '9 DIVORCED IN ROUND'
  10 = '10 SEPARATED IN ROUND'
  ;
VALUE MCAID13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE MCAID13X
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE MCARE13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE MCARE13X
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE MILDF13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DIFFICULTY'
  2 = '2 SOME DIFFICULTY'
  3 = '3 A LOT OF DIFFICULTY'
  4 = '4 UNABLE TO DO'
  ;
VALUE MNHLT13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 EXCELLENT'
  2 = '2 VERY GOOD'
  3 = '3 GOOD'
  4 = '4 FAIR'
  5 = '5 POOR'
  ;
VALUE NMEMP13F
  -9 = '-9 NOT ASCERTAINED'
  -1 = '-1 INAPPLICABLE'
  1 - 500 = '1 - 500 NUMBER OF EMPLOYEES'
  ;
VALUE OFFER13X
  -9 = '-9 NOT ASCERTAINED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE OTHLANGF
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE OTPBA13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE OTPBB13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PANEL
  21 = '21 PANEL 21 RD 3'
  22 = '22 PANEL 22 RD 1'
  ;
VALUE PID (DEFAULT=40)
  101 - 501 = '101 - 501 PERSON NUMBER'
  ;
VALUE PRIDK13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PRIEU13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PRING13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PRIOG13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PRIS13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PRIV13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PROUT13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PROXY13F
  -1 = '-1 NON-RESPONSE'
  1 = '1 RESPONDENT IS RU MEMBER'
  2 = '2 RESPONDENT IS A PROXY'
  ;
VALUE PRSTX13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE PSTAT13F
  -1 = '-1 NOT FIELDED/NON-RESPONSE RU'
  0 = '0 INCORRECTLY LISTED IN RU AT NHIS-R1 ONLY'
  11 = '11 PERSON IN HOUSEHLD, NOT FT ACTIVE MIL'
  12 = '12 IN HOUSEHLD, FT MIL DUTY-OUT-SCOPE'
  13 = '13 FT STUD LIVING AWAY FROM HOME'
  14 = '14 IN ORIG HH, FT ACTIVE DUTY-INSCOPE'
  21 = '21 INSTITUTIONALIZED WHOLE- R3 ONLY'
  22 = '22 LEAVE INSTITUTION - R3 ONLY'
  23 = '23 LEAVES INSTITUTION & DIES - R3 ONLY'
  24 = '24 DIES IN INST DURING RD - R3 ONLY'
  31 = '31 DECEASED'
  32 = '32 INSTITUTIONALIZED IN HEALTH CARE FAC'
  33 = '33 INSTITUTIONALIZED NON-HEALTH CARE FAC'
  34 = '34 MOVED OUTSIDE U.S., NOT AS STUDENT'
  35 = '35 MOVED, FT ACTIVE DUTY'
  36 = '36 INSTITUTIONALIZED (TYPE UNKNOWN)'
  41 = '41 MOVED WITHIN U.S.'
  42 = '42 PERSON WHO JOINED RU'
  43 = '43 REASON UNK OR MOVED TO UNK LOCATION'
  44 = '44 JOINS ANOTHER RU, & IS INSCOPE'
  51 = '51 NEWBORN IN REF PERIOD'
  61 = '61 DECEASED PRIOR TO REF PERIOD-R3/1'
  62 = '62 INSTITUT PRIOR TO REF PER-R3/1'
  63 = '63 LEFT U.S. PRIOR TO REF PER-R3/1'
  64 = '64 FT MIL, MIL FAC MOVE PRIOR REF PER-R3/1'
  71 = '71 LIVING AWAY GRADES 1-12 NONKEY'
  72 = '72 INELIG NON-KEY/RESIDENCY SCHL YR ONLY'
  73 = '73 NONKEY, NOT FT MIL, MOVED W/OUT KEY'
  74 = '74 MOVED AS FT MIL, NOT TO A, W/OUT KEY'
  81 = '81 MOVED, FT STUD, NO RESP, DATA IMPUTED'
  ;
VALUE PUB13X
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE RACEAX
  -1 = '-1 INAPPLICABLE'
  1 = '1 ASIAN-NO OTHER RACE REPORTED'
  2 = '2 ASIAN-OTHER RACE(S) REPORTED'
  3 = '3 ALL OTHER RACE ASSIGNMENTS'
  ;
VALUE RACEBX
  -1 = '-1 INAPPLICABLE'
  1 = '1 BLACK-NO OTHER RACE REPORTED'
  2 = '2 BLACK-OTHER RACE(S) REPORTED'
  3 = '3 ALL OTHER RACE ASSIGNMENTS'
  ;
VALUE RACETHX
  -1 = '-1 INAPPLICABLE'
  1 = '1 HISPANIC'
  2 = '2 NON-HISPANIC WHITE ONLY'
  3 = '3 NON-HISPANIC BLACK ONLY'
  4 = '4 NON-HISPANIC ASIAN ONLY'
  5 = '5 NON-HISPANIC OTHER RACE OR MULTIPLE RACE'
  ;
VALUE RACEV1X
  -1 = '-1 INAPPLICABLE'
  1 = '1 WHITE - NO OTHER RACE REPORTED'
  2 = '2 BLACK - NO OTHER RACE REPORTED'
  3 = '3 AMER INDIAN/ALASKA NATIVE-NO OTHER RACE'
  4 = '4 ASIAN/NATV HAWAIIAN/PACFC ISL-NO OTH'
  6 = '6 MULTIPLE RACES REPORTED'
  ;
VALUE RACEV2X
  -1 = '-1 INAPPLICABLE'
  1 = '1 WHITE - NO OTHER RACE REPORTED'
  2 = '2 BLACK - NO OTHER RACE REPORTED'
  3 = '3 AMER INDIAN/ALASKA NATIVE-NO OTHER RACE'
  4 = '4 ASIAN INDIAN - NO OTHER RACE REPORTED'
  5 = '5 CHINESE - NO OTHER RACE REPORTED'
  6 = '6 FILIPINO - NO OTHER RACE REPORTED'
  10 = '10 OTH ASIAN/NATV HAWAIIAN/PACFC ISL-NO OTH'
  12 = '12 MULTIPLE RACES REPORTED'
  ;
VALUE RACEWX
  -1 = '-1 INAPPLICABLE'
  1 = '1 WHITE-NO OTHER RACE REPORTED'
  2 = '2 WHITE-OTHER RACE(S) REPORTED'
  3 = '3 ALL OTHER RACE ASSIGNMENTS'
  ;
VALUE RCHDF13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DIFFICULTY'
  2 = '2 SOME DIFFICULTY'
  3 = '3 A LOT OF DIFFICULTY'
  4 = '4 UNABLE TO DO'
  ;
VALUE REFRL13X
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 HOUSEHOLD REFERENCE PERSON'
  2 = '2 SPOUSE (HUSBAND/WIFE)'
  3 = '3 UNMARRIED PARTNER'
  4 = '4 CHILD BIOLOGICAL/ADOPT/INLAW/STEP/FOSTR'
  5 = '5 CHILD OF PARTNER'
  6 = '6 GRANDCHILD'
  7 = '7 PARENT (BIOLGCL/ADOPT/INLAW/STEP/FOSTR)'
  8 = '8 SIBLING (BIOLGCL/ADOPT/INLAW/STEP/FOSTR)'
  9 = '9 GRANDPARENT'
  10 = '10 AUNT/UNCLE'
  11 = '11 NIECE/NEPHEW'
  91 = '91 OTHER RELATED, SPECIFY'
  ;
VALUE REGIO13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 NORTHEAST'
  2 = '2 MIDWEST'
  3 = '3 SOUTH'
  4 = '4 WEST'
  ;
VALUE RENDM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 JANUARY'
  2 = '2 FEBRUARY'
  3 = '3 MARCH'
  4 = '4 APRIL'
  5 = '5 MAY'
  6 = '6 JUNE'
  7 = '7 JULY'
  8 = '8 AUGUST'
  9 = '9 SEPTEMBER'
  10 = '10 OCTOBER'
  11 = '11 NOVEMBER'
  12 = '12 DECEMBER'
  ;
VALUE RENDY13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  2017 = '2017 YEAR'
  ;
VALUE RERES13F
  -1 = '-1 INAPPLICABLE'
  0 = '0 NON-RESPONSE'
  1 = '1 YES, FIRST RESPONDENT'
  2 = '2 NO, NOT FIRST RESPONDENT'
  3 = '3 NOT DETERMINED'
  ;
VALUE $RLET13F
  '-1' = '-1 INAPPLICABLE'
  'A' = 'A'
  'B' = 'B'
  'C' = 'C'
  'D' = 'D'
  'E' = 'E'
  'F' = 'F'
  'G' = 'G'
  'H' = 'H'
  'I' = 'I'
  ;
VALUE RNRF13F
  -1 = '-1 INAPPLICABLE'
  101 - 999 = '101 - 999'
  ;
VALUE $RSLT13F
  '-1' = '-1 INAPPLICABLE'
  '60' = '60 COMPLETE WITH RU MEMBER'
  '61' = '61 PROXY-ALL RU MEMBERS DECEASED'
  '62' = '62 PROXY-ALL RU MEMS INSTITUT/DECEASED'
  '63' = '63 COMPLETE WITH PROXY, OTHER'
  '70' = '70 ENTIRE RU MERGED WITH OTHER RU'
  '71' = '71 RE COMPL; NO ELIG RU MEMBERS; INELIG'
  '72' = '72 RU INSTITD IN PRIOR RD;STILL INSTITD'
  '80' = '80 ENTIRE RU MERGED WITH OTHER RU'
  '81' = '81 ENTIRE RU DECEASED BEFORE 1/1/17'
  '82' = '82 ENTIRE RU IS MIL BEFORE 1/1/17'
  '83' = '83 RU INSTITUTED BEFORE 1/1/17'
  '84' = '84 ENTIRE RU LEFT U.S. BEFORE 1/1/17'
  '85' = '85 RU INELIG BEFORE 1/1/17, MULTI REASON'
  '86' = '86 RU INELIG, NONKEY NHIS STUD'
  '87' = '87 REENUM COMPL, NO ELIG RU MEM, INELIG'
  '88' = '88 UNAVAILABLE DURING FIELD PERIOD'
  '89' = '89 TOO ILL, NO PROXY'
  '90' = '90 PHYSICAL/MENTAL INCOMPETENT, NO PROXY'
  '91' = '91 FINAL REFUSAL'
  '92' = '92 FINAL BREAKOFF'
  '93' = '93 UNABLE TO LOCATE'
  '94' = '94 ENTIRE RU MIL OR LEFT US AFTER 1/1/17'
  '95' = '95 RU MEM INSTITUT AFT 1/1/17, NO PROXY'
  '96' = '96 RU DECEASED AFT 1/1/17, NO PROXY'
  '97' = '97 REENUM COMPLETE, NO RU MEM, NON-RESPN'
  '98' = '98 RU MOVED TOO FAR TO INTERVIEW'
  '99' = '99 FINAL OTHER NONRESPONSE'
  ;
VALUE RTHLT13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 EXCELLENT'
  2 = '2 VERY GOOD'
  3 = '3 GOOD'
  4 = '4 FAIR'
  5 = '5 POOR'
  ;
VALUE RUCLA13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 STANDARD RU'
  2 = '2 NEW RU'
  3 = '3 STUDENT RU'
  ;
VALUE RUSIZ13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 PERSON IN RU'
  2 = '2 PERSONS IN RU'
  3 = '3 PERSONS IN RU'
  4 = '4 PERSONS IN RU'
  5 = '5 PERSONS IN RU'
  6 = '6 PERSONS IN RU'
  7 = '7 PERSONS IN RU'
  8 = '8 PERSONS IN RU'
  9 = '9 PERSONS IN RU'
  10 = '10 PERSONS IN RU'
  11 = '11 PERSONS IN RU'
  12 = '12 PERSONS IN RU'
  13 = '13 PERSONS IN RU'
  14 = '14 PERSONS IN RU'
  15 = '15 PERSONS IN RU'
  16 = '16 PERSONS IN RU'
  17 = '17 PERSONS IN RU'
  18 = '18 PERSONS IN RU'
  ;
VALUE SCHLM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE SEX
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 MALE'
  2 = '2 FEMALE'
  ;
VALUE SLFCM13F
  -9 = '-9 NOT ASCERTAINED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 SELF-EMPLOYED'
  2 = '2 WORKS FOR SOMEONE ELSE'
  ;
VALUE SOCLM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE SPID13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  101 - 994 = '101 - 994 VALID SPOUSEID'
  995 = '995 NO SPOUSE IN HOUSE'
  996 = '996 MARITAL STATUS UNKNOWN'
  997 = '997 LESS THAN 16 YRS OLD'
  ;
VALUE SPOIN13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 SPOUSE IN THE HOUSE'
  2 = '2 NOT MARRIED/NO SPOUSE'
  3 = '3 UNDER 16 INAPPLICABLE'
  ;
VALUE STNDF13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DIFFICULTY'
  2 = '2 SOME DIFFICULTY'
  3 = '3 A LOT OF DIFFICULTY'
  4 = '4 UNABLE TO DO'
  ;
VALUE STPDF13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DIFFICULTY'
  2 = '2 SOME DIFFICULTY'
  3 = '3 A LOT OF DIFFICULTY'
  4 = '4 COMPLETELY UNABLE TO DO IT'
  5 = '5 COMPLETELY UNABLE TO WALK'
  ;
VALUE STPRG13F
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE TRINW13X
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE UNBLE13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE VARPSU (DEFAULT=40)
  1 - 3 = '1 - 3'
  ;
VALUE VARSTR
  1001 - 1165 = '1001 - 1165'
  2001 - 2117 = '2001 - 2117'
  ;
VALUE WGTRU13F (DEFAULT=40 FUZZ=1E-6)
  -1 = '-1 INAPPLICABLE'
  0 = '0.000000 WEIGHT'
  567.966275 - 74709.401 = '567.966275 - 74709.401000 WEIGHT'
  ;
VALUE WGTSP13F (DEFAULT=40 FUZZ=1E-6)
  -1 = '-1 INAPPLICABLE'
  0 = '0.000000 WEIGHT'
  582.093346 - 72171.412278 = '582.093346 - 72171.412278 WEIGHT'
  ;
VALUE WLKDF13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 NO DIFFICULTY'
  2 = '2 SOME DIFFICULTY'
  3 = '3 A LOT OF DIFFICULTY'
  4 = '4 UNABLE TO DO'
  ;
VALUE WLKLM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE WRKLM13F
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 YES'
  2 = '2 NO'
  ;
VALUE YRSINUS
  -9 = '-9 NOT ASCERTAINED'
  -8 = '-8 DK'
  -7 = '-7 REFUSED'
  -1 = '-1 INAPPLICABLE'
  1 = '1 LESS THAN 1 YEAR'
  2 = '2 1 YR., LESS THAN 5 YRS.'
  3 = '3 5 YRS., LESS THAN 10 YRS.'
  4 = '4 10 YRS., LESS THAN 15 YRS.'
  5 = '5 15 YEARS OR MORE'
  ;
```