

Program Summary - adult.sas~**Execution Environment**

Author: u60771138
 File: /home/u60771138/nhis/adult.sas~
 SAS Platform: Linux LIN X64 3.10.0-1062.9.1.el7.x86_64
 SAS Host: ODAWS03-USW2.ODA.SAS.COM
 SAS Version: 9.04.01M7P08062020
 SAS Locale: en_US
 Submission Time: 3/27/2023, 6:46:13 PM
 Browser Host: POOL-100-1-148-230.NWRKNJ.FIOS.VERIZON.NET
 User Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36
 Application Server: ODAMID00-USW2.ODA.SAS.COM

Code: adult.sas~

```
/* project to understand association between depression and support characteristics by smoking status in the NHIS 2021 data*/
/*comments on the project*/

/*import data, exploratory data analysis, logistic regression done*/
/* -----
   The National Health Interview Survey (NHIS) 2021;
   Sample Adult data file

This program loads the NHIS sample adult ASCII data file downloaded from the
NCHS website (https://www.cdc.gov/nchs/nhis/index.htm) to a SAS dataset.
The program creates descriptive variable labels and formats with meaningful
category labels. It sets the variable lengths and uses input statements to
read in the data. It ends with some sample proc freq calls to verify that
the data were correctly loaded.

Before running this program, please:
- Download the sample adult ASCII file to a folder called C:\NHIS2021
  (on a machine running Windows)
- Configure the macro variables 'nhisfolder', 'adultds' and 'formatcat' below.
  These variables set: the local folder where the ASCII file is located and
  where the SAS dataset will be saved, the name of the sample adult dataset,
  and the name of the catalog where formats are to be saved, respectively.
*/
/*
To prevent format associations from being stored with data set, when running the
'SAS input statements,' either put an asterisk(*) before the word "format"
in the section of the program for 'format associations,' [scroll about 3/4 of the way
down the program] or, add "FORMAT _ALL_;" in the frequency procedure to see the values
of the variables without their value label.
*/
/*
Path to the folder where the NHIS ASCII file is located. Also where the
permanent SAS dataset will be stored
*/
%let nhisfolder=c:\nhis2021;
/* name of the dataset to load into */
%let adultds=adult21;
/* formats are stored temporarily in catalog in WORK.formats */
%let formatcat=WORK.formats;

/* --- DO NOT EDIT BELOW THIS LINE --- */
libname NHIS "/home/u60771138/nhis";
filename ASCIIDAT "/home/u60771138/nhis/adult21.dat";

/* formats for variables */
proc format library=&formatcat;

  VALUE SA001X
    00      = "00 0"
    1-9     = "1-9"
    10     = "10 10+"
    97     = "97 Refused"
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98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA002X
1-84    = "1-84 years"
85      = "85 85+ years"
97      = "97 Refused"
98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA003X
18-84   = "18-84 years"
85      = "85 85+ years"
97      = "97 Refused"
98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA004X
20      = "20 years or younger"
21-84   = "21-84 years"
85      = "85 85+ years"
97      = "97 Refused"
98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA005X
18      = "18 years or younger"
19-84   = "19-84 years"
85      = "85 85+ years"
97      = "97 Refused"
98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA006X
59-76   = "59-76 inches"
96      = "96 Not available"
97      = "97 Refused"
98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA007X
1       = "1 Underweight"
2       = "2 Healthy weight"
3       = "3 Overweight"
4       = "4 Obese"
9       = "9 Unknown"
;

VALUE SA008X
1       = "1 Reassigned to CHIP from private"
;

VALUE SA009X
1       = "1 Yes, a citizen of the United States"
2       = "2 No, not a citizen of the United States"
7       = "7 Refused"
8       = "8 Not Ascertained"
9       = "9 Don't Know"
;

VALUE SA010X
1       = "1 Private"
2       = "2 Medicaid and other public"
3       = "3 Other coverage"
4       = "4 Uninsured"
5       = "5 Don't Know"
;

VALUE SA011X
1       = "1 Private"
2       = "2 Dual eligible"
;
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3          = "3 Medicare Advantage"
4          = "4 Medicare only excluding Medicare Advantage"
5          = "5 Other coverage"
6          = "6 Uninsured"
7          = "7 Don't Know"
;

VALUE SA012X
0-129      = "0-129 days"
130        = "130 130+ days"
997        = "997 Refused"
998        = "998 Not Ascertained"
999        = "999 Don't Know"
;

VALUE SA013X
00         = "00 0 days"
1-9         = "1-9 days"
10         = "10 10+ days"
91         = "91 Did not work"
97         = "97 Refused"
98         = "98 Not Ascertained"
99         = "99 Don't Know"
;

VALUE SA014X
1          = "1"
2          = "2"
3          = "3"
4          = "4"
5          = "5 or more"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA015X
00         = "00 Within past year"
1-84       = "1-84 years"
96         = "96 Age 85+ and diagnosed at age 85+"
97         = "97 Refused"
98         = "98 Not Ascertained"
99         = "99 Don't Know"
;

VALUE SA016X
1          = "1 Current e-cigarette user"
2          = "2 Used e-cigarette, not current user"
3          = "3 Never e-cigarette user"
4          = "4 E-cigarette user, current status unknown"
9          = "9 Unknown if ever used e-cigarette"
;

VALUE SA017X
01         = "01 Grade 0-11"
02         = "02 12th grade, no diploma"
03         = "03 GED or equivalent"
04         = "04 High School Graduate"
05         = "05 Some college, no degree"
06         = "06 Associate degree: occupational, technical, or vocational program"
07         = "07 Associate degree: academic program"
08         = "08 Bachelor's degree (Example: BA, AB, BS, BBA)"
09         = "09 Master's degree (Example: MA, MS, MEng, MEd, MBA)"
10         = "10 Professional School or Doctoral degree (Example: MD, DDS, DVM, JD, PhD, EdD)"
97         = "97 Refused"
98         = "98 Not Ascertained"
99         = "99 Don't Know"
;

VALUE SA018X
0          = "0 times"
1          = "1 time"
2          = "2 times"
3          = "3 times"
4          = "4 4+ times"
7          = "7 Refused"
8          = "8 Not Ascertained"
;
```

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9          = "9 Don't Know"
;

VALUE SA019X
1-94       = "1-94 hours"
95         = "95 95+ hours"
97         = "97 Refused"
98         = "98 Not Ascertained"
99         = "99 Don't Know"
;

VALUE SA020X
1          = "1 Exchange plan"
2          = "2 Not exchange plan"
8          = "8 Not Ascertained"
;

VALUE SA021X
1          = "1 Company provides exchange plans"
2          = "2 Not an exchange company"
3          = "3 Exchange Portal or exact exchange plan name"
8          = "8 Not Ascertained"
;

VALUE SA022X
1          = "1 Food secure"
2          = "2 Low food security"
3          = "3 Very low food security"
8          = "8 Not Ascertained"
;

VALUE SA023X
1          = "1 High food security"
2          = "2 Marginal food security"
3          = "3 Low food security"
4          = "4 Very low food security"
8          = "8 Not Ascertained"
;

VALUE SA024X
1          = "1 Person is sample adult"
;

VALUE SA025X
1-39999    = "$1 - $39,999"
40000      = "40000 $40,000 or more"
99997      = "99997 Refused"
99998      = "99998 Not Ascertained"
99999      = "99999 Don't Know"
;

VALUE SA026X
1          = "1 Hispanic (Mexican/Mexican American)"
2          = "2 Hispanic (all other groups)"
3          = "3 Not Hispanic"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA027X
01         = "01 Hispanic"
02         = "02 Non-Hispanic White only"
03         = "03 Non-Hispanic Black/African American only"
04         = "04 Non-Hispanic Asian only"
05         = "05 Non-Hispanic AIAN only"
06         = "06 Non-Hispanic AIAN and any other group"
07         = "07 Other single and multiple races"
97         = "97 Refused"
98         = "98 Not Ascertained"
99         = "99 Don't Know"
;

VALUE $SA028X
'0'        = "'0' Income reported"
'1'        = "'1' Income imputed; no other information"
'2'        = "'2' Income imputed; reported in income brackets"
;
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'Blank'      = "'Blank' No Sample Adult or Sample Child in household"
;

VALUE SA029X
 1          = "1 Yes, information"
 2          = "2 Yes, but no information"
 3          = "3 No"
 7          = "7 Refused"
 8          = "8 Not Ascertained"
 9          = "9 Don't Know"
;

VALUE SA030X
 01         = "01 January"
 02         = "02 February"
 03         = "03 March"
 04         = "04 April"
 05         = "05 May"
 06         = "06 June"
 07         = "07 July"
 08         = "08 August"
 09         = "09 September"
 10         = "10 October"
 11         = "11 November"
 12         = "12 December"
;

VALUE SA031X
 1          = "1 Quarter 1"
 2          = "2 Quarter 2"
 3          = "3 Quarter 3"
 4          = "4 Quarter 4"
;

VALUE SA032X
 1          = "1 Experienced serious psychological distress"
 2          = "2 Did not experience serious psychological distress"
 8          = "8 Not ascertained"
;

VALUE SA033X
 100-299    = "100-299 pounds"
 996        = "996 Not available"
 997        = "997 Refused"
 998        = "998 Not Ascertained"
 999        = "999 Don't Know"
;

VALUE SA034X
 1          = "1 Separated"
 2          = "2 Divorced"
 3          = "3 Married"
 4          = "4 Single/never married"
 5          = "5 Widowed"
 9          = "9 Unknown legal marital status"
;

VALUE SA035X
 1          = "1 Reassigned to Medicaid from private"
;

VALUE SA036X
 1          = "1 Married, spouse is present"
 2          = "2 Married, spouse is not present"
 3          = "3 Married, spouse presence unknown"
 4          = "4 Widowed"
 5          = "5 Divorced"
 6          = "6 Separated"
 7          = "7 Never married"
 8          = "8 Living with a partner"
 9          = "9 Unknown marital status"
;

VALUE SA037X
 1          = "1 Medicare Advantage"
 2          = "2 Private plan not Medicare Advantage"
 7          = "7 Refused"
;
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8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA038X
1          = "1 Mentioned"
2          = "2 Not mentioned"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA039X
1          = "1 Multiple families in household"
2          = "2 Only one family in household"
9          = "9 Unknown"
;

VALUE SA040X
0          = "0 None"
1          = "1 or more"
;

VALUE SA041X
1          = "1 Not covered"
2          = "2 Covered"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA042X
1          = "1 Reassigned to other government from private"
;

VALUE SA043X
1          = "1 Reassigned to other public from private"
;

VALUE SA044X
1          = "1 Yes, the sample adult is a parent of a child residing in the family"
2          = "2 There are minor children residing in family but sample adult is not their parent"
3          = "3 There are no minor children residing in the family"
9          = "9 Unknown"
;

VALUE SA045X
0          = "0 adults"
1          = "1 adult"
2          = "2 adults"
3          = "3 3+ adults"
8          = "8 Not Ascertained"
;

VALUE SA046X
1          = "1 adult"
2          = "2 adults"
3          = "3 3+ adults"
8          = "8 Not Ascertained"
;

VALUE SA047X
0          = "0 children"
1          = "1 child"
2          = "2 children"
3          = "3 3+ children"
8          = "8 Not Ascertained"
;

VALUE SA048X
01         = "01 Through an employer, union, or professional organization"
02         = "02 Purchased directly"
03         = "03 Through Healthcare.gov or the Affordable Care Act, also known as Obamacare"
04         = "04 Through a state or local government or community program"
05         = "05 Other"
06         = "06 Through school"
07         = "07 Through parents"
;

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08      = "08 Through other relative"
97      = "97 Refused"
98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA049X
0-10.99 = "0.00 to 10.99"
11.00    = "11.00+"
;

VALUE SA050X
1        = "1 Reassigned to private from public"
;

VALUE SA051X
1        = "1 Deductible is less than $1,400"
2        = "2 Deductible is $1,400 or more"
7        = "7 Refused"
8        = "8 Not Ascertained"
9        = "9 Don't Know"
;

VALUE SA052X
1        = "1 White only"
2        = "2 Black/African American only"
3        = "3 Asian only"
4        = "4 AIAN only"
5        = "5 AIAN and any other group"
6        = "6 Other single and multiple races"
7        = "7 Refused"
8        = "8 Not Ascertained"
9        = "9 Don't know"
;

VALUE SA053X
01      = "01 0.00 - 0.49"
02      = "02 0.50 - 0.74"
03      = "03 0.75 - 0.99"
04      = "04 1.00 - 1.24"
05      = "05 1.25 - 1.49"
06      = "06 1.50 - 1.74"
07      = "07 1.75 - 1.99"
08      = "08 2.00 - 2.49"
09      = "09 2.50 - 2.99"
10      = "10 3.00 - 3.49"
11      = "11 3.50 - 3.99"
12      = "12 4.00 - 4.49"
13      = "13 4.50 - 4.99"
14      = "14 5.00 or greater"
98      = "98 Not Ascertained"
;

VALUE SA054X
10      = "10 Sample Adult"
20      = "20 Sample Child"
30      = "30 Sample Adult Income"
40      = "40 Sample Child Income"
50      = "50 Paradata"
;

VALUE SA055X
1        = "1 Northeast"
2        = "2 Midwest"
3        = "3 South"
4        = "4 West"
;

VALUE SA056X
1        = "1 Sample adult is parent of sample child"
2        = "2 Sample adult is not parent of sample child"
3        = "3 No sample child in sample adult's family"
9        = "9 Unknown"
;

VALUE SA057X
00      = "00 None"
;
```

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1-39          = "1-39 days"
40            = "40 40+ days"
96            = "96 Did not go to school"
97            = "97 Refused"
98            = "98 Not Ascertained"
99            = "99 Don't Know"
;

VALUE SA058X
2017-2021    = "2017-2021"
9996          = "9996 Reported year before 2017"
9997          = "9997 Refused"
9998          = "9998 Not Ascertained"
9999          = "9999 Don't Know"
;

VALUE SA059X
1              = "1 Current every day smoker"
2              = "2 Current some day smoker"
3              = "3 Former smoker"
4              = "4 Never smoker"
5              = "5 Smoker, current status unknown"
9              = "9 Unknown if ever smoked"
;

VALUE SA060X
1              = "1 All of the time"
2              = "2 Most of the time"
3              = "3 Some of the time"
4              = "4 None of the time"
5              = "5 Only worked at main job when social distancing measures were in effect"
7              = "7 Refused"
8              = "8 Not Ascertained"
9              = "9 Don't Know"
;

VALUE SA061X
1963-2021    = "Survey year"
;

VALUE SA062X
0              = "0 times"
1              = "1 time"
2              = "2 times"
3              = "3 times"
4              = "4 times"
5              = "5 5+ times"
7              = "7 Refused"
8              = "8 Not Ascertained"
9              = "9 Don't Know"
;

VALUE SA063X
1              = "1 Large central metro"
2              = "2 Large fringe metro"
3              = "3 Medium and small metro"
4              = "4 Nonmetropolitan"
;

VALUE SA064X
1900-2030    = "Year"
9997          = "9997 Refused"
9998          = "9998 Not Ascertained"
9999          = "9999 Don't Know"
;

VALUE SA065X
1              = "1 Yes"
2              = "2 No"
9              = "9 Don't Know"
;

VALUE SA066X
1              = "1 Yes"
2              = "2 No"
3              = "3 Unknown"
;

```

```
VALUE SA067X  
 1          = "1 Yes"  
;  
  
VALUE SA068X  
 1          = "1 Less than 1 year"  
 2          = "2 1 to less than 5 years"  
 3          = "3 5 to less than 10 years"  
 4          = "4 10 to less than 15 years"  
 5          = "5 15 years or more"  
 9          = "9 Unknown"  
;  
  
VALUE SA069X  
 2006-2021    = "2006-2021"  
 9996        = "9996 Reported year before 2006"  
 9997        = "9997 Refused"  
 9998        = "9998 Not Ascertained"  
 9999        = "9999 Don't Know"  
;  
  
VALUE SA070X  
 1          = "1 Less than 65"  
 2          = "2 65 or older"  
 7          = "7 Refused"  
 8          = "8 Not Ascertained"  
 9          = "9 Don't Know"  
;  
  
VALUE SA071X  
 1          = "1 All of the time"  
 2          = "2 Most of the time"  
 3          = "3 Some of the time"  
 4          = "4 A little of the time"  
 5          = "5 None of the time"  
 7          = "7 Refused"  
 8          = "8 Not Ascertained"  
 9          = "9 Don't Know"  
;  
  
VALUE SA072X  
 1          = "1 Very worried"  
 2          = "2 Somewhat worried"  
 3          = "3 Not at all worried"  
 7          = "7 Refused"  
 8          = "8 Not Ascertained"  
 9          = "9 Don't Know"  
;  
  
VALUE SA073X  
 1          = "1 Better"  
 2          = "2 Worse"  
 3          = "3 No Change"  
 7          = "7 Refused"  
 8          = "8 Not Ascertained"  
 9          = "9 Don't Know"  
;  
  
VALUE SA074X  
 1          = "1 More social and emotional support"  
 2          = "2 Less social and emotional support"  
 3          = "3 About the same"  
 7          = "7 Refused"  
 8          = "8 Not Ascertained"  
 9          = "9 Don't Know"  
;  
  
VALUE SA075X  
 1          = "1 A few things"  
 2          = "2 A lot of things"  
 3          = "3 Almost everything"  
 7          = "7 Refused"  
 8          = "8 Not Ascertained"  
 9          = "9 Don't Know"  
;
```

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VALUE SA076X
 1 = "1 Sometimes"
 2 = "2 Often"
 3 = "3 All of the time"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA077X
 1 = "1 Difficulty remembering only"
 2 = "2 Difficulty concentrating only"
 3 = "3 Difficulty with both remembering and concentrating"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA078X
 1 = "1 Colonoscopy"
 2 = "2 Sigmoidoscopy"
 3 = "3 Both"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA079X
 1 = "1 Part of a routine exam"
 2 = "2 Because of a problem"
 3 = "3 Follow-up test of an earlier test or screening exam"
 4 = "4 Other reason"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA080X
 1 = "1 Yes"
 2 = "2 No"
 3 = "3 Did not receive results"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA081X
 1 = "1 No symptoms"
 2 = "2 Mild symptoms"
 3 = "3 Moderate symptoms"
 4 = "4 Severe symptoms"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA082X
 1 = "1 vaccination"
 2 = "2 vaccinations"
 3 = "3 More than 2 vaccinations"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA083X
 97 = "97 Refused"
 98 = "98 Not Ascertained"
 99 = "99 Don't Know"
;

VALUE SA084X
 97 = "97 Refused"
 98 = "98 Not Ascertained"
 99 = "99 Don't Know"
;

```

```

VALUE SA085X
 97      = "97 Refused"
 98      = "98 Not Ascertained"
 99      = "99 Don't Know"
;

VALUE SA086X
 97      = "97 Refused"
 98      = "98 Not Ascertained"
 99      = "99 Don't Know"
;

VALUE SA087X
 1      = "1 Less than 1 month"
 2      = "2 1 month to less than 6 months"
 3      = "3 6 months to less than 1 year"
 4      = "4 1 year or more"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA088X
 1      = "1 Type 1"
 2      = "2 Type 2"
 3      = "3 Other type of diabetes"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA089X
 1      = "1 No difficulty"
 2      = "2 Some difficulty"
 3      = "3 A lot of difficulty"
 4      = "4 Cannot do at all"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA090X
 1      = "1 No difficulty"
 2      = "2 A little difficulty"
 3      = "3 Moderate difficulty"
 4      = "4 A lot of difficulty"
 5      = "5 Cannot smell at all"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA091X
 1      = "1 No difficulty"
 2      = "2 A little difficulty"
 3      = "3 Moderate difficulty"
 4      = "4 A lot of difficulty"
 5      = "5 Cannot taste at all"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA092X
 00     = "00 Never attended/kindergarten only"
 01     = "01 Grade 1-11"
 02     = "02 12th grade, no diploma"
 03     = "03 GED or equivalent"
 04     = "04 High School Graduate"
 05     = "05 Some college, no degree"
 06     = "06 Associate degree: occupational, technical, or vocational program"
 07     = "07 Associate degree: academic program"
 08     = "08 Bachelor's degree (Example: BA, AB, BS, BBA)"
 09     = "09 Master's degree (Example: MA, MS, MEng, MEd, MBA)"
 10     = "10 Professional School or Doctoral degree (Example: MD, DDS, DVM, JD, PhD, EdD)"
 97     = "97 Refused"
 98     = "98 Not Ascertained"
;
```

```

99          = "99 Don't Know"
;

VALUE SA093X
1           = "1 Employee of a PRIVATE company for wages"
2           = "2 A FEDERAL government employee"
3           = "3 A STATE government employee"
4           = "4 A LOCAL government employee"
5           = "5 Self-employed in OWN business, professional practice or farm"
6           = "6 Working WITHOUT PAY in a family-owned business or farm"
7           = "7 Refused"
8           = "8 Not Ascertained"
9           = "9 Don't Know"
;

VALUE SA094X
1           = "1 Within the past 12 months"
2           = "2 1-5 years ago"
3           = "3 Over 5 years ago"
4           = "4 Never worked"
7           = "7 Refused"
8           = "8 Not Ascertained"
9           = "9 Don't Know"
;

VALUE SA095X
01          = "01 Unemployed, laid off, looking for work"
02          = "02 Seasonal/contract work"
03          = "03 Retired"
04          = "04 Unable to work for health reasons/disabled"
05          = "05 Taking care of house or family"
06          = "06 Going to school"
07          = "07 Working at a family-owned job or business not for pay"
08          = "08 Other"
97          = "97 Refused"
98          = "98 Not Ascertained"
99          = "99 Don't Know"
;

VALUE SA096X
0           = "0"
1           = "1"
2           = "2 or 3"
3           = "3 4 or more"
7           = "7 Refused"
8           = "8 Not Ascertained"
9           = "9 Don't know"
;

VALUE SA097X
1           = "1 Part of a routine exam"
2           = "2 Because of a problem"
3           = "3 Other reason"
7           = "7 Refused"
8           = "8 Not Ascertained"
9           = "9 Don't Know"
;

VALUE SA098X
1           = "1 Every day"
2           = "2 Some days"
3           = "3 Not at all"
7           = "7 Refused"
8           = "8 Not Ascertained"
9           = "9 Don't Know"
;

VALUE SA099X
1           = "1 Fully recovered"
2           = "2 Partially recovered"
3           = "3 Not recovered at all"
7           = "7 Refused"
8           = "8 Not Ascertained"
9           = "9 Don't Know"
;

VALUE SA100X
about:blank

```

```

1          = "1 All of the time"
2          = "2 Some of the time"
3          = "3 Rarely"
4          = "4 Never"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA101X
1          = "1 Owned or being bought"
2          = "2 Rented"
3          = "3 Other arrangement"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA102X
1          = "1 Never"
2          = "2 Some days"
3          = "3 Most days"
4          = "4 Every day"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA103X
1          = "1 Daily"
2          = "2 Weekly"
3          = "3 Monthly"
4          = "4 A few times a year"
5          = "5 Never"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA104X
1          = "1 day or less"
2          = "2 to 3 days"
3          = "3 4 to 6 days"
4          = "4 1 to 2 weeks"
5          = "5 2 to 4 weeks"
6          = "6 More than 1 month"
7          = "7 Refused"
8          = "8 Not ascertained"
9          = "9 Don't know"
;

VALUE SA105X
1          = "1 Not at all"
2          = "2 A small amount"
3          = "3 A moderate amount"
4          = "4 A large amount"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA106X
1          = "1 Very easy"
2          = "2 Somewhat easy"
3          = "3 Somewhat difficult"
4          = "4 Very difficult"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA107X
1          = "1 Very likely"
2          = "2 Fairly likely"
3          = "3 Somewhat likely"
4          = "4 Not at all likely"
7          = "7 Refused"
;
```

```

8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA108X
1          = "1 Daytime shift"
2          = "2 Evening shift"
3          = "3 Night shift"
4          = "4 Rotating shift"
5          = "5 Some other shift"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA109X
1          = "1 A little"
2          = "2 A lot"
3          = "3 Somewhere in between a little and a lot"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA110X
1          = "1 LSATIS11_A asked first in SA"
2          = "2 LSATIS4_A asked first in SA"
;

VALUE SA111X
01         = "01 No reason/never thought about it"
02         = "02 Didn't need it/didn't know I needed this type of test"
03         = "03 Doctor didn't order it/didn't say I needed it"
04         = "04 Haven't had any problems"
05         = "05 Put it off/didn't get around to it"
06         = "06 Too expensive/no insurance/cost"
07         = "07 Too painful, unpleasant, or embarrassing"
08         = "08 Don't have a doctor"
09         = "09 I am too old"
10         = "10 I am too young"
11         = "11 Other"
97         = "97 Refused"
98         = "98 Not Ascertained"
99         = "99 Don't Know"
;

VALUE SA112X
1          = "1 Married"
2          = "2 Living with a partner together as an unmarried couple"
3          = "3 Neither"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA113X
1          = "1 Part A- hospital only"
2          = "2 Part B- medical only"
3          = "3 Both Part A and Part B"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA114X
1          = "1 Mentioned"
2          = "2 Not mentioned"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA115X
01         = "01 January"
02         = "02 February"
03         = "03 March"
04         = "04 April"
;
```

```

05      = "05 May"
06      = "06 June"
07      = "07 July"
08      = "08 August"
09      = "09 September"
10      = "10 October"
11      = "11 November"
12      = "12 December"
97      = "97 Refused"
98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA116X
97      = "97 Refused"
98      = "98 Not Ascertained"
99      = "99 Don't Know"
;

VALUE SA117X
1       = "1 Not at all"
2       = "2 A little"
3       = "3 A lot"
4       = "4 Somewhere in between a little and a lot"
7       = "7 Refused"
8       = "8 Not Ascertained"
9       = "9 Don't Know"
;

VALUE SA118X
0       = "0 No cancer"
1-3     = "1-3 cancers"
4       = "4 or more cancers"
7       = "7 Refused"
8       = "8 Not Ascertained"
9       = "9 Don't Know"
;

VALUE SA119X
1       = "1 ^GayLesbian"
2       = "2 Straight, that is, not ^gaylesbian"
3       = "3 Bisexual"
4       = "4 Something else"
5       = "5 I don't know the answer"
7       = "7 Refused"
8       = "8 Not Ascertained"
9       = "9 Don't Know"
;

VALUE SA120X
1       = "1 Less overwhelmed"
2       = "2 More overwhelmed"
3       = "3 About the same"
7       = "7 Refused"
8       = "8 Not Ascertained"
9       = "9 Don't Know"
;

VALUE SA121X
01     = "01 No reason/never thought about it"
02     = "02 Didn't need it/didn't know I needed this type of test"
03     = "03 Doctor didn't order it/didn't say I needed it"
04     = "04 Haven't had any problems"
05     = "05 Put it off/didn't get around to it"
06     = "06 Too expensive/no insurance/cost"
07     = "07 Too painful, unpleasant, or embarrassing"
08     = "08 Had hysterectomy"
09     = "09 Don't have a doctor"
10     = "10 Had HPV vaccine"
11     = "11 I am too old"
12     = "12 I am too young"
13     = "13 Other"
97     = "97 Refused"
98     = "98 Not Ascertained"
99     = "99 Don't Know"
;

```

```

VALUE SA122X
 1 = "1 Excellent"
 2 = "2 Very Good"
 3 = "3 Good"
 4 = "4 Fair"
 5 = "5 Poor"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA123X
 1 = "1 A doctor's office or health center"
 2 = "2 Urgent care center or clinic in a drug store or grocery store"
 3 = "3 Hospital emergency room"
 4 = "4 A VA Medical Center or VA outpatient clinic"
 5 = "5 Some other place"
 6 = "6 Does not go to one place most often"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA124X
 1 = "1 Less than ^HDHPAMT_A"
 2 = "2 ^HDHPAMT_A or more"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA125X
 1 = "1 Relative who lives in household"
 2 = "2 Relative who doesn't live in household"
 3 = "3 Nonrelative who lives in household"
 4 = "4 Nonrelative who does not live in household"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA126X
 1 = "1 Child"
 2 = "2 Spouse"
 3 = "3 Former spouse"
 4 = "4 Some other relationship"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA127X
 1 = "1 None of the cost"
 2 = "2 Part of the cost"
 3 = "3 All of the cost"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA128X
 1 = "1 Self"
 2 = "2 Doctor"
 3 = "3 Someone else"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

VALUE SA129X
 1 = "1 One pneumonia shot"
 2 = "2 Two pneumonia shots"
 3 = "3 More than two pneumonia shots"
 7 = "7 Refused"
 8 = "8 Not Ascertained"
 9 = "9 Don't Know"
;

```

```

VALUE SA130X
 1      = "1 All of the time"
 2      = "2 Most of the time"
 3      = "3 Some of the time"
 4      = "4 None of the time"
 5      = "5 Only worked at main job while social distancing measures were in effect"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA131X
 1      = "1 Available"
 2      = "2 Not Available or not able to answer right now"
 3      = "3 Physical or mental condition prohibits responding"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
;

VALUE SA132X
 1      = "1 Very satisfied"
 2      = "2 Satisfied"
 3      = "3 Dissatisfied"
 4      = "4 Very dissatisfied"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA133X
 97     = "97 Refused"
 98     = "98 Not Ascertained"
 99     = "99 Don't Know"
;

VALUE SA134X
 1      = "1 All of the time"
 2      = "2 Most of the time"
 3      = "3 Some of the time"
 4      = "4 None of the time"
 5      = "5 Did not work at main job when social distancing measures were in effect"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA135X
 1      = "1 Male"
 2      = "2 Female"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA136X
 1      = "1 One Shingrix shot"
 2      = "2 Two Shingrix shots"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA137X
 1      = "1 All of the time"
 2      = "2 Most of the time"
 3      = "3 Some of the time"
 4      = "4 None of the time"
 7      = "7 Refused"
 8      = "8 Not Ascertained"
 9      = "9 Don't Know"
;

VALUE SA138X
 1      = "1 SSI"
 2      = "2 SSDI"
 3      = "3 Both SSI and SSDI"
;
```

```

7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA139X
0          = "0 Not applicable/None eligible"
1          = "1 Completed"
2          = "2 HH member selected"
3          = "3 Reached Sample Adult"
4          = "4 Started HIS section"
5          = "5 Sufficient Partial"
6          = "6 HH member selected and no longer eligible"
7          = "7 Refused"
;

VALUE SA140X
1          = "1 Always"
2          = "2 Usually"
3          = "3 Sometimes"
4          = "4 Rarely"
5          = "5 Never"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA141X
1          = "1 Within the past year (anytime less than 12 months ago)"
2          = "2 Within the past 2 years (1 year but less than 2 years ago)"
3          = "3 Within the past 3 years (2 years but less than 3 years ago)"
4          = "4 Within the past 5 years (3 years but less than 5 years ago)"
5          = "5 Within the past 10 years (5 years but less than 10 year ago)"
6          = "6 10 years ago or more"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA142X
0          = "0 Never"
1          = "1 Within the past year (anytime less than 12 months ago)"
2          = "2 Within the last 2 years (1 year but less than 2 years ago)"
3          = "3 Within the last 3 years (2 years but less than 3 years ago)"
4          = "4 Within the last 5 years (3 years but less than 5 years ago)"
5          = "5 Within the last 10 years (5 years but less than 10 years ago)"
6          = "6 10 years ago or more"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA143X
1          = "1 Less than 1 year"
2          = "2 1 to 3 years"
3          = "3 4 to 10 years"
4          = "4 11 to 20 years"
5          = "5 More than 20 years"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA144X
1          = "1 Often true"
2          = "2 Sometimes true"
3          = "3 Never true"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA145X
1          = "1 Yes"
2          = "2 There is NO place"
3          = "3 There is MORE THAN ONE place"
7          = "7 Refused"
;
```

```

8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA146X
1          = "1 All of the time"
2          = "2 Most of the time"
3          = "3 Some of the time"
4          = "4 None of the time"
5          = "5 Only worked at current main job while social distancing measures were in effect"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA147X
1          = "1 Yes"
2          = "2 No"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA148X
1          = "1 Before pregnancy"
2          = "2 During pregnancy"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA149X
1          = "1 Before pregnancy"
2          = "2 During pregnancy"
3          = "3 After pregnancy"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;

VALUE SA150X
1          = "1 Under 30 years"
2          = "2 30-39"
3          = "3 40-49"
4          = "4 50-59"
5          = "5 60-74"
6          = "6 75 years or older"
7          = "7 Refused"
8          = "8 Not Ascertained"
9          = "9 Don't Know"
;
run;

```

```
/* data step to load ASCII file into a SAS dataset */
```

```

data NHIS.&adultds;
infile ASCIIDAT pad;

/* define variable lengths */
length
  /* IDN LENGTHS */
  RECTYPE           3   SRVY_YR           3   HHX             $    7
  WTFA_A           8

  /* UCF LENGTHS */
  URBRLL          3   REGION          3   PSTRAT          3
  PPSU            3

  /* FLG LENGTHS */
  HHRESPSA_FLG    3

  /* GEN LENGTHS */
  INTV_QRT         3   INTV_MON         3   HHSTAT_A        3
  ASTATNEW        3   AVAIL_A          3   PROXY_A         3
  PROXYREL_A      3

  /* HHC LENGTHS */
  AGEP_A           3   AGE65           3   SEX_A           3

```

EDUCP_A	3	AFNOW	3	HISP_A	3
HISPALLP_A	3	HISDETP_A	3	RACEALLP_A	3
PCNT18UPTC	3	PCNLT18TC	3		
<i>/* FAM LENGTHS */</i>					
PCNTADLT_A	3	PCNTKIDS_A	3	OVER65FLG_A	3
MLTFAMFLG_A	3	MAXEDUCP_A	3		
<i>/* HIS LENGTHS */</i>					
PHSTAT_A	3				
<i>/* LS3 LENGTHS */</i>					
LSATIS11R_A	3	LSATIS4R_A	3	LSROTATE_FLG	3
<i>/* HYP LENGTHS */</i>					
HYPEV_A	3	HYPDIF_A	3	HYP12M_A	3
HYPMED_A	3				
<i>/* CHL LENGTHS */</i>					
CHLEV_A	3	CHL12M_A	3	CHLMED_A	3
<i>/* CVC LENGTHS */</i>					
CHDEV_A	3	ANGEV_A	3	MIEV_A	3
STREV_A	3				
<i>/* ASP LENGTHS */</i>					
ASPMEDDEV_A	3	ASPMEDDOWN_A	3	ASPMEDSTP_A	3
ASPONOWN_A	3				
<i>/* AST LENGTHS */</i>					
ASEV_A	3	ASTILL_A	3	ASAT12M_A	3
ASER12M_A	3				
<i>/* CAN LENGTHS */</i>					
CANEV_A	3	BLADDCAN_A	3	BLADDAGETC_A	3
BLOODCAN_A	3	BLOODAGETC_A	3	BONECAN_A	3
BONEAGETC_A	3	BRAINCAN_A	3	BRAINAGETC_A	3
BREASCAN_A	3	BREASAGETC_A	3	CERVICAN_A	3
CERVIAGETC_A	3	COLONCAN_A	3	COLONAGETC_A	3
ESOPHCAN_A	3	ESOPHAGETC_A	3	GALLBCAN_A	3
GALLBAGETC_A	3	LARYNCAN_A	3	LARYNAGETC_A	3
LEUKECAN_A	3	LEUKEAGETC_A	3	LIVERCAN_A	3
LIVERAGETC_A	3	LUNGCAN_A	3	LUNGAGETC_A	3
LYMPHCAN_A	3	LYMPHAGETC_A	3	MELANCAN_A	3
MELANAGETC_A	3	MOUTHCAN_A	3	MOUTHAGETC_A	3
OVARYCAN_A	3	OVARYAGETC_A	3	PANCRCAN_A	3
PANCRAGETC_A	3	PROSTCAN_A	3	PROSTAGETC_A	3
RECTUCAN_A	3	RECTUAGETC_A	3	SKNMCAN_A	3
SKNMAGETC_A	3	SKNNMCAN_A	3	SKNNMAGETC_A	3
SKNDKCAN_A	3	SKNDKAGETC_A	3	STOMACAN_A	3
STOMAAGETC_A	3	THROACAN_A	3	THROAAGETC_A	3
THYROCAN_A	3	THYROAGETC_A	3	UTERUCAN_A	3
UTERUAGETC_A	3	HDNCKCAN_A	3	HDNCKAGETC_A	3
COLRCCAN_A	3	COLRCAGETC_A	3	OTHERCANP_A	3
OTHERAGETC_A	3	NUMCAN_A	3		
<i>/* DIB LENGTHS */</i>					
PREDIB_A	3	GESDIB_A	3	DIBEV_A	3
DIBAGETC_A	3	DIFYRSTC1_A	3	DIBPILL_A	3
DIBINS_A	3	DIBINSTIME_A	3	DIBINSSTOP_A	3
DIBINSSTYR_A	3	INSSSKIP12M_A	3	INSLESS12M_A	3
INSDLY12M_A	3	DIBTYPE_A	3	DIBSTRESS_A	3
DIBCSTRESS_A	3				
<i>/* CON LENGTHS */</i>					
COPDEV_A	3	ARTHEV_A	3	DEMENEV_A	3
ANXEV_A	3	DEPEV_A	3		
<i>/* RCN LENGTHS */</i>					
KIDWEAKEV_A	3	HEPEV_A	3	LIVEREV_A	3
CFSEV_A	3	CFSNOW_A	3	COLDFLU12M_A	3
DRYMTH12M_A	3				
<i>/* ISN LENGTHS */</i>					
MEDRXTRT_A	3	HLTHCOND_A	3		

<i>/* EPI LENGTHS */</i>					
EPIEV_A	3	EPIMED_A	3	EPINUMSEZP_A	3
EPIDR_A	3				
<i>/* ALG LENGTHS */</i>					
CURRESP_A	3	DXRESP_A	3	CURFOOD_A	3
DXFOOD_A	3	CURSKIN_A	3	DXSKIN_A	3
<i>/* BMI LENGTHS */</i>					
PREGNOW_A	3	HEIGHTTC_A	3	WEIGHTLBTC_A	3
BMICAT_A	3				
<i>/* VIS LENGTHS */</i>					
WEARGLSS_A	3	VISIONDF_A	3		
<i>/* HEA LENGTHS */</i>					
HEARAID_A	3	HEARAIDFR_A	3	HEARINGDF_A	3
HEARQTRM_A	3	HEARNYRM_A	3		
<i>/* MOB LENGTHS */</i>					
DIFF_A	3	EQUIP_A	3	WLK100_A	3
WLK13M_A	3	STEPS_A	3	CANEWLKR_A	3
WCHAIR_A	3	PERASST_A	3	NOEQWLK100_A	3
NOEQWLK13M_A	3	NOEQSTEPS_A	3	EQWLK100_A	3
EQWLK13M_A	3	EQSTEPS_A	3		
<i>/* COM LENGTHS */</i>					
COMDIFF_A	3	COMUSES_L_A	3		
<i>/* COG LENGTHS */</i>					
COGMEMDFF_A	3	COGTYPEDFF_A	3	COGFRQDFF_A	3
COGAMTDFF_A	3				
<i>/* UPP LENGTHS */</i>					
UPPSLFCR_A	3	UPPRAISE_A	3	UPPOBJCT_A	3
DISAB3_A	3				
<i>/* SOC LENGTHS */</i>					
SOCERRNDS_A	3	SOCSCP_PAR_A	3	SOCWRKLIM_A	3
<i>/* ADO LENGTHS */</i>					
DEVDONSET_A	3				
<i>/* INS LENGTHS */</i>					
NOTCOV_A	3	COVER_A	3	COVER65_A	3
SINCOVDE_A	3	SINCOVVS_A	3	SINCOVRX_A	3
MEDICARE_A	3	MCPART_A	3	MCCHOICE_A	3
MCHMO_A	3	MCADVR_A	3	MCPARTD_A	3
MEDICAID_A	3	MAXCHNG_A	3	MAPREM_A	3
MADEDUC_A	3	MAHDHP_A	3	MAFLG_A	3
PRIVATE_A	3	EXCHANGE_A	3	POLHLD1_A	3
PRPLCOV1_A	3	PRPOLH1_A	3	PRPLCOV1_C_A	3
PLNWRKR1_A	3	PLNEXCHG1_A	3	PLN1PAY1_A	3
PLN1PAY2_A	3	PLN1PAY3_A	3	PLN1PAY4_A	3
PLN1PAY5_A	3	PLN1PAY6_A	3	HICOSTR1_A	3
PRDEDUC1_A	3	PRHDHP1_A	3	HSAHRA1_A	3
PRRXCOV1_A	3	PRDNCOV1_A	3	PRVSCOV1_A	3
EXCHPR1_A	3	PRFLG_A	3	PXCHNG1_A	3
PRPREM1_A	3	PLEXCHPR1_A	3	POLHLD2_A	3
PRPLCOV2_A	3	PRPOLH2_A	3	PRPLCOV2_C_A	3
PLNWRKR2_A	3	PLNEXCHG2_A	3	PLN2PAY1_A	3
PLN2PAY2_A	3	PLN2PAY3_A	3	PLN2PAY4_A	3
PLN2PAY5_A	3	PLN2PAY6_A	3	HICOSTR2_A	3
PRDEDUC2_A	3	PRHDHP2_A	3	HSAHRA2_A	3
PRRXCOV2_A	3	PRDNCOV2_A	3	PRVSCOV2_A	3
EXCHPR2_A	3	CHIP_A	3	CHXCHNG_A	3
CHPREM_A	3	CHDEDUC_A	3	CHHDHP_A	3
CHFLG_A	3	OTHPUB_A	3	OPXCHNG_A	3
OPPREM_A	3	OPDEDUC_A	3	OPHDHP_A	3
PLEXCHOP_A	3	OPFLG_A	3	OTHGOV_A	3
OGXCHNG_A	3	OGPREM_A	3	OGDEDUC_A	3
OGHDP_A	3	PLEXCHOG_A	3	OGFLG_A	3
MILITARY_A	3	MILSPC1R_A	3	MILSPC2_A	3
MILSPC3_A	3	IHS_A	3	HILAST_A	3

HILASTMY_A	3	HISTOPJOB_A	3	HISTOPMISS_A	3
HISTOPAGE_A	3	HISTOPCOST_A	3	HISTOPELIG_A	3
RSNHICOST_A	3	RSNHIWANT_A	3	RSNHIELIG_A	3
RSNHICONF_A	3	RSNHIMEET_A	3	RSNHWAIT_A	3
RSNHIOTH_A	3	RSNHJOB_A	3	RSNHIMISS_A	3
HINOTYR_A	3	HINOTMYR_A	3	MILSPC1_A	3
HICOV_A	3	HIKIND01_A	3	HIKIND02_A	3
HIKIND03_A	3	HIKIND04_A	3	HIKIND05_A	3
HIKIND06_A	3	HIKIND07_A	3	HIKIND08_A	3
HIKIND09_A	3	HIKIND10_A	3	MCAREPRB_A	3
MCAIDPRB_A	3				
<i>/* PAY LENGTHS */</i>					
PAYBLL12M_A	3	PAYNOBLLNW_A	3	PAYWORRY_A	3
<i>/* CVD LENGTHS */</i>					
CVDDIAG_A	3	COVIDTEST_A	3	CVDRSLT_A	3
CVDSEV_A	3				
<i>/* TSC LENGTHS */</i>					
CVDSYMSM_A	3	CVDSMREC_A	3	CVDSYMTST_A	3
CVDTSTREC_A	3				
<i>/* UTZ LENGTHS */</i>					
LASTDR_A	3	WELLNESS_A	3	WELLVIS_A	3
USUALPL_A	3	USPLKIND_A	3	URGNT12MTC_A	3
EMERG12MTC_A	3	HOSPONGT_A	3	MEDDL12M_A	3
MEDNG12M_A	3				
<i>/* ACC LENGTHS */</i>					
DLYCARE_A	3	DNGCARE_A	3	VIRAPP12M_A	3
VIRAPPCVD_A	3				
<i>/* CNV LENGTHS */</i>					
CANCOVTREA_A	3	CANCOVCHG_A	3	CANCOVOTH_A	3
CANCOVCARE_A	3				
<i>/* PMD LENGTHS */</i>					
RX12M_A	3	RXSK12M_A	3	RXLS12M_A	3
RXDL12M_A	3	RXDG12M_A	3		
<i>/* PRV LENGTHS */</i>					
BPLAST_A	3	CHOLLAST_A	3	DIBLAST1_A	3
DIBA1CLAST_A	3	DIBA1CNMT_A	3	COLORECTEV_A	3
COLORECTYP_A	3	COLWHEN_A	3	COLREASON_A	3
COLPAY_A	3	COLSIGWHEN_A	3	SIGWHEN_A	3
CTCOLEV1_A	3	CTCOLWHEN1_A	3	FITHEV1_A	3
FITHWHEN1_A	3	COLOGUARD1_A	3	FITCOLG1_A	3
CGUARDWHE1_A	3	COLPROB1_A	3	COLTEST1_A	3
COLTEST2_A	3	COLTEST3_A	3	COLTEST4_A	3
COLTEST5_A	3	COLTEST6_A	3	PSATEST_A	3
PSAWHEN_A	3	PSAREASON_A	3	PSASUGGEST_A	3
CERVICEV1_A	3	CERVICWHEN_A	3	CERREASON1_A	3
PAPTEST_A	3	HPVTEST_A	3	TELLCERVIC_A	3
CERVICRES_A	3	CERVICNOT1_A	3	HYSTEV1_A	3
MAMEV_A	3	MAMWHEN_A	3	MAMPAY_A	3
MAMREASON_A	3	MAMAGE1ST1_A	3	MAMNOT1_A	3
<i>/* IMS LENGTHS */</i>					
PREGFLUYR_A	3	LIVEBIRTH_A	3	SHTFLU12M_A	3
SHTFLUM_A	3	SHTFLUY_A	3	FLUPREG_A	3
FLUPREG2_A	3	SHTCVD19_A	3	SHTCVD19NM_A	3
CVDVAC1MR_A	3	CVDVAC1YR_A	3	CVDVAC2MR_A	3
CVDVAC2YR_A	3	SHTCVD19AV_A	3	SHTPNUEV_A	3
SHTPNEUNB_A	3	SHTSHINGLE_A	3	ZOSTAVAX1_A	3
ZOSTAVXYRP_A	3	ZOSTAWHEN_A	3	SHINGRIX1_A	3
SHINGRIXNB_A	3	SHINGRXYRP_A	3	SHINGWHEN_A	3
TDAPPREG_A	3	SHTHEPB_A	3	SHTHEPA_A	3
LIVEHEP_A	3	WORKHEALTH_A	3	WRKHLTHFC_A	3
TRAVEL_A	3				
<i>/* CGR LENGTHS */</i>					
HOMEHC12M_A	3	HOMECAREDG_A	3	FAMCARE12M_A	3
FAMCAREDNG_A	3	FAMCARECVD_A	3		

```

/* ANX LENGTHS */
ANXFREQ_A          3  ANXMED_A           3  ANXLEVEL_A        3
                    3  DEPMED_A           3  DEPLEVEL_A        3

/* MHC LENGTHS */
MHRX_A             3  MHTHRPY_A         3  MHTPYNOW_A       3
MHTHDLY_A          3  MHTHND_A          3

/* SPD LENGTHS */
SAD_A               3  NERVOUS_A          3  RESTLESS_A       3
HOPELESS_A          3  EFFORT_A           3  WORTHLESS_A     3
K6SPD_A             3

/* PAI LENGTHS */
PAIFRQ3M_A          3  PAIAMNT_A          3  PAIWKL3M_A       3
PAIAFFM3M_A          3  PAIBACK3M_A        3  PAIULMB3M_A     3
PAIILMB3M_A          3  PAIHDFC3M_A        3  PAIAPG3M_A      3
PAITOOTH3M_A         3

/* REP LENGTHS */
REPSTRAIN_A          3  REPLIMIT_A         3  REPSAWDOC_A      3
REPWRKDYTC_A          3  REPFULWRK_A        3  REPSTOPCHG_A    3
REPREDUCE_A           3  REPWRKCAUS_A       3

/* INJ LENGTHS */
ANYINJURY_A          3  INJLIMIT_A          3  NUMINJTC_A       3
INJHOME_A             3  INJWORK_A           3  INJSPORTS_A      3
INJFALL_A              3  INJFALLHOM_A        3  INJFALLWRK_A    3
INJMOTOR_A             3  INJMVTTYPE1_A       3  INJMVTTYPE2_A    3
INJMVTTYPE3_A          3  INJMVTTYPE4_A       3  INJMVTTYPE5_A    3
INJCHORES_A            3  INJSAWDOC_A         3  INJER_A           3
INJHOSP_A              3  INJBONES_A          3  INJSTITCH_A      3
INJWRKDYTC_A           3  INJFUTWRK_A         3  INJSTOPCHG_A    3
INJREDUCE_A             3

/* TSM LENGTHS */
SMELLDFA              3  SMELLCOMP_A        3  SMELLPHT_A       3
TASTEDFA              3  TASTECOMP_A        3  TASTEFLAV_A      3
TASTEUNW_A             3  TSTSMLHP_A         3  TSTSMLAST_A     3

/* CIG LENGTHS */
SMKEV_A                3  SMKNOW_A           3  SMKCIGST_A       3
CIGNOW_A                3  SMK30D_A           3  CIG30D_A          3
ECIGEV_A                3  ECIGNOW_A          3  SMKECIGST_A     3

/* OTB LENGTHS */
CIGAREV_A              3  CIGARCUR_A         3  CIGAR30D_A       3
PIPEEV_A                3  PIPECUR_A          3  SMOKEELSEV_A    3
SMOKELSCUR_A             3

/* SOS LENGTHS */
SUPPORT_A              3  CMPSUPPORT_A       3

/* ORN LENGTHS */
ORIENT_A                3

/* MAR LENGTHS */
MARITAL_A              3  SPOUSLIV_A          3  SPOUSEP_A         3
EVRMARRIED_A            3  MARSTAT_A           3  LEGMSTAT_A       3
SPOUSESEX_A              3  SASPPRACE_A        3  SASPPHISP_A      3
SPOUSAGETC_A             3  SPOUSEDUCP_A       3  SPOUSWRK_A       3
SPOUSWKFT_A              3  PRTNRSEX_A          3  PRTNRAGETC_A    3
PRTNREDUCP_A             3  PRTNRWRK_A          3  PRTNRWKFT_A     3
SAPARENTSC_A             3  PARSTAT_A           3

/* VET LENGTHS */
AFVET_A                 3  AFVETTRN_A         3  COMBAT_A          3
VADISB_A                 3  VAHOSP_A           3  VACAREEV_A      3

/* NAT LENGTHS */

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NATUSBORN_A          3     YRSINUS_A           3     CITZNSTP_A          3
/* SCH LENGTHS */
SCHCURENR_A          3     SCHDYMSSTC_A        3
/* EMP LENGTHS */
EMPWRKLSW1_A         3     EMPWHYNOT_A        3     EMPLSTWOR1_A        3
EMPWKHRS3_A          3     EMPWRKF1_A         3     EMPSICKLV_A        3
EMPHEALINS_A         3     EMPDYSMSS3_A       3
/* EMD LENGTHS */
EMDINDSTN1_A         3     EMDINDSTN2_A       3     EMDOCCUPN1_A        3
EMDOCCUPN2_A          3     EMDSUPER_A         3     EMDWRKCAT1_A       3
/* JOB LENGTHS */
JOBTAX_A              3     JOBCHEARN_A        3     JOBSHIFT_A          3
JOBCHGSCH_A           3     JOBVARYSCH_A       3     JOBADVSCH_A         3
JOBLKYLOSS_A          3     JOBWRKSICK_A       3     JOBMISS_A           3
/* SDW LENGTHS */
CURJOBSD1_A           3     WRKCLSSD1_A        3     WRKCLNSD1_A         3
WRKCLSOFT1_A          3     SDMSRS1_A          3     SDMSRSSLT1_A        3
RECJOBSD1_A           3     JOBANYS1_A          3     RJCLSSD1_A          3
CLSWRKSD1_A           3     RJCLSNOSD1_A       3     RJCLSOFT1_A         3
CLSWRKNOS1_A          3
/* FEM LENGTHS */
PCNTADTWKP_A          3     PCNTADTWFP_A        3
/* INC LENGTHS */
INCWRKO_A              3     INCINTER_A          3     INCSSRR_A           3
INCSSISSDI_A           3     SSISSDIBTH_A        3     SSISSDIDS1_A        3
INCWELF_A              3     INCRETIRE_A         3     INCOTH1_A           3
IMPNUM_A               3     POVRATTC_A          8     RATCAT_A            3
IMPINCFLG_A            $    5
/* FOO LENGTHS */
FSNAP12M_A              3     FSNAP30D_A          3     FWIC12M_A            3
FLUNCH12M_A             3
/* FDS LENGTHS */
FDRUNOUT_A              3     FDSSLAST_A          3     FDSBALANCE_A        3
FDSSKIP_A               3     FDSSKIPDYS_A        3     FDSLESS_A            3
FDSHUNGRY_A              3     FDSWEIGHT_A          3     FDSNOTEAT_A          3
FDSNEDAYS_A             3     FDSCAT3_A           3     FDSCAT4_A            3
/* HOU LENGTHS */
HOUYRSLIV_A              3     HOUTENURE_A          3     HOUGVASST_A          3
;
/* input the data from the ASCII file */
input
/* IDN LOCATIONS */
RECTYPE      1 - 2          SRVY_YR      3 - 6
HHX          $ 7 - 13          WTFA_A       14 - 23
/* UCF LOCATIONS */
URBRLL       24 - 24          REGION      25 - 25
PSTRAT       26 - 28          PPSU        29 - 31
/* FLG LOCATIONS */
HHRESPSA_FLG  32 - 32
/* GEN LOCATIONS */
INTV_QRT     33 - 33          INTV_MON    34 - 35
HHSTAT_A     36 - 36          ASTATNEW   37 - 37
AVAIL_A      38 - 38          PROXY_A     39 - 39
PROXYREL_A   40 - 40
/* HHC LOCATIONS */
AGEP_A       41 - 42          AGE65       43 - 43
SEX_A        44 - 44          EDUCP_A     45 - 46

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AFNOW	47	- 47	HISP_A	48	- 48
HISPALLP_A	49	- 50	HISDETP_A	51	- 51
RACEALLP_A	52	- 52	PCNT18UPTC	53	- 53
PCNLT18TC	54	- 54			
 /* FAM LOCATIONS */					
PCNTADLT_A	55	- 55	PCNTKIDS_A	56	- 56
OVER65FLG_A	57	- 57	MLTFAMFLG_A	58	- 58
MAXEDUCP_A	59	- 60			
 /* HIS LOCATIONS */					
PHSTAT_A	61	- 61			
 /* LS3 LOCATIONS */					
LSATIS11R_A	62	- 63	LSATIS4R_A	64	- 64
LSROTRATE_FLG	65	- 65			
 /* HYP LOCATIONS */					
HYPEV_A	66	- 66	HYPDIF_A	67	- 67
HYP12M_A	68	- 68	HYPMED_A	69	- 69
 /* CHL LOCATIONS */					
CHLEV_A	70	- 70	CHL12M_A	71	- 71
CHLMED_A	72	- 72			
 /* CVC LOCATIONS */					
CHDEV_A	73	- 73	ANGEV_A	74	- 74
MIEV_A	75	- 75	STREV_A	76	- 76
 /* ASP LOCATIONS */					
ASPMEDDEV_A	77	- 77	ASPMEDNOWN_A	78	- 78
ASPMEDSTP_A	79	- 79	ASPONOWN_A	80	- 80
 /* AST LOCATIONS */					
ASEV_A	81	- 81	ASTILL_A	82	- 82
ASAT12M_A	83	- 83	ASER12M_A	84	- 84
 /* CAN LOCATIONS */					
CANEV_A	85	- 85	BLADDCAN_A	86	- 86
BLADDAGETC_A	87	- 88	BLOODCAN_A	89	- 89
BLOODAGETC_A	90	- 91	BONECAN_A	92	- 92
BONEAGETC_A	93	- 94	BRAINCAN_A	95	- 95
BRAINAGETC_A	96	- 97	BRESCAN_A	98	- 98
BREASAGETC_A	99	- 100	CERVICAN_A	101	- 101
CERVIAGETC_A	102	- 103	COLONCAN_A	104	- 104
COLONAGETC_A	105	- 106	ESOPHCAN_A	107	- 107
ESOPHAGETC_A	108	- 109	GALLBCAN_A	110	- 110
GALLBAGETC_A	111	- 112	LARYNCAN_A	113	- 113
LARYNAGETC_A	114	- 115	LEUKECAN_A	116	- 116
LEUKEAGETC_A	117	- 118	LIVERCAN_A	119	- 119
LIVERAGETC_A	120	- 121	LUNGCAN_A	122	- 122
LUNGAGETC_A	123	- 124	LYMPHCAN_A	125	- 125
LYMPHAGETC_A	126	- 127	MELANCAN_A	128	- 128
MELANAGETC_A	129	- 130	MOUTHCAN_A	131	- 131
MOUTHAGETC_A	132	- 133	OVARYCAN_A	134	- 134
OVARYAGETC_A	135	- 136	PANCRCAN_A	137	- 137
PANCRAGETC_A	138	- 139	PROSTCAN_A	140	- 140
PROSTAGETC_A	141	- 142	RECTUCAN_A	143	- 143
RECTUAGETC_A	144	- 145	SKNMCAN_A	146	- 146
SKNMAGETC_A	147	- 148	SKNNMCAN_A	149	- 149
SKNNMAGETC_A	150	- 151	SKNDKCAN_A	152	- 152
SKNDKAGETC_A	153	- 154	STOMACAN_A	155	- 155
STOMAAGETC_A	156	- 157	THROACAN_A	158	- 158
THROAAGETC_A	159	- 160	THYROCAN_A	161	- 161
THYRAGETC_A	162	- 163	UTERUCAN_A	164	- 164
UTERUAGETC_A	165	- 166	HDNCKCAN_A	167	- 167
HDNCKAGETC_A	168	- 169	COLRCCAN_A	170	- 170
COLRCAGETC_A	171	- 172	OTHERCANP_A	173	- 173
OTHERAGETC_A	174	- 175	NUMCAN_A	176	- 176
 /* DIB LOCATIONS */					
PREDIB_A	177	- 177	GESDIB_A	178	- 178

DIBEV_A	179	-	179	DIBAGETC_A	180	-	181
DIFYRSTC1_A	182	-	183	DIBPILL_A	184	-	184
DIBINS_A	185	-	185	DIBINSTIME_A	186	-	186
DIBINSSTOP_A	187	-	187	DIBINSSTYR_A	188	-	188
INSSKIP12M_A	189	-	189	INSLESS12M_A	190	-	190
INSDLY12M_A	191	-	191	DIBTYPE_A	192	-	192
DIBSTRESS_A	193	-	193	DIBCSTRESS_A	194	-	194
 /* CON LOCATIONS */							
COPDEV_A	195	-	195	ARTHEV_A	196	-	196
DEMENEV_A	197	-	197	ANXEV_A	198	-	198
DEPEV_A	199	-	199				
 /* RCN LOCATIONS */							
KIDWEAKEV_A	200	-	200	HEPEV_A	201	-	201
LIVEREV_A	202	-	202	CFSEV_A	203	-	203
CFSNOW_A	204	-	204	COLDFLU12M_A	205	-	205
DRYMTH12M_A	206	-	206				
 /* ISN LOCATIONS */							
MEDRXTRT_A	207	-	207	HLTHCOND_A	208	-	208
 /* EPI LOCATIONS */							
EPIEV_A	209	-	209	EPIMED_A	210	-	210
EPINUMSEZP_A	211	-	211	EPIDR_A	212	-	212
 /* ALG LOCATIONS */							
CURRESP_A	213	-	213	DXRESP_A	214	-	214
CURFOOD_A	215	-	215	DXFOOD_A	216	-	216
CURSKIN_A	217	-	217	DXSKIN_A	218	-	218
 /* BMI LOCATIONS */							
PREGNOW_A	219	-	219	HEIGHTTC_A	220	-	221
WEIGHTLBTCA_A	222	-	224	BMICAT_A	225	-	225
 /* VIS LOCATIONS */							
WEARGLSS_A	226	-	226	VISIONDF_A	227	-	227
 /* HEA LOCATIONS */							
HEARAID_A	228	-	228	HEARAIDFR_A	229	-	229
HEARINGDF_A	230	-	230	HEARQTRM_A	231	-	231
HEARNYRM_A	232	-	232				
 /* MOB LOCATIONS */							
DIFF_A	233	-	233	EQUIP_A	234	-	234
WLK100_A	235	-	235	WLK13M_A	236	-	236
STEPS_A	237	-	237	CANEWLKR_A	238	-	238
WCHAIR_A	239	-	239	PERASST_A	240	-	240
NOEQWLK100_A	241	-	241	NOEQWLK13M_A	242	-	242
NOEQSTEPS_A	243	-	243	EQWLK100_A	244	-	244
EQWLK13M_A	245	-	245	EQSTEPS_A	246	-	246
 /* COM LOCATIONS */							
COMDIFF_A	247	-	247	COMUSES_L_A	248	-	248
 /* COG LOCATIONS */							
COGMEMDFF_A	249	-	249	COGTYPEDFF_A	250	-	250
COGFRQDFF_A	251	-	251	COGAMTDFF_A	252	-	252
 /* UPP LOCATIONS */							
UPPSLFCR_A	253	-	253	UPPRAISE_A	254	-	254
UPPOBJCT_A	255	-	255	DISAB3_A	256	-	256
 /* SOC LOCATIONS */							
SOCERRNDS_A	257	-	257	SOCSCPRLPAR_A	258	-	258
SOCWRKLIM_A	259	-	259				

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/* ADO LOCATIONS */
DEVDONSET_A      260  - 260

/* INS LOCATIONS */
NOTCOV_A          261  - 261    COVER_A           262  - 262
COVER65_A          263  - 263    SINCOVDE_A        264  - 264
SINCOVVS_A         265  - 265    SINCOVRX_A       266  - 266
MEDICARE_A         267  - 267    MCPART_A          268  - 268
MCCHOICE_A         269  - 269    MCHMO_A           270  - 270
MCADVR_A          271  - 271    MCPARTD_A         272  - 272
MEDICAID_A         273  - 273    MAXCHNG_A         274  - 274
MAPREM_A          275  - 275    MADEDUC_A         276  - 276
MAHDHP_A          277  - 277    MAFLG_A           278  - 278
PRIVATE_A          279  - 279    EXCHANGE_A        280  - 280
POLHLD1_A          281  - 281    PRPLCOV1_A        282  - 282
PRPOLH1_A          283  - 283    PRPLCOV1_C_A     284  - 284
PLNWRKR1_A         285  - 286    PLNEXCHG1_A       287  - 287
PLN1PAY1_A         288  - 288    PLN1PAY2_A        289  - 289
PLN1PAY3_A         290  - 290    PLN1PAY4_A        291  - 291
PLN1PAY5_A         292  - 292    PLN1PAY6_A        293  - 293
HICOSTR1_A         294  - 298    PRDEDUC1_A        299  - 299
PRHDHP1_A          300  - 300    HSAHRA1_A         301  - 301
PRRXCOV1_A         302  - 302    PRDNCOV1_A        303  - 303
PRVSCOV1_A         304  - 304    EXCHPR1_A         305  - 305
PRFLG_A            306  - 306    PXCHNG1_A         307  - 307
PRPREM1_A          308  - 308    PLEXCHPR1_A       309  - 309
POLHLD2_A          310  - 310    PRPLCOV2_A        311  - 311
PRPOLH2_A          312  - 312    PRPLCOV2_C_A     313  - 313
PLNWRKR2_A         314  - 315    PLNEXCHG2_A       316  - 316
PLN2PAY1_A         317  - 317    PLN2PAY2_A        318  - 318
PLN2PAY3_A         319  - 319    PLN2PAY4_A        320  - 320
PLN2PAY5_A         321  - 321    PLN2PAY6_A        322  - 322
HICOSTR2_A         323  - 327    PRDEDUC2_A        328  - 328
PRHDHP2_A          329  - 329    HSAHRA2_A         330  - 330
PRRXCOV2_A         331  - 331    PRDNCOV2_A        332  - 332
PRVSCOV2_A         333  - 333    EXCHPR2_A         334  - 334
CHIP_A              335  - 335    CHXCHNG_A         336  - 336
CHPREM_A            337  - 337    CHDEDUC_A         338  - 338
CHHDHP_A            339  - 339    CHFLG_A           340  - 340
OTHPUB_A            341  - 341    OPXCHNG_A         342  - 342
OPPREM_A             343  - 343    OPDEDUC_A         344  - 344
OPHDHP_A            345  - 345    PLEXCHOP_A        346  - 346
OPFLG_A              347  - 347    OTHGOV_A          348  - 348
OGXCHNG_A            349  - 349    OGPREM_A          350  - 350
OGDEDUC_A            351  - 351    OGHDHP_A          352  - 352
PLEXCHOG_A            353  - 353    OGFLG_A           354  - 354
MILITARY_A           355  - 355    MILSPC1R_A         356  - 356
MILSPC2_A             357  - 357    MILSPC3_A          358  - 358
IHS_A                359  - 359    HILAST_A           360  - 360
HILASTMY_A            361  - 362    HISTOPJOB_A        363  - 363
HISTOPMISS_A          364  - 364    HISTOPAGE_A        365  - 365
HISTOPCOST_A          366  - 366    HISTOPELIG_A       367  - 367
RSNHICOST_A           368  - 368    RSNHIWANT_A        369  - 369
RSNHIELIG_A           370  - 370    RSNHICONF_A        371  - 371
RSNHIMEET_A            372  - 372    RSNHIWAIT_A        373  - 373
RSNHIOTH_A             374  - 374    RSNHIJOB_A         375  - 375
RSNHIMISS_A            376  - 376    HINOTYR_A           377  - 377
HINOTMYR_A              378  - 379    MILSPC1_A           380  - 380
HICOV_A                381  - 381    HIKIND01_A          382  - 382
HIKIND02_A              383  - 383    HIKIND03_A          384  - 384
HIKIND04_A              385  - 385    HIKIND05_A          386  - 386
HIKIND06_A              387  - 387    HIKIND07_A          388  - 388
HIKIND08_A              389  - 389    HIKIND09_A          390  - 390
HIKIND10_A              391  - 391    MCAREPRB_A         392  - 392
MCAIDPRB_A             393  - 393

/* PAY LOCATIONS */
PAYBLL12M_A           394  - 394    PAYNOBLLNW_A       395  - 395
PAYWORRY_A              396  - 396

/* CVD LOCATIONS */
CVDDIAG_A              397  - 397    COVIDTEST_A         398  - 398
CVDRSLT_A              399  - 399    CVDSEV_A           400  - 400

/* TSC LOCATIONS */
CVDSYMSM_A             401  - 401    CVDSMREC_A          402  - 402

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CVDSYMTST_A	403 - 403	CVDTSTREC_A	404 - 404
<i>/* UTZ LOCATIONS */</i>			
LASTDR_A	405 - 405	WELLNESS_A	406 - 406
WELLVIS_A	407 - 407	USUALPL_A	408 - 408
USPLKIND_A	409 - 409	URGNT12MTC_A	410 - 410
EMERG12MTC_A	411 - 411	HOSPONGT_A	412 - 412
MEDDL12M_A	413 - 413	MEDNG12M_A	414 - 414
<i>/* ACC LOCATIONS */</i>			
DLYCARE_A	415 - 415	DNGCARE_A	416 - 416
VIRAPP12M_A	417 - 417	VIRAPPCVD_A	418 - 418
<i>/* CNV LOCATIONS */</i>			
CANCOVTREA_A	419 - 419	CANCOVCHG_A	420 - 420
CANCOVOTH_A	421 - 421	CANCOVCARE_A	422 - 422
<i>/* PMD LOCATIONS */</i>			
RX12M_A	423 - 423	RXSK12M_A	424 - 424
RXLS12M_A	425 - 425	RXDL12M_A	426 - 426
RXDG12M_A	427 - 427		
<i>/* PRV LOCATIONS */</i>			
BPLAST_A	428 - 428	CHOLLAST_A	429 - 429
DIBLAST1_A	430 - 430	DIBA1CLAST_A	431 - 431
DIBA1CNMT_A	432 - 432	COLORECTEV_A	433 - 433
COLRECTYP_A	434 - 434	COLWHEN_A	435 - 435
COLREASON_A	436 - 436	COLPAY_A	437 - 437
COLSIGWHEN_A	438 - 438	SIGWHEN_A	439 - 439
CTCOLEV1_A	440 - 440	CTCOLWHEN1_A	441 - 441
FITHEV1_A	442 - 442	FITHWHEN1_A	443 - 443
COLOGUARD1_A	444 - 444	FITCOLG1_A	445 - 445
CGUARDWHE1_A	446 - 446	COLPROB1_A	447 - 447
COLTEST1_A	448 - 448	COLTEST2_A	449 - 449
COLTEST3_A	450 - 450	COLTEST4_A	451 - 451
COLTEST5_A	452 - 452	COLTEST6_A	453 - 453
PSATEST_A	454 - 454	PSAWHEN_A	455 - 455
PSAREASON_A	456 - 456	PSASUGGEST_A	457 - 457
CERVICEV1_A	458 - 458	CERVICWHEN_A	459 - 459
CERREASON1_A	460 - 460	PAPTEST_A	461 - 461
HPVTEST_A	462 - 462	TELLCERVIC_A	463 - 463
CERVICRES_A	464 - 464	CERVICNOT1_A	465 - 466
HYSTEV1_A	467 - 467	MAMEV_A	468 - 468
MAMWHEN_A	469 - 469	MAMPAY_A	470 - 470
MAMREASON_A	471 - 471	MAMAGE1ST1_A	472 - 472
MAMNOT1_A	473 - 474		
<i>/* IMS LOCATIONS */</i>			
PREGFLUYR_A	475 - 475	LIVEBIRTH_A	476 - 476
SHTFLU12M_A	477 - 477	SHTFLUM_A	478 - 479
SHTFLUY_A	480 - 483	FLUPREG_A	484 - 484
FLUPREG2_A	485 - 485	SHTCVD19_A	486 - 486
SHTCVD19NM_A	487 - 487	CVDVAC1MR_A	488 - 489
CVDVAC1YR_A	490 - 493	CVDVAC2MR_A	494 - 495
CVDVAC2YR_A	496 - 499	SHTCVD19AV_A	500 - 500
SHTPNUEV_A	501 - 501	SHTPNEUNB_A	502 - 502
SHTSHINGLE_A	503 - 503	ZOSTAVAX1_A	504 - 504
ZOSTAVXYRP_A	505 - 508	ZOSTAWHEN_A	509 - 509
SHINGRIX1_A	510 - 510	SHINGRIXNB_A	511 - 511
SHINGRXYRP_A	512 - 515	SHINGWHEN_A	516 - 516
TDAFPREG_A	517 - 517	SHTHEPB_A	518 - 518
SHTHEPA_A	519 - 519	LIVEHEP_A	520 - 520
WORKHEALTH_A	521 - 521	WRKHLTHFC_A	522 - 522
TRAVEL_A	523 - 523		
<i>/* CGR LOCATIONS */</i>			
HOMEHC12M_A	524 - 524	HOMECAREDG_A	525 - 525
FAMCARE12M_A	526 - 526	FAMCAREDNG_A	527 - 527
FAMCARECVD_A	528 - 528		
<i>/* ANX LOCATIONS */</i>			
ANXFREQ_A	529 - 529	ANXMED_A	530 - 530
ANXLEVEL_A	531 - 531		

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/* DEP LOCATIONS */
DEPFREQ_A          532 - 532      DEPMED_A           533 - 533
DEPLEVEL_A         534 - 534

/* MHC LOCATIONS */
MHRX_A             535 - 535      MHTHRPY_A         536 - 536
MHTPYNOW_A         537 - 537      MHTHDLY_A         538 - 538
MHTHND_A           539 - 539

/* SPD LOCATIONS */
SAD_A               540 - 540      NERVOUS_A         541 - 541
RESTLESS_A          542 - 542      HOPELESS_A        543 - 543
EFFORT_A            544 - 544      WORTHLESS_A       545 - 545
K6SPD_A             546 - 546

/* PAI LOCATIONS */
PAIFRQ3M_A          547 - 547      PAIAMNT_A         548 - 548
PAIWKLM3M_A         549 - 549      PAIAFFM3M_A       550 - 550
PAIBACK3M_A          551 - 551      PAIULMB3M_A       552 - 552
PAILLMB3M_A          553 - 553      PAIHDFC3M_A       554 - 554
PAIAPG3M_A           555 - 555      PAITOOTH3M_A      556 - 556

/* REP LOCATIONS */
REPSTRAIN_A          557 - 557      REPLIMIT_A        558 - 558
REPSAWDOC_A          559 - 559      REPWRKDYTC_A     560 - 561
REPFTUTWRK_A         562 - 562      REPTSTOPCHG_A    563 - 563
REPREDUCE_A          564 - 564      REPWRKCAUS_A     565 - 565

/* INJ LOCATIONS */
ANYINJURY_A          566 - 566      INJLIMIT_A        567 - 567
NUMINJTC_A            568 - 569      INJHOME_A         570 - 570
INJWORK_A             571 - 571      INJSPORTS_A       572 - 572
INJFALL_A              573 - 573      INJFALLHOM_A     574 - 574
INJFALLWRK_A          575 - 575      INJMOTOR_A        576 - 576
INJMVTTYPE1_A          577 - 577      INJMVTTYPE2_A     578 - 578
INJMVTTYPE3_A          579 - 579      INJMVTTYPE4_A     580 - 580
INJMVTTYPE5_A          581 - 581      INJCHORES_A       582 - 582
INJSAWDOC_A            583 - 583      INJER_A            584 - 584
INJHOSP_A              585 - 585      INJBONES_A         586 - 586
INJSTITCH_A             587 - 587      INJWRKDYTC_A     588 - 589
INJFUTWRK_A             590 - 590      INJSTOPCHG_A      591 - 591
INJREDUCE_A             592 - 592

/* TSM LOCATIONS */
SMELLDFA_A            593 - 593      SMELLCOMP_A       594 - 594
SMELLPH_A              595 - 595      TASTEDF_A          596 - 596
TASTECOMP_A             597 - 597      TASTEFLAV_A        598 - 598
TASTEUNW_A              599 - 599      TSTSMPA_H          600 - 600
TSTSMLAST_A             601 - 601

/* CIG LOCATIONS */
SMKEV_A                602 - 602      SMKNOW_A           603 - 603
SMKCIGST_A              604 - 604      CIGNOW_A           605 - 606
SMK30D_A                607 - 608      CIG30D_A            609 - 610
ECIGEV_A                611 - 611      ECIGNOW_A          612 - 612
SMKECIGST_A              613 - 613

/* OTB LOCATIONS */
CIGAREV_A              614 - 614      CIGARCUR_A         615 - 615
CIGAR30D_A              616 - 617      PIPEEV_A            618 - 618
PIPECUR_A                619 - 619      SMOKEELSEV_A       620 - 620
SMOKELSCUR_A             621 - 621

/* SOS LOCATIONS */
SUPPORT_A                622 - 622      CMPSSUPPORT_A      623 - 623

/* ORN LOCATIONS */
ORIENT_A                 624 - 624

/* MAR LOCATIONS */
MARITAL_A                625 - 625      SPOUSLIV_A          626 - 626
SPOUSEP_A                 627 - 627      EVRMARRIED_A       628 - 628
MARSTAT_A                  629 - 629      LEGMSTAT_A          630 - 630

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SPOUSESEX_A	631 - 631	SASPPRACE_A	632 - 632
SASPPHISP_A	633 - 633	SPOUSAGETC_A	634 - 635
SPOUSEDUCP_A	636 - 637	SPOUSWRK_A	638 - 638
SPOUSWKF1_A	639 - 639	PRTNRSEX_A	640 - 640
PRTNRAGETC_A	641 - 642	PRTNRREDUCP_A	643 - 644
PRTNRWK_A	645 - 645	PRTNRWKFT_A	646 - 646
SAPARENTSC_A	647 - 647	PARSTAT_A	648 - 648
 /* VET LOCATIONS */			
AFVET_A	649 - 649	AFVETTRN_A	650 - 650
COMBAT_A	651 - 651	VADISB_A	652 - 652
VAHOSP_A	653 - 653	VACAREEV_A	654 - 654
 /* NAT LOCATIONS */			
NATUSBORN_A	655 - 655	YRSINUS_A	656 - 656
CITZNSTP_A	657 - 657		
 /* SCH LOCATIONS */			
SCHCURENR_A	658 - 658	SCHDYMSSTC_A	659 - 660
 /* EMP LOCATIONS */			
EMPRKLSWI_A	661 - 661	EMPWHNOT_A	662 - 663
EMPLSTWOR1_A	664 - 664	EMPKHRS3_A	665 - 666
EMPRWKFT1_A	667 - 667	EMPSICKLV_A	668 - 668
EMPHEALINS_A	669 - 669	EMPDYSMSS3_A	670 - 672
 /* EMD LOCATIONS */			
EMDINDSTN1_A	673 - 674	EMDINDSTN2_A	675 - 676
EMDOCCUPN1_A	677 - 678	EMDOCCUPN2_A	679 - 680
EMDSUPER_A	681 - 681	EMDWRKCAT1_A	682 - 682
 /* JOB LOCATIONS */			
JOBTAX_A	683 - 683	JOBCHGEARN_A	684 - 684
JOBSHIFT_A	685 - 685	JOBCHGSCH_A	686 - 686
JOBVARYSCH_A	687 - 687	JOBADVSCH_A	688 - 688
JOBLKYLOSS_A	689 - 689	JOBWRKSICK_A	690 - 691
JOBMISS_A	692 - 693		
 /* SDW LOCATIONS */			
CURJOBSD1_A	694 - 694	WRKCLSSD1_A	695 - 695
WRKCLSNSD1_A	696 - 696	WRKCLSOFT1_A	697 - 697
SDMSRS1_A	698 - 698	SDMSRSOFT1_A	699 - 699
RECJOBSD1_A	700 - 700	JOBANYSID1_A	701 - 701
RJCLSSD1_A	702 - 702	CLSWRKSD1_A	703 - 703
RJCLSNOSD1_A	704 - 704	RJCLSOFT1_A	705 - 705
CLSWRKNSD1_A	706 - 706		
 /* FEM LOCATIONS */			
PCNTADTWKP_A	707 - 707	PCNTADTWFP_A	708 - 708
 /* INC LOCATIONS */			
INCWRKO_A	709 - 709	INCINTER_A	710 - 710
INCSSRR_A	711 - 711	INCSSISSDI_A	712 - 712
SSISSDIBTH_A	713 - 713	SSISSDIDS_B_A	714 - 714
INCWELF_A	715 - 715	INCRETIRE_A	716 - 716
INCOTHR_A	717 - 717	IMPNUM_A	718 - 719
POVRATTC_A	720 - 724	RATCAT_A	725 - 726
IMPINCFLG_A	\$ 727 - 727		
 /* FOO LOCATIONS */			
FSNAP12M_A	728 - 728	FSNAP30D_A	729 - 729
FWIC12M_A	730 - 730	FLUNCH12M_A	731 - 731
 /* FDS LOCATIONS */			
FDSRUNOUT_A	732 - 732	FDSLST_A	733 - 733
FDSBALANCE_A	734 - 734	FDSSKIP_A	735 - 735
FDSSKIPDYS_A	736 - 737	FDSLESS_A	738 - 738
FDSHUNGRY_A	739 - 739	FDSWEIGHT_A	740 - 740
FDSNOTEAT_A	741 - 741	FDSNEDAYS_A	742 - 743
FDSCAT3_A	744 - 744	FDSCAT4_A	745 - 745

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/* HOU LOCATIONS */
HOUYRSLIV_A      746 - 746      HOUTENURE_A      747 - 747
HOUGVASST_A      748 - 748

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/* set variable labels */
label
  /* IDN  LABELS */
RECTYPE           = "Record type"
SRVY_YR            = "Year of the National Health Interview Survey"
HHX                = "Randomly assigned household number unique to a household"
WTFA_A             = "Weight - Final Annual"

  /* UCF  LABELS */
URBRRL             = "2013 NCHS Urban-Rural Classification Scheme for Counties"
REGION              = "Household region"
PSTRAT              = "Pseudo-stratum for public-use file variance estimation"
PPSU                = "Pseudo-PSU for public-use file variance estimation"

  /* FLG  LABELS */
HHRESPSA_FLG       = "Sample Adult is the household respondent or the proxy who lives in the household"

  /* GEN  LABELS */
INTV_QRT            = "Interview quarter"
INTV_MON             = "Interview month"
HHSTAT_A             = "Indicates person is the Sample Adult"
ASTATNEW             = "Recoded ASTAT"
AVAIL_A              = "Sample Adult Available"
PROXY_A              = "Proxy Available"
PROXYREL_A           = "Proxy's Relationship to Sample Adult"

  /* HHC  LABELS */
AGEP_A               = "Age of SA (top coded)"
AGE65                = "Age 65 or older"
SEX_A                 = "Sex of Sample Adult"
EDUCP_A              = "Educational level of sample adult"
AFNOW                = "Full-time active duty screener"
HISP_A                = "Recode: Hispanic ethnicity of SA"
HISPALLP_A            = "Single and multiple race groups with Hispanic origin"
HISDETP_A             = "Hispanic origin detail"
RACEALLP_A            = "Single and multiple race groups"
PCNT18UPTC             = "Top-coded count of persons 18 or older in the household"
PCNLT18TC             = "Top-coded count of persons under 18 in the household"

  /* FAM  LABELS */
PCNTADLT_A            = "Number of adults in Sample Adult family, top-coded 3+"
PCNTKIDS_A             = "Number of children in Sample Adult family, top-coded 3+"
OVER65FLG_A             = "Indicator for at least 1 person aged 65+ in SA family"
MLTFAMFLG_A             = "Indicator for multifamily households"
MAXEDUCP_A              = "Highest level of education of all the adults in the SA's family"

  /* HIS  LABELS */
PHSTAT_A              = "General health status"

  /* LS3  LABELS */
LSATIS11R_A             = "Life satisfaction - 11 category question"
LSATIS4R_A              = "Life satisfaction - 4 category question"
LSROTRATE_FLG           = "Life Satisfaction section rotation flag"

  /* HYP  LABELS */
HYPEV_A                = "Ever been told you had hypertension"
HYDIF_A                 = "Told had hypertension on two or more visits"
HYP12M_A                = "Hypertension, past 12 months"
HYPMED_A                = "Now taking high blood pressure medication"

  /* CHL  LABELS */
CHLEV_A                = "Ever told you had high cholesterol"
CHL12M_A                = "High cholesterol, past 12 months"
CHLMED_A                = "Now taking cholesterol medication"

  /* CVC  LABELS */
CHDEV_A                = "Ever been told you had coronary heart disease"
ANGEV_A                 = "Ever been told you had angina"
MIEV_A                  = "Ever been told you had a heart attack"
STREV_A                  = "Ever been told you had a stroke"

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/* ASP LABELS */
ASPMEDDEV_A          = "Told to take low-dose aspirin"
ASPMEDKNOWN_A         = "Now following aspirin advice"
ASPMEDSTP_A           = "Advise to stop taking aspirin"
ASPOKNOWN_A           = "Taking low dose-aspirin on own"

/* AST LABELS */
ASEV_A                = "Ever had asthma"
ASTILL_A              = "Still have asthma"
ASAT12M_A              = "Asthma episode"
ASER12M_A              = "Asthma ER visit"

/* CAN LABELS */
CANEV_A               = "Ever been told you had cancer"
BLADDACAN_A            = "Bladder cancer mentioned"
BLADDAGETC_A           = "Age when first told had bladder cancer"
BLOODCAN_A             = "Blood cancer mentioned"
BLOODAGETC_A           = "Age when first told had blood cancer"
BONECAN_A              = "Bone cancer mentioned"
BONEAGETC_A             = "Age when first told had bone cancer"
BRAINCAN_A              = "Brain cancer mentioned"
BRAINAGETC_A             = "Age when first told had brain cancer"
BREASCAN_A              = "Breast cancer mentioned"
BREASAGETC_A             = "Age when first told had breast cancer"
CERVICAN_A              = "Cervical cancer mentioned"
CERVIAGETC_A             = "Age when first told had cervical cancer"
COLONCAN_A              = "Colon cancer mentioned"
COLONAGETC_A             = "Age when first told had colon cancer"
ESOPHCAN_A              = "Esophageal cancer mentioned"
ESOPHAGETC_A             = "Age when first told had esophageal cancer"
GALLBCAN_A              = "Gallbladder cancer mentioned"
GALLBAGETC_A             = "Age when first told had gallbladder cancer"
LARYNCAN_A              = "Larynx-trachea cancer mentioned"
LARYNAGETC_A             = "Age when first told had larynx-trachea cancer"
LEUKECAN_A              = "Leukemia mentioned"
LEUKEAGETC_A             = "Age when first told had leukemia"
LIVERCAN_A              = "Liver cancer mentioned"
LIVERAGETC_A             = "Age when first told had liver cancer"
LUNGCAN_A              = "Lung cancer mentioned"
LUNGAGETC_A             = "Age when first told had lung cancer"
LYMPHCAN_A              = "Lymphoma cancer mentioned"
LYMPHAGETC_A             = "Age when first told had lymphoma"
MELANCAN_A              = "Melanoma cancer mentioned"
MELANAGETC_A             = "Age when first told had melanoma cancer"
MOUTHCAN_A              = "Mouth, tongue or lip cancer mentioned"
MOUTHAGETC_A             = "Age when first told had mouth, tongue or lip cancer"
OVARYCAN_A              = "Ovarian cancer mentioned"
OVARYAGETC_A             = "Age when first told had ovarian cancer"
PANCRCAN_A              = "Pancreatic cancer mentioned"
PANCRAGETC_A             = "Age when first told had pancreatic cancer"
PROSTCAN_A              = "Prostate cancer mentioned"
PROSTAGETC_A             = "Age when first told had prostate cancer"
RECTUCAN_A              = "Rectal cancer mentioned"
RECTUAGETC_A             = "Age when first told had rectal cancer"
SKNM CAN_A              = "Skin melanoma cancer mentioned"
SKNMAGETC_A             = "Age when first told had skin melanoma cancer"
SKNNMCAN_A              = "Skin non-melanoma cancer mentioned"
SKNNMAGETC_A             = "Age when first told had skin non-melanoma cancer"
SKNDKCAN_A              = "Skin cancer (don't know what kind) mentioned"
SKNDKAGETC_A             = "Age when first told had skin cancer (don't know what kind)"
STOMACAN_A              = "Stomach cancer mentioned"
STOMAAGETC_A             = "Age when first told had stomach cancer"
THROACAN_A              = "Throat - pharynx cancer mentioned"
THROAAGETC_A             = "Age when first told had throat-pharynx cancer"
THYROCAN_A              = "Thyroid cancer mentioned"
THYROAGETC_A             = "Age when first told had thyroid cancer"
UTERUCAN_A              = "Uterine cancer mentioned"
UTERUAGETC_A             = "Age when first told had uterine cancer"
HDNCKCAN_A              = "Head and neck cancers mentioned"
HDNCKAGETC_A             = "Age when first told had head or neck cancer"
COLRCCAN_A              = "Colorectal cancer mentioned"
COLRCAGETC_A             = "Age when first told had colon or rectal cancer"
OTHERCANP_A              = "Other cancer mentioned"
OTHERAGETC_A             = "Age when first told had other cancer"
NUMCAN_A                = "Number of reported types of cancers"

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/* DIB  LABELS */
PREDIB_A          = "Ever had prediabetes"
GESDIB_A          = "Gestational diabetes"
DIBEV_A           = "Ever had diabetes"
DIBAGETC_A         = "Age first diagnosed w/diabetes"
DIFYRSTC1_A        = "Years since first diagnosed w/diabetes"
DIBPILL_A          = "Taking diabetic pills"
DIBINS_A           = "Taking insulin"
DIBINSTIME_A       = "Time from diabetes to insulin"
DIBINSTOP_A        = "Ever stop using insulin"
DIBNSSTYR_A         = "Only stop insulin in first year"
INSSKIP12M_A        = "Skipped insulin, past 12m"
INSLLESS12M_A       = "Took less insulin, past 12m"
INSDLY12M_A         = "Delayed buying insulin, past 12m"
DIBTYPE_A          = "Diabetes type"
DIBSTRESS_A         = "Overwhelmed by diabetes"
DIBCSTRESS_A        = "Change in diabetes distress"

/* CON  LABELS */
COPDEV_A          = "Ever been told you had COPD, emphysema, or chronic bronchitis?"
ARTHEV_A          = "Ever had arthritis"
DEMENEV_A          = "Ever had dementia"
ANXEV_A            = "Ever had anxiety disorder"
DEPEV_A            = "Ever had depression"

/* RCN  LABELS */
KIDWEAKEV_A        = "Ever had weak/failing kidneys"
HEPEV_A            = "Ever had hepatitis"
LIVEREV_A          = "Ever had cirrhosis/liver condition"
CFSEV_A            = "Ever had Chronic Fatigue Syndrome"
CFSNOW_A           = "Still have Chronic Fatigue Syndrome"
COLDFLU12M_A        = "Cold or flu 12m"
DRYMTTH12M_A        = "Dry mouth 12m"

/* ISN  LABELS */
MEDRXTRT_A          = "Weakened immune system due to prescriptions"
HLTHCOND_A          = "Weakened immune system due to health condition"

/* EPI  LABELS */
EPIEV_A            = "Ever had epilepsy"
EPIMED_A            = "Take medication for epilepsy"
EPINUMSEZP_A         = "How many seizures past 12 months"
EPIDR_A             = "See a doctor for epilepsy"

/* ALG  LABELS */
CURRESP_A          = "Current respiratory allergy"
DXRESP_A            = "Respiratory allergy diagnosis"
CURFOOD_A           = "Current food allergy"
DXFOOD_A            = "Food allergy diagnosis"
CURSKIN_A           = "Current skin allergy"
DXSKIN_A            = "Skin allergy diagnosis"

/* BMI  LABELS */
PREGNOW_A           = "Pregnant now"
HEIGHTTC_A          = "Height without shoes (inches), public use"
WEIGHTLBTC_A         = "Weight without shoes (pounds), public use"
BMICAT_A            = "Categorical Body Mass Index, public use"

/* VIS  LABELS */
WEARGLSS_A          = "Wear glasses/contact lenses"
VISIONDF_A          = "Difficulty seeing"

/* HEA  LABELS */
HEARAID_A           = "Use hearing aid"
HEARAIDFR_A         = "How often use hearing aid"
HEARINGDF_A          = "Difficulty hearing"
HEARQTRM_A           = "Hearing conversation in quiet room"
HEARNYRM_A            = "Hearing conversation in noisy room"

/* MOB  LABELS */
DIFF_A               = "Difficulty walking/steps"
EQUIP_A              = "Use equipment to get around"
WLK100_A              = "Difficulty walking 100 yards"
WLK13M_A              = "Difficulty walking 1/3 mile"
STEPS_A               = "Difficulty walking steps"
CANEWLKR_A            = "Use cane or walker"
WCHAIR_A              = "Use wheelchair/scooter"

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PERASST_A          = "Use someone's assistance"
NOEQWLK100_A      = "Difficulty walking 100 yards without aid"
NOEQWLK13M_A      = "Difficulty walking 1/3 mile without aid"
NOEQSTEPS_A        = "Difficulty walking steps without equipment"
EQWLK100_A         = "Difficulty walking 100 yards with aid"
EQWLK13M_A         = "Difficulty walking 1/3 mile with aid"
EQSTEPS_A          = "Difficulty walking steps with equipment"

/* COM  LABELS */
COMDIFF_A          = "Difficulty communicating"
COMUSESL_A          = "Use sign language"

/* COG  LABELS */
COGMEMDF_A          = "Difficulty remembering/concentrating"
COGTYPEDF_A          = "Remembering/concentrating or both"
COGFRQDF_A          = "Difficulty remembering-how often"
COGAMTDFF_A          = "Difficulty remembering-how much"

/* UPP  LABELS */
UPPSLFCR_A          = "Difficulty with self care"
UPPRAISE_A          = "Difficulty raising soda bottle"
UPPOBJCT_A          = "Difficulty using hands and fingers"
DISAB3_A             = "The Washington Group Short Set Composite Disability Indicator"

/* SOC  LABELS */
SOCERRNDS_A          = "Difficulty doing errands alone"
SOCSCLPAR_A          = "Difficulty participating in social activities"
SOCWRKLIM_A          = "Work limited due to health problem"

/* ADO  LABELS */
DEVDONSET_A          = "Difficulty doing activities before age 22"

/* INS  LABELS */
NOTCOV_A             = "Coverage status as used in Health United States"
COVER_A               = "Health insurance hierarchy under 65"
COVER65_A             = "Health Insurance hierarchy 65+"
SINCOVDE_A            = "Single service plan - dental"
SINCOVVS_A            = "Single service plan - vision"
SINCOVRX_A            = "Single service plan - prescription"
MEDICARE_A            = "Medicare recode"
MCPART_A              = "Type of Medicare coverage"
MCCHOICE_A            = "Enrolled in Medicare Advantage Plan"
MCHMO_A               = "Medicare HMO"
MCADVR_A              = "Medicare Advantage Plan"
MCPARTD_A              = "Medicare Part D"
MEDICAID_A             = "Medicaid recode"
MAXCHNG_A              = "Medicaid through Marketplace"
MAPREM_A              = "Medicaid premium"
MADEDUC_A              = "Medicaid deductible"
MAHDHP_A              = "Medicaid HDHP"
MAFLG_A               = "Medicaid reassignment flag"
PRIVATE_A              = "Private health insurance recode"
EXCHANGE_A             = "Plan through Health Insurance Exchange, NCHS algorithm"
POLHLD1_A              = "Policyholder for private plan 1"
PRPLCOV1_A             = "Plan coverage for others - plan 1"
PRPOLH1_A              = "Relation to policyholder - plan 1"
PRPLCOV1_C_A           = "Response to PRPLCOV1_C or PRPLCOV2_C from child - plan 1"
PLNWRKR1_A             = "How plan was originally obtained - plan 1"
PLNEXCHG1_A             = "Health plan obtained through Marketplace - plan 1"
PLN1PAY1_A              = "Paid for by self or family - plan 1"
PLN1PAY2_A              = "Paid for by employer or union - plan 1"
PLN1PAY3_A              = "Paid for by someone outside the household - plan 1"
PLN1PAY4_A              = "Paid for by Medicare - plan 1"
PLN1PAY5_A              = "Paid for by Medicaid - plan 1"
PLN1PAY6_A              = "Paid for by other government program - plan 1"
HICOSTR1_A              = "Out-of-pocket premium cost - plan 1"
PRDEDUC1_A              = "Deductible - plan 1"
PRHDHP1_A              = "High deductible health plan - plan 1"
HSAHRA1_A              = "Health Savings Accounts / Health Reimbursement Accounts - plan 1"
PRRXCOV1_A              = "Plan pays for prescription drug - plan 1"
PRDNCOV1_A              = "Plan pays for dental care - plan 1"
PRVSCOV1_A              = "Plan pays for vision care - plan 1"
EXCHPR1_A              = "Exchange company coding NCHS - plan 1"
PRFLG_A                = "Private reassignment flag"
PXCHNG1_A              = "Marketplace or state exchange, reassigned from public to private"
PRPREM1_A              = "Premium on plan reassigned from public to private"
PLEXCHPR1_A             = "Exchange company coding, NCHS, reassigned from public to private"

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POLHLD2_A          = "Policyholder for private plan 2"
PRPLCOV2_A         = "Plan coverage for others - plan 2"
PRPOLH2_A          = "Relation to policyholder - plan 2"
PRPLCOV2_C_A       = "Response to PRPLCOV1_C or PRPLCOV2_C from child - plan 2"
PLNWRKR2_A         = "How plan was originally obtained - plan 2"
PLNEXCHG2_A         = "Health plan obtained through Marketplace - plan 2"
PLN2PAY1_A          = "Paid for by self or family - plan 2"
PLN2PAY2_A          = "Paid for by employer or union - plan 2"
PLN2PAY3_A          = "Paid for by someone outside the household - plan 2"
PLN2PAY4_A          = "Paid for by Medicare - plan 2"
PLN2PAY5_A          = "Paid for by Medicaid - plan 2"
PLN2PAY6_A          = "Paid for by other government program - plan 2"
HICOSTR2_A          = "Out-of-pocket premium cost - plan 2"
PRDEDUC2_A          = "Deductible - plan 2"
PRHDHP2_A           = "High deductible health plan - plan 2"
HSAHRA2_A           = "Health Savings Accounts / Health Reimbursement Accounts - plan 2"
PRRXCOV2_A          = "Plan pays for prescription drug - plan 2"
PRDNCOV2_A          = "Plan pays for dental care - plan 2"
PRVSCOV2_A          = "Plan pays for vision care - plan 2"
EXCHPR2_A           = "Exchange company coding NCHS - plan 2"
CHIP_A               = "Children's Health Insurance Program (CHIP) recode"
CHXCHNG_A           = "CHIP through Marketplace"
CHPREM_A             = "Pay CHIP premium"
CHDEDUC_A            = "CHIP deductible"
CHHDHP_A             = "CHIP HDHP"
CHFLG_A              = "CHIP reassignment flag"
OTHPUB_A             = "State-sponsored health plan recode"
OPXCHNG_A            = "State-sponsored plan through Marketplace"
OPPREM_A              = "Pay premium for state-sponsored plan"
OPDEDUC_A            = "State-sponsored plan deductible"
OPHDHP_A              = "State-sponsored plan HDHP"
PLEXCHOP_A           = "Exchange company coding, NCHS (state-sponsored plan)"
OPFLG_A              = "State-sponsored reassignment flag"
OTHGOV_A              = "Other government program recode"
OGXCHNG_A            = "Other government program through Marketplace"
OPPREM_A              = "Pay premium for other government program"
OGDEDUC_A            = "Other government program deductible"
OGHDHP_A              = "Other government program HDHP"
PLEXCHOG_A           = "Exchange company coding, NCHS (other government program)"
OGLLG_A              = "Other government reassignment flag"
MILITARY_A            = "Military health care coverage recode"
MILSPC1R_A            = "Types of military health care - VA health care"
MILSPC2_A              = "Types of military health care - TRICARE"
MILSPC3_A              = "Types of military health care - CHAMP-VA"
IHS_A                 = "Indian Health Service recode"
HILAST_A              = "How long since last health coverage"
HILASTMY_A             = "Number of months without coverage"
HISTOPJOB_A            = "Lost job or changed employers"
HISTOPMISS_A           = "Missed deadline"
HISTOPAGE_A             = "Ineligible because of age/left school"
HISTOPCOST_A            = "Cost increase"
HISTOPELIG_A             = "Not eligible for Medicaid, CHIP, or other public coverage"
RSNHICOST_A             = "Not affordable"
RSNHIWANT_A             = "Do not need or want coverage"
RSNHIELIG_A             = "Not eligible for coverage"
RSNHICONF_A             = "Signing up too difficult or confusing"
RSNHIMEET_A             = "Cannot find a plan that meets the needs"
RSNHIWAIT_A             = "Coverage has not started yet"
RSNHIOTH_A              = "Another reason"
RSNHIJOB_A              = "Lost job"
RSNHIMISS_A             = "Missed deadline"
HINOTYR_A              = "No health coverage during the past 12 months"
HINOTMYR_A              = "Months without coverage in the past 12 months"
MILSPC1_A               = "Types of military health care - VA health care original response"
HICOV_A                = "Have health insurance"
HIKIND01_A              = "Kind(s) of health insurance - private health insurance"
HIKIND02_A              = "Kind(s) of health insurance - Medicare"
HIKIND03_A              = "Kind(s) of health insurance - Medicare supplement (Medigap)"
HIKIND04_A              = "Kind(s) of health insurance - Medicaid"
HIKIND05_A              = "Kind(s) of health insurance - CHIP"
HIKIND06_A              = "Kind(s) of health insurance - military related health care"
HIKIND07_A              = "Kind(s) of health insurance - Indian Health Service"
HIKIND08_A              = "Kind(s) of health insurance - State-sponsored health plan"
HIKIND09_A              = "Kind(s) of health insurance - Other government program"
HIKIND10_A              = "Kind(s) of health insurance - No coverage of any type"
MCAREPRB_A              = "Medicare coverage probe"
MCAIDPRB_A              = "Medicaid coverage probe"

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/* PAY LABELS */
PAYBLL12M_A = "Problems paying medical bills, past 12m"
PAYNOBLLNW_A = "Unable to pay medical bills"
PAYWORRY_A = "Get sick or have accident, worry about paying medical bills"

/* CVD LABELS */
CVDDIAG_A = "Ever had COVID-19"
COVIDTEST_A = "Ever been tested for COVID-19"
CVRSLT_A = "Tested positive for COVID-19"
CVDSEV_A = "Symptoms of COVID-19"

/* TSC LABELS */
CVDSYMSM_A = "COVID-19 symptom - loss of smell"
CVDSMREC_A = "COVID-19 symptom - smell recovery"
CVDSYMTST_A = "COVID-19 symptom - loss of taste"
CVDTSTREC_A = "COVID-19 symptom - taste recovery"

/* UTZ LABELS */
LASTDR_A = "Time since last saw doctor"
WELLNESS_A = "Was last visit a wellness visit"
WELLVIS_A = "Time since last wellness visit"
USUALPL_A = "Have a usual place to go for care"
USPLKIND_A = "Type of place for usual care"
URGNT12MTC_A = "Number of times visited urgent care, past 12m, top-coded"
EMERG12MTC_A = "Number of times visited hospital emergency room, past 12m, top-coded"
HOSPONGT_A = "Hospitalized overnight, past 12m"
MEDDL12M_A = "Delayed medical care due to cost, past 12m"
MEDNG12M_A = "Needed medical care but did not get it due to cost, past 12m"

/* ACC LABELS */
DLYCARE_A = "Delayed medical care due to COVID-19"
DNGCARE_A = "Did not get medical care due to COVID-19"
VIRAPP12M_A = "Virtual medical appointment, past 12m"
VIRAPPCVD_A = "Virtual medical appointment related to COVID-19"

/* CNV LABELS */
CANCOVTREA_A = "Cancer treatment since the start of the coronavirus pandemic"
CANCOVCHG_A = "Cancer treatment changed, delayed or cancelled due to the coronavirus pandemic"
CANCOVOTH_A = "Other cancer medical care since the start of the coronavirus pandemic"
CANCOVCARE_A = "Other cancer care changed, delayed, or cancelled due to coronavirus pandemic"

/* PMD LABELS */
RX12M_A = "Took prescription medication, past 12m"
RXSK12M_A = "Skipped medication doses to save money, past 12m"
RXLS12M_A = "Took less medication to save money, past 12m"
RXDL12M_A = "Delayed filling prescription to save money, past 12m"
RXDG12M_A = "Needed prescription medication but did not get it due to cost, past 12m"

/* PRV LABELS */
BPLAST_A = "Last time blood pressure checked"
CHOLLAST_A = "Last time cholesterol checked"
DIBLAST1_A = "Last time blood sugar test"
DIBA1CLAST_A = "Last A1C"
DIBA1CNMT_A = "Number of A1Cs - topcoded"
COLORECTEV_A = "Colonoscopy or sigmoidoscopy"
COLORECTYP_A = "Colonoscopy or sigmoidoscopy or both"
COLWHEN_A = "Most recent colonoscopy"
COLREASON_A = "Why did you have a colonoscopy"
COLPAY_A = "Pay for most recent colonoscopy"
COLSIGWHEN_A = "Most recent colonoscopy or sigmoidoscopy"
SIGWHEN_A = "Most recent sigmoidoscopy"
CTCOLEV1_A = "Ever had colonography/virtual colonoscopy"
CTCOLWHEN1_A = "Most recent colonography/virtual colonoscopy"
FITHEV1_A = "Ever had home blood stool test"
FITHWHEN1_A = "Most recent home blood stool test"
COLOGUARD1_A = "Ever had Cologuard"
FITCOLG1_A = "Was blood stool/FIT part of Cologuard test?"
CGUARDWHE1_A = "When was your last Cologuard?"
COLPROB1_A = "Did doctor recommend you be tested to look for problems in colon/rectum"
COLTEST1_A = "Stool blood test/fecal occult blood/FIT test"
COLTEST2_A = "Cologuard or FIT DNA test"
COLTEST3_A = "Sigmoidoscopy"
COLTEST4_A = "Colonoscopy"
COLTEST5_A = "CT colonography/virtual colonoscopy"
COLTEST6_A = "Other test for colon cancer"
PSATEST_A = "Ever had a PSA test"

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PSAWHEN_A          = "When had most recent PSA test"
PSAREASON_A        = "Reason had a PSA test"
PSASUGGEST_A       = "Who suggested PSA test"
CERVICEV1_A         = "Ever had cervical cancer screening test"
CERVICWHEN_A       = "When was most recent cervical cancer test"
CERREASON1_A        = "Reason for cervical cancer screening"
PAPTEST_A           = "PAP test at most recent cervical cancer screening"
HPVTEST_A            = "HPV test at most recent cervical cancer screening"
TELLCERVIC_A        = "Doctor tell type of cervical exam"
CERVICRES_A         = "Abnormal pap in past 5 years"
CERVICNOT1_A        = "Why did not get a PAP/HPV test in past 5 years"
HYSTEV1_A            = "Had hysterectomy"
MAMEV_A              = "Ever had mammogram"
MAMWHEN_A            = "Most recent mammogram"
MAMPAY_A             = "Pay mammogram"
MAMREASON_A          = "Reason for mammogram"
MAMAGE1ST1_A         = "Age of first mammogram"
MAMNOT1_A             = "Reason no mammogram"

/* IMS  LABELS */
PREGFLUYR_A          = "Was SA pregnant last flu season"
LIVEBIRTH_A            = "Any live births"
SHTFLU12M_A            = "Flu vaccine, past 12 months"
SHTFLUM_A              = "Month of last flu vaccine"
SHTFLUY_A              = "Year of last flu vaccine"
FLUPREG_A              = "Was flu shot before or during pregnancy"
FLUPREG2_A             = "Earlier pregnancy and flu vaccine"
SHTCVD19_A              = "COVID-19 vaccination"
SHTCVD19NM_A            = "Number of COVID-19 vaccinations"
CVDVAC1MR_A            = "Month of most recent COVID-19 vaccination"
CVDVAC1YR_A             = "Year of most recent COVID-19 vaccination"
CVDVAC2MR_A            = "Month of next most recent COVID-19 vaccination"
CVDVAC2YR_A             = "Year of next most recent COVID-19 vaccination"
SHTCVD19AV_A            = "Doctor told need another COVID-19 vaccination"
SHTPNUEV_A              = "Ever had pneumonia shot"
SHTPNEUNB_A             = "Number of pneumonia shots"
SHTSHINGLE_A            = "Ever had a shingles vaccination"
ZOSTAVAX1_A              = "Ever had Zostavax"
ZOSTAVXYRP_A            = "When was most recent Zostavax shot"
ZOSTAWHEN_A             = "Was Zostavax before 2018"
SHINGRIX1_A              = "Ever had Shingrix vaccination"
SHINGRIXNB_A             = "How many Shingrix shots"
SHINGRXYRP_A            = "What year did you get your most recent Shingrix shot"
SHINGWHEN_A             = "Was last Shingrix before 2018"
TDAAPPREG_A              = "Have a Tdap booster shot"
SHTHEPB_A                = "Ever receive hepatitis B vaccine"
SHTHEPA_A                = "Ever receive hepatitis A vaccine"
LIVEHEP_A                 = "Live with someone with hepatitis"
WORKHEALTH_A              = "Currently provide medical care to patients"
WRKHLTHFC_A              = "Currently volunteer or work in health care"
TRAVEL_A                  = "Travel to other countries since 1995"

/* CGR  LABELS */
HOMEHC12M_A            = "Received care at home, past 12m"
HOMECAREDG_A             = "Did not get home care due to COVID-19"
FAMCARE12M_A             = "Received home care from friend/family"
FAMCAREDNG_A             = "Did not get family care due to COVID-19"
FAMCARECVD_A             = "Received family care due to COVID-19"

/* ANX  LABELS */
ANXFREQ_A                = "How often feel worried, nervous, or anxious"
ANXMED_A                  = "Take medication for worried/nervous/anxious feelings"
ANXLEVEL_A                 = "Level of feelings when last felt worried/nervous/anxious"

/* DEP  LABELS */
DEPFREQ_A                = "How often depressed"
DEPMED_A                  = "Take medication for depression"
DEPLEVEL_A                 = "Level of how depressed"

/* MHC  LABELS */
MHRX_A                     = "Took medicine for other emotions/concentration/behavior/mental health, past 12m"
MHTHRPy_A                  = "Received counseling/therapy from mental health professional, past 12m"
MHTPYNOW_A                  = "Currently receiving counseling/therapy from mental health professional"
MHTHDLY_A                   = "Delayed counseling/therapy due to cost, past 12m"
MHTHND_A                     = "Needed counseling/therapy but did not get it due to cost, past 12m"

/* SPD  LABELS */

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SAD_A = "How often felt so sad nothing cheers you up, past 30 days"
NERVOUS_A = "How often felt nervous, past 30 days"
RESTLESS_A = "How often felt restless/fidgety, past 30 days"
HOPELESS_A = "How often felt hopeless, past 30 days"
EFFORT_A = "How often felt everything was an effort, past 30 days"
WORTHLESS_A = "How often felt worthless, past 30 days"
K6SPD_A = "Experienced serious psychological distress - K6 scale"

/* PAI LABELS */
PAIFRQ3M_A = "How often had pain"
PAIAMNT_A = "How much pain last time"
PAIWKL3M_A = "How often pain limits life/work"
PAIAFFM3M_A = "How often pain impacts family"
PAIBACK3M_A = "Back pain"
PAIULMB3M_A = "Pain in hands"
PAIILMB3M_A = "Pain in hips"
PAIHDFC3M_A = "Migraine"
PAIAPG3M_A = "Abdominal pain"
PAITOOTH3M_A = "Toothache/jaw pain"

/* REP LABELS */
REPSTRAIN_A = "Repetitive strain injuries in the past 3 months"
REPLIMIT_A = "Limited by repetitive strain injury in the past 3 months"
REPSAWDOC_A = "Saw a doctor about repetitive strain injury"
REPWRKDYTC_A = "Number of workdays missed due to repetitive strain injury in the past 3 months"
REPFLUTWRK_A = "Expected workdays missed due to repetitive strain injury"
REPSTOPCHG_A = "Stopped working or changed job due to repetitive strain injury"
REPREDUCE_A = "Reduced work or changed tasks due to repetitive strain injury"
REPWRKCAUS_A = "Did repetitive strain injury occur while working"

/* INJ LABELS */
ANYINJURY_A = "Any injury in the past 3 months (not including repetitive strain injuries)"
INJLIMIT_A = "Limited by injury in the past 3 months"
NUMINJTC_A = "Number of non-repetitive strain injuries in the past 3 months"
INJHOME_A = "Did injury occur at home"
INJWORK_A = "Did injury occur at work"
INJSPORTS_A = "Did injury occur while playing sports or exercising"
INJFALL_A = "Did injury occur because of a fall"
INJFALLHOM_A = "Did fall occur at home"
INJFALLWRK_A = "Did fall occur at work"
INJMOTOR_A = "Injury caused by a motor vehicle crash or collision"
INJMVTYPE1_A = "Motor vehicle accident - driver"
INJMVTYPE2_A = "Motor vehicle accident - passenger"
INJMVTYPE3_A = "Motor vehicle accident - bicyclist"
INJMVTYPE4_A = "Motor vehicle accident - pedestrian"
INJMVTYPE5_A = "Motor vehicle accident - something else"
INJCHORES_A = "Did injury occur while doing household activities"
INJSAWDOC_A = "Saw a doctor about injury"
INJER_A = "Visited ER for injury"
INJHOSP_A = "Hospitalized for injury"
INJBONES_A = "Did injury cause broken bones"
INJSTITCH_A = "Did injury require stitches or staples"
INJWRKDYTC_A = "Number of workdays missed due to injury in the past 3 months"
INJFLUTWRK_A = "Expected workdays missed due to injury"
INJSTOPCHG_A = "Stopped working or changed jobs due to injury"
INJREDUCE_A = "Reduced work or changed tasks due to injury"

/* TSM LABELS */
SMELLDF_A = "Difficulty smelling"
SMELLCOMP_A = "Smelling compared to past"
SMELLPHT_A = "Smell unpleasant odor"
TASTEDF_A = "Difficulty tasting"
TASTECOMP_A = "Tasting compared to past"
TASTEFLAV_A = "Tasting flavors"
TASTEUNW_A = "Unwanted taste"
TSTSMHP_A = "Ever discuss problem with smell/taste with doctor"
TSTSMLAST_A = "Last time you discuss problem with smell/taste with doctor"

/* CIG LABELS */
SMKEV_A = "Ever smoked 100 cigarettes"
SMKNOW_A = "Now smoke cigarettes"
SMKCIGST_A = "Cigarette smoking status"
CIGNOW_A = "Number of cigarettes a day"
SMK30D_A = "Number of days smoked past month"
CIG30D_A = "Number of cigarettes on days smoked past month"
ECIGEV_A = "Ever used electronic cigarettes"
ECIGNOW_A = "Now use electronic cigarettes"

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SMKECIGST_A          = "Electronic cigarette use status"

/* OTB  LABELS */
CIGAREV_A            = "Ever smoked a cigar"
CIGARCUR_A           = "Now smoke cigars"
CIGAR30D_A           = "How many days smoked a cigar, past 30 days"
PIPEEV_A              = "Ever smoked a pipe filled with tobacco"
PIPECUR_A             = "Now smoked pipe filled with tobacco"
SMOKELSEV_A           = "Ever used smokeless tobacco"
SMOKELSCUR_A          = "Now use smokeless tobacco"

/* SOS  LABELS */
SUPPORT_A             = "How often social/emotional support"
CMPSUPPORT_A          = "Social/emotional support, past 12 months"

/* ORN  LABELS */
ORIENT_A              = "Sexual orientation"

/* MAR  LABELS */
MARITAL_A              = "Sample adult's current marital status"
SPOUSLIV_A             = "Sample adult's spouse lives here"
SPOUSEP_A              = "Sample adult's spouse does not reside here due to legal separation"
EVRMARRIED_A           = "Sample adult has ever been married"
MARSTAT_A              = "Current marital status of sample adult"
LEGSTAT_A              = "Legal marital status of sample adult"
SPOUSESEX_A             = "Sex of sample adult's spouse"
SASPRACE_A             = "Race of sample adult and spouse or partner are the same"
SASPPHISP_A             = "Hispanic ethnicity of sample adult and spouse or partner are the same"
SPOUSAGETC_A            = "Age of sample adult's spouse, top-coded"
SPOUSEDUCP_A            = "Education level of sample adult's spouse"
SPOUSWRK_A              = "Working status of sample adult's spouse"
SPOUSWKFT_A             = "Sample adult's spouse is working full-time"
PRTNRSEX_A              = "Sex of the sample adult's partner"
PRTNRAGETC_A            = "Age of sample adult's partner, top-coded"
PRTNRREDUCP_A            = "Education level of sample adult's partner"
PRTNRWRK_A              = "Working status of sample adult's partner"
PRTNRWKFT_A             = "Sample adult's partner is working full-time"
SAPARENTSC_A             = "Sample adult relationship to sample child"
PARSTAT_A              = "Parental Status of sample adult"

/* VET  LABELS */
AFVET_A                = "Ever serve active duty military"
AFVETTRN_A              = "Reserves or National Guard"
COMBAT_A                = "Ever served abroad during armed conflict"
VADISB_A                = "Have VA disability rating"
VAHOSP_A                = "Receive care at VA facility"
VACAREEV_A              = "Ever use VA health care"

/* NAT  LABELS */
NATUSBORN_A             = "Born in U.S. or U.S. territory"
YRSINUS_A               = "Years that sample adult has been in the United States"
CITZNSTP_A              = "Citizenship status"

/* SCH  LABELS */
SCHCURENR_A             = "Currently in school"
SCHDYMSSTC_A             = "Days missed due to illness/injury, past 12 m"

/* EMP  LABELS */
EMPWRKLSW1_A             = "Worked last week"
EMPHYNOT_A               = "Main reason not working"
EMPLSTWOR1_A              = "Last time worked for pay"
EMPWKHRS3_A              = "Hours worked per week (topcoded for Public Use)"
EMPWRKF1_A                = "Usually work 35+ hours per week"
EMPSICKLV_A               = "Paid sick leave"
EMPHEALINS_A              = "Health insurance offered"
EMPDYSMSS3_A              = "Days missed work, past 12 months (top-coded)"

/* EMD  LABELS */
EMDINDSTN1_A             = "Detailed 2-digit recode for sample adult's industry"
EMDINDSTN2_A              = "Simple 2-digit recode for sample adult's industry"
EMDOCCUPN1_A              = "Detailed 2-digit recode for sample adult's occupation"
EMDOCCUPN2_A              = "Simple 2-digit recode for sample adult's occupation"
EMDSUPER_A                = "Supervise other employees"
EMDWRKCAT1_A              = "Type of main job"

/* JOB  LABELS */
JOBTAX_A                = "Does employer deduct taxes?"

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JOBCHGEARN_A      = "How much do your earnings change monthly"
JOBSHIFT_A        = "Usual hours of main job"
JOBCHGSCH_A       = "How easy to change work schedule"
JOBVARYSCH_A      = "How much does schedule vary"
JOBADVSCH_A       = "Advance notice of work schedule"
JOBLKYLOSS_A      = "Likely job loss"
JOBWRKSICK_A      = "Days worked while sick"
JOBMISS_A         = "Days of work missed while sick"

/* SDW  LABELS */
CURJOBSD1_A       = "Current job - Social distancing at work"
WRKCLSSD1_A       = "Current job - Work close to others with social distancing in effect"
WRKCLNSD1_A       = "Current job - Work close to others when social distancing not in effect"
WRKCLSOFT1_A      = "Current job - How often work close to others"
SDMSRS1_A         = "Current job - Social distancing measures since coronavirus pandemic"
SDMSRSTOFT1_A     = "Current job - Work close to others when social distancing measures in effect"
RECJOBSD1_A       = "Recent job - Social distancing at work"
JOBANYSD1_A       = "Current or recent job - Social distancing at any time"
RJCLSSD1_A         = "Recent job - Work close to others with social distancing in effect"
CLSWRKSD1_A       = "Current or recent job - Work close to others with social distancing in effect"
RJCLSNOSD1_A      = "Recent job - Work close to others when social distancing not in effect"
RJCLSOFT1_A        = "Recent job - How often work close to others"
CLSWRKNSD1_A      = "Current or recent job - Work close to others when no social distancing measures"

/* FEM  LABELS */
PCNTADTWKP_A      = "Number of adults in sample adult's family who are working"
PCNTADTWFP_A      = "Number of adults in sample adult's family who are working full-time"

/* INC  LABELS */
INCRKO_A           = "Income from wages"
INCINTER_A          = "Income from accounts"
INCSSRR_A           = "Income from SS/Railroad Retirement"
INCSSISSDI_A        = "Family income from SSDI"
SSISSDIBTH_A        = "Which family income SSI/SSDI"
SSISSDIDS_B         = "SSI/SSDI due to disability"
INCWELF_A           = "Income from public assistance"
INCRETIRE_A         = "Income from retirement"
INCOTHR_A           = "Income from other sources"
IMPNUM_A            = "Imputation number"
POVRATTC_A          = "SA family poverty ratio (top-coded)"
RATCAT_A             = "Ratio of family income to poverty threshold for SA's family"
IMPINCFLG_A         = "Imputed SA family income imputation flag"

/* FOO  LABELS */
FSNAP12M_A          = "Receive food stamps, past 12m"
FSNAP30D_A          = "Receive food stamps, past 30d"
FWIC12M_A           = "Receive WIC benefits, past 12m"
FLUNCH12M_A          = "Receive free/reduced meals at school"

/* FDS  LABELS */
FDUSRUNOUT_A        = "Worry food would run out"
FDLAST_A             = "Food didn't last"
FDSBALANCE_A         = "Couldn't afford to eat balanced meals"
FDSSKIP_A            = "Cut the size of meals or skip meals"
FDSSKIPDYS_A         = "How many days did you/adults in the family cut the size of meals or skip meals"
FDLESS_A             = "Eat less than should"
FDHUNGRY_A           = "Ever hungry because not enough money for food"
FDWEIGHT_A            = "Lose weight because not enough money for food"
FDNOTEAT_A            = "Not eat for a whole day"
FDSEDAYS_A           = "How many days not eat"
FDSCAT3_A             = "Adult 3 category food security recode"
FDSCAT4_A             = "Adult 4 category food security recode"

/* HOU  LABELS */
HOYRSLIV_A           = "Length of time in house/apartment"
HOUTENURE_A           = "Residence owned/rented"
HOUGVASST_A           = "Paying lower rent"

;

/*
Associate variables with format values.
Put asterisk(*) before word "format"
in the next statement to prevent format
associations being stored with datatset.
*/
format
/* IDN  FORMAT ASSOCIATIONS */

```

RECTYPE	SA054X.	SRVY_YR	SA061X.	
/* UCF FORMAT ASSOCIATIONS */				
URBRLL	SA063X.	REGION	SA055X.	
/* FLG FORMAT ASSOCIATIONS */				
HHRESPSA_FLG	SA067X.			
/* GEN FORMAT ASSOCIATIONS */				
INTV_QRT	SA031X.	INTV_MON	SA030X.	HHSTAT_A
ASTATNEW	SA139X.	AVAIL_A	SA131X.	PROXY_A
PROXYREL_A	SA125X.			
/* HHC FORMAT ASSOCIATIONS */				
AGEP_A	SA003X.	AGE65	SA070X.	SEX_A
EDUCP_A	SA092X.	AFNOW	SA147X.	HISP_A
HISPALLP_A	SA027X.	HISDETP_A	SA026X.	RACEALLP_A
PCNT18UPTC	SA045X.	PCNTLT18TC	SA047X.	
/* FAM FORMAT ASSOCIATIONS */				
PCNTADLT_A	SA046X.	PCNTKIDS_A	SA047X.	OVER65FLG_A
MLTFAMFLG_A	SA039X.	MAXEDUCP_A	SA092X.	
/* HIS FORMAT ASSOCIATIONS */				
PHSTAT_A	SA122X.			
/* LS3 FORMAT ASSOCIATIONS */				
LSATIS11R_A	SA133X.	LSATIS4R_A	SA132X.	LSROTATE_FLG
/* HYP FORMAT ASSOCIATIONS */				
HYPEV_A	SA147X.	HYPDIF_A	SA147X.	HYP12M_A
HYPMED_A	SA147X.			
/* CHL FORMAT ASSOCIATIONS */				
CHLEV_A	SA147X.	CHL12M_A	SA147X.	CHLMED_A
/* CVC FORMAT ASSOCIATIONS */				
CHDEV_A	SA147X.	ANGEV_A	SA147X.	MIEV_A
STREV_A	SA147X.			
/* ASP FORMAT ASSOCIATIONS */				
ASPMEDDEV_A	SA147X.	ASPMEDDOWN_A	SA147X.	ASPMEDSTP_A
ASPODOWN_A	SA147X.			
/* AST FORMAT ASSOCIATIONS */				
ASEV_A	SA147X.	ASTILL_A	SA147X.	ASAT12M_A
ASER12M_A	SA147X.			
/* CAN FORMAT ASSOCIATIONS */				
CANEV_A	SA147X.	BLADDCAN_A	SA038X.	BLADDAGETC_A
BLOODCAN_A	SA038X.	BLOODAGETC_A	SA002X.	BONECAN_A
BONEAGETC_A	SA002X.	BRAINCAN_A	SA038X.	BRAINAGETC_A
BRESCAN_A	SA038X.	BREASAGETC_A	SA005X.	CERVICAN_A
CERVIAGETC_A	SA005X.	COLONCAN_A	SA038X.	COLONAGETC_A
ESOPHCAN_A	SA038X.	ESOPHAGETC_A	SA002X.	GALLBCAN_A
GALLBAGETC_A	SA002X.	LARYNCAN_A	SA038X.	LARYNAGETC_A
LEUKECAN_A	SA038X.	LEUKEAGETC_A	SA002X.	LIVERCAN_A
LIVERAGETC_A	SA002X.	LUNGCAN_A	SA038X.	LUNGAGETC_A
LYMPHCAN_A	SA038X.	LYMPHAGETC_A	SA002X.	MELANCAN_A
MELANAGETC_A	SA002X.	MOUTHCAN_A	SA038X.	MOUTHAGETC_A
OVARYCAN_A	SA038X.	OVARYAGETC_A	SA002X.	PANCRCAN_A
PANCRAGETC_A	SA002X.	PROSTCAN_A	SA038X.	PROSTAGETC_A
RECTUCAN_A	SA038X.	RECTUAGETC_A	SA002X.	SKNMCCAN_A
SKNMAGETC_A	SA005X.	SKNNMCAN_A	SA038X.	SKNNMAGETC_A
SKNDKCAN_A	SA038X.	SKNDKAGETC_A	SA005X.	STOMACAN_A
STOMAAGETC_A	SA002X.	THROACAN_A	SA038X.	THROAAGETC_A
THYROCAN_A	SA038X.	THYROAGETC_A	SA002X.	UTERUCAN_A
UTERUAGETC_A	SA002X.	HDNCKCAN_A	SA038X.	HDNCKAGETC_A
COLRCCAN_A	SA038X.	COLRCAGETC_A	SA002X.	OTHERCANP_A
OTHERAGETC_A	SA005X.	NUMCAN_A	SA118X.	
/* DIB FORMAT ASSOCIATIONS */				
PREDIB_A	SA147X.	GESDIB_A	SA147X.	DIBEV_A
DIBAGETC_A	SA002X.	DIFYRSTC1_A	SA015X.	DIBPILL_A
DIBINS_A	SA147X.	DIBINSTIME_A	SA087X.	DIBINSSTOP_A
DIBINSSTYR_A	SA147X.	INSSKIP12M_A	SA147X.	INSLESS12M_A
INSDLY12M_A	SA147X.	DIBTYPE_A	SA088X.	DIBSTRESS_A

DIBCSTRESS_A	SA120X.				
<i>/* CON FORMAT ASSOCIATIONS */</i>					
COPDEV_A	SA147X.	ARTHEV_A	SA147X.	DEMENEV_A	SA147X.
ANXEV_A	SA147X.	DEPEV_A	SA147X.		
<i>/* RCN FORMAT ASSOCIATIONS */</i>					
KIDWEAKEV_A	SA147X.	HEPEV_A	SA147X.	LIVEREV_A	SA147X.
CFSEV_A	SA147X.	CFSNOW_A	SA147X.	COLDFLU12M_A	SA147X.
DRYRTH12M_A	SA147X.				
<i>/* ISN FORMAT ASSOCIATIONS */</i>					
MEDRXTRT_A	SA147X.	HLTHCOND_A	SA147X.		
<i>/* EPI FORMAT ASSOCIATIONS */</i>					
EPIEV_A	SA147X.	EPIMED_A	SA147X.	EPINUMSEZP_A	SA096X.
EPIDR_A	SA147X.				
<i>/* ALG FORMAT ASSOCIATIONS */</i>					
CURRESP_A	SA147X.	DXRESP_A	SA147X.	CURFOOD_A	SA147X.
DXFOOD_A	SA147X.	CURSKIN_A	SA147X.	DXSKIN_A	SA147X.
<i>/* BMI FORMAT ASSOCIATIONS */</i>					
PREGNOW_A	SA147X.	HEIGHTTC_A	SA006X.	WEIGHTLBTC_A	SA033X.
BMICAT_A	SA007X.				
<i>/* VIS FORMAT ASSOCIATIONS */</i>					
WEARGLSS_A	SA147X.	VISIONDF_A	SA089X.		
<i>/* HEA FORMAT ASSOCIATIONS */</i>					
HEARAID_A	SA147X.	HEARAIDFR_A	SA100X.	HEARINGDF_A	SA089X.
HEARQTRM_A	SA089X.	HEARNYRM_A	SA089X.		
<i>/* MOB FORMAT ASSOCIATIONS */</i>					
DIFF_A	SA089X.	EQUIP_A	SA147X.	WLK100_A	SA089X.
WLK13M_A	SA089X.	STEPS_A	SA089X.	CANEWLKR_A	SA147X.
WCHAIR_A	SA147X.	PERASST_A	SA147X.	NOEQWLK100_A	SA089X.
NOEQWLK13M_A	SA089X.	NOEQSTEPS_A	SA089X.	EQWLK100_A	SA089X.
EQWLK13M_A	SA089X.	EQSTEPS_A	SA089X.		
<i>/* COM FORMAT ASSOCIATIONS */</i>					
COMDIFF_A	SA089X.	COMUSES_L_A	SA147X.		
<i>/* COG FORMAT ASSOCIATIONS */</i>					
COGMEMDF_A	SA089X.	COGTYPEDFF_A	SA077X.	COGFRQDF_A	SA076X.
COGAMTDFF_A	SA075X.				
<i>/* UPP FORMAT ASSOCIATIONS */</i>					
UPPSLFCR_A	SA089X.	UPPRAISE_A	SA089X.	UPPOBJCT_A	SA089X.
DISAB3_A	SA065X.				
<i>/* SOC FORMAT ASSOCIATIONS */</i>					
SOCERRNDS_A	SA089X.	SOCSCPRL_A	SA089X.	SOCWRKLIM_A	SA147X.
<i>/* ADO FORMAT ASSOCIATIONS */</i>					
DEVDONSET_A	SA147X.				
<i>/* INS FORMAT ASSOCIATIONS */</i>					
NOTCOV_A	SA041X.	COVER_A	SA010X.	COVER65_A	SA011X.
SINCOVDE_A	SA147X.	SINCOVVS_A	SA147X.	SINCOVRX_A	SA147X.
MEDICARE_A	SA029X.	MCPART_A	SA113X.	MCCHOICE_A	SA147X.
MCHMO_A	SA147X.	MCADVR_A	SA037X.	MCPARTD_A	SA147X.
MEDICAID_A	SA029X.	MAXCHNG_A	SA147X.	MAPREM_A	SA147X.
MADEDUC_A	SA147X.	MAHDHP_A	SA051X.	MAFLG_A	SA035X.
PRIVATE_A	SA029X.	EXCHANGE_A	SA020X.	POLHLD1_A	SA147X.
PRPLCOV1_A	SA147X.	PRPOLH1_A	SA126X.	PRPLCOV1_C_A	SA147X.
PLNWRKR1_A	SA048X.	PLNEXCHG1_A	SA147X.	PLN1PAY1_A	SA114X.
PLN1PAY2_A	SA114X.	PLN1PAY3_A	SA114X.	PLN1PAY4_A	SA114X.
PLN1PAY5_A	SA114X.	PLN1PAY6_A	SA114X.	HICOSTR1_A	SA025X.
PRDEDUC1_A	SA147X.	PRRHDHP1_A	SA124X.	HSAHRA1_A	SA147X.
PRRXCOV1_A	SA147X.	PRDNCOV1_A	SA147X.	PRVSCOV1_A	SA147X.
EXCHPR1_A	SA021X.	PRFLG_A	SA050X.	PXCHNG1_A	SA147X.
PRPREM1_A	SA147X.	PLEXCHPR1_A	SA021X.	POLHLD2_A	SA147X.
PRPLCOV2_A	SA147X.	PRPOLH2_A	SA126X.	PRPLCOV2_C_A	SA147X.
PLNWRKR2_A	SA048X.	PLNEXCHG2_A	SA147X.	PLN2PAY1_A	SA114X.
PLN2PAY2_A	SA114X.	PLN2PAY3_A	SA114X.	PLN2PAY4_A	SA114X.
PLN2PAY5_A	SA114X.	PLN2PAY6_A	SA114X.	HICOSTR2_A	SA025X.

PRDEDUC2_A	SA147X.	PRHDHP2_A	SA124X.	HSAHRA2_A	SA147X.
PRRXCOV2_A	SA147X.	PRDNCOV2_A	SA147X.	PRVSCOV2_A	SA147X.
EXCHPR2_A	SA021X.	CHIP_A	SA029X.	CHXCHNG_A	SA147X.
CHPREM_A	SA147X.	CHDEDUC_A	SA147X.	CHHDHP_A	SA051X.
CHFLG_A	SA008X.	OTHPUB_A	SA029X.	OPXCHNG_A	SA147X.
OPPREM_A	SA147X.	OPDEDUC_A	SA147X.	OPHDHP_A	SA051X.
PLEXCHOP_A	SA021X.	OPFLG_A	SA043X.	OTHGOV_A	SA029X.
OGXCHNG_A	SA147X.	OGPREM_A	SA147X.	OGDEDUC_A	SA147X.
OGHDHP_A	SA051X.	PLEXCHOG_A	SA021X.	OGFLG_A	SA042X.
MILITARY_A	SA029X.	MILSPC1R_A	SA114X.	MILSPC2_A	SA114X.
MILSPC3_A	SA114X.	IHS_A	SA147X.	HILAST_A	SA142X.
HILASTMY_A	SA116X.	HISTOPJOB_A	SA147X.	HISTOPMISS_A	SA147X.
HISTOPAGE_A	SA147X.	HISTOPCOST_A	SA147X.	HISTOPELIG_A	SA147X.
RSNHICOST_A	SA147X.	RSNHIWANT_A	SA147X.	RSNHIELIG_A	SA147X.
RSNHICONF_A	SA147X.	RSNHIMEET_A	SA147X.	RSNHIWAIT_A	SA147X.
RSNHIOTH_A	SA147X.	RSNHIJOB_A	SA147X.	RSNHIIMISS_A	SA147X.
HINOTYR_A	SA147X.	HINOTMYR_A	SA116X.	MILSPC1_A	SA114X.
HICOV_A	SA147X.	HIKIND01_A	SA114X.	HIKIND02_A	SA114X.
HIKIND03_A	SA114X.	HIKIND04_A	SA114X.	HIKIND05_A	SA114X.
HIKIND06_A	SA114X.	HIKIND07_A	SA114X.	HIKIND08_A	SA114X.
HIKIND09_A	SA114X.	HIKIND10_A	SA114X.	MCAREPRB_A	SA147X.
MCAIDPRB_A	SA147X.				
 /* PAY FORMAT ASSOCIATIONS */					
PAYBLL12M_A	SA147X.	PAYNOBLLNW_A	SA147X.	PAYWORRY_A	SA072X.
 /* CVD FORMAT ASSOCIATIONS */					
CVDDIAG_A	SA147X.	COVIDTEST_A	SA147X.	CVDRSLT_A	SA080X.
CVDSEV_A	SA081X.				
 /* TSC FORMAT ASSOCIATIONS */					
CVDSYMSM_A	SA147X.	CVDSMREC_A	SA099X.	CVDSYMTST_A	SA147X.
CVDTSTREC_A	SA099X.				
 /* UTZ FORMAT ASSOCIATIONS */					
LASTDR_A	SA142X.	WELLNESS_A	SA147X.	WELLVIS_A	SA142X.
USUALPL_A	SA145X.	USPLKIND_A	SA123X.	URGNT12MTC_A	SA062X.
EMERG12MTC_A	SA018X.	HOSPONGT_A	SA147X.	MEDDL12M_A	SA147X.
MEDNG12M_A	SA147X.				
 /* ACC FORMAT ASSOCIATIONS */					
DLYCARE_A	SA147X.	DNGCARE_A	SA147X.	VIRAPP12M_A	SA147X.
VIRAPPCVD_A	SA147X.				
 /* CNV FORMAT ASSOCIATIONS */					
CANCOVTREA_A	SA147X.	CANCOVCHG_A	SA147X.	CANCOVOTH_A	SA147X.
CANCOVCARE_A	SA147X.				
 /* PMD FORMAT ASSOCIATIONS */					
RX12M_A	SA147X.	RXSK12M_A	SA147X.	RXLS12M_A	SA147X.
RXDL12M_A	SA147X.	RXDG12M_A	SA147X.		
 /* PRV FORMAT ASSOCIATIONS */					
BPLAST_A	SA142X.	CHOLLAST_A	SA142X.	DIBLAST1_A	SA142X.
DIAB1CLAST_A	SA142X.	DIABA1CNMT_A	SA014X.	COLORECTEV_A	SA147X.
COLORECTYP_A	SA078X.	COLWHEN_A	SA141X.	COLREASON_A	SA079X.
COLPAY_A	SA127X.	COLSIGWHEN_A	SA141X.	SIGWHEN_A	SA141X.
CTCOLEV1_A	SA147X.	FITHEV1_A	SA147X.	FITHWHEN1_A	SA141X.
COLOGUARD1_A	SA147X.	FITCOLG1_A	SA147X.	CGUARDWHE1_A	SA141X.
COLPROB1_A	SA147X.	COLTEST1_A	SA114X.	COLTEST2_A	SA114X.
COLTEST3_A	SA114X.	COLTEST4_A	SA114X.	COLTEST5_A	SA114X.
COLTEST6_A	SA114X.	PSATEST_A	SA147X.	PSAWHEN_A	SA141X.
PSAREASON_A	SA097X.	PSASUGGEST_A	SA128X.	CERVICEV1_A	SA147X.
CERVICWHEN_A	SA141X.	CERREASON1_A	SA079X.	PAPTEST_A	SA147X.
HPVTEST_A	SA147X.	TELLCERVIC_A	SA147X.	CERVICRES_A	SA147X.
CERVICNOT1_A	SA121X.	HYSTEV1_A	SA147X.	MAMEV_A	SA147X.
MAMWHEN_A	SA141X.	MAMPAY_A	SA127X.	MAMREASON_A	SA097X.
MAMAGE1ST1_A	SA150X.	MAMNOT1_A	SA111X.		
 /* IMS FORMAT ASSOCIATIONS */					
PREGLFLUYR_A	SA147X.	LIVEBIRTH_A	SA147X.	SHTFLU12M_A	SA147X.
SHTFLUM_A	SA115X.	SHTFLUY_A	SA064X.	FLUPREG_A	SA148X.
FLUPREG2_A	SA149X.	SHTCVD19_A	SA147X.	SHTCVD19NM_A	SA082X.
CVDVAC1MR_A	SA115X.	CVDVAC1YR_A	SA064X.	CVDVAC2MR_A	SA115X.
CVDVAC2YR_A	SA064X.	SHTCVD19AV_A	SA147X.	SHTPNUEV_A	SA147X.
SHTPNEUNB_A	SA129X.	SHTSHINGLE_A	SA147X.	ZOSTAVAX1_A	SA147X.
ZOSTAVXYRP_A	SA069X.	ZOSTAWHEN_A	SA147X.	SHINGRIX1_A	SA147X.

SHINGRIXNB_A	SA136X.	SHINGRXYRP_A	SA058X.	SHINGWHEN_A	SA147X.
TDAPPREG_A	SA147X.	SHTHEPB_A	SA147X.	SHTHEPA_A	SA147X.
LIVEHEP_A	SA147X.	WORKHEALTH_A	SA147X.	WRKHLTHFC_A	SA147X.
TRAVEL_A	SA147X.				
 /* CGR FORMAT ASSOCIATIONS */					
HOMEHC12M_A	SA147X.	HOMECAREDG_A	SA147X.	FAMCARE12M_A	SA147X.
FAMCAREDNG_A	SA147X.	FAMCARECVD_A	SA147X.		
 /* ANX FORMAT ASSOCIATIONS */					
ANXFREQ_A	SA103X.	ANXMED_A	SA147X.	ANXLEVEL_A	SA109X.
 /* DEP FORMAT ASSOCIATIONS */					
DEPFREQ_A	SA103X.	DEPMED_A	SA147X.	DEPLEVEL_A	SA109X.
 /* MHC FORMAT ASSOCIATIONS */					
MHRX_A	SA147X.	MHTHRPY_A	SA147X.	MHTPYNOW_A	SA147X.
MHTHDLY_A	SA147X.	MHTHND_A	SA147X.		
 /* SPD FORMAT ASSOCIATIONS */					
SAD_A	SA071X.	NERVOUS_A	SA071X.	RESTLESS_A	SA071X.
HOPELESS_A	SA071X.	EFFORT_A	SA071X.	WORTHLESS_A	SA071X.
K6SPD_A	SA032X.				
 /* PAI FORMAT ASSOCIATIONS */					
PAIFRQ3M_A	SA102X.	PAIAMNT_A	SA109X.	PAIWKL3M_A	SA102X.
PAIAFFM3M_A	SA102X.	PAIBACK3M_A	SA117X.	PAIULMB3M_A	SA117X.
PAILLMB3M_A	SA117X.	PAIHDFC3M_A	SA117X.	PAIAPG3M_A	SA117X.
PAITOOTH3M_A	SA117X.				
 /* REP FORMAT ASSOCIATIONS */					
REPSTRAIN_A	SA147X.	REPLIMIT_A	SA147X.	REPSAWDOC_A	SA147X.
REPWRKDYTC_A	SA013X.	REPFTWRK_A	SA147X.	REPSTOPCHG_A	SA147X.
REPREDUCE_A	SA147X.	REPWRKCAUS_A	SA147X.		
 /* INJ FORMAT ASSOCIATIONS */					
ANYINJURY_A	SA147X.	INJLIMIT_A	SA147X.	NUMINJTC_A	SA001X.
INJHOME_A	SA147X.	INJWORK_A	SA147X.	INJSPORTS_A	SA147X.
INJFALL_A	SA147X.	INJFALLHOM_A	SA147X.	INJFALLWRK_A	SA147X.
INJMOTOR_A	SA147X.	INJMVTTYPE1_A	SA114X.	INJMVTTYPE2_A	SA114X.
INJMVTTYPE3_A	SA114X.	INJMVTTYPE4_A	SA114X.	INJMVTTYPE5_A	SA114X.
INJCHORES_A	SA147X.	INJSAWDOC_A	SA147X.	INJER_A	SA147X.
INJHOSP_A	SA147X.	INJBONES_A	SA147X.	INJSTITCH_A	SA147X.
INJWRKDYTC_A	SA013X.	INJFUTWRK_A	SA147X.	INJSTOPCHG_A	SA147X.
INJREDUCE_A	SA147X.				
 /* TSM FORMAT ASSOCIATIONS */					
SMELLDFA_A	SA090X.	SMELLCOMP_A	SA073X.	SMELLPHT_A	SA147X.
TASTEDFA_A	SA091X.	TASTECOMP_A	SA073X.	TASTEFLAV_A	SA073X.
TASTEUNW_A	SA147X.	TSTSMHP_A	SA147X.	TSTSMLAST_A	SA141X.
 /* CIG FORMAT ASSOCIATIONS */					
SMKEV_A	SA147X.	SMKNOW_A	SA098X.	SMKCIGST_A	SA059X.
CIGNOW_A	SA086X.	SMK30D_A	SA083X.	CIG30D_A	SA086X.
ECIGEV_A	SA147X.	ECIGNOW_A	SA098X.	SMKECIGST_A	SA016X.
 /* OTB FORMAT ASSOCIATIONS */					
CIGAREV_A	SA147X.	CIGARCUR_A	SA098X.	CIGAR30D_A	SA083X.
PIPEEV_A	SA147X.	PIPECUR_A	SA098X.	SMOKELSEV_A	SA147X.
SMOKELSCUR_A	SA098X.				
 /* SOS FORMAT ASSOCIATIONS */					
SUPPORT_A	SA140X.	CMPSUPPORT_A	SA074X.		
 /* ORN FORMAT ASSOCIATIONS */					
ORIENT_A	SA119X.				
 /* MAR FORMAT ASSOCIATIONS */					
MARITAL_A	SA112X.	SPOUSLIV_A	SA147X.	SPOUSEP_A	SA147X.
EVRMARRIED_A	SA147X.	MARSTAT_A	SA036X.	LEGSTAT_A	SA034X.
SPOUSESEX_A	SA135X.	SASPRACE_A	SA066X.	SASPPHISP_A	SA066X.
SPOUSAGETC_A	SA004X.	SPOUSEDUCP_A	SA017X.	SPOUSWRK_A	SA147X.
SPOUSWKFT_A	SA147X.	PRTNRSEX_A	SA135X.	PRTNRAGETC_A	SA004X.
PRTNREDUCP_A	SA017X.	PRTNRWRK_A	SA147X.	PRTNRWKFT_A	SA147X.
SAPARENTSC_A	SA056X.	PARSTAT_A	SA044X.		
 /* VET FORMAT ASSOCIATIONS */					

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AFVET_A          SA147X.    AFVETTRN_A      SA147X.    COMBAT_A        SA147X.
VADISB_A         SA147X.    VAHOSP_A       SA147X.    VACAREEV_A     SA147X.

/* NAT FORMAT ASSOCIATIONS */
NATUSBORN_A     SA147X.    YRSINUS_A      SA068X.    CITZNSTP_A     SA009X.

/* SCH FORMAT ASSOCIATIONS */
SCHCURENR_A     SA147X.    SCHDYSSTC_A     SA057X.

/* EMP FORMAT ASSOCIATIONS */
EMPWRKLSW1_A    SA147X.    EMPWHYNOT_A    SA095X.    EMPLSTWOR1_A   SA094X.
EMPWKRS3_A      SA019X.    EMPWRKF1_A     SA147X.    EMPSICKLV_A   SA147X.
EMPHEALINS_A    SA147X.    EMPDYSMSS3_A   SA012X.

/* EMD FORMAT ASSOCIATIONS */
EMDSUPER_A       SA147X.    EMDWRKCAT1_A   SA093X.

/* JOB FORMAT ASSOCIATIONS */
JOBTAX_A         SA147X.    JOBCHEARN_A    SA105X.    JOBSHIFT_A     SA108X.
JOBCHGSCH_A      SA106X.    JOBVARYSCH_A   SA147X.    JOBADVSCH_A   SA104X.
JOBLKYLOSS_A     SA107X.    JOBWRKSICK_A  SA084X.    JOBMISS_A     SA084X.

/* SDW FORMAT ASSOCIATIONS */
CURJOBSD1_A     SA147X.    WRKCLSSD1_A    SA137X.    WRKCLNSD1_A   SA146X.
WRKCLSOFT1_A    SA137X.    SDMSRS1_A     SA147X.    SDMSRSD1_A   SA134X.
RECJOBSD1_A     SA147X.    JOBANYSD1_A   SA147X.    RJCLSSD1_A   SA137X.
CLSWRKSD1_A     SA134X.    RJCLSNOSD1_A  SA130X.    RJCLSOFT1_A  SA137X.
CLSWRKNOS1_A    SA060X.

/* FEM FORMAT ASSOCIATIONS */
PCNTADTWKP_A    SA045X.    PCNTADTWFP_A   SA045X.

/* INC FORMAT ASSOCIATIONS */
INCWRSO_A        SA147X.    INCINTER_A    SA147X.    INCSSRR_A     SA147X.
INCSSISSDI_A     SA147X.    SSISSDIBTH_A  SA138X.    SSISSDIDS_B   SA147X.
INCWELF_A        SA147X.    INCRETIRE_A   SA147X.    INCOTHR_A     SA147X.
POVRATTC_A       SA049X.    RATCAT_A     SA053X.    IMPINCFLG_A  $SA028X.

/* FOO FORMAT ASSOCIATIONS */
FSNAP12M_A       SA147X.    FSNAP30D_A    SA147X.    FWIC12M_A     SA147X.
FLUNCH12M_A      SA147X.

/* FDS FORMAT ASSOCIATIONS */
FDSRUNOUT_A     SA144X.    FDSSLAST_A    SA144X.    FDSBALANCE_A  SA144X.
FDSSKIP_A        SA147X.    FDSSKIPDYS_A  SA085X.    FDSLESS_A     SA147X.
FDSHUNGRY_A     SA147X.    FDSSWEIGHT_A  SA147X.    FDSNOTEAT_A  SA147X.
FDSDNEDAYS_A    SA085X.    FDSCAT3_A    SA022X.    FDSCAT4_A    SA023X.

/* HOU FORMAT ASSOCIATIONS */
HOURSLIV_A       SA143X.    HOUTENURE_A   SA101X.    HOUGVASST_A  SA147X.
;
```

```

run;

proc contents DATA=NHIS.&adulttds;
  title1 'Contents of the 2021 NHIS Sample Adult file';
run;
```

```

proc freq data=NHIS.&adulttds notitle;
  tables intv_qrt/list missing;
  title1 'Frequency report for Sample Adult file';
  title2 '(weighted)';
  weight WTFA_A;
run;
```

```

proc freq data=NHIS.&adulttds notitle;
  tables rectype/list missing;
  title1 'Frequency report for NHIS Sample Adult file';
  title2 '(unweighted)';
run;
```

```
LIBNAME a "/home/u60771138/nhis";
```

```
PROC CONTENTS DATA=a.adult21;
RUN;
```

```
/*create a dataset by keeping and dropping variables*/
```

```
DATA a2;
```

Log: adult.sas~

Notes (5)

```
1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69      PROC LOGISTIC DATA = A16;
70      CLASS DEPEV_A (REF="2 No") SUPPORT_A (REF="1 Always") / PARAM = REF; /*where 1 for support_a = always and 2 for depev_a =
70      ! never*/
71      MODEL SMKCIGST_A (EVENT="4")= DEPEV_A SUPPORT_A ; /*where 4 = Never smokes*/
72      RUN;
```

NOTE: Option EVENT= is ignored since LINK=CLOGIT.

NOTE: PROC LOGISTIC is fitting the cumulative logit model. The probabilities modeled are summed over the responses having the lower Ordered Values in the Response Profile table. Use the response variable option DESCENDING if you want to reverse the assignment of Ordered Values to the response levels.

NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: There were 28249 observations read from the data set WORK.A16.

NOTE: PROCEDURE LOGISTIC used (Total process time):

```
real time      0.23 seconds
user cpu time  0.23 seconds
system cpu time 0.01 seconds
memory        7308.37k
OS Memory     32796.00k
Timestamp      03/27/2023 10:46:13 PM
Step Count      265  Switch Count  0
Page Faults    0
Page Reclaims  1518
Page Swaps     0
Voluntary Context Switches 0
Involuntary Context Switches 0
Block Input Operations 0
Block Output Operations 2608
```

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```
74      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
```

84

Results: adult.sas~

The LOGISTIC Procedure

Model Information		
Data Set	WORK.A16	
Response Variable	SMKCIGST_A	Cigarette smoking status
Number of Response Levels	4	
Model	cumulative logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	28249
Number of Observations Used	28249

Response Profile

Ordered Value	SMKCIGST_A	Total Frequency
1	1 Current every day smoker	2576
2	2 Current some day smoker	777
3	3 Former smoker	7324
4	4 Never smoker	17572

Probabilities modeled are cumulated over the lower Ordered Values.

Class Level Information

Class	Value	Design Variables
DEPEV_A	1 Yes	1
	2 No	0
SUPPORT_A	1 Always	0 0 0 0
	2 Usually	1 0 0 0
	3 Sometimes	0 1 0 0
	4 Rarely	0 0 1 0
	5 Never	0 0 0 1

Model Convergence Status

Convergence criterion (GCONV=1E-8) satisfied.

RUN;

Score Test for the Proportional Odds Assumption			
Chi-Square	DF	Pr > ChiSq	
77.5822	10	<.0001	

DATA a12;

SET a11;

if SMKCIGST_A = 9 then DELETE;

RUN;

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	54386.233	53891.806
SC	54410.979	53957.797
-2 Log L	54380.233	53875.806

DATA a13;

SET a12;

if EDUCP_A = 97 then DELETE;

RUN;

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	504.4261	5	<.0001	
Score	511.0769	5	<.0001	
Wald	521.7642	5	<.0001	

DATA a14;

SET a13;

if EDUCP_A = 99 then DELETE;

RUN;

Type 3 Analysis of Effects				
Effect	Wald	Chi-Square	Pr > ChiSq	
DEPEV_A	1	340.0911	<.0001	
SUPPORT_A	4	111.9144	<.0001	

DATA A15;

SET A14;

drop AGEP_A;

IF AGEP_A >= 18 AND AGEP_A < 45 THEN AGE=1;

IF AGEP_A >= 45 AND AGEP_A < 65 THEN AGE=2;

IF AGEP_A >= 65 THEN AGE=3;

RUN;

/*we categorize age into three groups: 18-44, 45-64, >=65 years and use the variable "AGE"*/

DATA A16;

SET A15;

IF CIGNOW_A >=12 THEN CIGNOW=1;

IF CIGNOW_A >=1 AND CIGNOW_A <12 THEN CIGNOW=2;

RUN;

Analysis of Maximum Likelihood Estimates					
		DF	Estimate	Standard Error	Wald Chi-Square
Intercept	1 Current every day smoker	1	-2.4702	0.0243	10364.1035 <.0001
Intercept	2 Current some day smoker	1	-2.1725	0.0223	9487.3204 <.0001
Intercept	3 Former smoker	1	-0.6450	0.0170	1433.0799 <.0001
DEPEV_A	1 Yes	1	0.5587	0.0303	340.0911 <.0001
SUPPORT_A	2 Usually	1	-1.0925	0.0292	3.2335 0.0721
SUPPORT_A	3 Sometimes	1	0.2577	0.0385	44.8551 <.0001
SUPPORT_A	4 Rarely	1	0.4087	0.0640	40.8273 <.0001
SUPPORT_A	5 Never	1	0.2795	0.0604	21.3976 <.0001

/*we categorize cignow_a variable into two groups: current everyday smoking 1-11 cigarettes/day and more than 12 cigarettes/day*/
PROC FREQ DATA = A16;
TABLES DEPEV_A*SMKCIGST_A SUPPORT_A*SMKCIGST_A / CHISQ EXPECTED;
RUN;

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
DEPEV_A 1 Yes vs 2 No	1.748	1.648	1.855
SUPPORT_A 2 Usually vs 1 Always	0.949	0.896	1.005
SUPPORT_A 3 Sometimes vs 1 Always	1.294	1.200	1.395
SUPPORT_A 4 Rarely vs 1 Always	1.505	1.328	1.706
SUPPORT_A 5 Never vs 1 Always	1.322	1.175	1.489

/*Bivariate association between selected characteristics and smoking status through polytomous logistic regression*/
PROC LOGISTIC DATA = A16;
CLASS DEPEV_A (REF="2 No") SUPPORT_A (REF="1 Always") / PARAM = REF; /*where 1 for support_a = always and 2 for depev_a = never*/
MODEL SMKCIGST_A (EVENT="4")= DEPEV_A SUPPORT_A ; /*where 4 = Never smokes*/
RUN;

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	41.9	Somers' D	0.115
Percent Discordant	58.1	Gamma	0.159
Percent Tied	27.7	Tau-a	0.062
Pairs	214175168	c	0.557