

0-adult

April 19, 2018

```
In [1]: FILENAME ADULT "adult.dat" LRECL=3348;  
      *** LRECL includes 2 positions for CRLF, assuming use of PC SAS;
```

SAS Connection established. Subprocess id is 3726

Out[1]: <IPython.core.display.HTML object>

```
In [2]: DATA ADULT;  
      INFILE ADULT MISSOVER;
```

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FORMAT

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WTPFCNS1	Z9.2
WTPFSD1	Z9.2
WTPFMD1	Z9.2
WTPFHSD1	Z9.2
WTPFHMD1	Z9.2
WTPFQX2	Z9.2
WTPFEX2	Z9.2
WTPFHX2	Z9.2
WTPFALG2	Z9.2
WTPFCNS2	Z9.2
WTPFSD2	Z9.2
WTPFMD2	Z9.2
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WTPQRP4	Z9.2

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HAT12MET Z3.2
HAT19MET Z4.2
HAT21MET Z4.2
HAT23MET Z4.2
HAT25MET Z3.2
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```

Out [2]: <IPython.core.display.HTML object>

In [3]: INPUT

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DMPFSEQ   6-10
DMPSTAT   11
DMARETHN  12
DMARACER  13
DMAETHNR  14
HSSEX     15
HSDOIMO   16-17
HSAGEIR   18-19
HSAGEU    20
HSAITMOR  21-24
HSFSIZER  25-26
HSHSIZER  27-28
DMPCNTYR  29-31
DMPFIPSR  32-33
DMPMETRO  34
DMPCREGN  35
DMPPIR    36-41
SDPPHASE  42
SDPPSU6   43
SDPSTRA6  44-45
SDPPSU1   46
SDPSTRA1  47-48
SDPPSU2   49
SDPSTRA2  50-51
WTPFQX6   52-60
WTPFEX6   61-69
WTPFHX6   70-78
WTPFALG6  79-87
WTPFCNS6  88-96
WTPFSD6   97-105
WTPFMD6   106-114

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WTPFHMD6 124-132
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WTPFHX1 151-159
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 MXPSESSR 1233
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 MXPTIDW 1236
 MXPAXTMR 1237-1240
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HAN6CS	2145-2148
HAN6DS	2149-2151
HAN6ES	2152-2155
HAN6FS	2156-2159
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HAN6JS	2170-2172
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HAN7CS	2179-2181
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HAN8BS	2191-2194

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HAS19	2367
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HAT12MET	2429-2431
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HAT15S	2438-2441
HAT16	2442
HAT16MET	2443
HAT17S	2444-2447
HAT18	2448
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HAT19MET	2454-2457
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HAT23CD	2474-2478
HAT23MET	2479-2481
HAT24S	2482-2485
HAT25CD	2486-2490
HAT25MET	2491-2493
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HAZA11B	3330-3332

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HAZA12 3336
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HAZMNK5R 3342-3344
HAZNOK5R 3345-3346
;
```

Out[3]: <IPython.core.display.HTML object>

In [4]: LABEL

```
SEQN      = "Sequence number"
DMPFSEQ   = "Family sequence number"
DMPSTAT   = "Examination/interview status"
DMARETHN  = "Race-ethnicity"
DMARACER  = "Race"
DMAETHNR  = "Ethnicity"
HSSEX     = "Sex"
HSDOIMO   = "Date of screener: month"
HSAGEIR   = "Age at interview (screener) - qty"
HSAGEU    = "Age at interview (screener) - unit"
HSAITMOR  = "Age in months at interview (screener)"
HSFSIZER  = "Family size (persons in family)"
HSHSIZER  = "Household size (persons in dwelling)"
DMPCNTYR  = "County code"
DMPFIPSR  = "FIPS code for State"
DMPMETRO  = "Rural/urban code based on USDA code"
DMPCREGN  = "Census region, weighting(Texas in south)"
DMPPIR    = "Poverty Income Ratio (unimputed income)"
SDPPHASE  = "Phase of NHANES III Survey"
SDPPSU6   = "Total NHANES III pseudo-PSU"
SDPSTRA6  = "Total NHANES III pseudo-stratum"
SDPPSU1   = "Pseudo-PSU for phase 1"
SDPSTRA1  = "Pseudo-stratum for phase 1"
SDPPSU2   = "Pseudo-PSU for phase 2"
SDPSTRA2  = "Pseudo-stratum for phase 2"
WTPFQX6   = "Total interviewed sample final weight"
WTPFEX6   = "Total MEC examined sample final weight"
WTPFHX6   = "Total M+H examined sample final weight"
WTPFALG6  = "Total allergy subsample final weight"
WTPFCNS6  = "Total CNS subsample final weight"
WTPFSD6   = "Total morning subsample final wgt"
WTPFMD6   = "Total afternoon/eve subsample final wgt"
WTPFHSD6  = "Total M+H morning subsample final wgt"
WTPFHMD6  = "Total M+H afternoon subsample final wgt"
WTPFQX1   = "Phase 1 interviewed sample final wgt"
WTPFEX1   = "Phase 1 MEC examined sample final wgt"
WTPFHX1   = "Phase 1 M+H examined sample final wgt"
```


WTPFALG1 = "Phase 1 allergy subsample final wgt"
 WTPFCNS1 = "Phase 1 CNS subsample final wgt"
 WTPFSD1 = "Phase 1 morning sess subsample final wgt"
 WTPFMD1 = "Phase 1 aft/eve subsample final wgt"
 WTPFHSD1 = "Phase 1 morning M+H subsample final wgt"
 WTPFHMD1 = "Phase 1 aft/eve M+H subsample final wgt"
 WTPFQX2 = "Phase 2 interviewed sample final wgt"
 WTPFEX2 = "Phase 2 MEC examined sample final wgt"
 WTPFHX2 = "Phase 2 M+H examined sample final wgt"
 WTPFALG2 = "Phase 2 allergy subsample final wgt"
 WTPFCNS2 = "Phase 2 CNS subsample final wgt"
 WTPFSD2 = "Phase 2 morning sess subsample final wgt"
 WTPFMD2 = "Phase 2 aft/eve subsample final wgt"
 WTPFHSD2 = "Phase 2 morning M+H subsample final wgt"
 WTPFHMD2 = "Phase 2 aft/eve M+H subsample final wgt"
 WTPQRP1 = "Replicate 1 final interview weight"
 WTPQRP2 = "Replicate 2 final interview weight"
 WTPQRP3 = "Replicate 3 final interview weight"
 WTPQRP4 = "Replicate 4 final interview weight"
 WTPQRP5 = "Replicate 5 final interview weight"
 WTPQRP6 = "Replicate 6 final interview weight"
 WTPQRP7 = "Replicate 7 final interview weight"
 WTPQRP8 = "Replicate 8 final interview weight"
 WTPQRP9 = "Replicate 9 final interview weight"
 WTPQRP10 = "Replicate 10 final interview weight"
 WTPQRP11 = "Replicate 11 final interview weight"
 WTPQRP12 = "Replicate 12 final interview weight"
 WTPQRP13 = "Replicate 13 final interview weight"
 WTPQRP14 = "Replicate 14 final interview weight"
 WTPQRP15 = "Replicate 15 final interview weight"
 WTPQRP16 = "Replicate 16 final interview weight"
 WTPQRP17 = "Replicate 17 final interview weight"
 WTPQRP18 = "Replicate 18 final interview weight"
 WTPQRP19 = "Replicate 19 final interview weight"
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 WTPQRP26 = "Replicate 26 final interview weight"
 WTPQRP27 = "Replicate 27 final interview weight"
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 WTPQRP30 = "Replicate 30 final interview weight"
 WTPQRP31 = "Replicate 31 final interview weight"
 WTPQRP32 = "Replicate 32 final interview weight"
 WTPQRP33 = "Replicate 33 final interview weight"

WTPQRP34 = "Replicate 34 final interview weight"
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WTPQRP39 = "Replicate 39 final interview weight"
WTPQRP40 = "Replicate 40 final interview weight"
WTPQRP41 = "Replicate 41 final interview weight"
WTPQRP42 = "Replicate 42 final interview weight"
WTPQRP43 = "Replicate 43 final interview weight"
WTPQRP44 = "Replicate 44 final interview weight"
WTPQRP45 = "Replicate 45 final interview weight"
WTPQRP46 = "Replicate 46 final interview weight"
WTPQRP47 = "Replicate 47 final interview weight"
WTPQRP48 = "Replicate 48 final interview weight"
WTPQRP49 = "Replicate 49 final interview weight"
WTPQRP50 = "Replicate 50 final interview weight"
WTPQRP51 = "Replicate 51 final interview weight"
WTPQRP52 = "Replicate 52 final interview weight"
WTPXRP1 = "Replicate 1 final exam weight"
WTPXRP2 = "Replicate 2 final exam weight"
WTPXRP3 = "Replicate 3 final exam weight"
WTPXRP4 = "Replicate 4 final exam weight"
WTPXRP5 = "Replicate 5 final exam weight"
WTPXRP6 = "Replicate 6 final exam weight"
WTPXRP7 = "Replicate 7 final exam weight"
WTPXRP8 = "Replicate 8 final exam weight"
WTPXRP9 = "Replicate 9 final exam weight"
WTPXRP10 = "Replicate 10 final exam weight"
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WTPXRP12 = "Replicate 12 final exam weight"
WTPXRP13 = "Replicate 13 final exam weight"
WTPXRP14 = "Replicate 14 final exam weight"
WTPXRP15 = "Replicate 15 final exam weight"
WTPXRP16 = "Replicate 16 final exam weight"
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WTPXRP28 = "Replicate 28 final exam weight"
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WTPXRP30 = "Replicate 30 final exam weight"
 WTPXRP31 = "Replicate 31 final exam weight"
 WTPXRP32 = "Replicate 32 final exam weight"
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 WTPXRP38 = "Replicate 38 final exam weight"
 WTPXRP39 = "Replicate 39 final exam weight"
 WTPXRP40 = "Replicate 40 final exam weight"
 WTPXRP41 = "Replicate 41 final exam weight"
 WTPXRP42 = "Replicate 42 final exam weight"
 WTPXRP43 = "Replicate 43 final exam weight"
 WTPXRP44 = "Replicate 44 final exam weight"
 WTPXRP45 = "Replicate 45 final exam weight"
 WTPXRP46 = "Replicate 46 final exam weight"
 WTPXRP47 = "Replicate 47 final exam weight"
 WTPXRP48 = "Replicate 48 final exam weight"
 WTPXRP49 = "Replicate 49 final exam weight"
 WTPXRP50 = "Replicate 50 final exam weight"
 WTPXRP51 = "Replicate 51 final exam weight"
 WTPXRP52 = "Replicate 52 final exam weight"
 HYAITMO = "Age in months at youth interview"
 MXPLANG = "Language used by SP in MEC"
 MXPSESSR = "Session for MEC examination"
 MXPTIMO = "Date of MEC exam time in: month"
 MXPTIDW = "Day of week of MEC exam"
 MXPAXTMR = "Age in months at MEC exam"
 HXPSESSR = "Session for home examination"
 HXPTIMO = "Date of home exam: month"
 HXPTIDW = "Day of week of home exam"
 HXPAXTMR = "Age in months at home exam"
 HFVERS = "Version of household family quex"
 HFINTVR = "Family interviewer number"
 HFLANG = "Language of family interview"
 HFA6XCR = "State or foreign country of birth"
 HFA8R = "Highest grade or yr of school completed"
 HFA12 = "Marital status"
 HFA13 = "Military service"
 HFB1 = "Any SP covered by Medicare in last month"
 HFB2 = "Covered by Medicare in last month"
 HFB3 = "Type of Medicare coverage"
 HFB4 = "Covered by Medicare last mo for hospital"
 HFB5 = "Covered by Medicare last mo for doctor"
 HFB6 = "Any SP covered by Medicaid in last month"
 HFB7 = "Covered by Medicaid in last month"
 HFB8 = "Any SP covered by CHAMPUS, etc, last mo"

HFB9 = "Covered by CHAMPUS/VA/military last mo"
HFB10 = "Any SP cov by other health insur last mo"
HFB11 = "Covered by other health insur last month"
HFB11A = "Any plan cover any hospital expenses"
HFB11B = "Any plan cover routine doctor's care"
HFB11C = "Any plan cover dental care (phase 2)"
HFB11D = "Any plan from employer or union (phase2)"
HFB11E = "Covered plan pays for operations (ph 1)"
HFB12 = "Refused/limited insur, poor health (ph2)"
HFB13 = "Insurance coverage check item"
HFB14AB = "No insurance: unemployed or related(ph1)"
HFB14AC = "No insur: poor health, illness, age(ph1)"
HFB14AD = "No insurance: can't afford (phase 1)"
HFB14AE = "No insur: dissatisfied w/ previous (ph1)"
HFB14AF = "No insurance: don't believe in (phase 1)"
HFB14AG = "No insurance: healthy, no need (phase 1)"
HFB14AI = "No insurance: some other reason(phase 1)"
HFB14BA = "No insur: refused for health reason(ph2)"
HFB14BB = "No insur: not employed,can't afford(ph2)"
HFB14BC = "No insur: not employed,not continue(ph2)"
HFB14BD = "No insur: employer does not offer (ph 2)"
HFB14BE = "No insur:emplyr offers,not eligible(ph2)"
HFB14BF = "No insur:emplyr offers,can't afford(ph2)"
HFB14BG = "No insur:no believe/not get/no need(ph2)"
HFB14BH = "No insurance:some other reason (phase 2)"
HFB16A = "Main reason not covered (phase 1)"
HFB16B = "Main reason not covered (phase 2)"
HFB17 = "Insurance that pays any dental (phase 1)"
HFC1 = "Age 17+ years check item"
HFC2S = "Mother's weight calculated in pounds"
HFC3S = "Mother's height calculated in inches"
HFC4S = "Father's weight calculated in pounds"
HFC5S = "Father's height calculated in inches"
HFC6A = "Parent high blood pres/stroke before 50"
HFC6A1 = "Which parent, high blood pres/stroke"
HFC6B = "Parent heart attack/angina before 50"
HFC6B1 = "Which parent, heart attack/angina"
HFC6C = "Parent high blood cholesterol at any age"
HFC6C1 = "Which parent, high blood cholesterol"
HFC6D = "Parent asthma or hay fever at any age"
HFC6D1 = "Which parent, asthma or hay fever"
HFC6E = "Parent diabetes at any age"
HFC6E1 = "Which parent, diabetes"
HFC7S = "How long at address calculated in weeks"
HFC8S = "How long in city/town/area calc in weeks"
HFC9 = "How many times moved"
HFC10 = "Country mother born"
HFC11 = "Country father born"

HFD1 = "Head of family check item"
 HFD2 = "Work at job during past 2 weeks"
 HFD3 = "Had job/business during last 2 weeks"
 HFD4 = "Looking for work or on layoff"
 HFD5 = "Which, looking for work or on layoff"
 HFD9R = "What kind of business or industry"
 HFD10R = "What kind of work was person doing"
 HFD12 = "Class of worker"
 HFE1 = "When house/structure originally built"
 HFE2 = "How many rooms are in this home"
 HFE3 = "How long family lived at address - years"
 HFE4 = "Is home drinking water bottled or tap"
 HFE5 = "What is source of your home tap water"
 HFE6 = "Water softening or conditioning system"
 HFE7 = "Do any pets live in this home"
 HFE8A = "Pet lives here - a dog"
 HFE8B = "Pet lives here - a cat"
 HFE8C = "Pet lives here - a bird"
 HFE8D = "Pet lives here - a fish"
 HFE8E = "Pet lives here - other pet"
 HFE9 = "Was forced air heat used in past 12 mo"
 HFE10 = "Furnace fueled by oil, gas, elect, other"
 HFE11 = "Was space heater used in past 12 months"
 HFE12 = "Space htr fueled by elect, oil,gas,other"
 HFE13 = "Was wood stove used in past 12 months"
 HFE14 = "Was fireplace used in past 12 months"
 HFE15 = "Is gas stove or oven used for cooking"
 HFE16 = "Is exhaust fan near this stove"
 HFE17 = "How often is exhaust fan used"
 HFE18 = "Was stove/oven used to heat, past 12 mo"
 HFF1 = "Anyone living here smoke cigs in home"
 HFF2R = "# persons who smoke cigarettes in home"
 HFF3A = "Cigarettes per day person 1 smokes"
 HFF3B = "Cigarettes per day person 2 smokes"
 HFF3C = "Cigarettes per day person 3 smokes"
 HFF3D = "Cigarettes per day person 4 smokes"
 HFF3E = "Cigarettes per day person 5 smokes"
 HFF3F = "Cigarettes per day person 6 smokes"
 HFF4 = "Do you have enough food to eat"
 HFF5 = "# days had no food/money in past month"
 HFF6A = "Reason no food: transportation problems"
 HFF6B = "Reason no food: no working appliances"
 HFF6C = "Reason no food: no money/food stamps/WIC"
 HFF6D = "Reason no food: other reason"
 HFF7 = "Cut meal size, no money/food, past month"
 HFF8 = "Cut child's meal size, no money, past mo"
 HFF9 = "Any receive benefits from WIC in last mo"
 HFF10 = "Any receive food stamps in last 12 month"

HFF11 = "Any receive food stamps at present time"
 HFF12A = "Any receive employment income,last month"
 HFF12B = "Receive employment income in last month"
 HFF13A = "Anyone receive SS/RR pay in last month"
 HFF13B = "Receive SS/RR pay in last month"
 HFF13DA = "Reason getting SS/RR (phase 1)"
 HFF13DB = "Reason getting SS/RR (phase 2)"
 HFF13E = "Another reason getting SS (phase 1)"
 HFF14A = "Any receive SSI pay, Federal, last month"
 HFF14B = "Receive SSI pay, Federal, in last month"
 HFF14D = "Recv separate SSI,welfare,past 4 mo(ph1)"
 HFF15A = "Any receive other pension/disabl,last mo"
 HFF15B = "Receive other pension/disability,last mo"
 HFF16A = "Any receive public asst/welfare, last mo"
 HFF16B = "Receive public assist/welfare, last mo"
 HFF16D = "Anyone receive AFDC/ADC in last month"
 HFF16E = "Receive AFDC/ADC in last month"
 HFF17A = "Anyone receive other income, last month"
 HFF17B = "Receive other income in last month"
 HFF18 = "Total family 12 month income < \$20,000"
 HFF19R = "Total family 12 month income group (ph1)"
 HFF20R = "Total family income, last mo, group(ph1)"
 HFHSEQN = "Family reference person sequence number"
 HFHAGER = "Family reference person age - years"
 HFHSEX = "Family reference person sex"
 HFHFIPCR = "Family reference person birthplace"
 HFHEDUCR = "Family refer person high grade completed"
 HFHEMPL = "Family refer person employed, past 2 wks"
 HFHMRST = "Family reference person marital status"
 HFHMLSV = "Family reference person military service"
 HFRELRL = "Respondent relationship to refer person"
 HFAGERR = "Respondent age in years"
 HAVERS = "Phase and questionnaire version"
 HAINTVR = "Interviewer number"
 HALANG = "Language of interview"
 HAA1 = "Did SP receive introductory letter"
 HAA2 = "Did SP hear about survey any other way"
 HAA2A = "Other way heard about the survey"
 HAA3 = "Check Item. Refer to age of SP"
 HAA4 = "What is today's date"
 HAA5 = "What is the day of the week"
 HAA6A = "What is your complete address: street"
 HAA6B = "What is your complete address: city/town"
 HAA6C = "What is your complete address: state"
 HAA6D = "What is your complete address: zip code"
 HAB1 = "Is health in general excellent,...,poor"
 HAB2 = "Go to particular place for health care"
 HAB3 = "Is there one particular doctor you see"

HAB4 = "Past 12 mos, # times stayed in hospital"
 HAB5 = "Past 12 months, # times saw doctor"
 HAB6S = "How long since saw doctor, etc - months"
 HAB7 = "Past 12 mos, # times in nursing home"
 HAC1A = "Doctor ever told you had: arthritis"
 HAC1B = "Type arthritis:rheumatoid,osteoarthritis"
 HAC1C = "Doctor told: congestive heart failure"
 HAC1D = "Doctor ever told you had: stroke"
 HAC1E = "Doctor ever told you had: asthma"
 HAC1F = "Doctor ever told had: chronic bronchitis"
 HAC1G = "Doctor ever told you had: emphysema"
 HAC1H = "Doctor ever told you had: hay fever"
 HAC1I = "Doctor ever told you had: cataracts"
 HAC1J = "Doctor ever told you had: goiter"
 HAC1K = "Doctor ever told you had:thyroid disease"
 HAC1L = "Doctor ever told you had: lupus"
 HAC1M = "Doctor ever told you had: gout"
 HAC1N = "Doctor ever told you had: skin cancer"
 HAC1O = "Doctor ever told you had: other cancer"
 HAC2E = "Do you still have asthma"
 HAC2F = "Do you still have bronchitis"
 HAC2H = "Do you still have hay fever"
 HAC2J = "Do you still have goiter"
 HAC2K = "Do you still have thyroid disease"
 HAC3AR = "Age when first told you had arth -- yrs"
 HAC3CR = "Age 1st told had cong heart fail -- yrs"
 HAC3DR = "Age when 1st told you had stroke -- yrs"
 HAC3ER = "Age when 1st told you had asthma -- yrs"
 HAC3FR = "Age when 1st told you had bronch -- yrs"
 HAC3GR = "Age when first told you had emph -- yrs"
 HAC3HR = "Age when 1st told you had hay fev -- yrs"
 HAC3IR = "Age when 1st told you had catar -- yrs"
 HAC3JR = "Age when 1st told you had goiter -- yrs"
 HAC3KR = "Age 1st told had other thyr dis -- yrs"
 HAC3LR = "Age when first told you had lupus -- yrs"
 HAC3MR = "Age when first told you had gout -- yrs"
 HAC3NR = "Age when 1st told had skin cancer -- yrs"
 HAC3OR = "Age when 1st told had other cancr -- yrs"
 HAC3OS = "Where was cancer located when first told"
 HAC4A = "Doctor told relatives they had diabetes"
 HAC4B = "Any relatives had heart attack before 50"
 HAC5A1 = "Did grandmother have diabetes"
 HAC5A2 = "Did grandfather have diabetes"
 HAC5A3 = "Did mother have diabetes"
 HAC5A4 = "Did father have diabetes"
 HAC5A5 = "Did sister have diabetes"
 HAC5A6 = "Did brother have diabetes"
 HAC5A7 = "Did aunt have diabetes"

HAC5A8 = "Did uncle have diabetes"
 HAC5A9 = "Did cousin have diabetes"
 HAC5A10 = "Did son have diabetes"
 HAC5A11 = "Did daughter have diabetes"
 HAC5A12 = "Did other relative have diabetes"
 HAC5B1 = "Did grandmother have heart attack"
 HAC5B2 = "Did grandfather have heart attack"
 HAC5B3 = "Did mother have heart attack"
 HAC5B4 = "Did father have heart attack"
 HAC5B5 = "Did sister have heart attack"
 HAC5B6 = "Did brother have heart attack"
 HAC5B7 = "Did aunt have heart attack"
 HAC5B8 = "Did uncle have heart attack"
 HAC5B9 = "Did cousin have heart attack"
 HAC5B10 = "Did son have heart attack"
 HAC5B11 = "Did daughter have heart attack"
 HAC5B12 = "Did other relative have heart attack"
 HAC6 = "Doctor told mother she had osteoporosis"
 HAC7 = "Did your bio mother ever fracture hip"
 HAC7A = "How many times mother fractured hip"
 HAC8 = "Age of mother at first hip fracture"
 HAD1 = "Ever been told you have sugar/diabetes"
 HAD2 = "Check item. Refer to sex of SP"
 HAD3 = "Were you pregnant when told had diabetes"
 HAD4 = "Other than pregnant, doctor told diabetes"
 HAD5R = "Age first told you had diabetes -- yrs"
 HAD6 = "Are you now taking insulin"
 HAD7S = "How often you take insulin - times/week"
 HAD8 = "On average, how many units per day taken"
 HAD9S = "How long have you taken insulin - months"
 HAD10 = "Are you now taking diabetes pills"
 HAD11AS = "How often check urine for sugar-times/mo"
 HAD11BS = "How often check blood for sugar-times/mo"
 HAD12S = "# days since last eye exam by doctor"
 HAD13S = "# days since eye exam w/ pupils dilated"
 HAD14 = "Ever had photographs taken of retina"
 HAD15 = "Ever told diabetes affected your eyes"
 HAE1 = "How long since doctor took blood press"
 HAE2 = "Doctor ever told had hypertension/HBP"
 HAE3 = "Told 2+ times you had hypertension/HBP"
 HAE4A = "Doctor told take prescribed med for HBP"
 HAE4B = "Doctor told control/lose weight for HBP"
 HAE4C = "Doctor told cut salt intake for HBP"
 HAE4D = "Doctor told do anything else for HBP"
 HAE4D1 = "Doctor told exercise more for HBP"
 HAE4D2 = "Doctor told restrict alcohol for HBP"
 HAE4D3 = "Doctor told stop smoking for HBP"
 HAE4D4 = "Doctor told reduce tension for HBP"

HAE4D5 = "Doctor told change diet for HBP"
 HAE4D6 = "Doctor told make other changes for HBP"
 HAE5A = "Now taking prescribed medicine for HBP"
 HAE5B = "Now controlling or losing weight for HBP"
 HAE5C = "Now using less salt or sodium for HBP"
 HAE5D1 = "Now exercising for high blood pressure"
 HAE5D2 = "Now restricting alcohol for HBP"
 HAE5D3 = "Now quit smoking for high blood pressure"
 HAE5D4 = "Now reduced tension for HBP"
 HAE5D5 = "Now made diet changes for HBP"
 HAE5D6 = "Now made other changes for HBP"
 HAE6 = "Ever had blood cholesterol checked"
 HAE7 = "Doctor told blood cholesterol level high"
 HAE8A = "Doctor told eat less fat for HBC"
 HAE8B = "Doctor told lose weight for HBC"
 HAE8C = "Doctor told exercise for HBC"
 HAE8D = "Doctor told take medicine for HBC"
 HAE9A = "Now eat less high fat foods for HBC"
 HAE9B = "Now losing weight to lower cholesterol"
 HAE9C = "Now exercising to lower cholesterol"
 HAE9D = "Take prescribed med to lower cholesterol"
 HAE10 = "Check item. Mark first applicable box"
 HAE11A = "On own for HBC, eat fewer high fat foods"
 HAE11B = "On own for HBC, controlled/lost weight"
 HAE11C = "On own for HBC, exercise more"
 HAF1 = "Ever had any pain or discomfort in chest"
 HAF2 = "Get chest pain when walk uphill or hurry"
 HAF3 = "Get chest pain if walk at ordinary pace"
 HAF4 = "What do if get chest pain while walking"
 HAF5 = "If stand still is chest pain relieved"
 HAF6 = "How soon is the chest pain relieved"
 HAF7A = "Where is pain/discomfort located -area 1"
 HAF7B = "Where is pain/discomfort located -area 2"
 HAF7C = "Where is pain/discomfort located -area 3"
 HAF7D = "Where is pain/discomfort located -area 4"
 HAF7E = "Where is pain/discomfort located -area 5"
 HAF7F = "Where is pain/discomfort located -area 6"
 HAF7G = "Where is pain/discomfort located -area 7"
 HAF7H = "Where is pain/discomfort located -area 8"
 HAF9 = "Ever had severe chest pain for half hr +"
 HAF10 = "Doctor ever told you had a heart attack"
 HAF11 = "How many heart attacks have you had"
 HAF12R = "Age when you had 1st heart attack -- yrs"
 HAF13R = "Age when had last heart attack -- yrs"
 HAF14 = "Get pain in either leg while walking"
 HAF15 = "Leg pain begin while stand still/sitting"
 HAF16 = "In what part of leg do you feel it"
 HAF17 = "Get leg pain when walk uphill or hurry"

HAF18 = "Get leg pain,walk at ordinary pace,level"
 HAF19 = "Leg pain ever disappear while walking"
 HAF20 = "If leg pain: stop walking or continue"
 HAF21 = "Is leg pain relieved if you stand still"
 HAF22 = "How soon is leg pain relieved"
 HAF23 = "Weak/paralysis on face,arm,leg for >5min"
 HAF24 = "Numbness etc,1 side face/body for >5 min"
 HAF25 = "Loss of vision in 1/both eyes for >5 min"
 HAF26 = "Severe dizziness for more than 5 minutes"
 HAF27 = "Problem with ability to speak/understand"
 HAG1 = "Check item. Refer to age of SP"
 HAG2 = "Ever had back pain most days for 1+ mo"
 HAG3 = "Have you had back pain in past 12 months"
 HAG4A = "What part of back is pain - area 1"
 HAG4B = "What part of back is pain - area 2"
 HAG4C = "What part of back is pain - area 3"
 HAG5A = "Doctor told you had broken/fractured hip"
 HAG5B = "Doctor told had broken/fractured wrist"
 HAG5C = "Doctor told had broken/fractured spine"
 HAG6A = "Number of times you fractured your hip"
 HAG6B = "Number of times fractured your wrist"
 HAG6C = "Number of times fractured your spine"
 HAG7 = "Check item. Refer to G5"
 HAG8A = "Site of fracture 1"
 HAG8B = "Site of fracture 2"
 HAG8C = "Site of fracture 3"
 HAG8D = "Site of fracture 4"
 HAG8E = "Site of fracture 5"
 HAG8F = "Site of fracture 6"
 HAG9AR = "Age when fractured ...- 1st time -- yrs"
 HAG9BR = "Age when fractured ...- 2nd time -- yrs"
 HAG9CR = "Age when fractured ...- 3rd time -- yrs"
 HAG9DR = "Age when fractured ...- 4th time -- yrs"
 HAG9ER = "Age when fractured ...- 5th time -- yrs"
 HAG9FR = "Age when fractured ...- 6th time -- yrs"
 HAG10A = "Fracture 1: low/hi fall or severe trauma"
 HAG10B = "Fracture 2: low/hi fall or severe trauma"
 HAG10C = "Fracture 3: low/hi fall or severe trauma"
 HAG10D = "Fracture 4: low/hi fall or severe trauma"
 HAG10E = "Fracture 5: low/hi fall or severe trauma"
 HAG10F = "Fracture 6: low/hi fall or severe trauma"
 HAG11 = "Doctor ever told you had osteoporosis"
 HAG12 = "Were you treated for osteoporosis"
 HAG13 = "Check item. Refer to age of SP"
 HAG14 = "# times fall on floor/object past 12 mo"
 HAG15 = "Fall cause broken bone, injury, med care"
 HAG16 = "Ever had hand pain most days for 6+ wks"
 HAG17A = "Pain, stiff right hand, joint 1"

HAG17B = "Pain, stiff right hand, joint 2"
 HAG17C = "Pain, stiff right hand, joint 3"
 HAG17D = "Pain, stiff right hand, joint 4"
 HAG17E = "Pain, stiff right hand, joint 5"
 HAG17F = "Pain, stiff right hand, joint 6"
 HAG17G = "Pain, stiff right hand, joint 7"
 HAG17H = "Pain, stiff right hand, joint 8"
 HAG17I = "Pain, stiff right hand, joint 9"
 HAG17J = "Pain, stiff right hand, joint 10"
 HAG17K = "Pain, stiff right hand, joint 11"
 HAG17L = "Pain, stiff right hand, joint 12"
 HAG17M = "Pain, stiff right hand, joint 13"
 HAG17N = "Pain, stiff right hand, joint 14"
 HAG17O = "Pain, stiff right hand, joint 15"
 HAG17FF = "Pain, stiff right hand, joint 32"
 HAG17P = "Pain, stiff left hand, joint 16"
 HAG17Q = "Pain, stiff left hand, joint 17"
 HAG17R = "Pain, stiff left hand, joint 18"
 HAG17S = "Pain, stiff left hand, joint 19"
 HAG17T = "Pain, stiff left hand, joint 20"
 HAG17U = "Pain, stiff left hand, joint 21"
 HAG17V = "Pain, stiff left hand, joint 22"
 HAG17W = "Pain, stiff left hand, joint 23"
 HAG17X = "Pain, stiff left hand, joint 24"
 HAG17Y = "Pain, stiff left hand, joint 25"
 HAG17Z = "Pain, stiff left hand, joint 26"
 HAG17AA = "Pain, stiff left hand, joint 27"
 HAG17BB = "Pain, stiff left hand, joint 28"
 HAG17CC = "Pain, stiff left hand, joint 29"
 HAG17DD = "Pain, stiff left hand, joint 30"
 HAG17EE = "Pain, stiff left hand, joint 31"
 HAG18 = "Swelling in hands...most days for 6+ wks"
 HAG19A = "Swelling in right hand, joint 1"
 HAG19B = "Swelling in right hand, joint 2"
 HAG19C = "Swelling in right hand, joint 3"
 HAG19D = "Swelling in right hand, joint 4"
 HAG19E = "Swelling in right hand, joint 5"
 HAG19F = "Swelling in right hand, joint 6"
 HAG19G = "Swelling in right hand, joint 7"
 HAG19H = "Swelling in right hand, joint 8"
 HAG19I = "Swelling in right hand, joint 9"
 HAG19J = "Swelling in right hand, joint 10"
 HAG19K = "Swelling in right hand, joint 11"
 HAG19L = "Swelling in right hand, joint 12"
 HAG19M = "Swelling in right hand, joint 13"
 HAG19N = "Swelling in right hand, joint 14"
 HAG19O = "Swelling in right hand, joint 15"
 HAG19FF = "Swelling in right hand, joint 32"

HAG19P = "Swelling in left hand, joint 16"
 HAG19Q = "Swelling in left hand, joint 17"
 HAG19R = "Swelling in left hand, joint 18"
 HAG19S = "Swelling in left hand, joint 19"
 HAG19T = "Swelling in left hand, joint 20"
 HAG19U = "Swelling in left hand, joint 21"
 HAG19V = "Swelling in left hand, joint 22"
 HAG19W = "Swelling in left hand, joint 23"
 HAG19X = "Swelling in left hand, joint 24"
 HAG19Y = "Swelling in left hand, joint 25"
 HAG19Z = "Swelling in left hand, joint 26"
 HAG19AA = "Swelling in left hand, joint 27"
 HAG19BB = "Swelling in left hand, joint 28"
 HAG19CC = "Swelling in left hand, joint 29"
 HAG19DD = "Swelling in left hand, joint 30"
 HAG19EE = "Swelling in left hand, joint 31"
 HAG20 = "Stiff hands in morn most days for 6+ wks"
 HAG21 = "How long does morning stiffness last"
 HAG22 = "Ever have knee pain most days for 6+ wks"
 HAG23 = "Have pain in right, left, or both knees"
 HAG24 = "Does knee hurt at rest as well as moving"
 HAG25 = "Swelling in knees...most days for 6+ wks"
 HAG26 = "Swelling in right, left, or both knees"
 HAG27 = "Stiff knees in morn most days for 6+ wks"
 HAG28 = "Stiffness in right, left, or both knees"
 HAG29 = "How long morning knee stiffness last"
 HAG30 = "Ever had hip pain most days for 6+ weeks"
 HAG31 = "Have pain in right, left, or both hips"
 HAG32 = "Doctor ever told you had hip dysplasia"
 HAG33 = "Doctor ever told you had scoliosis"
 HAG34 = "Do you have chronic limp (lasted >3 mo)"
 HAH1 = "Difficulty walking a quarter of a mile"
 HAH2 = "Difficulty walking 10 steps without rest"
 HAH3 = "Difficulty stooping, crouching, kneeling"
 HAH4 = "Difficulty lifting or carrying 10 pounds"
 HAH5 = "Difficulty doing chores around the house"
 HAH6 = "Difficulty preparing own meals"
 HAH7 = "Difficulty managing your money"
 HAH8 = "Difficulty walking room to room, 1 level"
 HAH9 = "Difficulty standing from armless chair"
 HAH10 = "Difficulty getting in or out of bed"
 HAH11 = "Difficulty eating"
 HAH12 = "Difficulty dressing yourself"
 HAH13 = "Need help with personal care needs"
 HAH14 = "Need help in handling routine needs"
 HAH15 = "Use device to help get around: cane, etc"
 HAH16 = "Do you use any special eating utensils"
 HAH17 = "Use aids or devices to help you dress"

HAJ0 = "Check item. Refer to age of SP"
 HAJ1 = "Pain in area in diagram in past 12 mo"
 HAJ2A = "Most uncomfortable pain located - area 1"
 HAJ2B = "Most uncomfortable pain located - area 2"
 HAJ2C = "Most uncomfortable pain located - area 3"
 HAJ3S = "Past 12 mo, longest episode of pain -min"
 HAJ4 = "How many days had pain in past 12 months"
 HAJ5 = "Was pain continuous or did come and go"
 HAJ6 = "If moved around,hurt more/less/no differ"
 HAJ7 = "Ever seen doctor about this pain"
 HAJ8 = "What did the doctor say caused the pain"
 HAJ9 = "Doctor ever told you had gallstones"
 HAJ10 = "Reason visit doctor when told gallstones"
 HAJ11 = "Gallstone medical treatment, not surgery"
 HAJ12 = "Have you ever had gallbladder surgery"
 HAJ13 = "Age when you had gallbladder surgery"
 HAJ14 = "Check item. Refer to J8, J10, and J12"
 HAJ15 = "Pain continue after gallbladder surgery"
 HAJ16 = "Doctor ever told you had gallstones"
 HAJ17 = "Have you ever had gallbladder surgery"
 HAJ18R = "Age when had gallbladder surgery -- yrs"
 HAK1 = "Have you ever had kidney stones"
 HAK2 = "How many times you passed a kidney stone"
 HAK3A = "Ever had medication for kidney stones"
 HAK3A1 = "Age had first kidney stone medication"
 HAK3B = "Ever had lithotripsy for kidney stones"
 HAK3B1R = "Age you had first lithotripsy-recode"
 HAK3C = "Ever had surgery to remove kidney stones"
 HAK3C1R = "Age 1st surgery for kidney stones-recode"
 HAK4 = "# times had bladder infection"
 HAK5 = "# of bladder infections in past 12 mos"
 HAK6 = "Symptoms of bladder infection for >3 mo"
 HAK7 = "Interstitial cystitis or painful bladder"
 HAK8 = "Age 1st had inter.cystitis/painful blad."
 HAK9 = "# times per night you get up to urinate"
 HAK10 = "When urinate,feel like bladder not empty"
 HAK11 = "Usually have trouble starting to urinate"
 HAK12 = "Check item. Refer to sex and age of SP"
 HAK13 = "Has urinary stream decreased over years"
 HAK14 = "Ever had non-cancer prostate surgery"
 HAL1 = "Cough most days, 3+ consecutive mo in yr"
 HAL2 = "How many years have you had this cough"
 HAL3 = "Bring up phlegm, 3+ consecutive mo in yr"
 HAL4 = "How many years had trouble with phlegm"
 HAL5 = "Shortness of breath, hurry/walk up hill"
 HAL6 = "Had wheezing,whistle in chest past 12 mo"
 HAL7 = "# episodes,wheezing/whistling past 12 mo"
 HAL8 = "# times in hospital, wheezing, past 12mo"

HAL9 = "# times to doctor/ER, wheezing,past 12mo"
 HAL10 = "No cold but chest sounds wheezy/whistles"
 HAL11A = "Stuffy, itchy, or runny nose, past 12 mo"
 HAL11B = "Watery, itchy eyes in past 12 months"
 HAL12 = "# episodes itchy...nose/eyes, past 12 mo"
 HAL13 = "Check item. Refer to L6 - L11"
 HAL14A = "Symptoms brought on by:exercise/cold air"
 HAL14B = "Symptoms brought on by: animals"
 HAL14C = "Symptoms brought on by: house dust"
 HAL14D = "Symptoms brought on by: work environment"
 HAL14E = "Symptoms brought on by: pollen"
 HAL15A = "Month pollen symptoms worse: all months"
 HAL15B = "Month pollen symptoms worse: January"
 HAL15C = "Month pollen symptoms worse: February"
 HAL15D = "Month pollen symptoms worse: March"
 HAL15E = "Month pollen symptoms worse: April"
 HAL15F = "Month pollen symptoms worse: May"
 HAL15G = "Month pollen symptoms worse: June"
 HAL15H = "Month pollen symptoms worse: July"
 HAL15I = "Month pollen symptoms worse: August"
 HAL15J = "Month pollen symptoms worse: September"
 HAL15K = "Month pollen symptoms worse: October"
 HAL15L = "Month pollen symptoms worse: November"
 HAL15M = "Month pollen symptoms worse: December"
 HAL16A = "Severe reaction from insect sting"
 HAL16B = "Severe reaction < one hour after eating"
 HAL17 = "Severe reaction after allergy shot/test"
 HAL18 = "Ever give up/avoid pet due to allergies"
 HAL19A = "In past 12 months had: cold or flu"
 HAL19B = "In past 12 mo had: sinusitis/sinus prob"
 HAL19C = "In past 12 months had: pneumonia"
 HAL20A = "# episodes in past 12 month: cold or flu"
 HAL20B = "# episodes in past 12 months: sinusitis"
 HAL20C = "# episodes in past 12 months: pneumonia"
 HAM1 = "Check item. Refer to age of SP"
 HAM2 = "Receive meals from senior program"
 HAM3 = "Are senior meals delivered to your home"
 HAM4 = "How often do you eat breakfast"
 HAM5S = "How tall are you without shoes - inches"
 HAM6S = "How much do you weigh w/out clothes -lbs"
 HAM7 = "Check item. Refer to age of SP"
 HAM8S = "How much did you weigh 10 years ago -lbs"
 HAM9S = "How much did you weigh at age 25 - lbs"
 HAM10S = "Up to present time,most ever weighed-lbs"
 HAM11 = "Consider self over/under/right weight"
 HAM12 = "Would you like to weigh more,less,same"
 HAM13 = "Tried to lose weight in past 12 months"
 HAM14 = "Past 12 mo, changed what eat, med reason"

HAM15A = "Medical reason to change eating: obesity"
 HAM15B = "Medical reason to change eating: high BP"
 HAM15C = "Med reason to change eating: cholesterol"
 HAM15D = "Medical reason to change eating:diabetes"
 HAM15E = "Med reason change eating: heart disease"
 HAM15F = "Medical reason to change eating: allergy"
 HAM15G = "Medical reason to change eating: ulcer"
 HAM15H = "Med reason to change eating:other reason"
 HAM15K = "Med reason to change eating: pregnancy"
 HAM15L = "Med reason to change eating: arthritis"
 HAM15M = "Med reason to change eating: back pain"
 HAM15N = "Med reason change eating:stomach/gastric"
 HAM15O = "Med reason change eating: cancer/tumors"
 HAM15P = "Med reason change eat: dental/oral probs"
 HAM15Q = "Med reason to change eating:constipation"
 HAM15R = "Med reason change eat: gallstone/bladder"
 HAM15S = "Med reason change eat: intestinal probs"
 HAM15T = "Medical reason to change eating: hernia"
 HAM15U = "Medical reason to change eating: anemia"
 HAM15V = "Medical reason to change eating: stroke"
 HAM15W = "Med reason change eating: psychological"
 HAM15X = "Med to change eating:infections/viruses"
 HAM15Y = "Medical reason to change eating: dietary"
 HAM15Z = "Med reason to change eat: general health"
 HAN1AS = "Chocolate milk and hot cocoa - times/mo"
 HAN1BS = "Milk to drink or on cereal - times/month"
 HAN1C = "Question 1a check item, used in skip"
 HAN1D = "What type of milk - whole, 2%, 1%, skim"
 HAN1ES = "Yogurt and frozen yogurt - times/month"
 HAN1FS = "Ice cream,ice milk,milkshakes - times/mo"
 HAN1GS = "Cheese, all types - times/month"
 HAN1HS = "Pizza, calzone, lasagna - times/month"
 HAN1IS = "Cheese dishes - times/month"
 HAN2AS = "Stew or soup with vegetables - times/mo"
 HAN2BS = "Spaghetti/pasta w/ tomato sauce-times/mo"
 HAN2CS = "Bacon/sausage/processed meats - times/mo"
 HAN2DS = "Liver and other organ meats - times/mo"
 HAN2ES = "Beef - times/month"
 HAN2FS = "Pork and ham - times/month"
 HAN2GS = "Shrimp, clams, etc - times/mo"
 HAN2HS = "Fish - times/month"
 HAN2IS = "Chicken and turkey - times/month"
 HAN2JS = "Eggs - times/month"
 HAN3AS = "Orange juice, etc - times/month"
 HAN3BS = "Other fruit juices - times/month"
 HAN3CS = "Citrus fruits - times/month"
 HAN3DS = "Melons - times/month"
 HAN3ES = "Peaches, nectarines, etc - times/month"

HAN3FS = "Any other fruits - times/month"
 HAN4AS = "Carrots - times/month"
 HAN4BS = "Broccoli - times/month"
 HAN4CS = "Brussel sprouts/cauliflower - times/mo"
 HAN4DS = "White potatoes - times/month"
 HAN4ES = "Sweet potatoes, yams, etc - times/month"
 HAN4FS = "Tomatoes - times/month"
 HAN4GS = "Spinach, greens, etc - times/month"
 HAN4HS = "Tossed salad - times/month"
 HAN4IS = "Cabbage, cole slaw, sauerkraut-times/mo"
 HAN4JS = "Hot red chili peppers - times/month"
 HAN4KS = "Other peppers - times/month"
 HAN4LS = "Any other vegetables - times/month"
 HAN5AS = "Beans, lentils, chickpeas - times/month"
 HAN5BS = "Peanuts, peanut butter, etc - times/mo"
 HAN5CS = "Cereals: All-Bran, etc - times/month"
 HAN5DS = "Cereals: Total, etc - times/month"
 HAN5ES = "All other cold cereals - times/month"
 HAN5FS = "Cooked, hot cereals - times/month"
 HAN5GS = "White bread, rolls, etc - times/month"
 HAN5HS = "Dark breads and rolls - times/month"
 HAN5IS = "Corn bread, muffins, tortillas-times/mo"
 HAN5JS = "Flour tortillas - times/month"
 HAN5KS = "Rice - times/month"
 HAN5LS = "Salted snacks - times/month"
 HAN6AS = "Cakes, cookies, brownies, etc - times/mo"
 HAN6BS = "Chocolate candy and fudge - times/month"
 HAN6CS = "Hi-C, Tang, Koolaid, etc - times/month"
 HAN6DS = "Diet colas, diet sodas, etc - times/mo"
 HAN6ES = "Regular colas and sodas - times/month"
 HAN6FS = "Regular coffee - times/month"
 HAN6GS = "Regular tea - times/month"
 HAN6HS = "Beer and lite beer - times/month"
 HAN6IS = "Wine, etc - times/month"
 HAN6JS = "Hard liquor - times/month"
 HAN7AS = "Margarine - times/month"
 HAN7BS = "Butter - times/month"
 HAN7CS = "Oil/vinegar, mayonnaise, etc - times/mo"
 HAN8 = "Have I missed any foods/bev?"
 HAN8ACD = "1st other food or beverage - specified"
 HAN8AS = "1st other food or beverage - times/month"
 HAN8BCD = "2nd other food or beverage - specified"
 HAN8BS = "2nd other food or beverage - times/month"
 HAN8CCD = "3rd other food or beverage - specified"
 HAN8CS = "3rd other food or beverage - times/month"
 HAN8DCD = "4th other food or beverage - specified"
 HAN8DS = "4th other food or beverage - times/month"
 HAN8ECD = "5th other food or beverage - specified"

HAN8ES = "5th other food or beverage - times/month"
 HAN8FCD = "6th other food or beverage - specified"
 HAN8FS = "6th other food or beverage - times/month"
 HAN9 = "Check item. Refer to age of SP"
 HAN10A = "How often drink milk when child (5-12)"
 HAN10B = "How often drnk milk when teenager(13-17)"
 HAN10C = "How often drink milk, young adult(18-35)"
 HAN10D = "How often drnk milk,mid-age adult(36-65)"
 HAN10E = "How often drink milk,older adult(over65)"
 HAP1 = "Have total blindness in one or both eyes"
 HAP1A = "Total blindness in 1 eye or in both eyes"
 HAP2 = "Do you use glasses, contacts, or both"
 HAP3 = "Trouble seeing w/one/both eyes w/glasses"
 HAP4 = "W/glasses recognize friend across street"
 HAP5 = "W/ glasses recognize friend across room"
 HAP6 = "W/ glasses recognize friend arms length"
 HAP7 = "W/glasses recognize friend face,close up"
 HAP8 = "W/ glasses see enough to read news print"
 HAP9 = "W/ glasses see enough to read headlines"
 HAP10 = "Have total deafness in one or both ears"
 HAP10A = "Total deafness in 1 ear or in both ears"
 HAP11 = "Do you use a hearing aid"
 HAP12 = "Have trouble hearing even w/hearing aid"
 HAP13 = "W/ aid can hear most things people say"
 HAP14 = "W/aid can hear only few words/loud noise"
 HAP15 = "Difficulty using phone, hearing problems"
 HAP16 = "Check item. Refer to age of SP"
 HAP17A1 = "Repeat item: 'apple' (first trial)"
 HAP17A2 = "Repeat item: 'table' (first trial)"
 HAP17A3 = "Repeat item: 'penny' (first trial)"
 HAP17B = "Number of trials until objects learned"
 HAP18A = "Dollars left: have \$20 and take away \$3"
 HAP18B = "Dollars left: subtract \$3 from \$17"
 HAP18C = "Dollars left: subtract \$3 from \$14"
 HAP18D = "Dollars left: subtract \$3 from \$11"
 HAP18E = "Dollars left: subtract \$3 from \$8"
 HAP19A = "Repeat item: 'apple' (second trial)"
 HAP19B = "Repeat item: 'table' (second trial)"
 HAP19C = "Repeat item: 'penny' (second trial)"
 HAQ1 = "Describe natural teeth: excellent...poor"
 HAQ2A = "Dental care needed:teeth filled/replaced"
 HAQ2B = "Dental care needed: teeth pulled"
 HAQ2C = "Dental care needed: gum treatment"
 HAQ2D = "Dental care needed: denture work"
 HAQ2E = "Dental care needed: relief of pain"
 HAQ2F = "Dental care needed:to improve appearance"
 HAQ2G = "Dental care needed: other"
 HAQ2I = "Dental care needed: nothing"

HAQ2K = "Dental care needed: cleaning"
 HAQ2L = "Dental care needed: checkup"
 HAQ3S = "# days ago last visit dentist/hygienist"
 HAQ4 = "How often do you go to dentist/hygienist"
 HAQ5 = "Past 12 mo,had cold sores/fever blisters"
 HAQ6 = "Past 12 months, had canker/mouth sores"
 HAQ7 = "Check item. Refer to age of SP"
 HAQ8 = "Ever received orthodontic treatment"
 HAQ9 = "Age started recent orthodontic treatment"
 HAR1 = "Have you smoked 100+ cigarettes in life"
 HAR2 = "Age when you started smoking regularly"
 HAR3 = "Do you smoke cigarettes now"
 HAR4S = "# cigarettes smoked per day"
 HAR5 = "How many yrs have you smoked this amount"
 HAR6 = "Ever period of 1+ years when smoked more"
 HAR7S = "# cigarettes per day when smoking most"
 HAR8 = "How many years did you smoke that amount"
 HAR9 = "Ever quit smoking for one year or longer"
 HAR10 = "How many years not smoked since started"
 HAR11R = "Age last smoke cigarettes reg -- yrs"
 HAR12S = "# cigarettes smoked per day at that time"
 HAR13 = "Quit smoking,health problem from smoking"
 HAR14 = "Ever used chewing tobacco or snuff"
 HAR15 = "Age 1st use chew tobacco/snuff regularly"
 HAR16 = "Do you use chewing tobacco or snuff now"
 HAR17 = "Which - chewing tobacco or snuff"
 HAR18AS = "# containers of snuff used per week"
 HAR18BS = "# containers of chewing tobacco per week"
 HAR19A = "Place in right, left, or front of mouth"
 HAR19B = "Place in top or bottom of mouth"
 HAR20R = "Age last use chew tob/snuf reg -- yrs"
 HAR21 = "Which used, chewing tobacco or snuff"
 HAR22 = "Quit chew/snuff, related health problem"
 HAR23 = "Ever smoke at least 20 cigars in life"
 HAR24 = "Do you now smoke cigars"
 HAR25 = "How many cigars do you smoke per day"
 HAR26 = "Ever smoke 20 pipes of tobacco in life"
 HAR27 = "Do you now smoke a pipe"
 HAR28 = "How many pipefuls tobacco smoke per day"
 HAS1 = "Past 2 wks, did you work at job/business"
 HAS2 = "Past 2 weeks, did you have job/business"
 HAS3 = "Looking for work or on layoff from job"
 HAS4 = "Which, looking for work or on layoff"
 HAS5 = "Check item. Refer to S2"
 HAS8R = "What kind of business or industry -- rcd"
 HAS9R = "What kind of work were you doing -- rcd"
 HAS11 = "Class of worker"
 HAS12S = "How long in months worked at that job"

HAS13 = "Check item. Refer to S1 and S2"
 HAS14 = "At work, hours per day can smell smoking"
 HAS15 = "In job, ever wear protective equipment"
 HAS16A = "Ever wear eye protection"
 HAS16B = "Ever wear protective gloves"
 HAS16C = "Ever wear dust mask"
 HAS16D = "Ever wear respirator"
 HAS17 = "What kind of work were you doing longest"
 HAS17R = "What kind of work doing longest -- rcd"
 HAS18 = "How long this kind of work-all employers"
 HAS19 = "What business/industry worked in longest"
 HAS19R = "Business/industry worked in longest--rcd"
 HAS21 = "Check item. Refer to S1 and S12"
 HAS22 = "What were you doing most of past 12 mo"
 HAS23 = "Limited in work by health problem"
 HAS24 = "Limited in housework by health problem"
 HAS25 = "Limited in activities by health problem"
 HAS26 = "Ever change work/housework, health prob"
 HAS27A = "Did you change permanently to easier job"
 HAS27B = "Did you change temporarily to easier job"
 HAS27C = "Did you cut down to part-time work only"
 HAS27D = "Did you have to stop work for few months"
 HAS27E = "Did you retire because of a disability"
 HAS27F = "Did you have to cut down on housework"
 HAS27G = "Did you stop doing all housework"
 HAS27H = "Did you make some other change"
 HAS27HCD = "Other specify - coded"
 HAS28 = "Language you mainly speak at home"
 HAS29 = "Language you mainly speak at work/school"
 HAT1S = "Past mo,how often walk mile without stop"
 HAT1MET = "Walking activity - intensity rating"
 HAT2 = "In the past month, did you jog or run"
 HAT2MET = "Jog or run activity - intensity rating"
 HAT3S = "Past month, how often did you jog or run"
 HAT4 = "Past mo, ride bicycle/exercise bicycle"
 HAT4MET = "Bicycle activity - intensity rating"
 HAT5S = "Past mo, how often ride bike/exer bike"
 HAT6 = "In the past month did you swim"
 HAT6MET = "Swim activity - intensity rating"
 HAT7S = "Past month, how often did you swim"
 HAT8 = "Past mo, do aerobics or aerobic dancing"
 HAT8MET = "Aerobics activity - intensity rating"
 HAT9S = "Past mo, how often did aerobics/dancing"
 HAT10 = "Past month, did you do other dancing"
 HAT10MET = "Other dancing activity -intensity rating"
 HAT11S = "Past month, how often did other dancing"
 HAT12 = "Past month, do calisthenics or exercises"
 HAT12MET = "Calisthenics activity - intensity rating"

HAT13S = "Past mo, how often did calisthenics/exer"
HAT14 = "Past month, did you do garden/yard work"
HAT14MET = "Garden/yard activity - intensity rating"
HAT15S = "Past mo, how often did garden/yard work"
HAT16 = "In the past month, did you lift weights"
HAT16MET = "Lift weights activity - intensity rating"
HAT17S = "Past mo, how often did you lift weights"
HAT18 = "Past mo, any other exercises, sports ..."
HAT19CD = "PROBE: What - coded"
HAT19MET = "Other activity - intensity rating"
HAT20S = "Past mo, how often did other activity"
HAT21CD = "PROBE: Any others - coded (activity 2)"
HAT21MET = "Other activity 2 - intensity rating"
HAT22S = "Past mo, how often did other activity 2"
HAT23CD = "PROBE: Any others - coded (activity 3)"
HAT23MET = "Other activity 3 - intensity rating"
HAT24S = "Past mo, how often did other activity 3"
HAT25CD = "PROBE: Any others - Coded (activity 4)"
HAT25MET = "Other activity 4 - intensity rating"
HAT26S = "Past mo, how often did other activity 4"
HAT27 = "Compare activity for past mo to past yr"
HAT28 = "Active compared with men/women your age"
HAT29 = "Check item. Refer to age of SP"
HAT30 = "Active now compared with self 10 yrs ago"
HAV1S = "# times/week on phone w/ family, friends"
HAV2S = "How often per yr together w/friends/rels"
HAV3S = "How often per year you visit w/neighbors"
HAV4S = "How often per yr attend church/services"
HAV5 = "Do you belong to any clubs or groups"
HAV6S = "How often per year attend club meetings"
HAV7R = "Weeks lived at this address -- recode"
HAV8 = "How long lived in this city/town/area"
HAV9 = "Have you lived anywhere longer than here"
HAV10R = "Where did you live longest -- recode"
HAV11 = "How long did you live in longest place"
HAV12R = "Where were you born -- recode"
HAV13R = "If not born US, how long lived US -- yrs"
HAX1A = "Taken vitamins/minerals in past month"
HAX1B = "Taken prescriptn medicines in past month"
HAX1C = "Taken antacids in past month"
HAX2A = "How many vitamins/minerals taken"
HAX2B = "How many prescription medicines taken"
HAX2C = "How many antacids taken"
HAX3CG = "Certainty index code-1st"
HAX3DG = "Product class-1st"
HAX6SG = "How often did you take in past month-1st"
HAX8SG = "How long been taking (month)-1st"
HAX3CH = "Certainty index code-2nd"

HAX3DH = "Product class-2nd"
HAX6SH = "How often did you take in past month-2nd"
HAX8SH = "How long been taking (month)-2nd"
HAX3CI = "Certainty index code-3rd"
HAX3DI = "Product class-3rd"
HAX6SI = "How often did you take in past month-3rd"
HAX8SI = "How long been taking (month)-3rd"
HAX3CJ = "Certainty index code-4th"
HAX3DJ = "Product class-4th"
HAX6SJ = "How often did you take in past month-4th"
HAX8SJ = "How long been taking (month)-4th"
HAX3CK = "Certainty index code-5th"
HAX3DK = "Product class-5th"
HAX6SK = "How often did you take in past month-5th"
HAX8SK = "How long been taking (month)-5th"
HAX3CL = "Certainty index code-6th"
HAX3DL = "Product class-6th"
HAX6SL = "How often did you take in past month-6th"
HAX8SL = "How long been taking (month)-6th"
HAX3CM = "Certainty index code-7th"
HAX3DM = "Product class-7th"
HAX6SM = "How often did you take in past month-7th"
HAX8SM = "How long been taking (month)-7th"
HAX3CN = "Certainty index code-8th"
HAX3DN = "Product class-8th"
HAX6SN = "How often did you take in past month-8th"
HAX8SN = "How long been taking (month)-8th"
HAX3CO = "Certainty index code-9th"
HAX3DO = "Product class-9th"
HAX6SO = "How often did you take in past month-9th"
HAX8SO = "How long been taking (month)-9th"
HAX3CP = "Certainty index code-10th"
HAX3DP = "Product class-10th"
HAX6SP = "How often did you take in past mnth-10th"
HAX8SP = "How long been taking (month)-10th"
HAX3CQ = "Certainty index code-11th"
HAX3DQ = "Product class-11th"
HAX6SQ = "How often did you take in past mnth-11th"
HAX8SQ = "How long been taking (month)-11th"
HAX3CR = "Certainty index code-12th"
HAX3DR = "Product class-12th"
HAX6SR = "How often did you take in past mnth-12th"
HAX8SR = "How long been taking (month)-12th"
HAX3CS = "Certainty index code-13th"
HAX3DS = "Product class-13th"
HAX6SS = "How often did you take in past mnth-13th"
HAX8SS = "How long been taking (month)-13th"
HAX3CT = "Certainty index code-14th"

HAX3DT = "Product class-14th"
HAX6ST = "How often did you take in past mnth-14th"
HAX8ST = "How long been taking (month)-14th"
HAX3CU = "Certainty index code-15th"
HAX3DU = "Product class-15th"
HAX6SU = "How often did you take in past mnth-15th"
HAX8SU = "How long been taking (month)-15th"
HAX3CV = "Certainty index code-16th"
HAX3DV = "Product class-16th"
HAX6SV = "How often did you take in past mnth-16th"
HAX8SV = "How long been taking (month)-16th"
HAX3CW = "Certainty index code-17th"
HAX3DW = "Product class-17th"
HAX6SW = "How often did you take in past mnth-17th"
HAX8SW = "How long been taking (month)-17th"
HAX9DG = "Primary drug class code-1st"
HAX9EG = "Secondary drug class code-1st"
HAX9FG = "Tertiary drug class code-1st"
HAX11AG = "ICD-9-CM code-1st"
HAX12SG = "For how long been taking (days)-1st"
HAX9DH = "Primary drug class code-2nd"
HAX9EH = "Secondary drug class code-2nd"
HAX9FH = "Tertiary drug class code-2nd"
HAX11AH = "ICD-9-CM code-2nd"
HAX12SH = "For how long been taking (days)-2nd"
HAX9DI = "Primary drug class code-3rd"
HAX9EI = "Secondary drug class code-3rd"
HAX9FI = "Tertiary drug class code-3rd"
HAX11AI = "ICD-9-CM code-3rd"
HAX12SI = "For how long been taking (days)-3rd"
HAX9DJ = "Primary drug class code-4th"
HAX9EJ = "Secondary drug class code-4th"
HAX9FJ = "Tertiary drug class code-4th"
HAX11AJ = "ICD-9-CM code-4th"
HAX12SJ = "For how long been taking (days)-4th"
HAX9DK = "Primary drug class code-5th"
HAX9EK = "Secondary drug class code-5th"
HAX9FK = "Tertiary drug class code-5th"
HAX11AK = "ICD-9-CM code-5th"
HAX12SK = "For how long been taking (days)-5th"
HAX9DL = "Primary drug class code-6th"
HAX9EL = "Secondary drug class code-6th"
HAX9FL = "Tertiary drug class code-6th"
HAX11AL = "ICD-9-CM code-6th"
HAX12SL = "For how long been taking (days)-6th"
HAX9DM = "Primary drug class code-7th"
HAX9EM = "Secondary drug class code-7th"
HAX9FM = "Tertiary drug class code-7th"

HAX11AM = "ICD-9-CM code-7th"
HAX12SM = "For how long been taking (days)-7th"
HAX9DN = "Primary drug class code-8th"
HAX9EN = "Secondary drug class code-8th"
HAX9FN = "Tertiary drug class code-8th"
HAX11AN = "ICD-9-CM code-8th"
HAX12SN = "For how long been taking (days)-8th"
HAX9DO = "Primary drug class code-9th"
HAX9EO = "Secondary drug class code-9th"
HAX9FO = "Tertiary drug class code-9th"
HAX11AO = "ICD-9-CM code-9th"
HAX12SO = "For how long been taking (days)-9th"
HAX9DP = "Primary drug class code-10th"
HAX9EP = "Secondary drug class code-10th"
HAX9FP = "Tertiary drug class code-10th"
HAX11AP = "ICD-9-CM code-10th"
HAX12SP = "For how long been taking (days)-10th"
HAX9DQ = "Primary drug class code-11th"
HAX9EQ = "Secondary drug class code-11th"
HAX9FQ = "Tertiary drug class code-11th"
HAX11AQ = "ICD-9-CM code-11th"
HAX12SQ = "For how long been taking (days)-11th"
HAX9DR = "Primary drug class code-12th"
HAX9ER = "Secondary drug class code-12th"
HAX9FR = "Tertiary drug class code-12th"
HAX11AR = "ICD-9-CM code-12th"
HAX12SR = "For how long been taking (days)-12th"
HAX9DS = "Primary drug class code-13th"
HAX9ES = "Secondary drug class code-13th"
HAX9FS = "Tertiary drug class code-13th"
HAX11AS = "ICD-9-CM code-13th"
HAX12SS = "For how long been taking (days)-13th"
HAX9DT = "Primary drug class code-14th"
HAX9ET = "Secondary drug class code-14th"
HAX9FT = "Tertiary drug class code-14th"
HAX11AT = "ICD-9-CM code-14th"
HAX12ST = "For how long been taking (days)-14th"
HAX9DU = "Primary drug class code-15th"
HAX9EU = "Secondary drug class code-15th"
HAX9FU = "Tertiary drug class code-15th"
HAX11AU = "ICD-9-CM code-15th"
HAX12SU = "For how long been taking (days)-15th"
HAX9DV = "Primary drug class code-16th"
HAX9EV = "Secondary drug class code-16th"
HAX9FV = "Tertiary drug class code-16th"
HAX11AV = "ICD-9-CM code-16th"
HAX12SV = "For how long been taking (days)-16th"
HAX13AG = "Antacid identification code-1st"

HAX15SG = "How often did you take in past month-1st"
 HAX16AG = "How much did you take ea time (quan)-1st"
 HAX16A1G = "How much did you take ea time (unit)-1st"
 HAX17SG = "How long been taking (months)-1st"
 HAX13AH = "Antacid identification code-2nd"
 HAX15SH = "How often did you take in past month-2nd"
 HAX16AH = "How much did you take ea time (quan)-2nd"
 HAX16A1H = "How much did you take ea time (unit)-2nd"
 HAX17SH = "How long been taking (months)-2nd"
 HAX13AI = "Antacid identification code-3rd"
 HAX15SI = "How often did you take in past month-3rd"
 HAX16AI = "How much did you take ea time (quan)-3rd"
 HAX16A1I = "How much did you take ea time (unit)-3rd"
 HAX17SI = "How long been taking (months)-3rd"
 HAX13AJ = "Antacid identification code-4th"
 HAX15SJ = "How often did you take in past month-4th"
 HAX16AJ = "How much did you take ea time (quan)-4th"
 HAX16A1J = "How much did you take ea time (unit)-4th"
 HAX17SJ = "How long been taking (months)-4th"
 HAX18A = "Taken aspirin, etc. in past month"
 HAX19AS = "How often did you take in past month"
 HAX18B = "Taken acetaminophen, etc. in past month"
 HAX19BS = "How often did you take in past month"
 HAX18C = "Taken ibuprofen, etc. in past month"
 HAX19CS = "How often did you take in past month"
 HAX18D = "Taken other pain rel. in past month-1st"
 HAX18DB = "Other pain rel. product type-1st"
 HAX19DS = "How often did you take in past month-1st"
 HAX18E = "Taken other pain rel. in past month-2nd"
 HAX18EB = "Other pain rel. product type-2nd"
 HAX19ES = "How often did you take in past month-2nd"
 HAX18F = "Taken other pain rel. in past month-3rd"
 HAX18FB = "Other pain rel. product type-3rd"
 HAX19FS = "How often did you take in past month-3rd"
 HAX18G = "Taken other pain rel. in past month-4th"
 HAX18GB = "Other pain rel. product type-4th"
 HAX19GS = "How often did you take in past month-4th"
 HAY6 = "Main respondent for household adult quex"
 HAY7 = "Reason for accepting proxy respondent"
 HAY8 = "Was SP present during any of interview"
 HAY9 = "Anyone else present during interview"
 HAY10 = "Quality of interview"
 HAY11A = "Observed SP: in bed"
 HAY11B = "Observed SP: in wheelchair"
 HAY11C = "Observed SP: uses cane, crutches, or walker"
 HAY11D = "Observed SP: walks slowly or shuffles"
 HAY11E = "Observed SP: paralysis in hands or legs"
 HAY11F = "Observed SP: hearing impairment"

HAY11G = "Observe SP:speech problems(not language)"
 HAY11H = "Observed SP: coughs continuously"
 HAY11I = "Observed SP: dressed in street clothes"
 HAY11J = "Observed SP:overweight, average, or thin"
 HAZA1 = "Any medical reason procedure not be done"
 HAZA1A = "Med reason BP not taken(survey years4-6)"
 HAZA1CC = "Med reason BP not taken - other(yrs 5-6)"
 HAZA2 = "Have you consumed food, etc last 30 min"
 HAZA2A1 = "Have you consumed food in last 30 min"
 HAZA2A2 = "Have you consumed alcohol in last 30 min"
 HAZA2A3 = "Have you consumed coffee in last 30 min"
 HAZA2A4 = "Have you smoked cigarettes last 30 min"
 HAZA3 = "Cuff size used"
 HAZA4 = "Arm selected"
 HAZA4A = "Reason left arm selected(survey yrs 4-6)"
 HAZA5 = "Radial pulse (30 seconds)"
 HAZA5R = "Radial pulse rate (beats/min)"
 HAZA6 = "Radial pulse regular/rhythmic"
 HAZA7A = "First maximum inflation rate (MIL, mmHg)"
 HAZA7AA = "Reason first MIL not taken (years 4-6)"
 HAZA7B = "Second MIL (mm Hg) (survey years 4-6)"
 HAZA7BA = "Reason second MIL not taken (years 4-6)"
 HAZA8AK1 = "K1 for first BP measure (systolic, mmHg)"
 HAZA8AK5 = "K5 for first BP measure (diastolic,mmHg)"
 HAZA8A3 = "Reason first BP measurement not done"
 HAZA8A4 = "Reason first BP measurement refused"
 HAZA8BK1 = "K1 for second BP measure (systolic,mmHg)"
 HAZA8BK5 = "K5 for second BP measure(diastolic,mmHg)"
 HAZA8B3 = "Reason second BP measurement not done"
 HAZA8B4 = "Reason second BP measurement refused"
 HAZA8CK1 = "K1 for third BP measure (systolic, mmHg)"
 HAZA8CK5 = "K5 for third BP measure (diastolic,mmHg)"
 HAZA8C3 = "Reason third BP measurement not done"
 HAZA8C4 = "Reason third BP measurement refused"
 HAZA8DK1 = "K1 for fourth BP (systolic,mmHg,yrs 4-6)"
 HAZA8DK5 = "K5 for fourth BP(diastolic,mmHg,yrs 4-6)"
 HAZA8D3 = "Reason fourth BP not done (years 4-6)"
 HAZA8D4 = "Reason fourth BP refused (years 4-6)"
 HAZA9 = "Reason for not taking BP (years 5-6)"
 HAZA10 = "Code determining BP averaging (yrs 5-6)"
 HAZA11A = "Average K1 BP (survey years 5 and 6)"
 HAZA11AR = "Average K1 BP after data edits"
 HAZA11B = "Average K5 BP (survey years 5-6)"
 HAZA11BR = "Average K5 BP after data edits"
 HAZA12 = "BP statement read to SP (years 5 and 6)"
 HAZMKNK1R = "Average K1 BP from household and MEC"
 HAZNOK1R = "Number of BP's used for average K1"
 HAZMKNK5R = "Average K5 BP from household and MEC"

```
HAZNOK5R = "Number of BP's used for average K5";
```

```
Out[4]: <IPython.core.display.HTML object>
```

```
In [5]: FILENAME ADULTX "adultx.dat" LRECL=684;  
      *** LRECL includes 2 positions for CRLF, assuming use of PC SAS;
```

```
Out[5]: <IPython.core.display.HTML object>
```

```
In [6]: DATA ADULTX;  
      INFILE ADULTX MISSOVER;
```

```
Out[6]: <IPython.core.display.HTML object>
```

```
In [7]: LENGTH
```

SEQN	7
HAX1A	3
HAX1B	3
HAX1C	3
HAX2A	3
HAX2B	3
HAX2C	3
HAX3CG	3
HAX3DG	3
HAX6SG	4
HAX8SG	4
HAX3CH	3
HAX3DH	3
HAX6SH	4
HAX8SH	4
HAX3CI	3
HAX3DI	3
HAX6SI	4
HAX8SI	4
HAX3CJ	3
HAX3DJ	3
HAX6SJ	4
HAX8SJ	4
HAX3CK	3
HAX3DK	3
HAX6SK	4
HAX8SK	4
HAX3CL	3
HAX3DL	3
HAX6SL	4
HAX8SL	4
HAX3CM	3
HAX3DM	3
HAX6SM	4

HAX8SM	4
HAX3CN	3
HAX3DN	3
HAX6SN	4
HAX8SN	4
HAX3CO	3
HAX3DO	3
HAX6SO	4
HAX8SO	4
HAX3CP	3
HAX3DP	3
HAX6SP	4
HAX8SP	4
HAX3CQ	3
HAX3DQ	3
HAX6SQ	4
HAX8SQ	4
HAX3CR	3
HAX3DR	3
HAX6SR	4
HAX8SR	4
HAX3CS	3
HAX3DS	3
HAX6SS	4
HAX8SS	4
HAX3CT	3
HAX3DT	3
HAX6ST	4
HAX8ST	4
HAX3CU	3
HAX3DU	3
HAX6SU	4
HAX8SU	4
HAX3CV	3
HAX3DV	3
HAX6SV	4
HAX8SV	4
HAX3CW	3
HAX3DW	3
HAX6SW	4
HAX8SW	4
HAX9DG	4
HAX9EG	4
HAX9FG	4
HAX11AG	\$6
HAX12SG	4
HAX9DH	4
HAX9EH	4

HAX9FH	4
HAX11AH	\$6
HAX12SH	4
HAX9DI	4
HAX9EI	4
HAX9FI	4
HAX11AI	\$6
HAX12SI	4
HAX9DJ	4
HAX9EJ	4
HAX9FJ	4
HAX11AJ	\$6
HAX12SJ	4
HAX9DK	4
HAX9EK	4
HAX9FK	4
HAX11AK	\$6
HAX12SK	4
HAX9DL	4
HAX9EL	4
HAX9FL	4
HAX11AL	\$6
HAX12SL	4
HAX9DM	4
HAX9EM	4
HAX9FM	4
HAX11AM	\$6
HAX12SM	4
HAX9DN	4
HAX9EN	4
HAX9FN	4
HAX11AN	\$6
HAX12SN	4
HAX9DO	4
HAX9EO	4
HAX9FO	4
HAX11AO	\$6
HAX12SO	4
HAX9DP	4
HAX9EP	4
HAX9FP	4
HAX11AP	\$6
HAX12SP	4
HAX9DQ	4
HAX9EQ	4
HAX9FQ	4
HAX11AQ	\$6
HAX12SQ	4

HAX9DR	4
HAX9ER	4
HAX9FR	4
HAX11AR	\$6
HAX12SR	4
HAX9DS	4
HAX9ES	4
HAX9FS	4
HAX11AS	\$6
HAX12SS	4
HAX9DT	4
HAX9ET	4
HAX9FT	4
HAX11AT	\$6
HAX12ST	4
HAX9DU	4
HAX9EU	4
HAX9FU	4
HAX11AU	\$6
HAX12SU	4
HAX9DV	4
HAX9EV	4
HAX9FV	4
HAX11AV	\$6
HAX12SV	4
HAX13AG	3
HAX15SG	4
HAX16AG	3
HAX16A1G	3
HAX17SG	4
HAX13AH	3
HAX15SH	4
HAX16AH	3
HAX16A1H	3
HAX17SH	4
HAX13AI	3
HAX15SI	4
HAX16AI	3
HAX16A1I	3
HAX17SI	4
HAX13AJ	3
HAX15SJ	4
HAX16AJ	3
HAX16A1J	3
HAX17SJ	4
HAX18A	3
HAX19AS	3
HAX18B	3

HAX19BS	3
HAX18C	3
HAX19CS	3
HAX18D	3
HAX18DB	3
HAX19DS	3
HAX18E	3
HAX18EB	3
HAX19ES	3
HAX18F	3
HAX18FB	3
HAX19FS	3
HAX18G	3
HAX18GB	3
HAX19GS	3

;

Out [7]: <IPython.core.display.HTML object>

In [8]: **FORMAT**

;

Out [8]: <IPython.core.display.HTML object>

In [9]: **INPUT**

SEQN	1-5
HAX1A	6
HAX1B	7
HAX1C	8
HAX2A	9-10
HAX2B	11-12
HAX2C	13-14
HAX3CG	15-16
HAX3DG	17-18
HAX6SG	19-22
HAX8SG	23-26
HAX3CH	27-28
HAX3DH	29-30
HAX6SH	31-34
HAX8SH	35-38
HAX3CI	39-40
HAX3DI	41-42
HAX6SI	43-46
HAX8SI	47-50
HAX3CJ	51-52
HAX3DJ	53-54
HAX6SJ	55-58
HAX8SJ	59-62
HAX3CK	63-64

HAX3DK	65-66
HAX6SK	67-70
HAX8SK	71-74
HAX3CL	75-76
HAX3DL	77-78
HAX6SL	79-82
HAX8SL	83-86
HAX3CM	87-88
HAX3DM	89-90
HAX6SM	91-94
HAX8SM	95-98
HAX3CN	99-100
HAX3DN	101-102
HAX6SN	103-106
HAX8SN	107-110
HAX3CO	111-112
HAX3DO	113-114
HAX6SO	115-118
HAX8SO	119-122
HAX3CP	123-124
HAX3DP	125-126
HAX6SP	127-130
HAX8SP	131-134
HAX3CQ	135-136
HAX3DQ	137-138
HAX6SQ	139-142
HAX8SQ	143-146
HAX3CR	147-148
HAX3DR	149-150
HAX6SR	151-154
HAX8SR	155-158
HAX3CS	159-160
HAX3DS	161-162
HAX6SS	163-166
HAX8SS	167-170
HAX3CT	171-172
HAX3DT	173-174
HAX6ST	175-178
HAX8ST	179-182
HAX3CU	183-184
HAX3DU	185-186
HAX6SU	187-190
HAX8SU	191-194
HAX3CV	195-196
HAX3DV	197-198
HAX6SV	199-202
HAX8SV	203-206
HAX3CW	207-208

HAX3DW	209-210
HAX6SW	211-214
HAX8SW	215-218
HAX9DG	219-222
HAX9EG	223-226
HAX9FG	227-230
HAX11AG	231-236
HAX12SG	237-241
HAX9DH	242-245
HAX9EH	246-249
HAX9FH	250-253
HAX11AH	254-259
HAX12SH	260-264
HAX9DI	265-268
HAX9EI	269-272
HAX9FI	273-276
HAX11AI	277-282
HAX12SI	283-287
HAX9DJ	288-291
HAX9EJ	292-295
HAX9FJ	296-299
HAX11AJ	300-305
HAX12SJ	306-310
HAX9DK	311-314
HAX9EK	315-318
HAX9FK	319-322
HAX11AK	323-328
HAX12SK	329-333
HAX9DL	334-337
HAX9EL	338-341
HAX9FL	342-345
HAX11AL	346-351
HAX12SL	352-356
HAX9DM	357-360
HAX9EM	361-364
HAX9FM	365-368
HAX11AM	369-374
HAX12SM	375-379
HAX9DN	380-383
HAX9EN	384-387
HAX9FN	388-391
HAX11AN	392-397
HAX12SN	398-402
HAX9DO	403-406
HAX9EO	407-410
HAX9FO	411-414
HAX11AO	415-420
HAX12SO	421-425

HAX9DP	426-429
HAX9EP	430-433
HAX9FP	434-437
HAX11AP	438-443
HAX12SP	444-448
HAX9DQ	449-452
HAX9EQ	453-456
HAX9FQ	457-460
HAX11AQ	461-466
HAX12SQ	467-471
HAX9DR	472-475
HAX9ER	476-479
HAX9FR	480-483
HAX11AR	484-489
HAX12SR	490-494
HAX9DS	495-498
HAX9ES	499-502
HAX9FS	503-506
HAX11AS	507-512
HAX12SS	513-517
HAX9DT	518-521
HAX9ET	522-525
HAX9FT	526-529
HAX11AT	530-535
HAX12ST	536-540
HAX9DU	541-544
HAX9EU	545-548
HAX9FU	549-552
HAX11AU	553-558
HAX12SU	559-563
HAX9DV	564-567
HAX9EV	568-571
HAX9FV	572-575
HAX11AV	576-581
HAX12SV	582-586
HAX13AG	587-589
HAX15SG	590-593
HAX16AG	594-595
HAX16A1G	596-597
HAX17SG	598-601
HAX13AH	602-604
HAX15SH	605-608
HAX16AH	609-610
HAX16A1H	611-612
HAX17SH	613-616
HAX13AI	617-619
HAX15SI	620-623
HAX16AI	624-625

```

HAX16A1I 626-627
HAX17SI 628-631
HAX13AJ 632-634
HAX15SJ 635-638
HAX16AJ 639-640
HAX16A1J 641-642
HAX17SJ 643-646
HAX18A 647
HAX19AS 648-650
HAX18B 651
HAX19BS 652-654
HAX18C 655
HAX19CS 656-658
HAX18D 659
HAX18DB 660-661
HAX19DS 662-664
HAX18E 665
HAX18EB 666-667
HAX19ES 668-670
HAX18F 671
HAX18FB 672-673
HAX19FS 674-676
HAX18G 677
HAX18GB 678-679
HAX19GS 680-682
;

```

Out [9]: <IPython.core.display.HTML object>

In [10]: LABEL

```

SEQN      = "Respondent identification number"
HAX1A     = "Taken vitamins/minerals in past month"
HAX1B     = "Taken prescriptn medicines in past month"
HAX1C     = "Taken antacids in past month"
HAX2A     = "How many vitamins/minerals taken"
HAX2B     = "How many prescription medicines taken"
HAX2C     = "How many antacids taken"
HAX3CG    = "Certainty index code-1st"
HAX3DG    = "Product class-1st"
HAX6SG    = "How often did you take in past month-1st"
HAX8SG    = "How long been taking (month)-1st"
HAX3CH    = "Certainty index code-2nd"
HAX3DH    = "Product class-2nd"
HAX6SH    = "How often did you take in past month-2nd"
HAX8SH    = "How long been taking (month)-2nd"
HAX3CI    = "Certainty index code-3rd"
HAX3DI    = "Product class-3rd"
HAX6SI    = "How often did you take in past month-3rd"

```

HAX8SI = "How long been taking (month)-3rd"
 HAX3CJ = "Certainty index code-4th"
 HAX3DJ = "Product class-4th"
 HAX6SJ = "How often did you take in past month-4th"
 HAX8SJ = "How long been taking (month)-4th"
 HAX3CK = "Certainty index code-5th"
 HAX3DK = "Product class-5th"
 HAX6SK = "How often did you take in past month-5th"
 HAX8SK = "How long been taking (month)-5th"
 HAX3CL = "Certainty index code-6th"
 HAX3DL = "Product class-6th"
 HAX6SL = "How often did you take in past month-6th"
 HAX8SL = "How long been taking (month)-6th"
 HAX3CM = "Certainty index code-7th"
 HAX3DM = "Product class-7th"
 HAX6SM = "How often did you take in past month-7th"
 HAX8SM = "How long been taking (month)-7th"
 HAX3CN = "Certainty index code-8th"
 HAX3DN = "Product class-8th"
 HAX6SN = "How often did you take in past month-8th"
 HAX8SN = "How long been taking (month)-8th"
 HAX3CO = "Certainty index code-9th"
 HAX3DO = "Product class-9th"
 HAX6SO = "How often did you take in past month-9th"
 HAX8SO = "How long been taking (month)-9th"
 HAX3CP = "Certainty index code-10th"
 HAX3DP = "Product class-10th"
 HAX6SP = "How often did you take in past mnth-10th"
 HAX8SP = "How long been taking (month)-10th"
 HAX3CQ = "Certainty index code-11th"
 HAX3DQ = "Product class-11th"
 HAX6SQ = "How often did you take in past mnth-11th"
 HAX8SQ = "How long been taking (month)-11th"
 HAX3CR = "Certainty index code-12th"
 HAX3DR = "Product class-12th"
 HAX6SR = "How often did you take in past mnth-12th"
 HAX8SR = "How long been taking (month)-12th"
 HAX3CS = "Certainty index code-13th"
 HAX3DS = "Product class-13th"
 HAX6SS = "How often did you take in past mnth-13th"
 HAX8SS = "How long been taking (month)-13th"
 HAX3CT = "Certainty index code-14th"
 HAX3DT = "Product class-14th"
 HAX6ST = "How often did you take in past mnth-14th"
 HAX8ST = "How long been taking (month)-14th"
 HAX3CU = "Certainty index code-15th"
 HAX3DU = "Product class-15th"
 HAX6SU = "How often did you take in past mnth-15th"

HAX8SU = "How long been taking (month)-15th"
 HAX3CV = "Certainty index code-16th"
 HAX3DV = "Product class-16th"
 HAX6SV = "How often did you take in past mnth-16th"
 HAX8SV = "How long been taking (month)-16th"
 HAX3CW = "Certainty index code-17th"
 HAX3DW = "Product class-17th"
 HAX6SW = "How often did you take in past mnth-17th"
 HAX8SW = "How long been taking (month)-17th"
 HAX9DG = "Primary drug class code-1st"
 HAX9EG = "Secondary drug class code-1st"
 HAX9FG = "Tertiary drug class code-1st"
 HAX11AG = "ICD-9-CM code-1st"
 HAX12SG = "For how long been taking (days)-1st"
 HAX9DH = "Primary drug class code-2nd"
 HAX9EH = "Secondary drug class code-2nd"
 HAX9FH = "Tertiary drug class code-2nd"
 HAX11AH = "ICD-9-CM code-2nd"
 HAX12SH = "For how long been taking (days)-2nd"
 HAX9DI = "Primary drug class code-3rd"
 HAX9EI = "Secondary drug class code-3rd"
 HAX9FI = "Tertiary drug class code-3rd"
 HAX11AI = "ICD-9-CM code-3rd"
 HAX12SI = "For how long been taking (days)-3rd"
 HAX9DJ = "Primary drug class code-4th"
 HAX9EJ = "Secondary drug class code-4th"
 HAX9FJ = "Tertiary drug class code-4th"
 HAX11AJ = "ICD-9-CM code-4th"
 HAX12SJ = "For how long been taking (days)-4th"
 HAX9DK = "Primary drug class code-5th"
 HAX9EK = "Secondary drug class code-5th"
 HAX9FK = "Tertiary drug class code-5th"
 HAX11AK = "ICD-9-CM code-5th"
 HAX12SK = "For how long been taking (days)-5th"
 HAX9DL = "Primary drug class code-6th"
 HAX9EL = "Secondary drug class code-6th"
 HAX9FL = "Tertiary drug class code-6th"
 HAX11AL = "ICD-9-CM code-6th"
 HAX12SL = "For how long been taking (days)-6th"
 HAX9DM = "Primary drug class code-7th"
 HAX9EM = "Secondary drug class code-7th"
 HAX9FM = "Tertiary drug class code-7th"
 HAX11AM = "ICD-9-CM code-7th"
 HAX12SM = "For how long been taking (days)-7th"
 HAX9DN = "Primary drug class code-8th"
 HAX9EN = "Secondary drug class code-8th"
 HAX9FN = "Tertiary drug class code-8th"
 HAX11AN = "ICD-9-CM code-8th"

HAX12SN = "For how long been taking (days)-8th"
 HAX9DO = "Primary drug class code-9th"
 HAX9EO = "Secondary drug class code-9th"
 HAX9FO = "Tertiary drug class code-9th"
 HAX11AO = "ICD-9-CM code-9th"
 HAX12SO = "For how long been taking (days)-9th"
 HAX9DP = "Primary drug class code-10th"
 HAX9EP = "Secondary drug class code-10th"
 HAX9FP = "Tertiary drug class code-10th"
 HAX11AP = "ICD-9-CM code-10th"
 HAX12SP = "For how long been taking (days)-10th"
 HAX9DQ = "Primary drug class code-11th"
 HAX9EQ = "Secondary drug class code-11th"
 HAX9FQ = "Tertiary drug class code-11th"
 HAX11AQ = "ICD-9-CM code-11th"
 HAX12SQ = "For how long been taking (days)-11th"
 HAX9DR = "Primary drug class code-12th"
 HAX9ER = "Secondary drug class code-12th"
 HAX9FR = "Tertiary drug class code-12th"
 HAX11AR = "ICD-9-CM code-12th"
 HAX12SR = "For how long been taking (days)-12th"
 HAX9DS = "Primary drug class code-13th"
 HAX9ES = "Secondary drug class code-13th"
 HAX9FS = "Tertiary drug class code-13th"
 HAX11AS = "ICD-9-CM code-13th"
 HAX12SS = "For how long been taking (days)-13th"
 HAX9DT = "Primary drug class code-14th"
 HAX9ET = "Secondary drug class code-14th"
 HAX9FT = "Tertiary drug class code-14th"
 HAX11AT = "ICD-9-CM code-14th"
 HAX12ST = "For how long been taking (days)-14th"
 HAX9DU = "Primary drug class code-15th"
 HAX9EU = "Secondary drug class code-15th"
 HAX9FU = "Tertiary drug class code-15th"
 HAX11AU = "ICD-9-CM code-15th"
 HAX12SU = "For how long been taking (days)-15th"
 HAX9DV = "Primary drug class code-16th"
 HAX9EV = "Secondary drug class code-16th"
 HAX9FV = "Tertiary drug class code-16th"
 HAX11AV = "ICD-9-CM code-16th"
 HAX12SV = "For how long been taking (days)-16th"
 HAX13AG = "Antacid identification code-1st"
 HAX15SG = "How often did you take in past month-1st"
 HAX16AG = "How much did you take ea time (quan)-1st"
 HAX16A1G = "How much did you take ea time (unit)-1st"
 HAX17SG = "How long been taking (months)-1st"
 HAX13AH = "Antacid identification code-2nd"
 HAX15SH = "How often did you take in past month-2nd"

```

HAX16AH = "How much did you take ea time (quan)-2nd"
HAX16A1H = "How much did you take ea time (unit)-2nd"
HAX17SH = "How long been taking (months)-2nd"
HAX13AI = "Antacid identification code-3rd"
HAX15SI = "How often did you take in past month-3rd"
HAX16AI = "How much did you take ea time (quan)-3rd"
HAX16A1I = "How much did you take ea time (unit)-3rd"
HAX17SI = "How long been taking (months)-3rd"
HAX13AJ = "Antacid identification code-4th"
HAX15SJ = "How often did you take in past month-4th"
HAX16AJ = "How much did you take ea time (quan)-4th"
HAX16A1J = "How much did you take ea time (unit)-4th"
HAX17SJ = "How long been taking (months)-4th"
HAX18A = "Taken aspirin, etc. in past month"
HAX19AS = "How often did you take in past month"
HAX18B = "Taken acetaminophen, etc. in past month"
HAX19BS = "How often did you take in past month"
HAX18C = "Taken ibuprofen, etc. in past month"
HAX19CS = "How often did you take in past month"
HAX18D = "Taken other pain rel. in past month-1st"
HAX18DB = "Other pain rel. product type-1st"
HAX19DS = "How often did you take in past month-1st"
HAX18E = "Taken other pain rel. in past month-2nd"
HAX18EB = "Other pain rel. product type-2nd"
HAX19ES = "How often did you take in past month-2nd"
HAX18F = "Taken other pain rel. in past month-3rd"
HAX18FB = "Other pain rel. product type-3rd"
HAX19FS = "How often did you take in past month-3rd"
HAX18G = "Taken other pain rel. in past month-4th"
HAX18GB = "Other pain rel. product type-4th"
HAX19GS = "How often did you take in past month-4th"
;

```

Out[10]: <IPython.core.display.HTML object>

```

In [11]: PROC SORT DATA=ADULT;
          BY SEQN;
          RUN;

          PROC SORT DATA=ADULTX;
          BY SEQN;
          RUN;

          DATA ADULT2;
            MERGE ADULT(DROP=HAX:)
                  ADULTX;
            BY SEQN;
          RUN;

```

Out[11]: <IPython.core.display.HTML object>

```
In [12]: proc export data=ADULT2
          outfile='adult-merge.csv'
          dbms=csv
          replace;
          run;
```

Out[12]: <IPython.core.display.HTML object>