

Contract No.: HHSP23320095642WC (HHSP23337054T)
Mathematica Reference No.: 40309.44H

2018 Health Care Survey of DoD Beneficiaries:

Adult Codebook and User's Guide

June 2018
Quarter II
Survey Fielded: January 2018

Submitted to:
Defense Health Agency
7700 Arlington Boulevard, Suite 5101
Falls Church, VA 22042-5101
(703) 681-3636

Task Order Officer:
Richard R. Bannick, Ph. D., FACHE

Submitted by:
Mathematica Policy Research, Inc.
1100 First Street, NE, 12th Floor
Washington, DC 20002-4221
(202) 484-9220

Project Director:
Nancy A. Clusen

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

Contents

Lists	Page
Table of Variables	v
Alphabetical Table of Variables	xi
Chapters	
1 Introduction	1
2 Survey of Adults	5
3 Description of the Adult HCSDb Database.....	17
4 Programming Guide.....	21
- How to Make a Table Using SAS.....	21
- How to Make a Table Using SPSS	56
- Calculating Variances of Estimates.....	134
5 Codebook	141
References	215
Appendices	
A Annotated Questionnaire – Quarter II.....	A-1
B Survey Fielding Letters – Quarter II.....	B-1
C Crosswalk between 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, and 2018 Questions for Adult HCSDb – Quarter II	C-1
D Coding Scheme and Coding Tables – Quarter II.....	D-1
E SAS Proc Contents – Alphabetical 2018 Adult HCSDb – Quarter II.....	E-1
F SAS Proc Contents – Creation Order 2018 Adult HCSDb – Quarter II	F-1
G Response Rate Tables – Quarter II.....	G-1

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

TABLE OF VARIABLES

Sample Variables	Label	Page
MPRID	- Unique MPR identifier	143
SVCSMPL	- Branch of service sampling variable	143
SEXSMPL	- Sex sampling variable	143
STRATUM	- Sampling stratum	143
ENBGSMPL	- Enrollment by beneficiary category	150
MPCSMPL	- Military personnel category	150
NHFF	- Stratum sample size	150
QUARTER	- Survey quarter.....	151
D_HEALTH	- Health service region	151
TNEXREG	- TRICARE next generation of contracts region grouping.....	151
BWT	- Basic sampling weight	151

DEERS Variables	Label	Page
RACEETHN	- Race/Ethnic code.....	152
PNSEXCD	- Person gender	152
RDAGEQY	- Age at time of sample preparation-Capped (18 and below, 65 and above)	152
RFLDAGE	- Age at start of fielding period-Capped (18 and below, 65 and above).....	152
PCM	- Primary manager code (civilian or military).....	153
ACV	- Alternate care value	153
DBENCAT	- Beneficiary category.....	153
DSPONSV	- Derived sponsor branch of service	154
PATCAT	- Aggregated beneficiary category	154
PNTYPECD	- Person type code	154

Questionnaire Responses	Label	Page
H18001	- Are you the person listed on the cover letter	154
H18002A	- Health plan(s) covered: TRICARE Prime	154
H18002C	- Health plan(s) covered: TRICARE Select.....	155
H18002N	- Health plan(s) covered: TRICARE Plus.....	155
H18002O	- Health plan(s) covered: TRICARE For Life.....	155
H18002P	- Health plan(s) covered: TRICARE Supplemental Insurance	155
H18002Q	- Health plan(s) covered: TRICARE Reserve Select	155
H18002S	- Health plan(s) covered: TRICARE Retired Reserve	155
H18002T	- Health plan(s) covered: TRICARE Young Adult Prime	156
H18002V	- Health plan(s) covered: TRICARE Young Adult Extra or Standard	156
H18002K	- Health plan(s) covered: Uniformed Services Family Health Plan (USFHP)	156
H18002U	- Health plan(s) covered: Continued Health Care Benefit Program (CHCBP)	156
H18002F	- Health plan(s) covered: Medicare	156
H18002G	- Health plan(s) covered: Federal Employees Health Benefit Program (FEHBP) ..	156
H18002H	- Health plan(s) covered: Medicaid	157
H18002I	- Health plan(s) covered: civilian HMO.....	157
H18002J	- Health plan(s) covered: other civilian health insurance	157
H18002M	- Health plan(s) covered: Veterans Administration (VA)	157
H18002R	- Health plan(s) covered: other Non-US government health insurance	157
H18002L	- Health plan(s) covered: not sure.....	157
H18003	- Which health plan did you use most in the past 12 months?.....	158
H18004	- Months or years in a row with health plan.....	158
H18006	- In last year: have illness/injury/condition that needed care right away.....	159
H18007	- In last year: how often got care as soon as you needed it.....	159
H18008	- In last year: wait between trying to get care and actually seeing a provider for an illness or injury	159

Questionnaire Responses	Label	Page
H18009	- In last year: made appointments for non-urgent health care	159
H18010	- In last year: how often got appointments for non-urgent health care as soon as you needed	160
H18011	- In last year: days between making an appointment and actually seeing a provider for non-urgent health	160
H18012	- In last year: times went to an emergency room for yourself	160
H18013	- In last year: times went to doctor's office or clinic for self (not counting times went to an ER)	161
H18014	- In last year: how often talk to doctor or other health care provider about illness prevention	161
H18015	- In last year: doctor or other health care provider talked about more than 1 choice for treatment.....	161
H18016	- In last year: doctor talked about pros/cons of each treatment/health care choice	161
H18017	- In last year: dr asked which treatment option you thought was best when more than one choice of treatment	162
H18018	- Rating of all health care in last year	162
H18033	- In last year: how often easy to get care, tests, or treatment you needed	162
H18019	- Have one person you think of as your personal doctor.....	163
H18020	- In last year: number of times visited personal doctor for care for self	163
H18021	- In last year: how often personal doctor listened carefully to you.....	163
H18022	- In last year: how often personal doctor explained things in a way that was easy to understand.....	163
H18023	- In last year: how often your personal doctor showed respect for what you have to say	164
H18024	- In last year: how often your personal doctor spent enough time with you	164
H18025	- In last year: got care from doctor or other health provider other than personal doctor.....	164
H18026	- In last year: how often personal doctor seemed informed and up-to-date about care received from other drs.....	165
H18027	- Rating of your personal doctor	165
H18028	- In last year: tried to make appointment to see a specialist	165
H18029	- In last year: how often did you get an appointment with specialist as soon as needed.....	166
H18030	- In last year: how many specialists seen.....	166
H18031	- Rating of specialist seen most often in last year.....	166
H18034	- In last year: looked for information in written material or on the Internet about how health plan works	167
H18035	- In last year: how often written material/Internet provide information you needed about how your plan works	167
H18036	- In last year: looked for information from health plan on cost of health care service or equipment	167
H18037	- In last year: how often able to find out from health plan cost of health care service or equipment	167
H18038	- In last year: looked for information from health plan on cost of prescription medications	168
H18039	- In last year: how often able to find out cost of prescription medications.....	168
H18040	- In last year: tried to get information or help from health plan's customer service	168
H18041	- In last year: how often did customer service give needed information or help	168
H18042	- In last year: how often did customer service treat with courtesy and respect.....	169
H18043	- In last year: health plan gave forms to fill out.....	169
H18044	- In last year: how often forms from health plan were easy to fill out	169
H18045	- In last year: sent in any claims to your health plan	169
H18046	- In last year: how often health plan handled claims quickly	170
H18047	- In last year: how often health plan handled claims correctly.....	170
H18048	- Rating of all experience with health plan	170

Questionnaire Responses	Label	Page
H18049	- Blood pressure: when last reading.....	171
H18050	- Blood pressure: know if blood pressure is too high or not.....	171
H18051	- When did you last have a flu shot.....	171
H18052	- Smoked at least 100 cigarettes in life.....	171
H18053	- Smoke or use tobacco every day, some days, or not at all.....	171
H18054	- Last year: how often advised by doctor to quit smoking or using tobacco.....	172
H18055	- Last year: how often medication recommended or discussed by dr to assist with quitting smoking or using tobacco.....	172
H18056	- Last year: how often dr recommended/discussed methods and strategies to assist quitting smoking or using tobacco.....	172
H18057A	- Do you smoke or use: cigarettes.....	172
H18057B	- Do you smoke or use: dip, chewing tobacco, snuff, or snus.....	173
H18057C	- Do you smoke or use: cigars.....	173
H18057D	- Do you smoke or use: pipes, bidis, or kreteks.....	173
H18058	- Are you male or female.....	173
H18059B	- Female: last have a Pap smear test.....	174
H18060	- Female: are you under age 40.....	174
H18061	- Female: last time breasts checked by mammography.....	174
H18062	- Female: been pregnant in last year or pregnant now.....	175
H18063	- Female: in what trimester is your pregnancy.....	175
H18064	- Female: trimester first received prenatal care.....	175
H18065	- In general how would you rate your overall health.....	175
SREDA	- Highest grade completed.....	176
H18073	- Are you Spanish, Hispanic, or Latino.....	176
H18073A	- No, not Spanish, Hispanic, or Latino.....	176
H18073B	- Yes, Mexican, Mexican American, Chicano.....	176
H18073C	- Yes, Puerto Rican.....	176
H18073D	- Yes, Cuban or other Spanish, Hispanic, or Latino.....	177
SRRACEA	- Race: White.....	177
SRRACEB	- Race: Black or African American.....	177
SRRACEC	- Race: American Indian or Alaska Native or Native Hawaiian/other Pacific Islander.....	177
SRRACED	- Race: Asian.....	177
SRAGE	- What is your age now?.....	177
S18009	- Had the same personal doctor before joining this health plan.....	178
S18010	- Since joined health plan, how much of a problem, if any, was it to get personal doctor you are happy with?.....	178
S18011	- Agree/disagree: Able to see provider when needed.....	178
S18014	- How satisfied with health care during last visit.....	178
S18BF4	- How often do you use e-cigarettes.....	179

Survey Fielding Variables	Label	Page
ONTIME	- Responded within 8 weeks of mail-out.....	179
FLAG_FIN	- Final disposition.....	179
DUPFLAG	- Multiple response indicator.....	179
FNSTATUS	- Final status.....	179
KEYCOUNT	- Number of key questions answered.....	180
WEB	- Web survey indicator.....	180
SURVTYPE	- Web or Mail Survey.....	180

Coding Scheme Flags and Counts	Label	Page
N1	- Coding Scheme Note 1	180
N2	- Coding Scheme Note 2	181
N3	- Coding Scheme Note 3	181
N4	- Coding Scheme Note 4	181
N5	- Coding Scheme Note 5	181
N6	- Coding Scheme Note 6	182
N7	- Coding Scheme Note 7	182
N8	- Coding Scheme Note 8	182
N8_01	- Coding Scheme Note 8_01	182
N9	- Coding Scheme Note 9	183
N10	- Coding Scheme Note 10	183
N12	- Coding Scheme Note 12	183
N13	- Coding Scheme Note 13	183
N14	- Coding Scheme Note 14	184
N15	- Coding Scheme Note 15	184
N16	- Coding Scheme Note 16	184
N17	- Coding Scheme Note 17	184
N18	- Coding Scheme Note 18	185
N19A	- Coding Scheme Note 19A	185
N19B	- Coding Scheme Note 19B	185
N20	- Coding Scheme Note 20	185
N21	- Coding Scheme Note 21	186
N23_HT	- Coding Scheme Note 23_HT	186
N23_WT	- Coding Scheme Note 23_WT	186
N24	- Coding Scheme Note 24	186
MISS_1	- Count of original survey responses (pre-cleaning): violates skip pattern	186
MISS_4	- Count of original survey responses (pre-cleaning): incomplete grid error	187
MISS_5	- Count of original survey responses (pre-cleaning): scalable response of don't know	187
MISS_6	- Count of original survey responses (pre-cleaning): not applicable - valid skip	187
MISS_7	- Count of original survey responses (pre-cleaning): out-of-range error	187
MISS_9	- Count of original survey responses (pre-cleaning): no response - invalid skip....	188
MISS_TOT	- Total number of missing responses (pre-cleaning)	189
<hr/>		
Constructed Variables	Label	Page
JSFLAG	- Joint Service Flag	190
XENRLLMT	- Enrollment in TRICARE prime	190
XENR_PCM	- Enrollment by PCM type	190
XINS_COV	- Insurance coverage	191
XBENCAT	- Beneficiary category	191
XENR_RSV	- Enrollment by PCM type - reservist	192
XINS_RSV	- Insurance coverage - reservist	192
XREGION	- Region	193
XTNEXREG	- TRICARE next generation of contracts region grouping	193
USA	- CONUS/OCONUS indicator	193
XOCONUS	- Overseas Europe/Pacific/Latin indicator	193
OUTCATCH	- Out of catchment area indicator	194
XSEX	- Male or female (recode)	194
XBMICAT	- Body mass index category	194
XBNFGRP	- Constructed beneficiary group	194
XSERVAFF	- Service affiliation	194
KCIVINS	- Beneficiary covered by civilian insurance	195

Constructed Variables	Label	Page
HP_PRNTL	- Pregnant in last year received care in 1st trimester.....	195
HP_MAMOG	- Women age 40 and over: mammography in past 2 years.....	195
HP_MAM50	- Women age 50 and over: mammography in past 2 years.....	195
HP_PAP	- All women: pap smear in last 3 years.....	195
HP_BP	- Blood pressure check in last 2 years and know results.....	196
HP_FLU	- Age 65 and older: flu shot in last 12 months.....	196
HP_OBESE	- Obese or morbidly obese.....	196
HP_SMOKE	- Advised to quit smoking in last 12 months.....	196
HP_SMKH3	- Smoker under HEDIS definition (modified).....	196
HP_CESH3	- Had smoking cessation counseling - HEDIS (modified).....	196

Post-stratification	Label	Page
POSTCELL	- Poststratification cell for new weights.....	197

Weight	Label	Page
FWRWT1	- Replicated/Jackknife quarterly weight 1.....	199
FWRWT2	- Replicated/Jackknife quarterly weight 2.....	200
FWRWT3	- Replicated/Jackknife quarterly weight 3.....	200
FWRWT4	- Replicated/Jackknife quarterly weight 4.....	200
FWRWT5	- Replicated/Jackknife quarterly weight 5.....	200
FWRWT6	- Replicated/Jackknife quarterly weight 6.....	201
FWRWT7	- Replicated/Jackknife quarterly weight 7.....	201
FWRWT8	- Replicated/Jackknife quarterly weight 8.....	201
FWRWT9	- Replicated/Jackknife quarterly weight 9.....	201
FWRWT10	- Replicated/Jackknife quarterly weight 10.....	202
FWRWT11	- Replicated/Jackknife quarterly weight 11.....	202
FWRWT12	- Replicated/Jackknife quarterly weight 12.....	202
FWRWT13	- Replicated/Jackknife quarterly weight 13.....	202
FWRWT14	- Replicated/Jackknife quarterly weight 14.....	203
FWRWT15	- Replicated/Jackknife quarterly weight 15.....	203
FWRWT16	- Replicated/Jackknife quarterly weight 16.....	203
FWRWT17	- Replicated/Jackknife quarterly weight 17.....	203
FWRWT18	- Replicated/Jackknife quarterly weight 18.....	204
FWRWT19	- Replicated/Jackknife quarterly weight 19.....	204
FWRWT20	- Replicated/Jackknife quarterly weight 20.....	204
FWRWT21	- Replicated/Jackknife quarterly weight 21.....	204
FWRWT22	- Replicated/Jackknife quarterly weight 22.....	205
FWRWT23	- Replicated/Jackknife quarterly weight 23.....	205
FWRWT24	- Replicated/Jackknife quarterly weight 24.....	205
FWRWT25	- Replicated/Jackknife quarterly weight 25.....	205
FWRWT26	- Replicated/Jackknife quarterly weight 26.....	206
FWRWT27	- Replicated/Jackknife quarterly weight 27.....	206
FWRWT28	- Replicated/Jackknife quarterly weight 28.....	206
FWRWT29	- Replicated/Jackknife quarterly weight 29.....	206
FWRWT30	- Replicated/Jackknife quarterly weight 30.....	207
FWRWT31	- Replicated/Jackknife quarterly weight 31.....	207
FWRWT32	- Replicated/Jackknife quarterly weight 32.....	207
FWRWT33	- Replicated/Jackknife quarterly weight 33.....	207
FWRWT34	- Replicated/Jackknife quarterly weight 34.....	208
FWRWT35	- Replicated/Jackknife quarterly weight 35.....	208
FWRWT36	- Replicated/Jackknife quarterly weight 36.....	208
FWRWT37	- Replicated/Jackknife quarterly weight 37.....	208
FWRWT38	- Replicated/Jackknife quarterly weight 38.....	209
FWRWT39	- Replicated/Jackknife quarterly weight 39.....	209

Weight	Label	Page
FWRWT40	- Replicated/Jackknife quarterly weight 40.....	209
FWRWT41	- Replicated/Jackknife quarterly weight 41.....	209
FWRWT42	- Replicated/Jackknife quarterly weight 42.....	210
FWRWT43	- Replicated/Jackknife quarterly weight 43.....	210
FWRWT44	- Replicated/Jackknife quarterly weight 44.....	210
FWRWT45	- Replicated/Jackknife quarterly weight 45.....	210
FWRWT46	- Replicated/Jackknife quarterly weight 46.....	211
FWRWT47	- Replicated/Jackknife quarterly weight 47.....	211
FWRWT48	- Replicated/Jackknife quarterly weight 48.....	211
FWRWT49	- Replicated/Jackknife quarterly weight 49.....	211
FWRWT50	- Replicated/Jackknife quarterly weight 50.....	212
FWRWT51	- Replicated/Jackknife quarterly weight 51.....	212
FWRWT52	- Replicated/Jackknife quarterly weight 52.....	212
FWRWT53	- Replicated/Jackknife quarterly weight 53.....	212
FWRWT54	- Replicated/Jackknife quarterly weight 54.....	213
FWRWT55	- Replicated/Jackknife quarterly weight 55.....	213
FWRWT56	- Replicated/Jackknife quarterly weight 56.....	213
FWRWT57	- Replicated/Jackknife quarterly weight 57.....	213
FWRWT58	- Replicated/Jackknife quarterly weight 58.....	214
FWRWT59	- Replicated/Jackknife quarterly weight 59.....	214
FWRWT60	- Replicated/Jackknife quarterly weight 60.....	214
FWRWT	- Final quarterly weight	214

ALPHABETICAL TABLE OF VARIABLES

Variable	Label	Page
MPRID	- Unique MPR identifier	143
SVCSMPL	- Branch of service sampling variable	143
SEXSMPL	- Sex sampling variable	143
STRATUM	- Sampling stratum	143
ENBGSMPL	- Enrollment by beneficiary category	150
MPCSMPL	- Military personnel category	150
NHFF	- Stratum sample size	150
QUARTER	- Survey quarter.....	151
D_HEALTH	- Health service region	151
TNEXREG	- TRICARE next generation of contracts region grouping.....	151
BWT	- Basic sampling weight	151
RACEETHN	- Race/Ethnic code	152
PNSEXCD	- Person gender	152
RDAGEQY	- Age at time of sample preparation-Capped (18 and below, 65 and above)	152
RFLDAGE	- Age at start of fielding period-Capped (18 and below, 65 and above)	152
PCM	- Primary manager code (civilian or military)	153
ACV	- Alternate care value	153
DBENCAT	- Beneficiary category.....	153
DSPONSVC	- Derived sponsor branch of service	154
PATCAT	- Aggregated beneficiary category	154
PNTYPECD	- Person type code	154
H18001	- Are you the person listed on the cover letter	154
H18002A	- Health plan(s) covered: TRICARE Prime	154
H18002C	- Health plan(s) covered: TRICARE Select.....	155
H18002N	- Health plan(s) covered: TRICARE Plus.....	155
H18002O	- Health plan(s) covered: TRICARE For Life.....	155
H18002P	- Health plan(s) covered: TRICARE Supplemental Insurance	155
H18002Q	- Health plan(s) covered: TRICARE Reserve Select	155
H18002S	- Health plan(s) covered: TRICARE Retired Reserve.....	155
H18002T	- Health plan(s) covered: TRICARE Young Adult Prime	156
H18002V	- Health plan(s) covered: TRICARE Young Adult Extra or Standard	156
H18002K	- Health plan(s) covered: Uniformed Services Family Health Plan (USFHP)	156
H18002U	- Health plan(s) covered: Continued Health Care Benefit Program (CHCBP)	156
H18002F	- Health plan(s) covered: Medicare	156
H18002G	- Health plan(s) covered: Federal Employees Health Benefit Program (FEHBP) ..	156
H18002H	- Health plan(s) covered: Medicaid	157
H18002I	- Health plan(s) covered: civilian HMO.....	157
H18002J	- Health plan(s) covered: other civilian health insurance	157
H18002M	- Health plan(s) covered: Veterans Administration (VA)	157
H18002R	- Health plan(s) covered: other Non-US government health insurance	157
H18002L	- Health plan(s) covered: not sure.....	157
H18003	- Which health plan did you use most in the past 12 months?.....	158
H18004	- Months or years in a row with health plan.....	158
H18006	- In last year: have illness/injury/condition that needed care right away.....	159
H18007	- In last year: how often got care as soon as you needed it.....	159
H18008	- In last year: wait between trying to get care and actually seeing a provider for an illness or injury	159
H18009	- In last year: made appointments for non-urgent health care	159
H18010	- In last year: how often got appointments for non-urgent health care as soon as you needed	160
H18011	- In last year: days between making an appointment and actually seeing a provider for non-urgent health	160
H18012	- In last year: times went to an emergency room for yourself	160
H18013	- In last year: times went to doctor's office or clinic for self (not counting times went to an ER)	161

Variable	Label	Page
H18014	- In last year: how often talk to doctor or other health care provider about illness prevention	161
H18015	- In last year: doctor or other health care provider talked about more than 1 choice for treatment.....	161
H18016	- In last year: doctor talked about pros/cons of each treatment/health care choice	161
H18017	- In last year: dr asked which treatment option you thought was best when more than one choice of treatment	162
H18018	- Rating of all health care in last year	162
H18033	- In last year: how often easy to get care, tests, or treatment you needed	162
H18019	- Have one person you think of as your personal doctor.....	163
H18020	- In last year: number of times visited personal doctor for care for self	163
H18021	- In last year: how often personal doctor listened carefully to you.....	163
H18022	- In last year: how often personal doctor explained things in a way that was easy to understand.....	163
H18023	- In last year: how often your personal doctor showed respect for what you have to say	164
H18024	- In last year: how often your personal doctor spent enough time with you	164
H18025	- In last year: got care from doctor or other health provider other than personal doctor.....	164
H18026	- In last year: how often personal doctor seemed informed and up-to-date about care received from other drs.....	165
H18027	- Rating of your personal doctor	165
H18028	- In last year: tried to make appointment to see a specialist	165
H18029	- In last year: how often did you get an appointment with specialist as soon as needed.....	166
H18030	- In last year: how many specialists seen.....	166
H18031	- Rating of specialist seen most often in last year.....	166
H18034	- In last year: looked for information in written material or on the Internet about how health plan works	167
H18035	- In last year: how often written material/Internet provide information you needed about how your plan works	167
H18036	- In last year: looked for information from health plan on cost of health care service or equipment	167
H18037	- In last year: how often able to find out from health plan cost of health care service or equipment	167
H18038	- In last year: looked for information from health plan on cost of prescription medications	168
H18039	- In last year: how often able to find out cost of prescription medications.....	168
H18040	- In last year: tried to get information or help from health plan's customer service	168
H18041	- In last year: how often did customer service give needed information or help	168
H18042	- In last year: how often did customer service treat with courtesy and respect.....	169
H18043	- In last year: health plan gave forms to fill out.....	169
H18044	- In last year: how often forms from health plan were easy to fill out	169
H18045	- In last year: sent in any claims to your health plan	169
H18046	- In last year: how often health plan handled claims quickly	170
H18047	- In last year: how often health plan handled claims correctly.....	170
H18048	- Rating of all experience with health plan	170
H18049	- Blood pressure: when last reading.....	171
H18050	- Blood pressure: know if blood pressure is too high or not.....	171
H18051	- When did you last have a flu shot.....	171
H18052	- Smoked at least 100 cigarettes in life	171
H18053	- Smoke or use tobacco every day, some days, or not at all	171
H18054	- Last year: how often advised by doctor to quit smoking or using tobacco.....	172
H18055	- Last year: how often medication recommended or discussed by dr to assist with quitting smoking or using tobacco.....	172

Variable	Label	Page
H18056	- Last year: how often dr recommended/discussed methods and strategies to assist quitting smoking or using tobacco	172
H18057A	- Do you smoke or use: cigarettes	172
H18057B	- Do you smoke or use: dip, chewing tobacco, snuff, or snus.....	173
H18057C	- Do you smoke or use: cigars	173
H18057D	- Do you smoke or use: pipes, bidis, or kreteks	173
H18058	- Are you male or female.....	173
H18059B	- Female: last have a Pap smear test	174
H18060	- Female: are you under age 40	174
H18061	- Female: last time breasts checked by mammography	174
H18062	- Female: been pregnant in last year or pregnant now	175
H18063	- Female: in what trimester is your pregnancy	175
H18064	- Female: trimester first received prenatal care	175
H18065	- In general how would you rate your overall health	175
SREDA	- Highest grade completed.....	176
H18073	- Are you Spanish, Hispanic, or Latino	176
H18073A	- No, not Spanish, Hispanic, or Latino.....	176
H18073B	- Yes, Mexican, Mexican American, Chicano	176
H18073C	- Yes, Puerto Rican	176
H18073D	- Yes, Cuban or other Spanish, Hispanic, or Latino	177
SRRACEA	- Race: White	177
SRRACEB	- Race: Black or African American	177
SRRACEC	- Race: American Indian or Alaska Native or Native Hawaiian/other Pacific Islander	177
SRRACED	- Race: Asian.....	177
SRAGE	- What is your age now?	177
S18009	- Had the same personal doctor before joining this health plan.....	178
S18010	- Since joined health plan, how much of a problem, if any, was it to get personal doctor you are happy with?	178
S18011	- Agree/disagree: Able to see provider when needed	178
S18014	- How satisfied with health care during last visit.....	178
S18BF4	- How often do you use e-cigarettes	179
ONTIME	- Responded within 8 weeks of mail-out	179
FLAG_FIN	- Final disposition	179
DUPFLAG	- Multiple response indicator	179
FNSTATUS	- Final status.....	179
KEYCOUNT	- Number of key questions answered	180
WEB	- Web survey indicator	180
SURVTYPE	- Web or Mail Survey.....	180
N1	- Coding Scheme Note 1	180
N2	- Coding Scheme Note 2	181
N3	- Coding Scheme Note 3.....	181
N4	- Coding Scheme Note 4.....	181
N5	- Coding Scheme Note 5.....	181
N6	- Coding Scheme Note 6.....	182
N7	- Coding Scheme Note 7	182
N8	- Coding Scheme Note 8.....	182
N8_01	- Coding Scheme Note 8_01	182
N9	- Coding Scheme Note 9.....	183
N10	- Coding Scheme Note 10.....	183
N12	- Coding Scheme Note 12.....	183
N13	- Coding Scheme Note 13.....	183
N14	- Coding Scheme Note 14.....	184
N15	- Coding Scheme Note 15.....	184
N16	- Coding Scheme Note 16.....	184
N17	- Coding Scheme Note 17	184
N18	- Coding Scheme Note 18.....	185

Variable	Label	Page
N19A	- Coding Scheme Note 19A	185
N19B	- Coding Scheme Note 19B	185
N20	- Coding Scheme Note 20.....	185
N21	- Coding Scheme Note 21.....	186
N23_HT	- Coding Scheme Note 23_HT	186
N23_WT	- Coding Scheme Note 23_WT	186
N24	- Coding Scheme Note 24.....	186
MISS_1	- Count of original survey responses (pre-cleaning): violates skip pattern	186
MISS_4	- Count of original survey responses (pre-cleaning): incomplete grid error	187
MISS_5	- Count of original survey responses (pre-cleaning): scalable response of don't know	187
MISS_6	- Count of original survey responses (pre-cleaning): not applicable - valid skip	187
MISS_7	- Count of original survey responses (pre-cleaning): out-of-range error	187
MISS_9	- Count of original survey responses (pre-cleaning): no response - invalid skip....	188
MISS_TOT	- Total number of missing responses (pre-cleaning)	189
JSFLAG	- Joint Service Flag	190
XENRLLMT	- Enrollment in TRICARE prime	190
XENR_PCM	- Enrollment by PCM type	190
XINS_COV	- Insurance coverage	191
XBENCAT	- Beneficiary category.....	191
XENR_RSV	- Enrollment by PCM type - reservist.....	192
XINS_RSV	- Insurance coverage - reservist	192
XREGION	- Region.....	193
XTNEXREG	- TRICARE next generation of contracts region grouping.....	193
USA	- CONUS/OCONUS indicator.....	193
XOCONUS	- Overseas Europe/Pacific/Latin indicator	193
OUTCATCH	- Out of catchment area indicator.....	194
XSEX	- Male or female (recode).....	194
XBMICAT	- Body mass index category.....	194
XBNFGRP	- Constructed beneficiary group	194
XSERVAFF	- Service affiliation.....	194
KCIVINS	- Beneficiary covered by civilian insurance	195
HP_PRNTL	- Pregnant in last year received care in 1st trimester.....	195
HP_MAMOG	- Women age 40 and over: mammography in past 2 years.....	195
HP_MAM50	- Women age 50 and over: mammography in past 2 years.....	195
HP_PAP	- All women: pap smear in last 3 years	195
HP_BP	- Blood pressure check in last 2 years and know results	196
HP_FLU	- Age 65 and older: flu shot in last 12 months.....	196
HP_OBESE	- Obese or morbidly obese.....	196
HP_SMOKE	- Advised to quit smoking in last 12 months.....	196
HP_SMKH3	- Smoker under HEDIS definition (modified).....	196
HP_CESH3	- Had smoking cessation counseling - HEDIS (modified)	196
POSTCELL	- Poststratification cell for new weights	197
FWRWT1	- Replicated/Jackknife quarterly weight 1.....	199
FWRWT2	- Replicated/Jackknife quarterly weight 2.....	200
FWRWT3	- Replicated/Jackknife quarterly weight 3.....	200
FWRWT4	- Replicated/Jackknife quarterly weight 4.....	200
FWRWT5	- Replicated/Jackknife quarterly weight 5.....	200
FWRWT6	- Replicated/Jackknife quarterly weight 6.....	201
FWRWT7	- Replicated/Jackknife quarterly weight 7.....	201
FWRWT8	- Replicated/Jackknife quarterly weight 8.....	201
FWRWT9	- Replicated/Jackknife quarterly weight 9.....	201
FWRWT10	- Replicated/Jackknife quarterly weight 10.....	202
FWRWT11	- Replicated/Jackknife quarterly weight 11.....	202
FWRWT12	- Replicated/Jackknife quarterly weight 12.....	202
FWRWT13	- Replicated/Jackknife quarterly weight 13.....	202
FWRWT14	- Replicated/Jackknife quarterly weight 14.....	203

Variable	Label	Page
FWRWT15	- Replicated/Jackknife quarterly weight 15.....	203
FWRWT16	- Replicated/Jackknife quarterly weight 16.....	203
FWRWT17	- Replicated/Jackknife quarterly weight 17.....	203
FWRWT18	- Replicated/Jackknife quarterly weight 18.....	204
FWRWT19	- Replicated/Jackknife quarterly weight 19.....	204
FWRWT20	- Replicated/Jackknife quarterly weight 20.....	204
FWRWT21	- Replicated/Jackknife quarterly weight 21.....	204
FWRWT22	- Replicated/Jackknife quarterly weight 22.....	205
FWRWT23	- Replicated/Jackknife quarterly weight 23.....	205
FWRWT24	- Replicated/Jackknife quarterly weight 24.....	205
FWRWT25	- Replicated/Jackknife quarterly weight 25.....	205
FWRWT26	- Replicated/Jackknife quarterly weight 26.....	206
FWRWT27	- Replicated/Jackknife quarterly weight 27.....	206
FWRWT28	- Replicated/Jackknife quarterly weight 28.....	206
FWRWT29	- Replicated/Jackknife quarterly weight 29.....	206
FWRWT30	- Replicated/Jackknife quarterly weight 30.....	207
FWRWT31	- Replicated/Jackknife quarterly weight 31.....	207
FWRWT32	- Replicated/Jackknife quarterly weight 32.....	207
FWRWT33	- Replicated/Jackknife quarterly weight 33.....	207
FWRWT34	- Replicated/Jackknife quarterly weight 34.....	208
FWRWT35	- Replicated/Jackknife quarterly weight 35.....	208
FWRWT36	- Replicated/Jackknife quarterly weight 36.....	208
FWRWT37	- Replicated/Jackknife quarterly weight 37.....	208
FWRWT38	- Replicated/Jackknife quarterly weight 38.....	209
FWRWT39	- Replicated/Jackknife quarterly weight 39.....	209
FWRWT40	- Replicated/Jackknife quarterly weight 40.....	209
FWRWT41	- Replicated/Jackknife quarterly weight 41.....	209
FWRWT42	- Replicated/Jackknife quarterly weight 42.....	210
FWRWT43	- Replicated/Jackknife quarterly weight 43.....	210
FWRWT44	- Replicated/Jackknife quarterly weight 44.....	210
FWRWT45	- Replicated/Jackknife quarterly weight 45.....	210
FWRWT46	- Replicated/Jackknife quarterly weight 46.....	211
FWRWT47	- Replicated/Jackknife quarterly weight 47.....	211
FWRWT48	- Replicated/Jackknife quarterly weight 48.....	211
FWRWT49	- Replicated/Jackknife quarterly weight 49.....	211
FWRWT50	- Replicated/Jackknife quarterly weight 50.....	212
FWRWT51	- Replicated/Jackknife quarterly weight 51.....	212
FWRWT52	- Replicated/Jackknife quarterly weight 52.....	212
FWRWT53	- Replicated/Jackknife quarterly weight 53.....	212
FWRWT54	- Replicated/Jackknife quarterly weight 54.....	213
FWRWT55	- Replicated/Jackknife quarterly weight 55.....	213
FWRWT56	- Replicated/Jackknife quarterly weight 56.....	213
FWRWT57	- Replicated/Jackknife quarterly weight 57.....	213
FWRWT58	- Replicated/Jackknife quarterly weight 58.....	214
FWRWT59	- Replicated/Jackknife quarterly weight 59.....	214
FWRWT60	- Replicated/Jackknife quarterly weight 60.....	214
FWRWT	- Final quarterly weight	214

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

Chapter

1

Introduction

This Codebook and Users' Guide provides a tool for programmers and analysts to assist them in creating cross-tabulations and basic statistical estimates from the Quarter II, 2018 Adult Health Care Survey of DoD Beneficiaries (HCSDB). It is intended to assist users in creating tables and generating analyses above and beyond those associated with this project.

Beginning with 2006, reporting and documentation of the HCSDB are performed on a fiscal year basis. In previous years, reporting and documentation were based on calendar years. Thus, the current codebook describes the Quarter II, 2018 dataset for fiscal year 2018. Throughout, 2018 Quarter II dataset refers to the fiscal year 2018.

This version of the Codebook and User's Guide describes the Quarter II data set. It contains frequency counts of all variables in the first quarter of fiscal year 2018.

This chapter explains how to use this guide, reviews the survey, briefly describes the sample design, and concludes with a list of other documents on the HCSDB data that may be useful for policymakers, administrators, and other users.

HOW TO USE THIS GUIDE

Chapter 2 describes the survey fielding process.

Chapter 3 describes the database conventions and types of variables in the database. Furthermore, it explains the relationship between the raw survey data and the cleaned and constructed variables preferred for data analyses.

Chapter 4 provides table-making instructions in both Statistical Analysis System (SAS) and Statistical Package for the Social Sciences (SPSS) and clearly demonstrates the basic computer programming code necessary to tabulate the data in SAS and the interactive steps involved in generating tables in SPSS (either statistical package may be used). While we assume that most users have some knowledge of computer systems and statistical processing, examples of how to create tables and the resulting output are provided in order to simplify the process of data tabulation. Due to the complexity of the sample design, we suggest that users interested in measuring the precision of their results use a statistical package capable of calculating standard errors for survey estimates, such as SUDAAN™ or SAS/STAT® V8 or higher. Sample programming code is included to estimate standard errors using appropriate methods to accommodate the complex sample design.

The codebook is presented in Chapter 5, where we give the quarterly counts for each variable in the database, including a list of all existing values of the variable, weighted and unweighted frequency counts and percent occurrences for each value, and the values' interpretation or formatting. The codebook helps users assess the availability of certain measures, specify variables of interest, and identify all possible values of a variable. The variables are listed in the order of their position on the data file, and they are grouped by source as follows:

- Sampling variables used to place beneficiaries in the appropriate strata

- Information from the Defense Enrollment Eligibility Reporting System (DEERS) at the time of sampling
- Questionnaire responses: cleaned and recoded
- Variables created during the fielding of the survey
- Coding Scheme flags and missing value counts
- Constructed variables for analysis
- Poststratification variables
- Weights

In addition, users may refer to the Table of Variables, which follows directly after the Table of Contents, for a quick-reference list intended to assist users in locating each variable.

Users interested in learning more about the technical aspects of the database creation, construction of new variables, or Mathematica's report production procedures may refer to "The 2018 Health Care Survey of DoD Beneficiaries: Adult Technical Manual," available in late 2018 from the Defense Health Agency Office.

What is the HCSDB?

The HCSDB is a health care survey of Active Duty military personnel, retirees, and their adult family members. Prior to 2011, it was comprised of an adult and a child survey, both fielded to a representative sample of beneficiaries. In 2011, only the adult survey was fielded to a representative sample of beneficiaries. Prior to 2013, the adult survey was fielded every quarter, whereas the child survey was fielded only in one quarter of each fiscal year. Beginning in FY 2013, the surveys for quarter four were canceled as a result of sequestration. Results from each quarter of the adult survey are presented as a web-based report. The survey is sponsored by the Assistant Secretary of Defense (Health Affairs) [OASD (HA)], under authority of the National Defense Authorization Act for Fiscal Year 1993 (P.L. 102-484). The survey collects data on beneficiaries' satisfaction with, and access to, health care; knowledge of the TRICARE system; and use of preventive and other health care services.

Fielded annually from 1994 to 2000, the HCSDB now is fielded quarterly (with a change to 3 quarters starting in 2013 as noted above) and consists of a fixed core questionnaire complemented by quarterly supplements intended to address topics of emerging interest. Users should note that, prior to 2000, the title of the HCSDB corresponded to the reference year that respondents were asked to think about when responding to questions. For example, although the 2000 HCSDB was fielded in 2001, beneficiaries responded to questions according to the reference period 12 months prior. Under the current naming convention the survey title refers to the year the questionnaires are fielded, so, for example, this year's survey is the 2018 HCSDB. Users should further note that, due to this change, there is no survey with the title "2001" survey, even though the questionnaire has been administered continuously throughout each quarter of 2001 through 2012, as well as 3 quarters of 2013 through 2017. The annotated questionnaire for this quarter, including the percent of responses for each variable value by all respondents to each question, appears in Appendix A. A crosswalk between the 2018 questions and the questions from the 2010, 2011, 2012, 2013, 2014, 2015, 2016, and 2017 surveys appears as Appendix C.

CAHPS Questions

To make responses comparable to civilian surveys, the HCSDB core questions are similar in content and format to questions used in the Consumer Assessment of Healthcare Providers and Systems

(CAHPS) Health Plan Survey. CAHPS is a survey program sponsored by the Agency for Health Care Research and Quality (AHRQ), U.S. Department of Health and Human Service, and the Picker Institute, which is designed to monitor beneficiaries' satisfaction with their civilian health care plan and access to health care services. In 2018, the questionnaire was based on CAHPS version 5.

Core questions are described below.

Core questions

- **Health Plan.** This section collects data on TRICARE Prime enrollment and the use of supplemental insurance and/or other private insurance.
- **Your Health Care in the Last 12 Months.** This section covers topics such as the availability of providers and their staff for both urgent and regular care. Respondents are asked to rate their health care on a scale from 0 to 10, where 0 is the lowest rating and 10 is the highest rating. They are also asked if the health care providers informed them of the available treatment options.
- **Your Personal Doctor.** In this section, respondents are asked about their relationship with their personal doctor. They are asked to rate their personal doctor on a scale from 0 to 10, where 0 is the lowest rating and 10 is the highest rating. It also covers topics like the ability of the personal doctor to listen carefully and respectfully, clearly explain things, and be informed about care received from another doctor.
- **Getting Health Care from a Specialist.** This section collects information about respondents' access to care from specialists. Respondents rate the specialist that they see most frequently on a scale from 0 to 10, where 0 is the lowest rating and 10 is the highest rating.
- **Your Health Plan.** This section is designed to measure beneficiaries' satisfaction with their primary health plan. Respondents are asked to rate their health plan on a scale of 0 to 10 where 0 is the lowest rating and 10 is the highest rating. Additionally, respondents are asked questions about any problems they may have encountered with getting necessary care, claims processing, customer service, processing paperwork, and finding necessary information in written materials or from the Internet.
- **Preventive Care.** This section collects information on the use of preventive health care services, including blood pressure readings and flu shots. All women are asked about Pap smears; women that are or have been pregnant within the past 12 months are questioned about prenatal care. Women age 40 and over are asked about mammography. All respondents are asked whether they smoke or use tobacco products. Tobacco users are asked to identify the type of tobacco products they used and how often they received cessation counseling from a health care professional.
- **About You.** This section asks basic background and health status questions. Beneficiaries are asked how they view their general health. They are further asked to report their height, weight, education level, race, and age.

Quarter II Supplements

- **Personal Doctor.** Questions in this supplement ask about the respondent's personal doctor. Respondents are asked whether they had the same personal doctor prior to joining their current health plan and whether they were happy with their personal doctor once they joined the health plan, the availability of their doctor, and their satisfaction with their health care on their last visit.

- **Electronic Cigarettes.** The question in this supplement asks whether the respondent uses electronic cigarettes every day, some days, or not at all.

Sample Design Overview

The sample of beneficiaries for the HCSDB was drawn from an extract file of the DEERS database of military health system (MHS) beneficiaries with a specific reference date. The DEERS extract file includes all eligible MHS beneficiaries as follows:

- Everyone in the Uniformed Services and on Active Duty (Army, Air Force, Navy, Marine Corps, Coast Guard, the Commissioned Corps of the Public Health Service, National Oceanic and Atmospheric Administration, Guard/Reserve personnel who are activated for a period in excess of 30 days), and other special categories of people who qualify for benefits
- Those who retired from military careers
- Immediate family members of people in the previous two categories
- Surviving family members of people from the first two categories.

A stratified sample design was used to select DoD health care beneficiaries for the Quarter II, 2018 Adult HCSDB. Specific information on the sample design will appear in "Health Care Survey of DoD Beneficiaries: 2018 Adult Sampling Report", Mathematica Policy Research, Washington, D.C.

From a sample of 100,476 beneficiaries, 12,849 adult MHS beneficiaries completed and returned a 2018 Adult HCSDB questionnaire for the second quarter, yielding a response rate of 12.8 percent. Information on developing response rates will be found in the "2018 Health Care Survey of DoD Beneficiaries: Adult Technical Manual".

Other Documents on the 2018 HCSDB

This document is intended for programmers and analysts using the Quarter II, 2018 Adult HCSDB data. The following is a list of other documents that may be requested from the Defense Health Agency Office:

- 2018 Health Care Survey of DoD Beneficiaries: Adult Technical Manual (Available late 2018)
- 2018 Health Care Survey of DoD Beneficiaries: TRICARE Annual Report (Available late 2018)

Chapter

2

Survey of Adults

This chapter presents information on the survey administration cycle for the Quarter II, 2018 Adult Health Care Survey of DoD Beneficiaries (HCSDB), with specific details on the survey mailing cycle and the number of surveys returned.

A. SURVEY OPERATIONS ACTIVITIES

The Health Care Survey of DoD Beneficiaries (HCSDB) converted from a mail survey with Internet option in previous years to an all-Internet survey in FY2014. Beginning in Quarter III of FY2015, a sub-sample of beneficiaries – excluding Active Duty, Guard/Reserve, and some Inactive Guard/Reserve with e-mail addresses – received a paper questionnaire along with the reminder letter in addition to the mail version of the pre-notification letter. In Quarter II, 2018, the sub-sample receiving the paper questionnaire consisted of 41,302 beneficiaries who had not yet responded to the survey halfway through the 12 week field period.

Operational support for the Quarter II, 2018 HCSDB involved two mailings to all beneficiaries on January 3, 2018 and February 13, 2018 and nine emailings to Active Duty members from January 9, 2018 to March 21, 2018. The mailings include:

1. Invitation letter with instructions on how to access the Internet survey.
2. Reminder letter with instructions on how to access the internet survey.
3. A paper questionnaire.

Both the Invitation Letter and the Reminder Letter include instructions on how to do the survey via the Internet and provide the respondent with their internet password. The Reminder Letter encourages the beneficiary to complete the survey if they have not yet done so. Furthermore, Mathematica emailed the Active Duty members nine times over the course of the Quarter II survey period. Each email included the service members' password for the survey.

B. SAMPLE

A change in the sample file to increase response rate was initiated in Quarter I, 2014. Up to Quarter I, 2009, the Adult HCSDB was conducted quarterly on a sample of 50,000 beneficiaries, and starting in Quarter II, 2009, the sample size was increased to 51,000. In Quarter I, 2014 the sample size was again increased, this time to approximately 100,000 records.

The Quarter II, 2018 sample contained 100,476 records. This quarter the HCSDB invitation letter was mailed/emailed out to 100,114 respondents. The remaining 362 records did not include either the respondents' names or addresses (or in the case of Active Duty, the email or mailing address) and so were not able to be mailed/emailed.

C. SURVEY PROCESSING

Ipsos applies a Bar Code, Control Number (MIQ) and Password to each beneficiary upon receipt of the sample. This system ensures that all data collected is aggregated and available throughout the survey lifecycle. Each of the identifying labels is detailed below:

Barcode

Digits 1-3 – Study Marker (202=HCSDB FY18Q2)

Digits 4-10 – Sequential ID #

Digits 11-14 - Wave Marker (8201=invite, 8202=reminder letter only, 8212=reminder with questionnaire)

Digit 15 – Check Digit

Control Number (MIQ) - 10-digit unique identifier

Digits 1-3 – Study Marker (202=HCSDB FY18Q2)

Digits 4-10 – Sequential ID #

Password

Non-sequential 7-digit password (for online response access) – To ensure that the password is unique across all samples and across all DoD studies, the first digit is assigned to a specific quarter and study. For FY18Q2 the first digit was 4.

D. ADDRESSES

The HCSDB is designed so that beneficiaries may receive up to two mailings. Ipsos may collect up to seven addresses for each beneficiary in order to maximize the receipt rate for mailing. Addresses from Center for Health Care Strategies, Inc (CHCS) were used starting in Quarter I, 2008.

The first available address in the following order was used for each mailing.

Respondent Updated

United States Postal Service (USPS) Updated

National Change of Address (NCOA)

CHCS

Residential

Sponsor

Unit

The origin of the addresses is as follows:

- NCOA Address

Upon receipt of the initial sample and prior to the Pre-Notification mailing, Ipsos selects the best available address for each beneficiary and sends it to an NCOA vendor for updating and hygiene services. The updated address returned by the vendor is marked as the NCOA address. The definition of “best address” changed in Quarter I, 2009. Ipsos compared the date on the Residential address to the date on the CHCS address. The address that had the more current date was sent off for NCOA processing. If the dates were the same or if one/both were missing dates, then the hierarchy of CHCS then Residential would prevail.

- Respondent Updates

Respondents were able to report address and status changes via regular mail, telephone, fax, and email. Address changes submitted by respondent were considered priority over any other address type.

- Address Correction via USPS

The USPS provided address corrections on returned mail if available.

- Sample Refreshes

Another change made in Quarter I, 2009 was the use of the sample refreshes sent by Altarum for the first and second questionnaire mailings. Prior to Quarter I, 2009, Ipsos used information on recently deceased beneficiaries, information regarding beneficiaries who were no longer in the TRICARE program (nomatch), and any updated addresses for the subsequent mailings. Starting in Quarter I, 2009, Ipsos only used the deceased and nomatch information, and did not use any refreshed addresses in order to maintain the integrity of the NCOA address. Starting in Quarter IV, 2011, the only Active Duty respondents who were mailed surveys were those who did not have a valid/known email address.

Table 2.1 gives the address breakdown for each mailing by beneficiary category.

Table 2.1
Frequency of Address by Beneficiary Category – Total Sample – Quarter II, 2018

Note: The survey invitation letters were mailed to all Beneficiaries.

	Active Duty (ACT)	Dependent of Active Duty (DA)	Guard/ Reserve (GRD)	Dependent of Guard/ Reserve (DGR)	Inactive Guard/ Reserve (IGR)	Dependent of Inactive Guard/ Reserve (IDG)	Retiree (RET)	Dependent of Retiree (DR)	Survivor (DS)	Other (OTH)	Total
SURVEY INVITATION LETTER	26492	32840	2636	3948	936	1255	14693	15736	1399	179	100114
NCOA Updated CHCS	471 0.47%	402 0.40%	45 0.04%	17 0.02%	6 0.01%	0 0.00%	103 0.10%	99 0.10%	7 0.01%	2 0.00%	1152 1.15%
Original CHCS	11790 11.78%	8340 8.33%	626 0.63%	328 0.33%	77 0.08%	18 0.02%	3873 3.87%	3883 3.88%	230 0.23%	20 0.02%	29185 29.15%
NCOA Updated Residence	736 0.74%	2081 2.08%	97 0.10%	252 0.25%	67 0.07%	101 0.10%	414 0.41%	586 0.59%	82 0.08%	14 0.01%	4430 4.42%
Original Residence	13212 13.20%	21960 21.93%	1813 1.81%	3336 3.33%	785 0.78%	1134 1.13%	10303 10.29%	11143 11.13%	1077 1.08%	143 0.14%	64906 64.83%
NCOA Updated Sponsor	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	1 0.00%	0 0.00%	1 0.00%
Original Sponsor	0 0.00%	57 0.06%	0 0.00%	15 0.01%	0 0.00%	2 0.00%	0 0.00%	25 0.02%	2 0.00%	0 0.00%	101 0.10%
Original Unit	283 0.28%	0 0.00%	55 0.05%	0 0.00%	1 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	339 0.34%

Table 2.1 (continued)

Note: The survey invitation reminder letters were mailed to all Beneficiaries who have not completed the survey. Additionally, paper questionnaires were mailed to a sample of Beneficiaries other than Active Duty sponsors, Guard/Reserve sponsors, and some Inactive Guard/Reserve sponsors.

	Active Duty (ACT)	Dependent of Active Duty (DA)	Guard/ Reserve (GRD)	Dependent of Guard/ Reserve (DGR)	Inactive Guard/ Reserve (IGR)	Dependent of Inactive Guard/ Reserve (IDG)	Retiree (RET)	Dependent of Retiree (DR)	Survivor (DS)	Other (OTH)	Total
REMINDER LETTER	22417	31441	2186	3769	853	1208	12625	14329	1266	158	90252
Respondent/USPS Update	176 0.20%	343 0.38%	19 0.02%	39 0.04%	3 0.00%	7 0.01%	34 0.04%	49 0.05%	1 0.00%	3 0.00%	674 0.75%
Default CHCS	771 0.85%	553 0.61%	47 0.05%	46 0.05%	23 0.03%	17 0.02%	142 0.16%	164 0.18%	16 0.02%	8 0.01%	1787 1.98%
Original CHCS Address	8729 9.67%	7609 8.43%	466 0.52%	295 0.33%	61 0.07%	16 0.02%	3232 3.58%	3439 3.81%	196 0.22%	16 0.02%	24059 26.66%
Default Residence	1762 1.95%	2709 3.00%	175 0.19%	305 0.34%	78 0.09%	111 0.12%	634 0.70%	868 0.96%	102 0.11%	16 0.02%	6760 7.49%
Original Residence	9860 10.92%	19571 21.68%	1379 1.53%	3032 3.36%	675 0.75%	1039 1.15%	8583 9.51%	9572 10.61%	899 1.00%	109 0.12%	54719 60.63%
Default Sponsor	1 0.00%	656 0.73%	0 0.00%	52 0.06%	0 0.00%	18 0.02%	0 0.00%	236 0.26%	52 0.06%	4 0.00%	1019 1.13%
Default Unit	1118 1.24%	0 0.00%	100 0.11%	0 0.00%	13 0.01%	0 0.00%	0 0.00%	1 0.00%	0 0.00%	2 0.00%	1234 1.37%

E. SURVEY ADMINISTRATION TIMELINE

Quarter II

Event	Date
File Receipt	15 Dec
NCOA Update	19 Dec
Invitation letter	3 Jan
Email 1 reminder to AD	9 Jan
Altarum-DEERS Update	19 Jan
Email 2 reminder to AD	16 Jan
Email 3 reminder to AD	23 Jan
Email 4 reminder to AD	30 Jan
Reminder letter	13 Feb
Email 5 reminder to AD	6 Feb
Email 6 reminder to AD	13 Feb
Email 7 reminder to AD	20 Feb
Email 8 reminder to AD	14 Mar
Email 9 reminder to AD	21 Mar
Close of Field	30 Mar
File to MPR	13 Apr

F. DISPOSITION CODES

Ipsos assigns disposition codes to each sample member as the information is received and questionnaire is returned. These codes are outlined below.

- FLAG_FIN=1
Returned survey – survey was completed and returned.
- FLAG_FIN=2
Returned ineligible – survey was returned with at least one question marked and information that the beneficiary was ineligible. The information indicating ineligibility may have come by mail, phone, fax, or the survey itself.
- FLAG_FIN=3
Returned blank – temporarily ill or incapacitated. Survey was returned blank along with information that the beneficiary was temporarily ill or incapacitated. These sample members were eligible.
- FLAG_FIN=4
Returned blank – deceased. Survey was returned blank along with information that the beneficiary was deceased. These sample members were ineligible.
- FLAG_FIN=5
Returned blank – incarcerated or permanently incapacitated. Survey was returned blank along with information that the beneficiary was incarcerated or permanently hospitalized. These sample members were ineligible.

- FLAG_FIN=6
Returned blank – left military or divorced after date of initial sample pull, or retired. Survey was returned blank along with information that the beneficiary left the military after initial sample pull, divorced after initial sample pull, or retired. These sample members were eligible.
- FLAG_FIN=7
Returned blank – not eligible on date of initial sample pull. Survey was returned blank along with information that the beneficiary was not eligible for Military Health System Plan on initial sample pull. These sample members were ineligible.
- FLAG_FIN=8
Returned blank – other eligible. Survey was returned blank along with a reason given by the sample member. These sample members were eligible.
- FLAG_FIN=9
Returned blank – no reason. Survey was returned blank without an explanation. These sample members were eligible.
- FLAG_FIN=10
No return – temporarily ill or incapacitated. Survey was not returned and beneficiary was temporarily ill or incapacitated. These sample members were eligible.
- FLAG_FIN=11
No return – active refuser. Survey was not returned and beneficiary refused to take part in the survey. These sample members were eligible.
- FLAG_FIN=12
No return – deceased. Survey was not returned and beneficiary deceased. These sample members were ineligible.
- FLAG_FIN=13
No return – incarcerated or permanently incapacitated. Survey was not returned, beneficiary was incarcerated or permanently hospitalized. These sample members were ineligible.
- FLAG_FIN=14
No return – left military or divorced after date of initial sample pull, or retired. Survey was not returned, beneficiary left service after initial sample pull, divorced after initial sample pull, or retired. These sample members were eligible.
- FLAG_FIN=15
No return – not eligible on date of initial sample pull. Survey was not returned, and beneficiary was not eligible for Military Health System Plan on initial sample pull. These sample members were ineligible.

Example: Beneficiary turned 21 and is no longer covered under parents' plan.

- FLAG_FIN=16
No return – other eligible. Survey was not returned, beneficiary gave other reason for not completing the survey. These sample members were eligible.

Examples: Beneficiary claims they have not used benefits in past 12 months.
 Beneficiary is away at college, on a religious mission, or lives overseas.
 Received information that beneficiary chosen for survey does not speak English well enough to participate.

- FLAG_FIN=17
No return – no reason. Survey was not returned, and beneficiary gave no reason. These sample members had unknown eligibility.
- FLAG_FIN=18
Postal Non Deliverable (PND) – no address remaining. All addresses were attempted, mailing was returned PND. These sample members had unknown eligibility.
- FLAG_FIN=19
PND – address remaining at the close of field. At the close of field, the last address used was found invalid, next available was not attempted. These sample members had unknown eligibility.
- FLAG_FIN=20
Original Non-Locatable – no address at start of mailing. Substantially incomplete or blank address field before the survey was administered, and no mailings attempted. These sample members had unknown eligibility.
- FLAG_FIN=21
Beneficiary provides written documentation declining to participate but doesn't specify a reason. These sample members were eligible.
- FLAG_FIN=22
Beneficiary indicates they are hospitalized but without providing any way to determine whether incapacity is temporary or permanent. Therefore, eligibility determination can not be made. These sample members had unknown eligibility.
- FLAG_FIN=23
Returned blank – deployed. Survey was returned blank along with information that the beneficiary was deployed. These sample members were eligible.
- FLAG_FIN=24
No return – deployed. Survey was not returned, and beneficiary was deployed. These sample members were eligible.
- FLAG_FIN=25
Deceased. Beneficiary coded as deceased due to refresh sample sent by Altarum. These sample members were ineligible.
- FLAG_FIN=26
No match. Not eligible indicated by Altarum-DEERS update. Beneficiary coded as no longer having TRICARE coverage due to sample refresh.

Table 2.2 shows frequencies of these disposition codes by beneficiary category.

Table 2.2

Frequency of Disposition by Beneficiary Category – Total Sample – Quarter II, 2018

	Active Duty (ACT)	Dependent of Active Duty (DA)	Guard/ Reserve (GRD)	Dependent of Guard/ Reserve (DGR)	Inactive Guard/ Reserve (IGR)	Dependent of Inactive Guard/ Reserve (IDG)	Retiree (RET)	Dependent of Retiree (DR)	Survivor (DS)	Other (OTH)	Total
RETURNED	4650	1722	587	224	124	57	3346	2503	218	6	13437
Completed (1)	4650 4.63%	1722 1.71%	587 0.58%	224 0.22%	124 0.12%	57 0.06%	3346 3.33%	2500 2.49%	217 0.22%	6 0.01%	13433 13.37%
Ineligible (2)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	3 0.00%	1 0.00%	0 0.00%	4 0.00%
Temporarily Ill or Incapacitated (3)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Deceased (4)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Incarcerated or Permanently Incapacitated (5)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Left Military or divorced after initial sample pull, retired (6)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Not Eligible after initial sample pull (7)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Other Eligible (8)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
No Reason (9)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
NO RETURN	19370	30081	1866	3605	775	1173	11109	12824	1091	146	82041
Temporarily Ill or Incapacitated (10)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Active Refusal (11)	1 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	1 0.00%	14 0.01%	12 0.00%	6 0.00%	0 0.00%	34 0.03%

2.2 (continued)

	Active Duty (ACT)	Dependent of Active Duty (DA)	Guard/ Reserve (GRD)	Dependent of Guard/ Reserve (DGR)	Inactive Guard/ Reserve (IGR)	Dependent of Inactive Guard/ Reserve (IDG)	Retiree (RET)	Dependent of Retiree (DR)	Survivor (DS)	Other (OTH)	Total
Deceased (12)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	1 0.00%	0 0.00%	1 0.00%	0 0.00%	2 0.00%
Incarcerated or Permanently Incapacitated (13)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	4 0.00%	1 0.00%	0 0.00%	5 0.00%
Left Military or divorced after survey start, retired (14)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Not Eligible as of survey start (15)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.01%
Other Eligible (16)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.01%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
No Reason (17)	19369 19.27%	30081 29.93%	1866 1.86%	3605 3.59%	775 0.77%	1172 1.17%	11094 11.04%	12808 12.74%	1083 1.08%	147 0.15%	82000 81.59%
PND	2513	982	219	120	38	26	252	418	94	12	4674
No Address Remaining (18)	1137 1.13%	492 0.49%	104 0.10%	64 0.06%	19 0.02%	14 0.01%	148 0.15%	117 0.12%	47 0.05%	2 0.00%	2144 2.13%
Address Remains at Close of Field (19)	1275 1.27%	486 0.48%	72 0.07%	53 0.05%	17 0.02%	11 0.01%	102 0.10%	300 0.30%	43 0.04%	10 0.01%	2369 2.36%
No Address at Start of Mailing (20)	101 0.10%	4 0.00%	43 0.04%	3 0.00%	2 0.00%	1 0.00%	2 0.00%	1 0.00%	4 0.00%	0 0.00%	161 0.16%
MISCELLANEOUS	0	0	0	0	0	0	0	0	0	0	0
Written Refusal without Reason (21)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Ill or Incapacitated – Unsure whether Temporary or Permanent (22)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%

2.2 (continued)

	Active Duty (ACT)	Dependent of Active Duty (DA)	Guard/ Reserve (GRD)	Dependent of Guard/ Reserve (DGR)	Inactive Guard/ Reserve (IGR)	Dependent of Inactive Guard/ Reserve (IDG)	Retiree (RET)	Dependent of Retiree (DR)	Survivor (DS)	Other (OTH)	Total
DEPLOYED	0	0	0	0	0	0	0	0	0	0	0
Returned Blank (23)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
No Return (24)	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
SAMPLE REFRESH	145	121	12	5	3	1	19	18	4	27	355
Deceased Indicated by Altarm- DEERS Update (25)	2 0.00%	5 0.00%	0 0.00%	1 0.00%	0 0.00%	0 0.00%	16 0.02%	15 0.01%	2 0.00%	0 0.00%	41 0.04%
Not Eligible Indicated by Altarm- DEERS Update (26)	143 0.14%	116 0.12%	12 0.01%	4 0.00%	3 0.00%	1 0.00%	3 0.00%	3 0.00%	2 0.00%	27 0.03%	314 0.31%
TOTALS	26678	32906	2684	3954	940	1257	14726	15763	1407	192	100507
YIELD RATE	17.43%	5.23%	21.87%	5.67%	13.19%	4.53%	22.72%	15.88%	15.49%	3.13%	13.37%

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

Description of the Adult HCSDB Database

This chapter presents the procedures for developing the database, and discusses the database file layout.

VARIABLE NAMING CONVENTIONS

The conventions used to name variables on the 2018 Adult HCSDB data file are listed below and summarized in Table 3.1. The naming conventions remain constant across the three quarters of the 2018 HCSDB.

- **Survey Variables.** Variable names for core survey questions consist of up to eight alphanumeric characters that start with an alpha character ("H" for Adult survey variables), followed by a year designation ("18") and ending with three numbers and, if necessary, one alpha character to identify the relevant survey question. Recoded variables have the same names as on the annotated survey. The original variables are suffixed with "_O"; these will not be on the public release file.
- **Supplemental Question Variables.** Each quarter, the questionnaire includes a battery of questions on specific health care topics concerning services offered to MHS beneficiaries. Like the core questions, supplemental questions also include up to eight alphanumeric characters; each variable begins with an "S" to distinguish it as a supplemental question, followed by the year designation ("18"). The variable ends with an alphanumeric character or characters denoting the supplemental topic followed by the question number in the supplemental series as necessary.
- **Self-Reported Data.** Defense Manpower Data Center (DMDC) standard demographic self-reporting variables on the adult survey are prefixed with "SR." Survey variables with this naming convention include SRRACEA-SRRACEE (race/ethnicity) and SREDA (education).
- **Coding Scheme Flags and Counts.** Coding Scheme flags, variables like N1-N25, reference the notes in the Coding Scheme for the Adult Survey. See Appendix D for the Coding Scheme for Quarter II for more information. Coding Scheme counts are sums of missing value responses for each questionnaire; each of these variable names begins with the 4 characters "MISS".
- **Constructed Independent Variables.** Independent variables are prefixed with an "X." These include original survey variables modified as a result of data cleaning or recoding and newly constructed variables that did not previously exist on the survey file. For example, since the variable PNSEXCD was modified as a result of data cleaning and recoding, it was renamed XSEXA.
- **Constructed Dependent Variables.** Dependent variables are given different prefixes depending on function. Healthy People 2020 variables, for example, are prefixed with an "HP" and all other newly constructed dependent variables are prefixed with a "K."
- **Constructed Restricted Use Variables.** Original DEERS variables that have been recoded to maintain the confidentiality of the respondent are prefixed with "R."
- **Weighting Variables.** Quarterly weighting variables are prefixed with a "FW".

TABLE 3.1

NAMING CONVENTIONS FOR 2018 HCSDB VARIABLES – QUARTER II

1 st Character: Survey Type	2 nd – 3 rd Characters: Survey Year	4 th – 6 th Characters: Question #	Additional Characters: Additional Information
H= Health Beneficiaries (18 and older, Adult Questionnaire) ----- S = Supplemental Question	18	001 to 073 ----- Quarter I 009-011, 014 – Supplemental questions about visits to the respondent's healthcare provider. BF4 – Supplemental question about electronic cigarettes	A to V are used to label responses associated with a multiple response question

1 st Characters: Variable Group	Additional Characters: Additional Information
SR=Self-reported demographic data	Descriptive text, e.g., SREDA
N=Coding Scheme notes	Number referring to Note, e.g., N2
X=Constructed independent variable	Descriptive text, e.g., XREGION
HP=Constructed <i>Healthy People</i> 2020 variable	Descriptive text, e.g., HP_BP (had blood pressure screening in past two years and know the results)
R=Constructed restricted use variables	Descriptive text, e.g., RDAGEQY (Age at time of data collection- capped-grouped those 18 and below, 65 and above)
K=Constructed dependent variables	Descriptive text, e.g., KCIVINS (beneficiary covered by civilian insurance)
FW=Quarterly weighting variables	Descriptive text, e.g., FWRWT for the overall final quarterly weight; Number referring to replicate weights, e.g., FWRWT10

CLEANING AND EDITING CONVENTIONS

Data quality procedures are found in the Coding Scheme tables. The complete Coding Scheme for Quarter II appears in Appendix D. It contains detailed instructions for all editing procedures used to correct data inconsistencies and errors. Editing procedures check for appropriate response values and consistent responses throughout the questionnaire. The steps to insure data quality include the following:

- **Initial Cleaning.** Missing value flags were encoded when Ipsos created the SAS dataset:

- Skipped items were encoded with SAS missing value code of ‘.’.
- **Data Cleaning and Recoding of Variables – Implementation of the Coding Scheme.** Skip patterns were checked for consistency, and questions that were skipped legitimately were recoded with the SAS missing value of “.N”; questions that were answered, but should have been skipped, were recoded with a SAS missing value of “.C”. When possible, variables were backward coded or forward coded to make all responses consistent within a sequence. Numeric values were checked, and values that were out of range were flagged with the SAS missing value of “.O”.
- **Frequency Checks.** Formatted and unformatted frequency tables for all variables in Quarter II, 2018 Adult HCSDb data file appear in Chapter 5 of this document. These frequency tables and other relevant cross tabulations were used to examine the range of values recorded for each data item to determine the type and magnitude of missing values. All value labels have been checked for accuracy.

RECORD SELECTION CRITERIA

Blank returns, nonrespondents, and any respondents found to be ineligible for MHS benefits were removed from the database. In addition, among eligible respondents with a non-blank questionnaire, a questionnaire must be “complete” to be included in the database. If there are multiple questionnaires received from a single respondent, only the most complete questionnaire is retained.

To determine if a questionnaire is “complete”, 20 key questions were chosen. These key questions were adapted from the complete questionnaire rule developed by AHRQ for CAHPS surveys. At least 50 percent of these key items (more than nine) must be answered for a questionnaire to be accepted as a complete questionnaire. The key survey variables are: H18003, H18006, H18009, H18013, H18018, H18019, H18025, H18027, H18028, H18031, H18033, H18040, H18043, H18048, H18051, H18052, H18065, H18073, SREDA, and the race indicator variables (SRRACEA-SRRACEE).

Weighting Procedures

The analysis of survey data from complex sample designs, such as the 2018 Adult HCSDb, requires weights to do the following:

- Compensate for variable probabilities of selection
- Adjust for differential response rates
- Improve the precision of the survey-based estimates through post-stratification [for details, see Brick and Kalton (1996) and references cited therein].

Basic sampling weights are equivalent to the reciprocal of the probability of each respondent’s selection into the sample. These basic sampling weights are further adjusted for nonresponse within the classes formed based on the percentiles of the propensity scores from the propensity model. Finally, we poststratified the nonresponse adjusted weights to the frame totals to obtain specific domain weighted totals equal to the population totals. Chapter 5 contains the weighted and unweighted frequencies for each variable in Quarter II. For further details on the 2018 weighting, see “2018 Health Care Survey of DoD Beneficiaries: Technical Manual”.

PAGE IS INTENTIONALLY LEFT BLANK TO ALLOW FOR DOUBLE-SIDED COPYING

Chapter

4

Programming Guide

This chapter is designed to help users create tables and variance estimates. Procedures for using SAS, SPSS, and SUDAAN to create estimates are explained. Examples provided in the text are based on the Quarter II, 2018 HCSDB dataset.

HOW TO MAKE A TABLE USING SAS

The Quarter II, 2018 Adult HCSDB dataset is provided in a Statistical Analysis System (SAS) 9 format. SAS is a computer software system used for data management, summarization, and analysis. A format library for the adult database is included along with the dataset. SAS can be run interactively or non-interactively (in batch mode), and the sample programs presented here can be run using either method. Special instructions are given later in the chapter for working interactively with the SAS Display Manager System in a Windows environment. All SAS programs generate a LOG and a LST file. The LOG file shows how SAS interprets your program and flags SAS syntax errors. The LST file shows the requested output.

File References, Libraries, and Options

SAS recognizes two types of datasets -- permanent and temporary. Permanent datasets, such as the HCSDB, are located through a LIBNAME that references the directory where the data is stored. For example, if the Quarter II, 2018 adult dataset is located on a CD-ROM in the subdirectory HCSDB18\FORMA\Q2, your LIBNAME statement must look like this:

```
LIBNAME INFORMA 'F:\HCSDB18\FORMA\Q2';
```

The adult dataset can then be referred to as INFORMA.HCSDB18, where INFORMA is the location of the file HCSDB18.

A format library requires a LIBNAME LIBRARY statement that shows the location of the format library. For example, if the adult format library is stored on your hard drive in a FMTLIB subdirectory, the LIBNAME statement should look like this:

```
LIBNAME LIBRARY 'C:\HCSDB18\FORMA\Q2\FMTLIB';
```

The OPTIONS statement controls page format and line length. A table with a “portrait” orientation might have this statement:

```
OPTIONS PS=79 LS=132;
```

A table with a “landscape” orientation that is left justified would have this OPTIONS statement:

```
OPTIONS PS=50 LS=175 NOCENTER;
```

DATA Step

The DATA step is used to create permanent or temporary datasets. It is also used to create new variables, modify existing variables, and limit the number of variables or observations. In a DATA step, you can do any or all of the following activities:

- Construct new variables. For example, to construct a variable of Active Duty by sex:

```
/* Active Duty males */  
IF XSEX = 1 AND XBNFGRP = 1 THEN XSEX_AD = 1;  
* Active Duty females;  
ELSE IF XSEX = 2 and XBNFGRP = 1 THEN XSEX_AD = 2;  
ELSE XSEX_AD = .; /* missing value */
```

[Note: the two methods to insert comments: enclosed within /* */ or beginning with * and ending with a semicolon]

- Modify existing variables. For example, if the respondent is in region 7, the respondent will be placed in the combined region 7/8:

```
IF XREGION = 7 THEN XREGION = 8;
```

- Limit the number of variables. Use a KEEP statement:

```
KEEP XREGION SVCSMPL H18050 H18052;
```

- Limit the number of observations. Use a subsetting IF:

```
/* Keep only TNEX region 3 observations */  
IF XTNEXREG = 3;
```

- Create a new temporary dataset. For example, SVC_1 is a temporary file of observations for only those respondents in service branch 1 (Army):

```
LIBNAME INFORM 'F:\HCSDB18\FORMA\Q2';  
DATA SVC_1;  
/* Input file is HCSDB18 */  
SET INFORM.HCSDB18;  
IF SVCSMPL = 1;  
RUN;
```

- Create a new permanent dataset. For example, OUT.SVC_2 is a permanent dataset only of Navy respondents:

```
LIBNAME INFORM 'F:\HCSDB18\FORMA\Q2';  
LIBNAME OUT 'C:\HCSDB18\FORMA\Q2';  
DATA OUT.SVC_2;  
SET INFORM.HCSDB18;  
IF SVCSMPL = 2;  
RUN;
```

PROC TABULATE

PROC TABULATE produces summary statistics in a table layout. The table can have up to three dimensions: page, row, and column. Within any dimension, multiple variables can be reported one after another or hierarchically. Useful statistics that are available in PROC TABULATE include:

- N number of observations with nonmissing values
- NMISS number of observations with missing values
- MEAN the arithmetic mean
- SUM the sum
- PCTN percent that one frequency represents of another frequency
- PCTSUM percent that one sum represents of another sum

The essential elements to execute PROC TABULATE are outlined below (items within < > are not required):

```
PROC TABULATE DATA=your dataset <option list>;  
CLASS class variables;  
VAR analysis variables;  
TABLE << page expression, > row expression, > column expression </ table options >;  
WEIGHT FWRWT;  
RUN;
```

If the input file is to be limited to a specific population, a separate DATA step can precede the TABULATE, or a WHERE statement can be used within the TABULATE procedure. For example, to create a table from only respondents in service branch 1, you would use the following statement after the PROC TABULATE statement:

```
WHERE SVCSMPL = 1;
```

CLASS variables are any variables that are used for grouping; variables such as XTNEXREG, XSEXA, and SVCSMPL are good examples of class variables. Class variables can be either character or numeric and typically have a discrete number of values. Unless MISSING is specified in the options list in the PROC TABULATE statement, any observations with a missing CLASS variable will be dropped from the table.

The VAR statement identifies all analysis variables for a table. Analysis variables must be numeric and can be either discrete or continuous. SAS excludes missing values when computing statistics such as means and percentages.

The WEIGHT statement identifies the numeric variable whose value is used for weighting each analysis variable. In the HCSDb for Quarter II, 2018, the weight variable is FWRWT.

The TABLE statement defines the table features. Every variable listed in this statement **must** be classified as either a class variable or an analysis variable in the CLASS or VAR statements. A comma separates each table dimension (page, row, and column). If there are three dimensions, the first is the page, the second is the row, and the last is the column. If there are only two dimensions, the first is the row and the second is the column. Tables with only one dimension are in column form. Each dimension expression is composed of the same following elements:

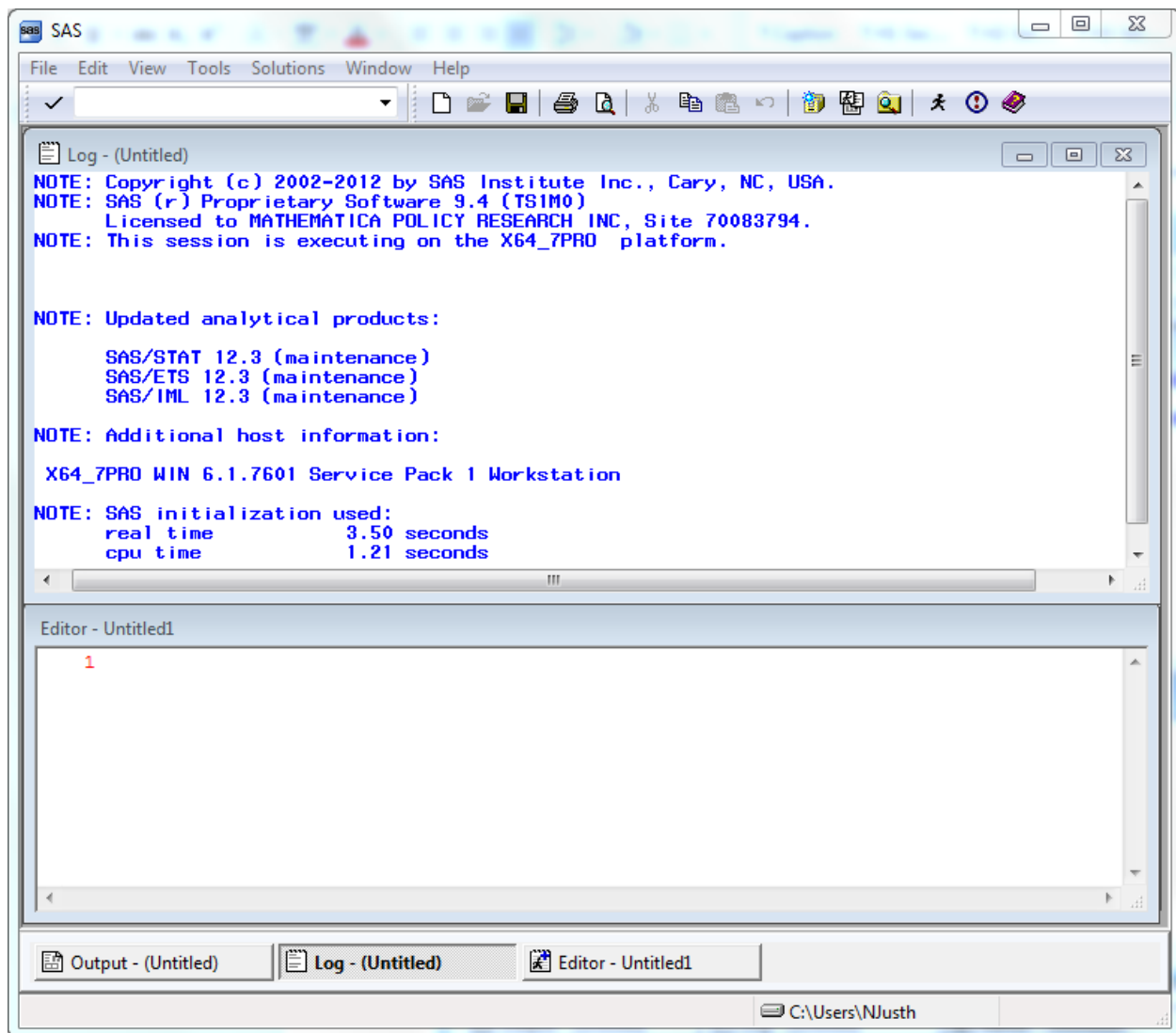
- Analysis variables

- Class variables
- The universal class variable ALL, which summarizes the class variables in the same group or dimension
- Keyword for the statistic to be performed, such as MEAN, SUM, or PCTSUM
- A format modifier, which defines how to format values in cells. For example, F=8.2 will present values with a maximum of 8 positions and 2 digits to the right of the decimal.
- Labels, which temporarily replace variable names and statistic keywords. These labels have the form =*/label*; for example, XTSEXREG=TNEX Region' or MEAN=' (to eliminate the word MEAN from the headings).
- Crossing operator * (asterisk). The asterisk is used to cross elements within the same dimension. For example, you would use XENRLLMT*XSEXA to cross enrollment status by sex. The asterisk is also used to connect the statistic (e.g., MEAN, SUM) to the appropriate dimension; for example, to calculate the mean of respondents' satisfaction with all health care in the last 12 months, you would use H18018*MEAN.
- Denominator definitions are enclosed by < > (brackets).
- Concatenation operator is a single space between elements in a dimension. For example, to concatenate satisfaction with all health care in the last 12 months with satisfaction with health plan, you would use H18018 H18048.
- Grouping is accomplished with parentheses. Below is an example of grouping, concatenation, and crossing within a single dimension:

(XBNFGRP ALL)*XSEXA

The SAS Display Manager System

The SAS Display Manager system provides an interactive tool for running SAS commands, like those given above, in the Windows environment. Double clicking the SAS icon on the desktop begins the SAS session. When you first enter SAS version 9, the following screen opens.

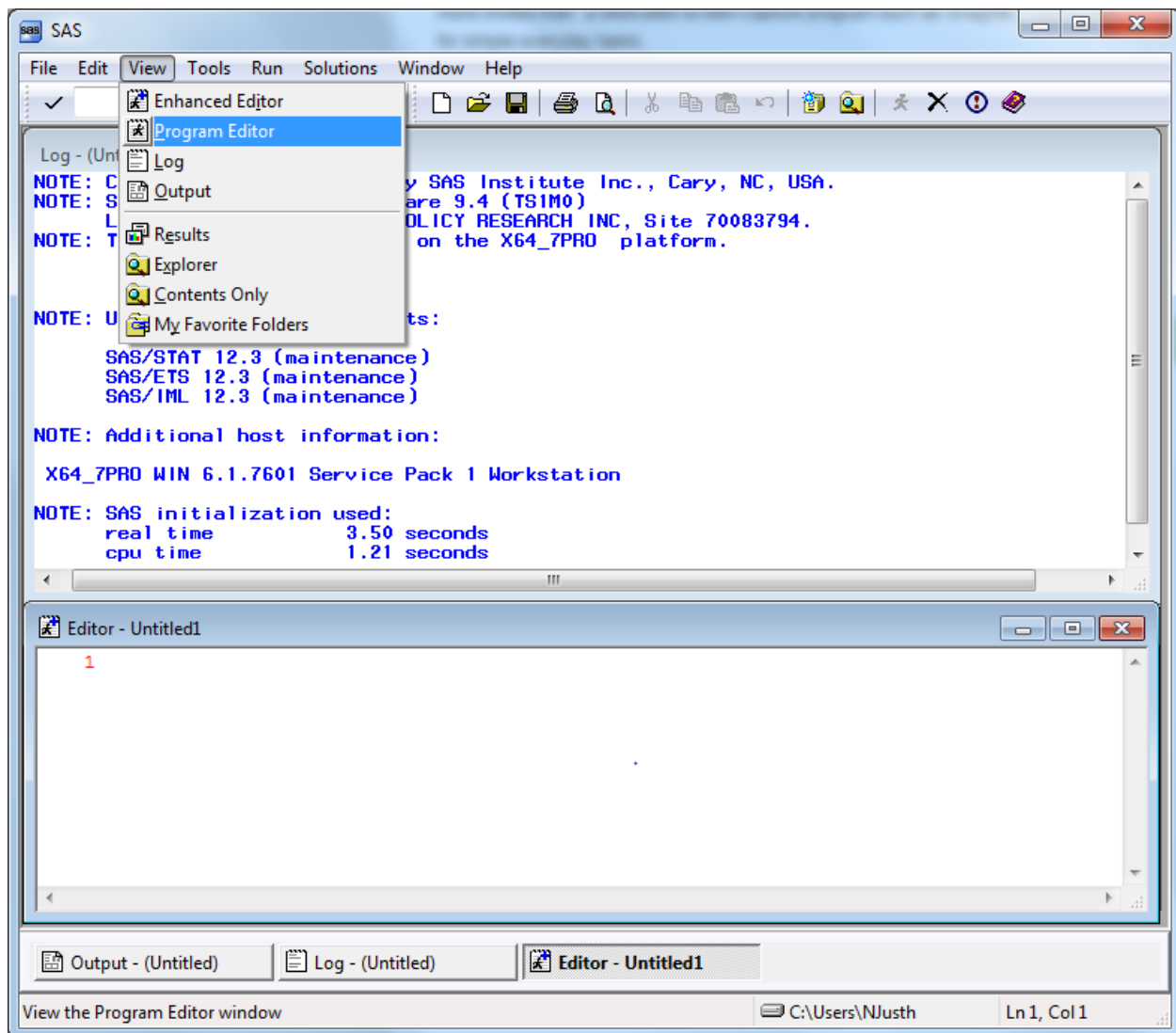


The screen is divided into two windows, a Log window above and an Editor window below.

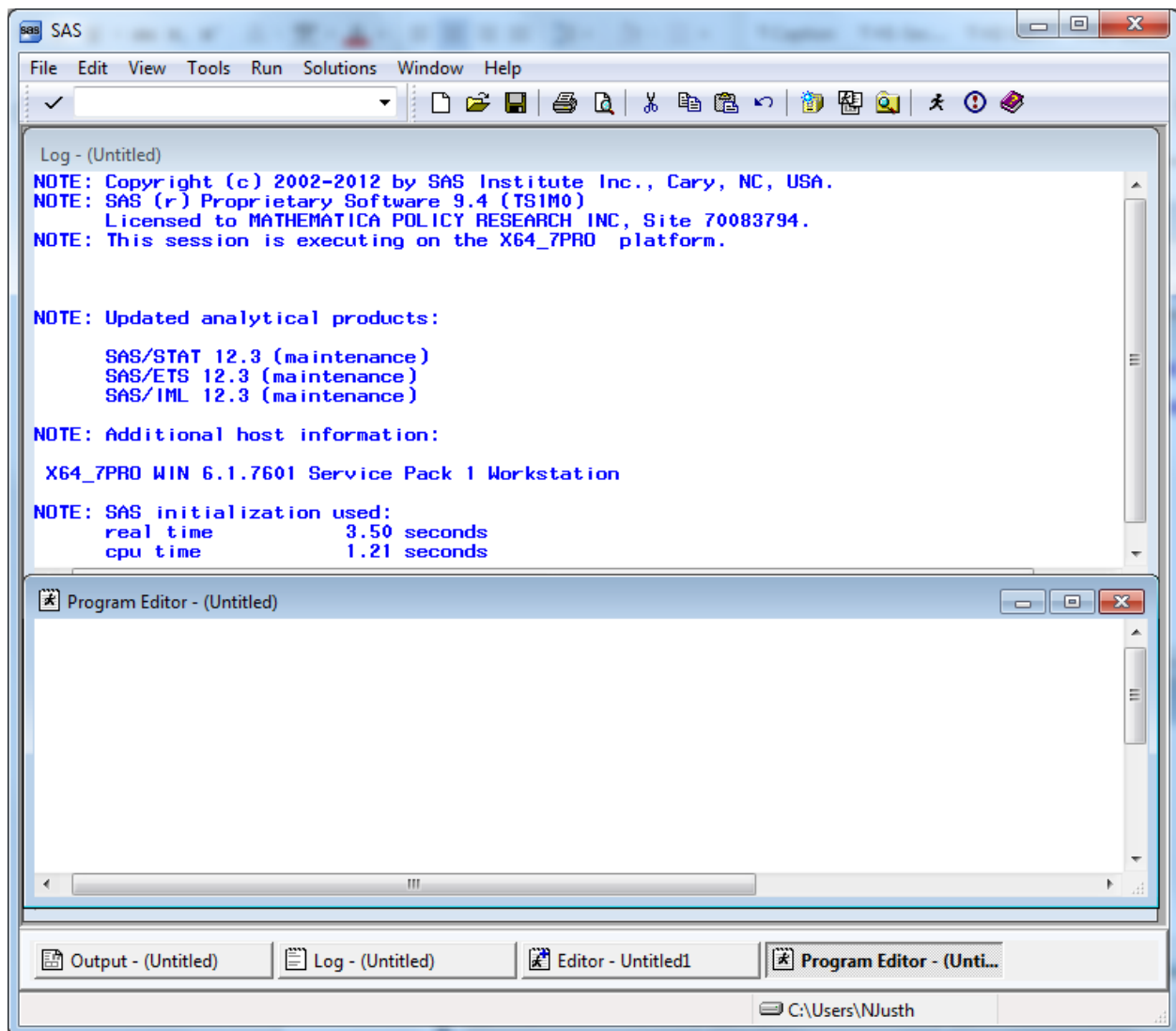
The Window Bar at the bottom of the screen includes tabs for the Log and Editor windows with an additional tab for the Output Window. Clicking on the Output tab will open the Output window. The instructions in this document will outline options for setting up the Editor and for displaying the windows themselves.

The default editor for version 9 is the SAS Enhanced Editor which is color coded to check SAS syntax. Another editing option is to use the Program Editor which includes line editing options. We will describe procedures for setting up the Program Editor.

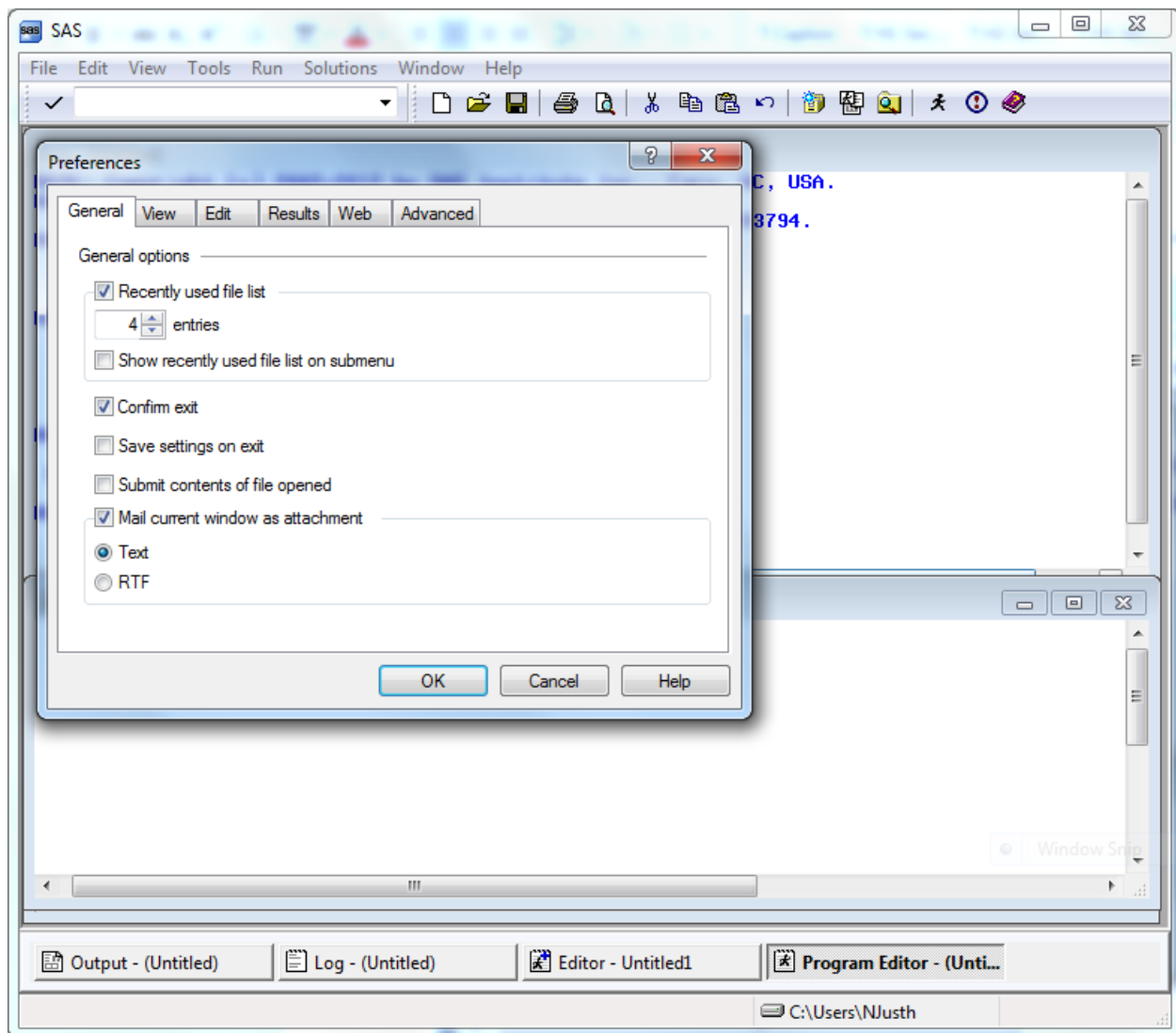
Click on View and select Program Editor as in the following:



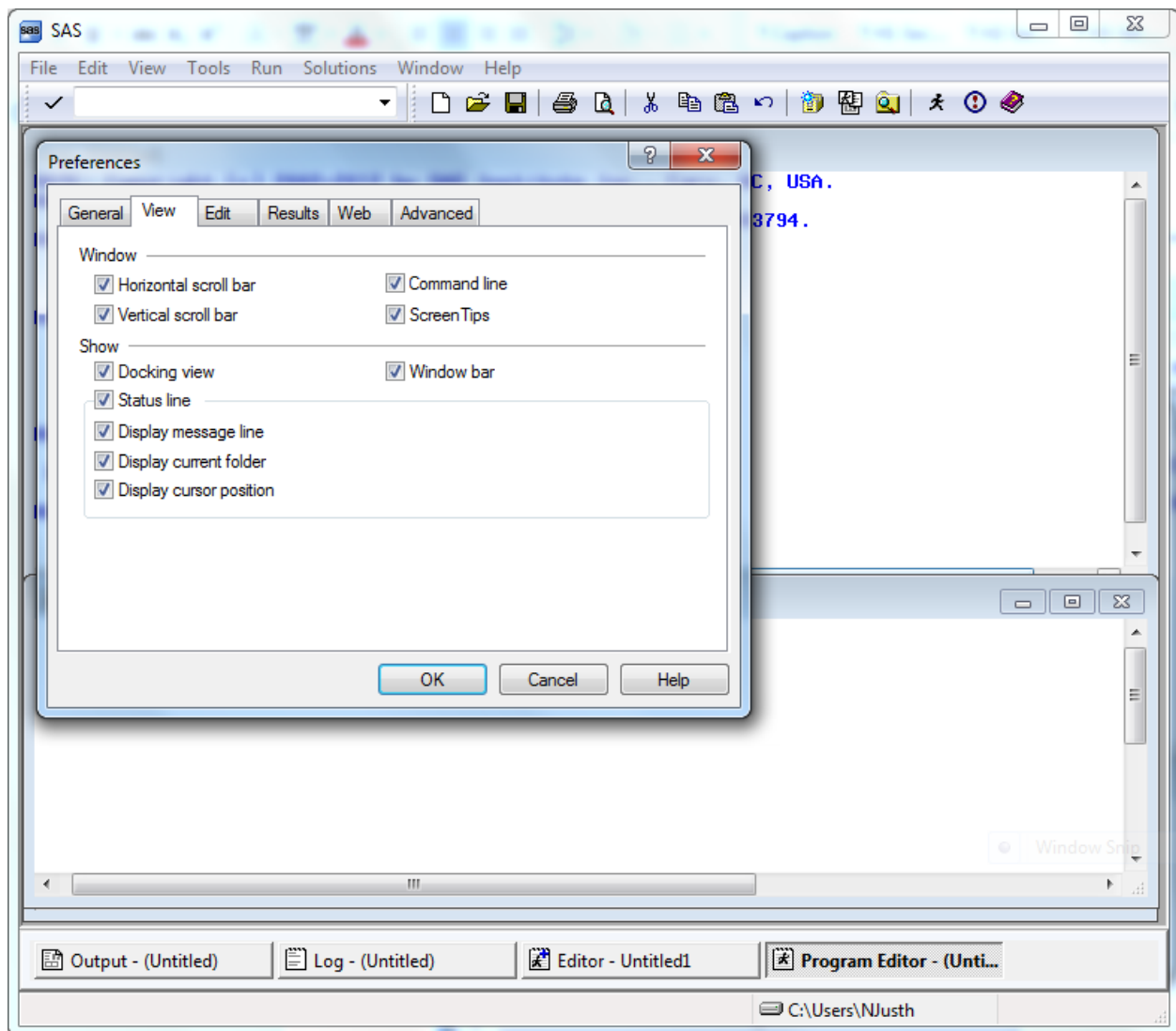
The lower Editor Window has now changed to Program Editor as in the following screen:



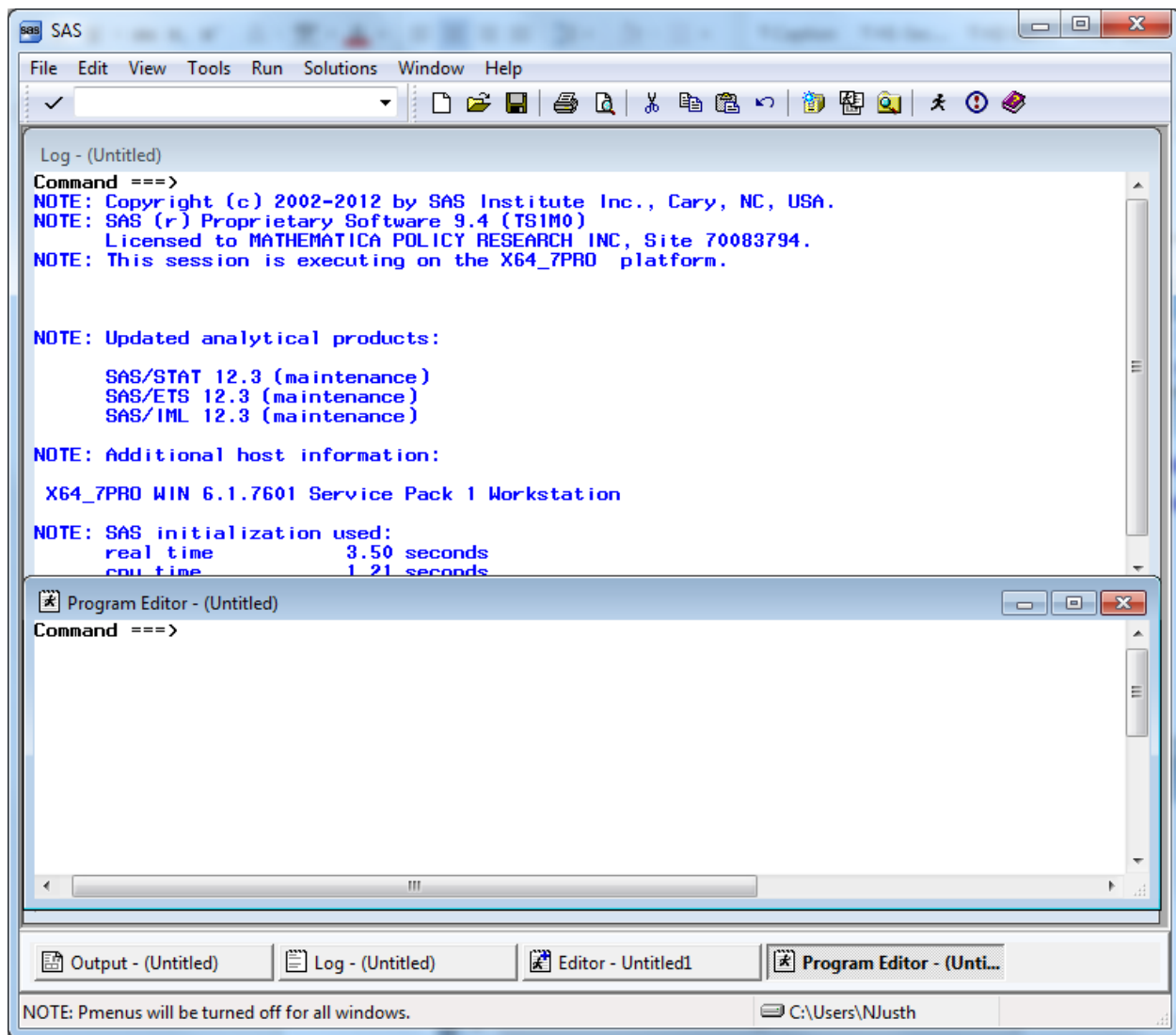
Open the Tools menu and choose Options and Preferences.



Many of these settings are system default options. To add a command line to the three windows, do the following. Click on the View tab and click in the box opposite **Command Line** as follows:



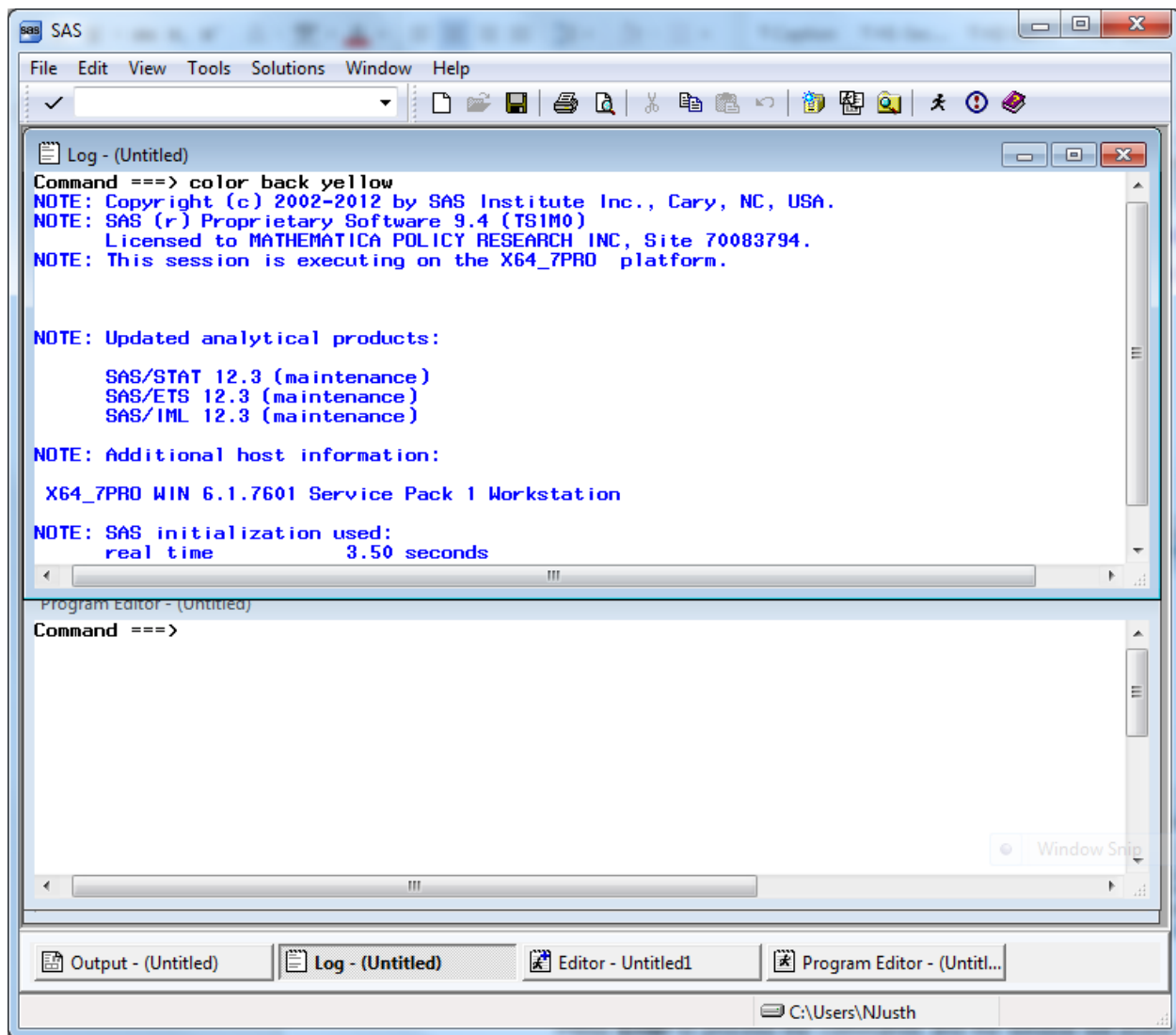
Click on OK and a command line will be added as in the screen below.



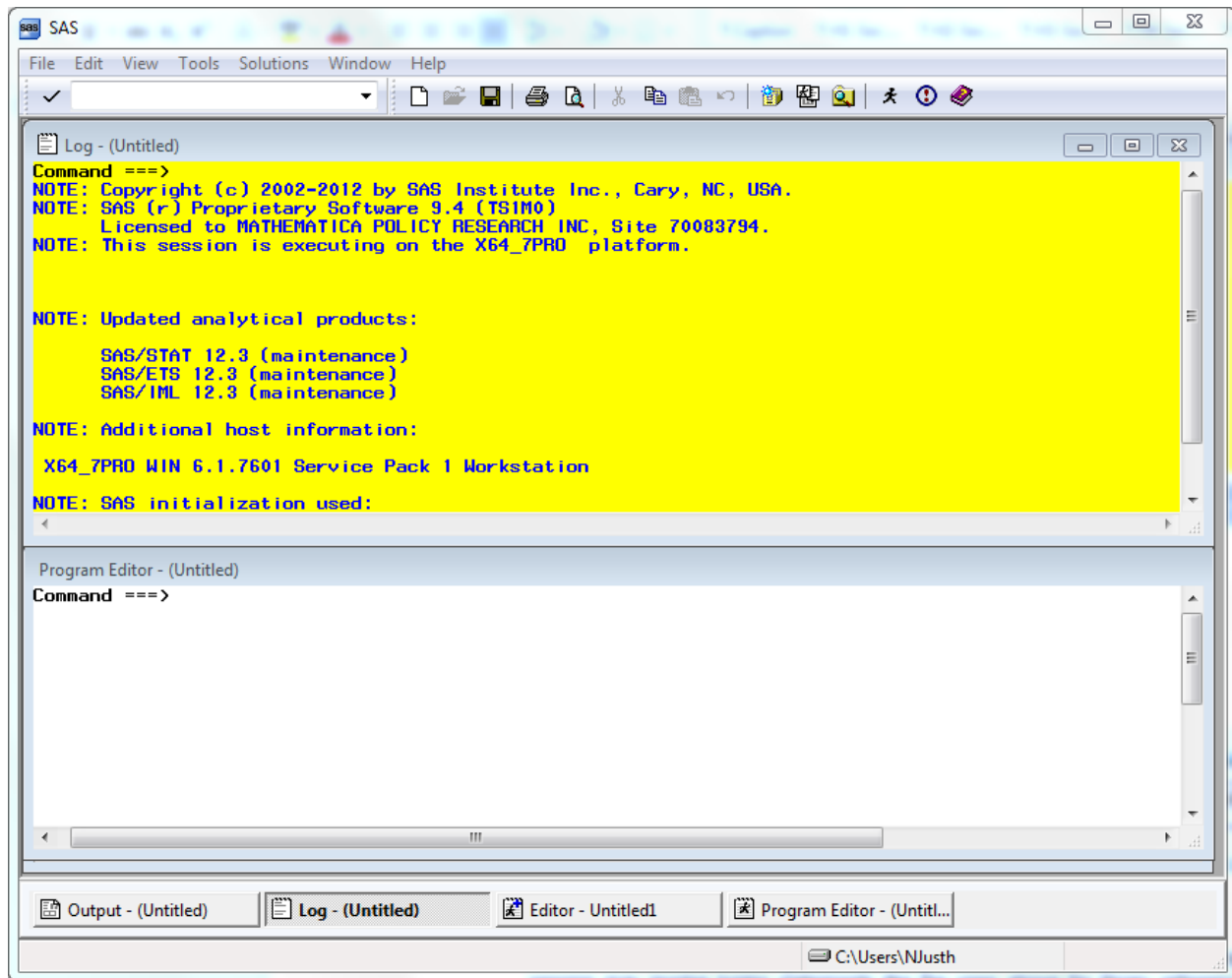
Each window shows the word **Command** followed by an arrow. Commands may be typed at this location. To arrive at the command line, depress the **Home** button on your keyboard. The cursor will appear opposite the arrow.

Toggling among the windows may be accomplished by typing the desired window name at the command line and pressing **Enter**. SAS recognizes **Pgm** as the abbreviated reference to the Program Editor and **Out** as a shortened name for the Output window. A few keystrokes allow you to navigate among the windows. For example, the command line lets you continue to customize our SAS session as follows.

In order to more easily distinguish between the SAS windows, it may be preferable to change the background color of selected windows. As an example, set the background color of the Log window to yellow and the Output window to gray. Press the **Home** key to arrive at the command line. Type **Log** opposite the arrow to toggle to the Log window. Type the command, **color back yellow** (or some other color) on the command line. Your screen will resemble the following.

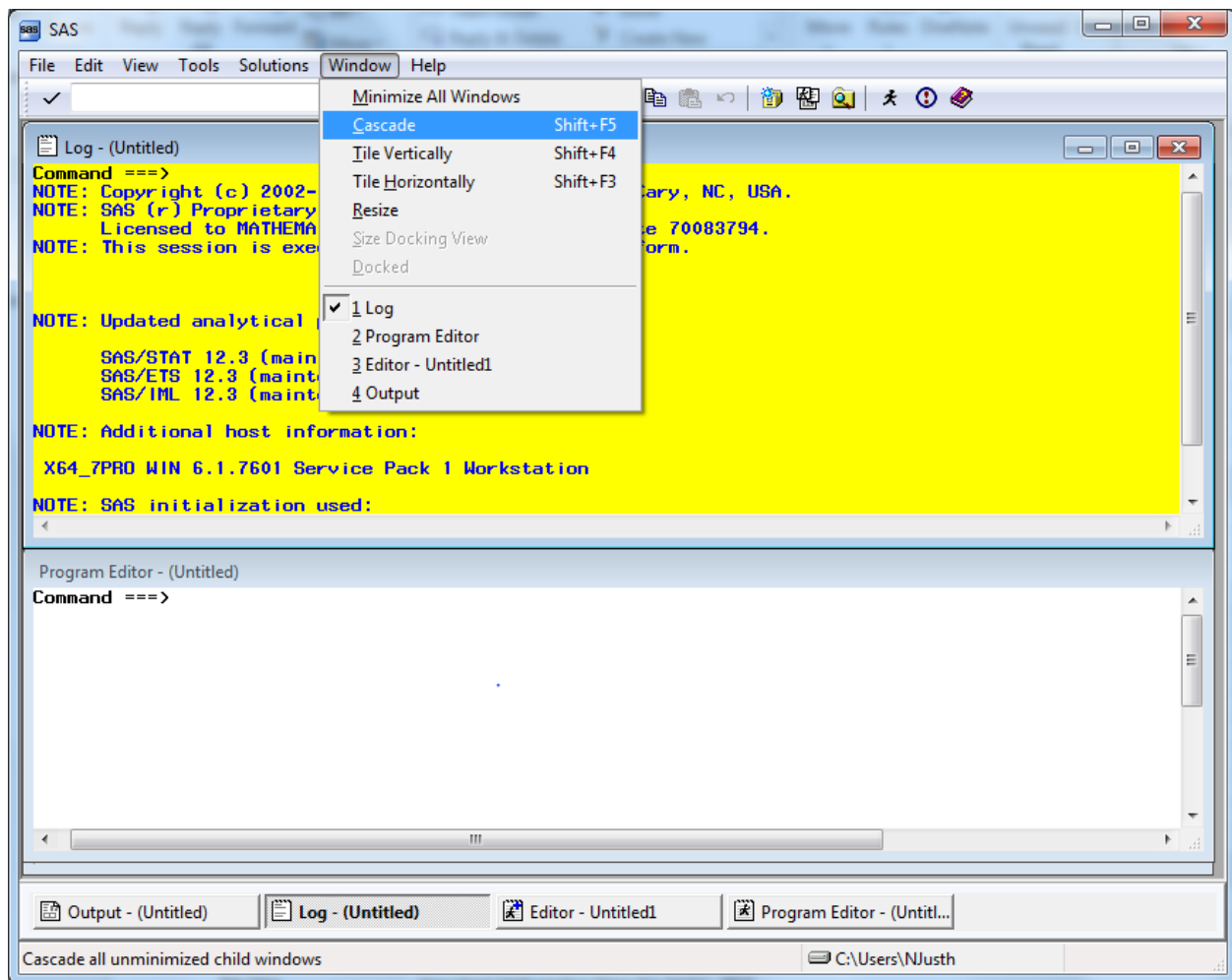


Press **Enter** to process the commands and the window will shade to yellow. Toggle to the Output window by typing **Out** and keying **Enter**. Type **color back gray** and key **Enter**. Return to the Program Editor and the screen will look like the following.

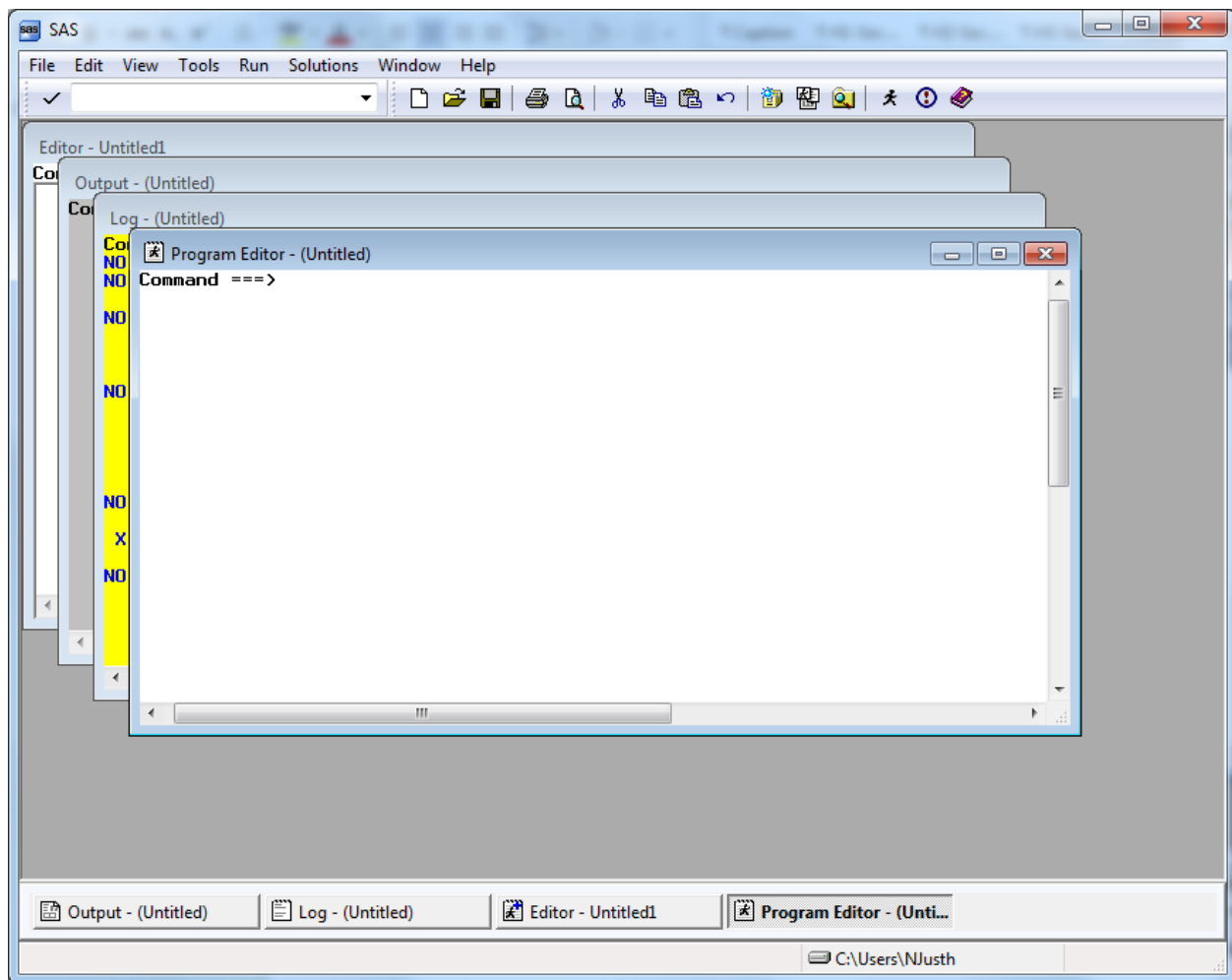


All SAS statements for building and processing SAS datasets are typed into the Program editor. A SAS session may involve typing statements like the ones above for library reference, computing new variables, data steps, etc. Entering a long series of statements in such a small space may be awkward, so another arrangement for the windows may be preferable.

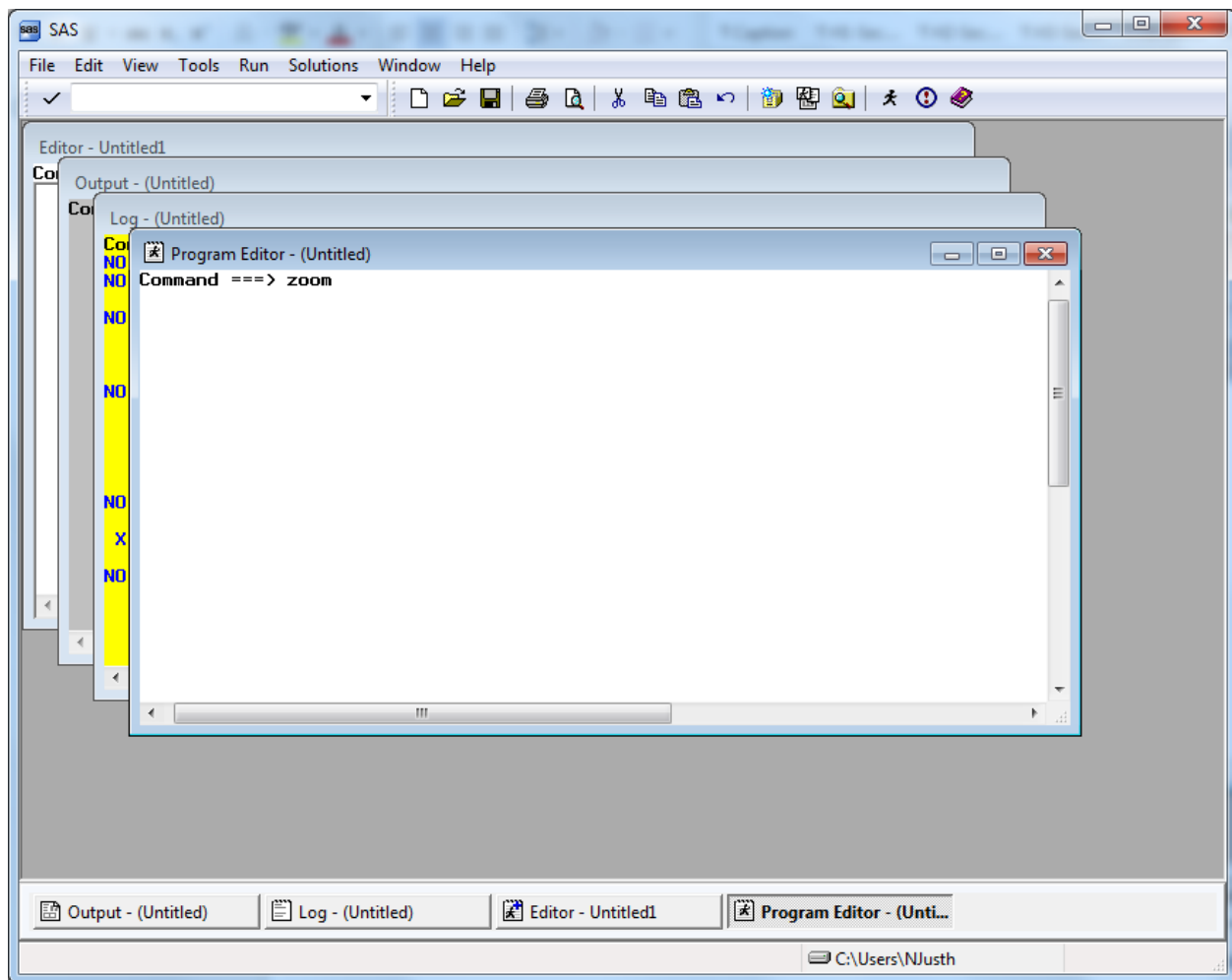
Cascading the windows is one option. To cascade the windows, open the **Window** menu, and choose **Cascade** as indicated in the following.



Clicking the option Cascade produces the following result.

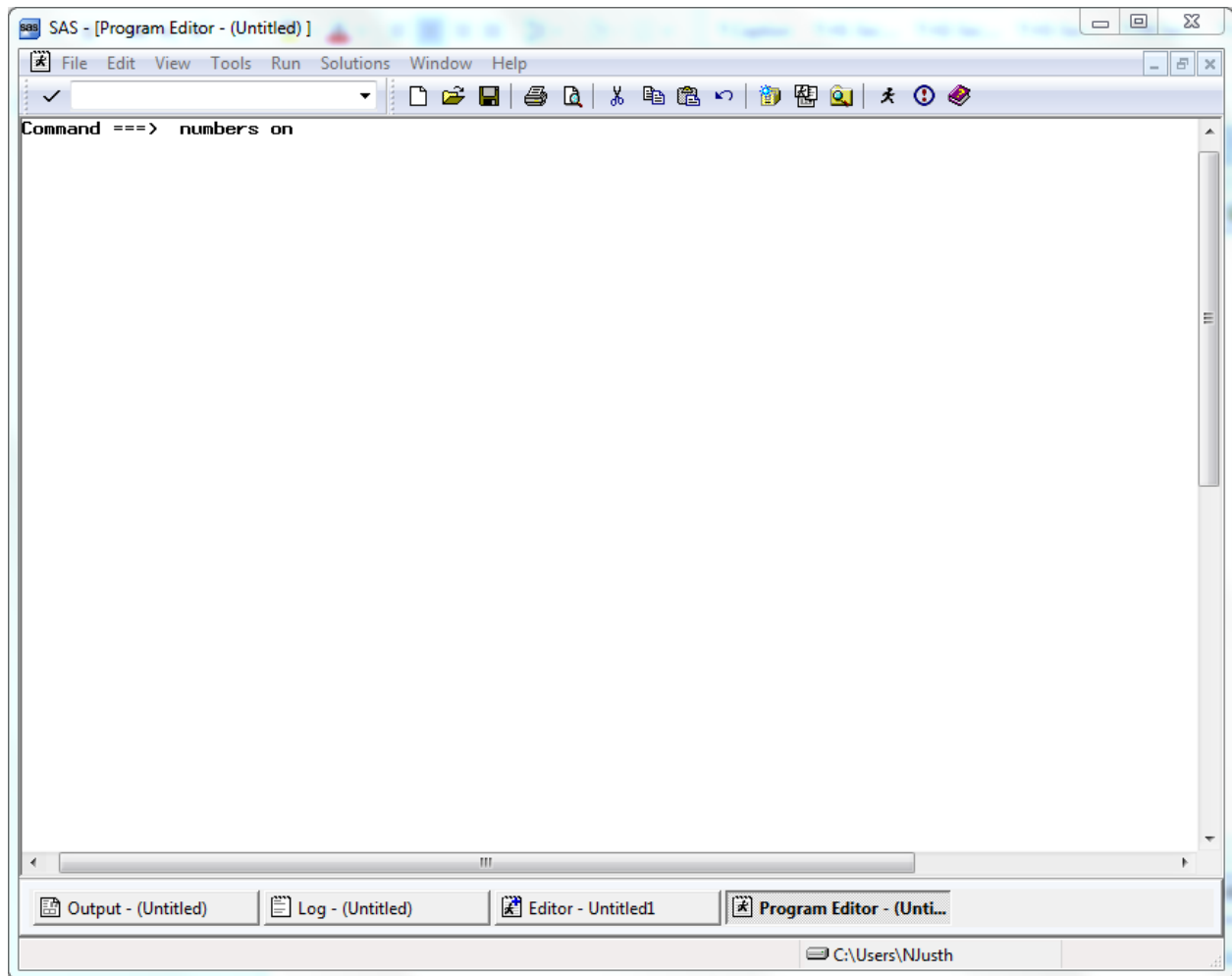


Each window is partly superimposed on the other. The colors distinguish between windows at a glance. With the Program Editor in front, SAS statements may be typed there with relative ease. As a final option, you can enlarge the Program Editor to fill the entire screen. At the command line, type **zoom** as in the following:

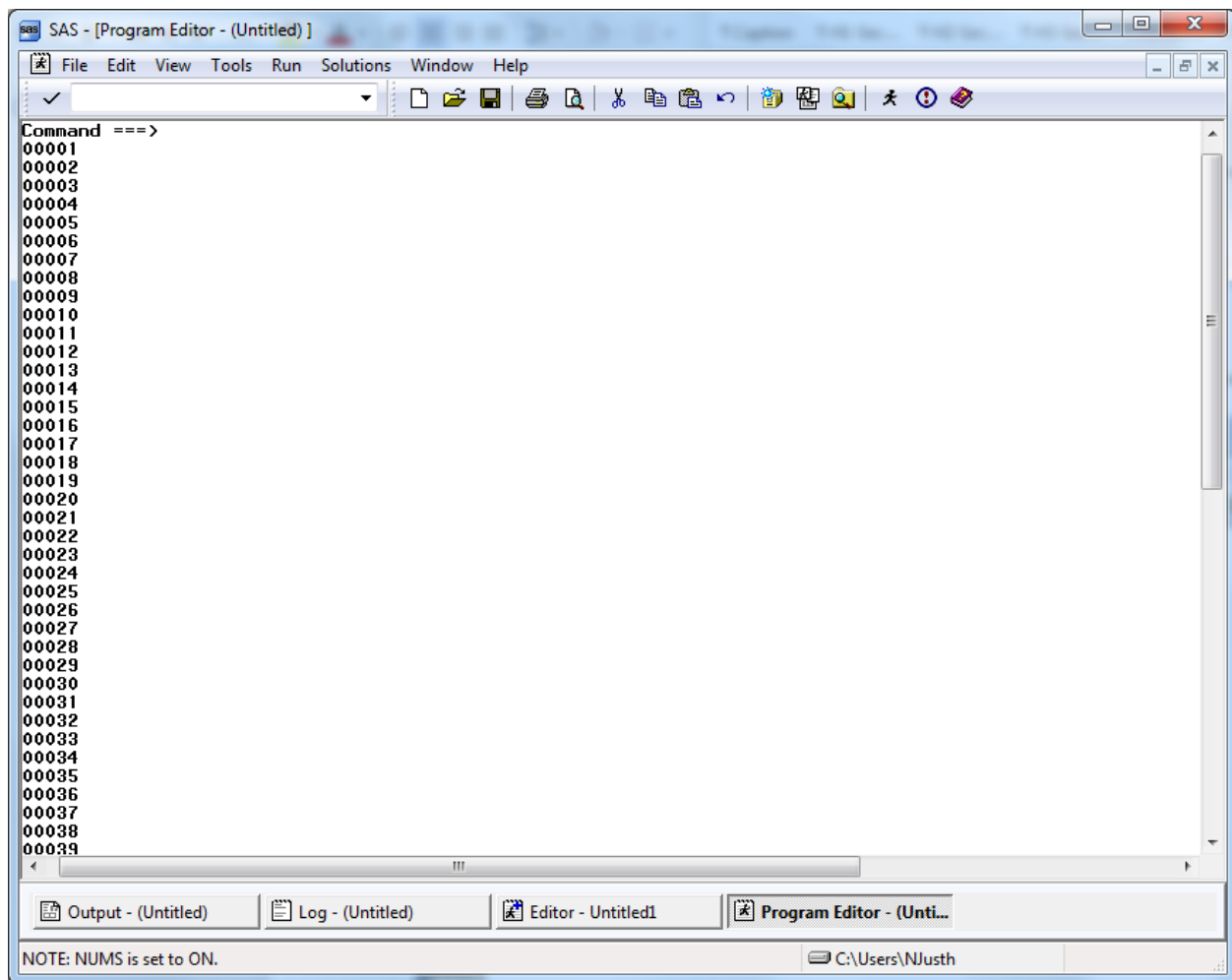


The window changes to fill the screen.

One more option for customizing screens is explained below. This involves adding line numbers to the editing environment in the Program Window. After adding the line numbers, many useful line-editing commands become available (see the SAS Manual). At the **Command** line type “numbers on” as in the following screen.



The line numbers appear at the left of the full screen Program Editor as in the screen below, and the SAS statements can be typed into the screen and edited.



Below is an example of a PROC TABULATE to construct a table of health status and health care rating by beneficiary group and gender for respondents in TNEX region 3. Beneficiary group (XBNFGRP) and sex (XSEX) are both class variables with a discrete number of values. The columns of the table are beneficiary group broken out by sex, a total for each beneficiary group, and a region total. The variables (H18018 and H18065) are the analysis variables appearing as the rows of the table. The statistic that we want to see is the weighted mean of these variables for each group in the table and for the entire region as a whole.

Enter the following SAS statements into the **Program Editor**.

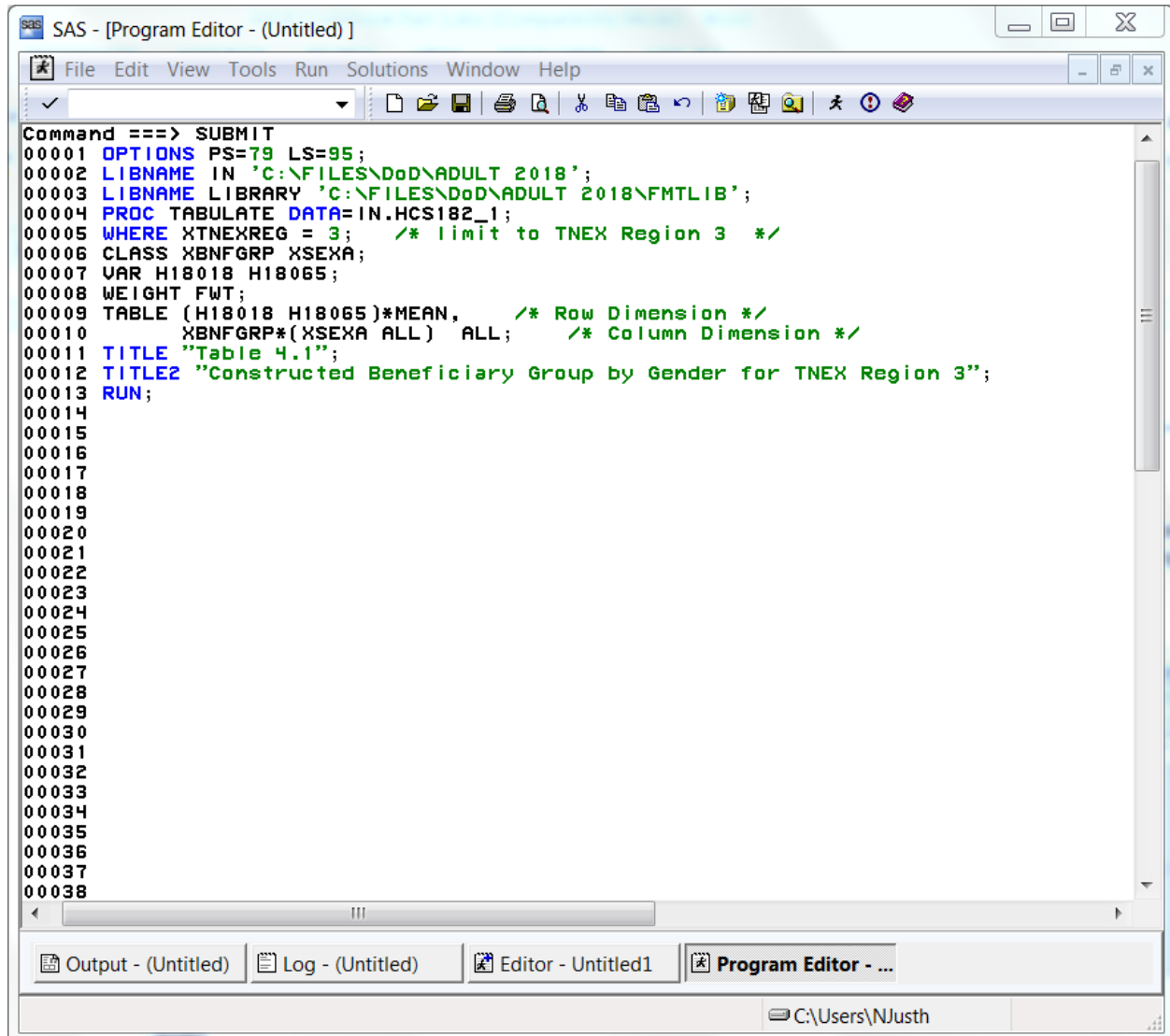
```

OPTIONS PS=79 LS=95;
LIBNAME IN 'C:\FILES\DoD\ADULT 2018';
LIBNAME LIBRARY 'C:\FILES\DoD\ADULT 2018\FMTLIB';
PROC TABULATE DATA=IN.HCS182_1;
WHERE XTNEXREG = 3; /* limit to TNEX Region 3 */
CLASS XBNFGRP XSEX;
VAR H18018 H18065;
WEIGHT FWT;
TABLE (H18018 H18065)*MEAN, /* Row Dimension */
       XBNFGRP*(XSEX ALL) ALL; /* Column Dimension */
TITLE "Table 4.1";
TITLE2 "Constructed Beneficiary Group by Gender for TNEX Region 3";

```

RUN;

Key **Home** and type the command **SUBMIT** on the Command Line. **Submit** instructs the SAS system to process the commands written in the Program Editor. Your screen should resemble the following.



Enter the **Submit** command, and the SAS statements disappear from the Program Editor. If a table is successfully produced, the Output window will open and the table will be displayed. If no output is produced, then SAS has encountered an error. SAS statements about the error can be seen and evaluated in the Log window. In all cases, the Log window should be carefully examined after SAS statements are processed. SAS may produce a table even if there are errors in the program, so the table may not be correct.

No table was produced for this run. The error is indicated in the Log Window as shown below.

```

SAS - [Log - (Untitled)]
File Edit View Tools Solutions Window Help
Command ==>
  SAS/ETS 12.3 (maintenance)
  SAS/IML 12.3 (maintenance)
NOTE: Additional host information:
  X64_7PRO WIN 6.1.7601 Service Pack 1 Workstation
NOTE: SAS initialization used:
  real time      3.65 seconds
  cpu time      1.52 seconds
1  OPTIONS PS=79 LS=95;
2  LIBNAME IN 'C:\FILES\DoD\ADULT 2018';
NOTE: Libref IN was successfully assigned as follows:
  Engine:      U9
  Physical Name: C:\FILES\DoD\ADULT 2018
3  LIBNAME LIBRARY 'C:\FILES\DoD\ADULT 2018\FMTLIB';
NOTE: Libref LIBRARY was successfully assigned as follows:
  Engine:      U9
  Physical Name: C:\FILES\DoD\ADULT 2018\FMTLIB
4  PROC TABULATE DATA=IN.HCS182_1;
NOTE: Writing HTML Body file: sashtml.htm
5  WHERE XTNEXREG = 3; /* limit to TNEX Region 3 */
6  CLASS XBNFGRP XSEX;
7  VAR H18018 H18065;
8  WEIGHT FWT;
ERROR: Variable FWT not found.
9  TABLE (H18018 H18065)*MEAN, /* Row Dimension */
10         XBNFGRP*(XSEX ALL) ALL; /* Column Dimension */
11  TITLE "Table 4.1";
12  TITLE2 "Constructed Beneficiary Group by Gender for TNEX Region 3";
13  RUN;
NOTE: The SAS System stopped processing this step because of errors.
NOTE: PROCEDURE TABULATE used (Total process time):
  real time      2.26 seconds
  cpu time      0.71 seconds

```

The variable FWT was not found in the dataset. Type **Pgm** on the Command line to return to the Program Editor. Type **Recall** on the Command line and the program statements will reappear in the window.

You can correct the error by entering FWRWT, the correct variable name, in the weight statement. Then, rerun the procedure.

The corrected program produces the following output.

SAS - [Results Viewer - SAS Output]

File Edit View Go Tools Solutions Window Help

Command ==>

Table 4.1

Constructed Beneficiary Group by Gender for TNEX Region 3

		Beneficiary Group												All
		Active Duty <65			Family of Active <65			Ret/Surv/Fam <65			Ret/Surv/Fam 65+			
		Male or Female - R		All	Male or Female - R		All	Male or Female - R		All	Male or Female - R		All	
		Male	Female		Male	Female		Male	Female		Male	Female		
Rating of all health care in 1st yr	Mean	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.10	8.88	9.16	9.02	8.10
In gnrl, how would you rate overall hlth	Mean	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49	3.49	3.23	3.36	3.51

Output - (Untitled) Log - (Untitled) Editor - Untitled1 Program Editor - (...) Results Viewer - ...

Done

C:\Users\NJusth

The result of this process is Table 4.1.

Note that the TITLE statement defines the heading for each page. Titles of more than one line are entered as TITLE, TITLE2, etc.

Table 4.1
Constructed Beneficiary Group by Gender for TNEX Region 3

		Beneficiary Group					
		Active Duty <65			Family of Active <65		
		Male or Female - R			Male or Female - R		
		Male	Female	All	Male	Female	
Rating of	Mean						
all health							
care in							
1st yr		7.09	6.83	7.00	7.46	7.40	
In gnrl,	Mean						
how would							
you rate							
ovrall							
hlth		3.67	3.67	3.67	3.60	3.67	

(Continued)

Table 4.1
Constructed Beneficiary Group by Gender for TNEX Region 3

		Beneficiary Group					
						Ret/Surv/Fam 65+	
		Ret/Surv/Fam <65				Male or Female - R	
		Family of Active <65					
		All	Male	Female	All	Male	
Rating of	Mean						
all health							
care in							
1st yr		7.40	7.91	8.22	8.10	8.88	
In gnrl,	Mean						
how would							
you rate							
ovrall							
hlth		3.66	3.35	3.58	3.49	3.49	

(Continued)

Table 4.1
Constructed Beneficiary Group by Gender for TNEX Region 3

		Beneficiary Group		
		Ret/Surv/Fam 65+		
		Male or Female - R		
		Female	All	All
Rating of all health care in 1st yr	Mean	9.16	9.02	8.10
In gnrl, how would you rate overall hlth	Mean	3.23	3.36	3.51

Using Formats

The format library is the key to interpreting values of discrete variables. For example, in the program above, the format library found at C:\FILES\DoD\ADULT 2018\FMTLIB indicates that a Value of 1 for XSEXA means male, and a value of 2 for XSEXA means female. Similarly, if XBNFGRP equals 1, the respondent is Active Duty; if XBNFGRP equals 2, the respondent is a family member of Active Duty personnel; if XBNFGRP equals 3, the respondent is an under-65 retiree or a survivor or one of their family members; if XBNFGRP equals 4, the respondent is a 65-or-over retiree, survivor, or one of their family members.

Since formats are associated with the variables in the HCSDB, formatting is automatic as long as SAS can locate the format library. Error messages will result if the LIBNAME LIBRARY statement is not present. If the format library is not available for some reason, use the statement

FORMAT _ALL_;

within the PROC TABULATE to prevent SAS from searching for the missing format library. The default formats in the format library were used to produce the table described in the previous section.

Table Appearance

Format modifiers and temporary labels improve the appearance of a table. In Table 4.1, the values of the statistics are of the form xxx.xx. If each cell is defined to be six positions wide with two positions to the right of the decimal, there is adequate space to keep the table from looking crowded. This is done by crossing the statistic with the format modifier:

MEAN*F=6.2

Labels are attached to all variables in the HCSDB. You can use temporary labels to override the label within the SAS dataset. It is not always necessary to use both the variable label and the formatted values for each value of a class variable. In the previous example, the formatted values of XBNFGRP are Active Duty, family members of Active Duty, etc. which we know to be beneficiary groups; the title

also tells you that these are beneficiary groups. The table can be made attractive by deleting the heading for XBNFGRP by including a blank for the temporary label:

XBNFGRP= ' '

Similarly, because the statistic being reported here is a mean, you do not need MEAN on each row. You can add or eliminate a label and include a format modifier to the same variable:

MEAN= ' *F=6.2

The headings for XSEXa and ALL can be improved:

XSEXa= 'Gender'

ALL= 'Group Total' for the ALL that is crossed with XBNFGRP

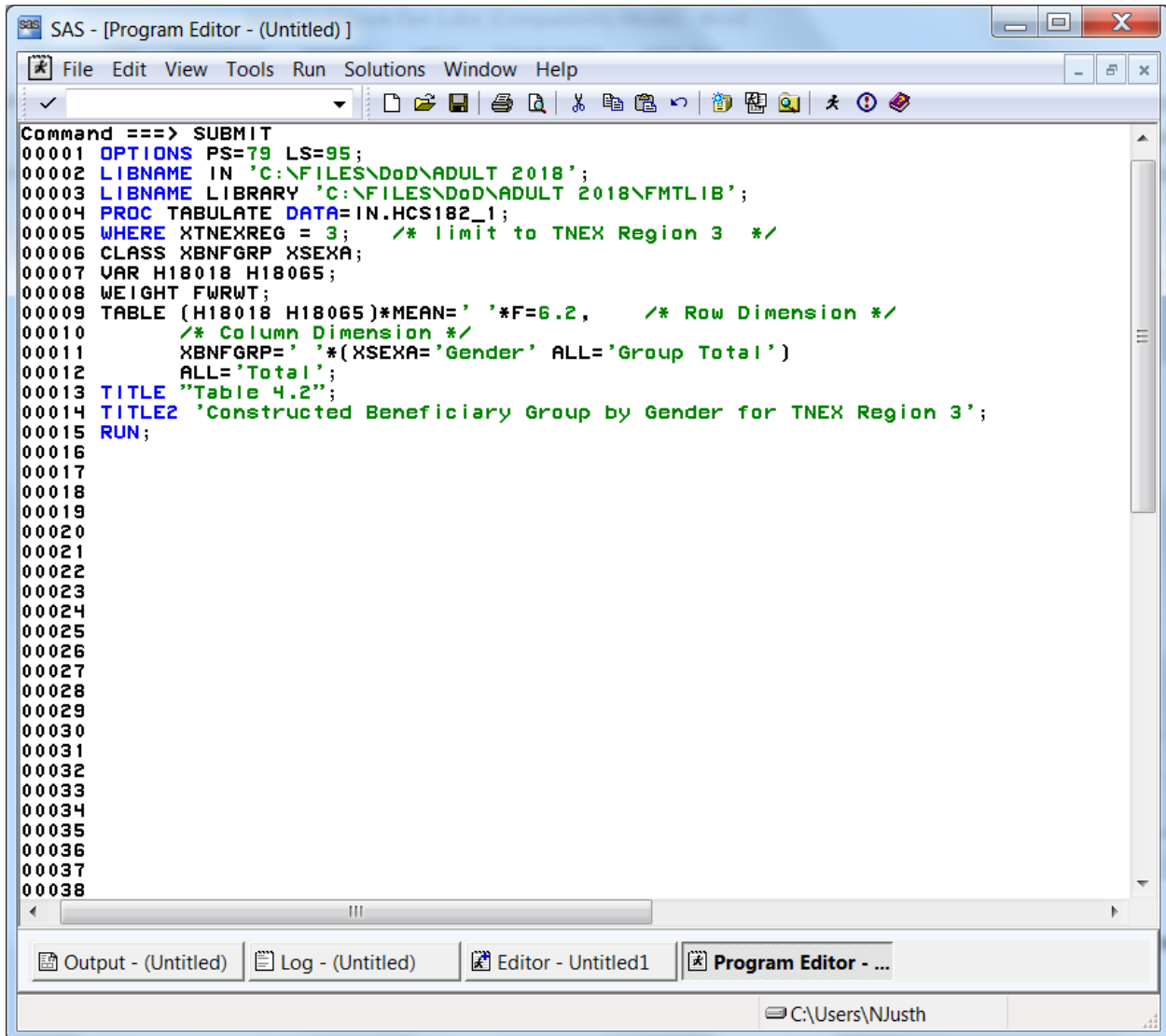
ALL= 'Total' for the TNEX Region 3 total

The new program looks like this:

```
OPTIONS PS=79 LS=95;
LIBNAME IN 'C:\FILES\DoD\ADULT 2018';
LIBNAME LIBRARY 'C:\FILES\DoD\ADULT 2018\FMTLIB';
PROC TABULATE DATA=IN.HCS182_1;
WHERE XTNEXREG = 3; /* limit to TNEX Region 3 */
CLASS XBNFGRP XSEXa;
VAR H18018 H18065;
WEIGHT FWRWT;
TABLE (H18018 H18065)*MEAN= ' *F=6.2, /* Row Dimension */
/* Column Dimension */
XBNFGRP= ' *(XSEXa='Gender' ALL='Group Total')
ALL='Total';

TITLE "Table 4.2";
TITLE2 'Constructed Beneficiary Group by Gender for TNEX Region 3';
RUN;
```

Typing these statements into the Program Window produces the following screen.



The screenshot shows the SAS Program Editor window with the following code:

```

Command ==> SUBMIT
00001  OPTIONS PS=79 LS=95;
00002  LIBNAME IN 'C:\FILES\DoD\ADULT 2018';
00003  LIBNAME LIBRARY 'C:\FILES\DoD\ADULT 2018\FMTLIB';
00004  PROC TABULATE DATA=IN.HCS182_1;
00005  WHERE XTNEXREG = 3; /* limit to TNEX Region 3 */
00006  CLASS XBNFGRP XSEX;
00007  VAR H18018 H18065;
00008  WEIGHT FWRWT;
00009  TABLE (H18018 H18065)*MEAN= ' *F=6.2, /* Row Dimension */
00010  /* Column Dimension */
00011  XBNFGRP= ' *(XSEX= 'Gender' ALL='Group Total')
00012  ALL='Total';
00013  TITLE "Table 4.2";
00014  TITLE2 'Constructed Beneficiary Group by Gender for TNEX Region 3';
00015  RUN;
00016
00017
00018
00019
00020
00021
00022
00023
00024
00025
00026
00027
00028
00029
00030
00031
00032
00033
00034
00035
00036
00037
00038

```

The window includes a menu bar (File, Edit, View, Tools, Run, Solutions, Window, Help), a toolbar, and a status bar at the bottom showing the user's path as C:\Users\NJusth.

After the **Submit** command is entered, the following table is displayed in the Results Viewer window.

SAS - [Results Viewer - SAS Output]

File Edit View Go Tools Solutions Window Help

Command ==>

Table 4.2

Constructed Beneficiary Group by Gender for TNEX Region 3

	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65			Ret/Surv/Fam 65+			Total
	Gender		Group Total	Gender		Group Total	Gender		Group Total	Gender		Group Total	
	Male	Female		Male	Female		Male	Female		Male	Female		
Rating of all health care in 1st yr	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.10	8.88	9.16	9.02	8.10
In gnrl, how would you rate overall hlth	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49	3.49	3.23	3.36	3.51

Output - (Untitled) Log - (Untitled) Editor - Untitled1 Program Editor - (...) Results Viewer - ...

Done

C:\Users\NJusth

The resulting output is in Table 4.2.

Table 4.2
Constructed Beneficiary Group by Gender for TNEX Region 3

	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65			Ret/S-
										urv/F-
										am 65+
	Gender		Group	Gender		Group	Gender		Group	Gender
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male
Rating of all health care in 1st yr	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.10	8.88
In gnrl, how would you rate ovrall hlth	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49	3.49

(Continued)

Table 4.2
Constructed Beneficiary Group by Gender for TNEX Region 3

	Ret/Surv/Fam 65+		
	Gender		Group
	Female	Total	Total
Rating of all health care in 1st yr	9.16	9.02	8.10
In gnrl, how would you rate ovrall hlth	3.23	3.36	3.51

Although the label for MEAN is deleted, there is still a space in the table for this label. You can eliminate this blank space by using the TABLE option of ROW=FLOAT. SAS row headings are automatically allocated; you can override this by using the TABLE option of RTS=n where n is an integer value specifying the number of print positions to be used for row headings. If you decide that we don't need the label 'Gender' for XSEXA because 'male' and 'female' are self-explanatory, the revised program is as follows:

```
OPTIONS PS=79 LS=95;
LIBNAME IN 'C:\FILES\DoD\ADULT 2018';
```

```

LIBNAME LIBRARY 'C:\FILES\DoD\ADULT 2018\FMTLIB';
PROC TABULATE DATA=IN.HCS182_1;
WHERE XTNEXREG = 3; /* limit to TNEX Region 3 */
CLASS XBNFGRP XSEX;
VAR H18018 H18065;
WEIGHT FWRWT;
TABLE (H18018 H18065)*MEAN=' *F=6.2, /* Row Dimension */
/* Column Dimension */
XBNFGRP=' *(XSEX=' ' ALL='Group Total')
ALL='Total' / ROW=FLOAT RTS=32;
TITLE "Table 4.3";
TITLE2' Constructed Beneficiary Group by Gender for TNEX Region 3';
RUN;

```

Typed into the Program Window, the revised program appears as follows.

```

SAS - [Program Editor - (Untitled)]
File Edit View Tools Run Solutions Window Help
Command ==> SUBMIT
00001 OPTIONS PS=79 LS=95;
00002 LIBNAME IN 'C:\FILES\DoD\ADULT 2018';
00003 LIBNAME LIBRARY 'C:\FILES\DoD\ADULT 2018\FMTLIB';
00004 PROC TABULATE DATA=IN.HCS182_1;
00005 WHERE XTNEXREG = 3; /* limit to TNEX Region 3 */
00006 CLASS XBNFGRP XSEX;
00007 VAR H18018 H18065;
00008 WEIGHT FWRWT;
00009 TABLE (H18018 H18065)*MEAN=' *F=6.2, /* Row Dimension */
00010 /* Column Dimension */
00011 XBNFGRP=' *(XSEX=' ' ALL='Group Total')
00012 ALL='Total' / ROW=FLOAT RTS=32;
00013 TITLE "Table 4.3";
00014 TITLE2' Constructed Beneficiary Group by Gender for TNEX Region 3';
00015 RUN;
00016
00017
00018
00019
00020
00021
00022
00023
00024
00025
00026
00027
00028
00029
00030
00031
00032
00033
00034
00035
00036
00037
00038
Output - (Untitled) Log - (Untitled) Editor - Untitled1 Program Editor - ...
C:\Users\NJusth

```

The output table is displayed in the Results Viewer Window as follows.

SAS - [Results Viewer - SAS Output]

File Edit View Go Tools Solutions Window Help

Command ==>

Table 4.3
Constructed Beneficiary Group by Gender for TNEX Region 3

	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65			Ret/Surv/Fam 65+			Total
	Male	Female	Group Total	Male	Female	Group Total	Male	Female	Group Total	Male	Female	Group Total	
Rating of all health care in 1st yr	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.10	8.88	9.16	9.02	8.10
In gnrl, how would you rate overall hlth	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49	3.49	3.23	3.36	3.51

Output - (Untitled) Log - (Untitled) Editor - Untitled1 Program Editor - (...) Results Viewer - ...

Done C:\Users\NJusth

The result is Table 4.3.

Table 4.3
Constructed Beneficiary Group by Gender for TNEX Region 3

	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65			Total
	Male	Female	Group Total	Male	Female	Group Total	Male	Female	Group Total	
Rating of all health care in 1st yr	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.10	8.10
In gnrl, how would you rate	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49	3.51

ovrall hlth	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49
-------------	------	------	------	------	------	------	------	------	------

(Continued)

Table 4.3
Constructed Beneficiary Group by Gender for TNEX Region 3

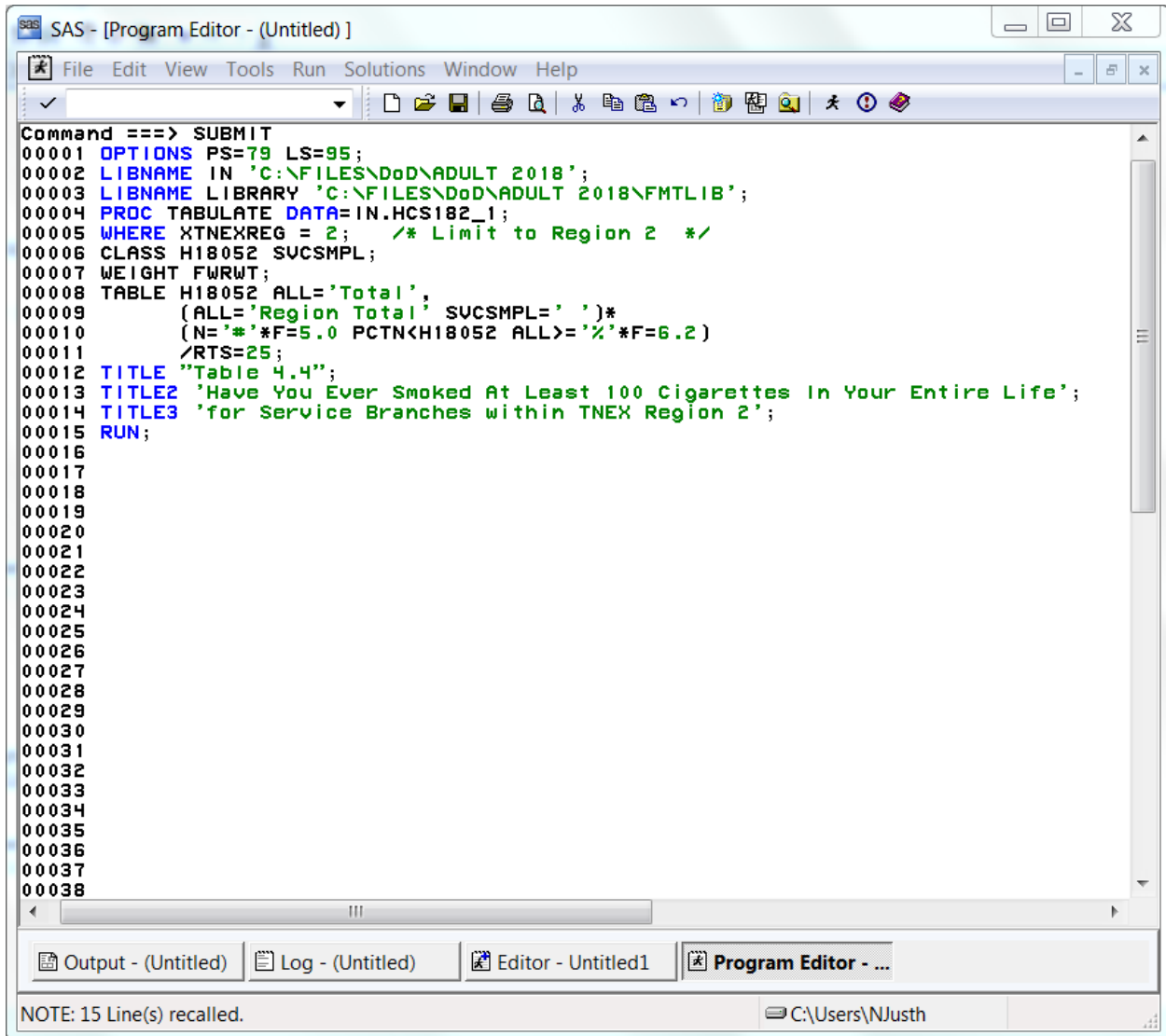
	Ret/Surv/Fam 65+			
	Group			
	Male	Female	Total	Total
Rating of all health care in 1st yr	8.88	9.16	9.02	8.10
In gnrl, how would you rate ovrall hlth	3.49	3.23	3.36	3.51

Calculating Percents

When calculating percentages, it is necessary to appropriately define the denominator. To calculate a column percentage, the denominator definition must include all *class* variables that define the *row*. For example, if you want to look at the percentage of people in region 2 and each branch of service who answered yes (or no) to variable H18052, 'Have you ever smoked at least 100 cigarettes in your entire life?', your TABLE statement in the TABULATE procedure would look like this:

```
WHERE XTNEXREG = 2;
TABLE H18052 ALL='Total',
(All='Region Total' SVCSMPL=' ')*(N='#'*F=5.0 PCTN<H18052 ALL>='%'*F=6.2)
/RTS=25;
```

Table 4.4 includes a program and its output for calculating column percentages. The program statements in the Program Editor appear as follows.



The screenshot shows the SAS Program Editor window with the following code:

```
Command ==> SUBMIT
00001  OPTIONS PS=79 LS=95;
00002  LIBNAME IN 'C:\FILES\DoD\ADULT 2018';
00003  LIBNAME LIBRARY 'C:\FILES\DoD\ADULT 2018\FMTLIB';
00004  PROC TABULATE DATA=IN.HCS182_1;
00005  WHERE XTNEXREG = 2; /* Limit to Region 2 */
00006  CLASS H18052 SUCSMPL;
00007  WEIGHT FWRWT;
00008  TABLE H18052 ALL='Total',
00009          (ALL='Region Total' SUCSMPL=' ')*
00010          (N=' '*F=5.0 PCTN<H18052 ALL>='% '*F=6.2)
00011          /RTS=25;
00012  TITLE "Table 4.4";
00013  TITLE2 'Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life';
00014  TITLE3 'for Service Branches within TNEX Region 2';
00015  RUN;
00016
00017
00018
00019
00020
00021
00022
00023
00024
00025
00026
00027
00028
00029
00030
00031
00032
00033
00034
00035
00036
00037
00038
```

The window includes a menu bar (File, Edit, View, Tools, Run, Solutions, Window, Help), a toolbar, and a status bar at the bottom showing "NOTE: 15 Line(s) recalled." and the user path "C:\Users\NJusth".

The submitted statements produce the following output.

SAS - [Results Viewer - SAS Output]

File Edit View Go Tools Solutions Window Help

Command ==>

Table 4.4
Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life
for Service Branches within TNEX Region 2

	Region Total		Army		Navy		Marine Corps		Air Force		Coast Guard		Other/Unknown	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Smoked at least 100 cigarettes in life														
Yes	1125	30.74	355	32.16	179	34.56	50	35.71	509	28.40	29	31.87	3	20.00
No	2535	69.26	749	67.84	339	65.44	90	64.29	1283	71.60	62	68.13	12	80.00
Total	3660	100.00	1104	100.00	518	100.00	140	100.00	1792	100.00	91	100.00	15	100.00

Output - (Untitled) Log - (Untitled) Editor - Untitled1 Program Editor - (...) Results Viewer - ...

Done C:\Users\NJusth

Table 4.4
 Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life
 for Service Branches within TNEX Region 2

	Region Total		Army		Navy		Marine Corps		Air Force	
	#	%	#	%	#	%	#	%	#	%
Smoked at least 100 cigarettes in life										
Yes	1125	30.74	355	32.16	179	34.56	50	35.71	509	28.40
No	2535	69.26	749	67.84	339	65.44	90	64.29	1283	71.60
Total	3660	100.00	1104	100.00	518	100.00	140	100.00	1792	100.00

(Continued)

Table 4.4
Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life
for Service Branches within TNEX Region 2

	Coast Guard		Other/Unkno-	
	#	%	#	%
Smoked at least 100 cigarettes in life				
Yes	29	31.87	3	20.00
No	62	68.13	12	80.00
Total	91	100.00	15	100.00

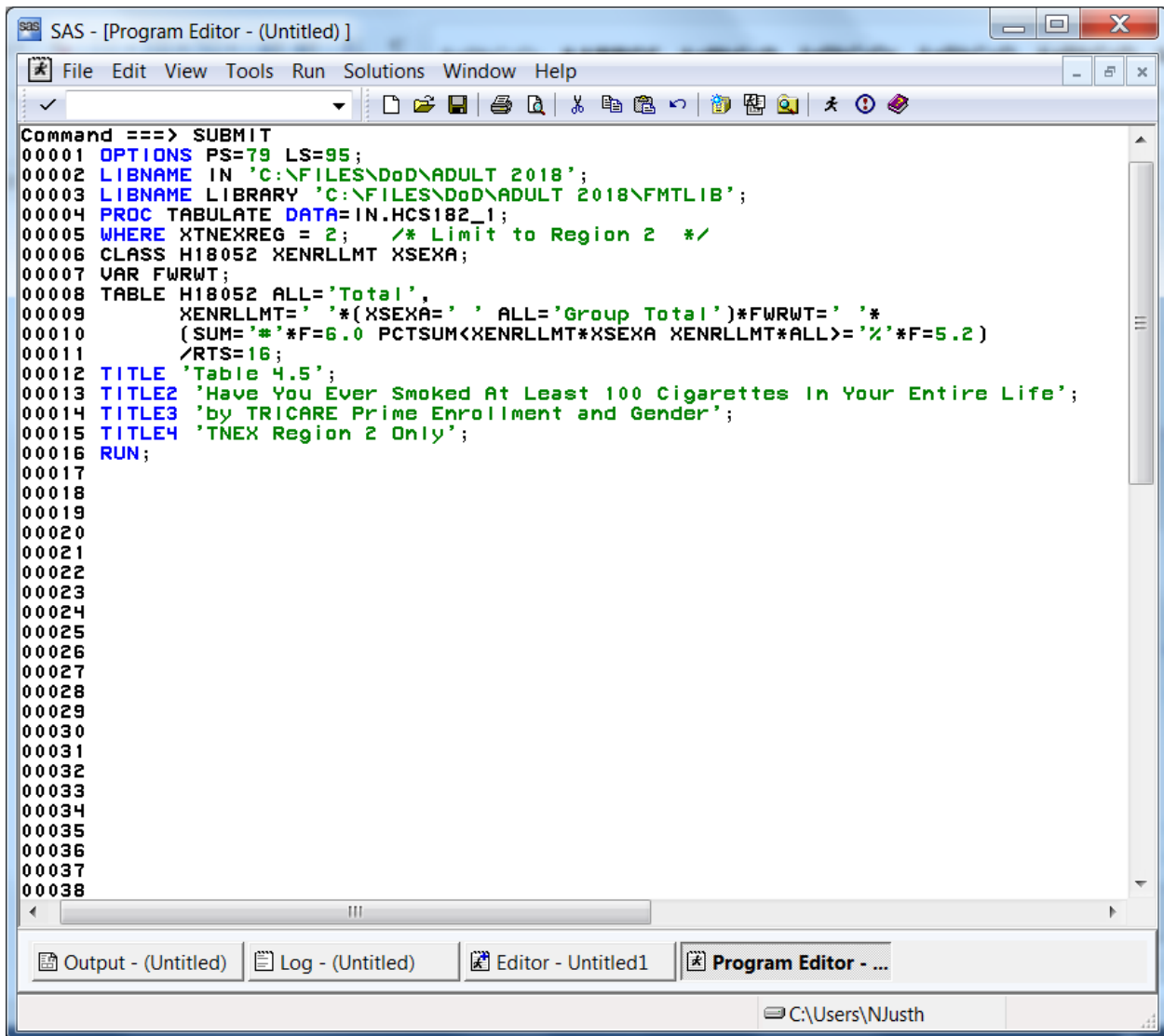
The statistic N(#) is included with PCTN to make it easier to verify that the denominator definitions have been set up properly. After you check to see that the percentages are accurate, the N statistic can be removed. Note that the output for Table 4.4 is unweighted. The N statistic (and PCTN statistic) is always unweighted even if a WEIGHT statement is included.

Similarly, if you want to look at the percentage of TRICARE enrollees (and non-enrollees) by gender who report having smoked at least 100 cigarettes in their lifetime, this would be a row percentage. To calculate a row percentage, the denominator definition must include all *class* variables that define the *column*. Your TABLE statement would look like this:

```
TABLE H18052 ALL='Total',
XENRLLMT*(XSEXA=' ' All='Group Total')*
PCTN<XENRLLMT*XSEXA XENRLLMT*ALL>='Percent';
```

Notice that there are no parentheses used in the denominator definition. Because parenthetical groupings are not allowed in the denominator definition, all crossings and concatenations must be included. As noted above, the N and PCTN statistic are unweighted counts of CLASS variables. If you want to produce a weighted count and percentage for this table, you would include FWRWT (the 2018 quarterly weight variable) as an analysis variable in the VAR statement and in the column crossing of the TABLE statement; the statistics to be generated should be specified as SUM and PCTSUM. A program and output to demonstrate weighted row percentages appears in Table 4.5.

The following screen shows the new program typed into the Program Editor.



```
Command ==> SUBMIT
00001  OPTIONS PS=79 LS=95;
00002  LIBNAME IN 'C:\FILES\DoD\ADULT 2018';
00003  LIBNAME LIBRARY 'C:\FILES\DoD\ADULT 2018\FMTLIB';
00004  PROC TABULATE DATA=IN.HCS182_1;
00005  WHERE XTNEXREG = 2; /* Limit to Region 2 */
00006  CLASS H18052 XENRLLMT XSEX;
00007  VAR FWRWT;
00008  TABLE H18052 ALL='Total',
00009          XENRLLMT='*(XSEX=' ' ALL='Group Total')*FWRWT=' '*
00010          (SUM='*'*F=6.0 PCTSUM<XENRLLMT*XSEX XENRLLMT*ALL>='%'*F=5.2)
00011          /RTS=16;
00012  TITLE 'Table 4.5';
00013  TITLE2 'Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life';
00014  TITLE3 'by TRICARE Prime Enrollment and Gender';
00015  TITLE4 'TNEX Region 2 Only';
00016  RUN;
00017
00018
00019
00020
00021
00022
00023
00024
00025
00026
00027
00028
00029
00030
00031
00032
00033
00034
00035
00036
00037
00038
```

These commands produce the following output.

SAS

SAS - [Results Viewer - SAS Output]

File Edit View Go Tools Solutions Window Help

Command ==>

Table 4.5

Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life

by TRICARE Prime Enrollment and Gender

TNEX Region 2 Only

	Active Duty - under 65						Enrolled - under 65						Ma
	Male		Female		Group Total		Male		Female		Group Total		
	#	%	#	%	#	%	#	%	#	%	#	%	#
Smoked at least 100 cigarettes in life													
Yes	58942	7.31	13921	1.73	72863	9.04	79767	9.90	110757	13.74	190524	23.64	65382
No	219112	15.11	83913	5.79	303025	20.89	134350	9.26	307395	21.19	441744	30.46	136771
Total	278053	12.32	97834	4.34	375887	16.66	214117	9.49	418151	18.53	632268	28.02	202153

Output - (Untitled) Log - (Untitled) Editor - Untitled1 Program Editor - (...) Results Viewer - ...

Done

C:\Users\NJusth

Here, as above, the SUM statistic is included to help determine the accuracy of the denominator definition.

Additional information about running SAS is available from the SAS Institute. Please consult the appropriate manuals for more detailed information.

See Table 4.5 to view the entire table.

Table 4.5
Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life
by TRICARE Prime Enrollment and Gender
TNEX Region 2 Only

	Active Duty - under 65							Enrolled - under 65						
	Male		Female		Group Total			Male		Female		Group Total		
	#	%	#	%	#	%		#	%	#	%	#	%	
Smoked at least 100 cigarettes in life														
Yes	58942	7.31	13921	1.73	72863	9.04		79767	9.90	110757	13.74	190524	23.64	
No	219112	15.11	83913	5.79	303025	20.89		134350	9.26	307395	21.19	441744	30.46	
Total	278053	12.32	97834	4.34	375887	16.66		214117	9.49	418151	18.53	632268	28.02	

(Continued)

Table 4.5
Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life
by TRICARE Prime Enrollment and Gender
TNEX Region 2 Only

	Not enrolled - under 65							Not enrolled - 65 or over						
	Male		Female		Group Total			Male		Female		Group Total		
	#	%	#	%	#	%		#	%	#	%	#	%	
Smoked at least 100 cigarettes in life														
Yes	65382	8.11	77335	9.60	142718	17.71		229447	28.47	151896	18.85	381343	47.32	
No	136771	9.43	202789	13.98	339559	23.41		168382	11.61	179312	12.36	347694	23.97	
Total	202153	8.96	280124	12.42	482277	21.38		397829	17.63	331207	14.68	729036	32.31	

(Continued)

Table 4.5
Have You Ever Smoked At Least 100 Cigarettes In Your Entire Life
by TRICARE Prime Enrollment and Gender
TNEX Region 2 Only

	Enrolled - 65 or over					
	Male		Female		Group Total	
	#	%	#	%	#	%
Smoked at least 100 cigarettes in life						
Yes	5102	0.63	13293	1.65	18395	2.28
No	10205	0.70	8190	0.56	18395	1.27
Total	15307	0.68	21483	0.95	36790	1.63

HOW TO MAKE A TABLE USING SPSS

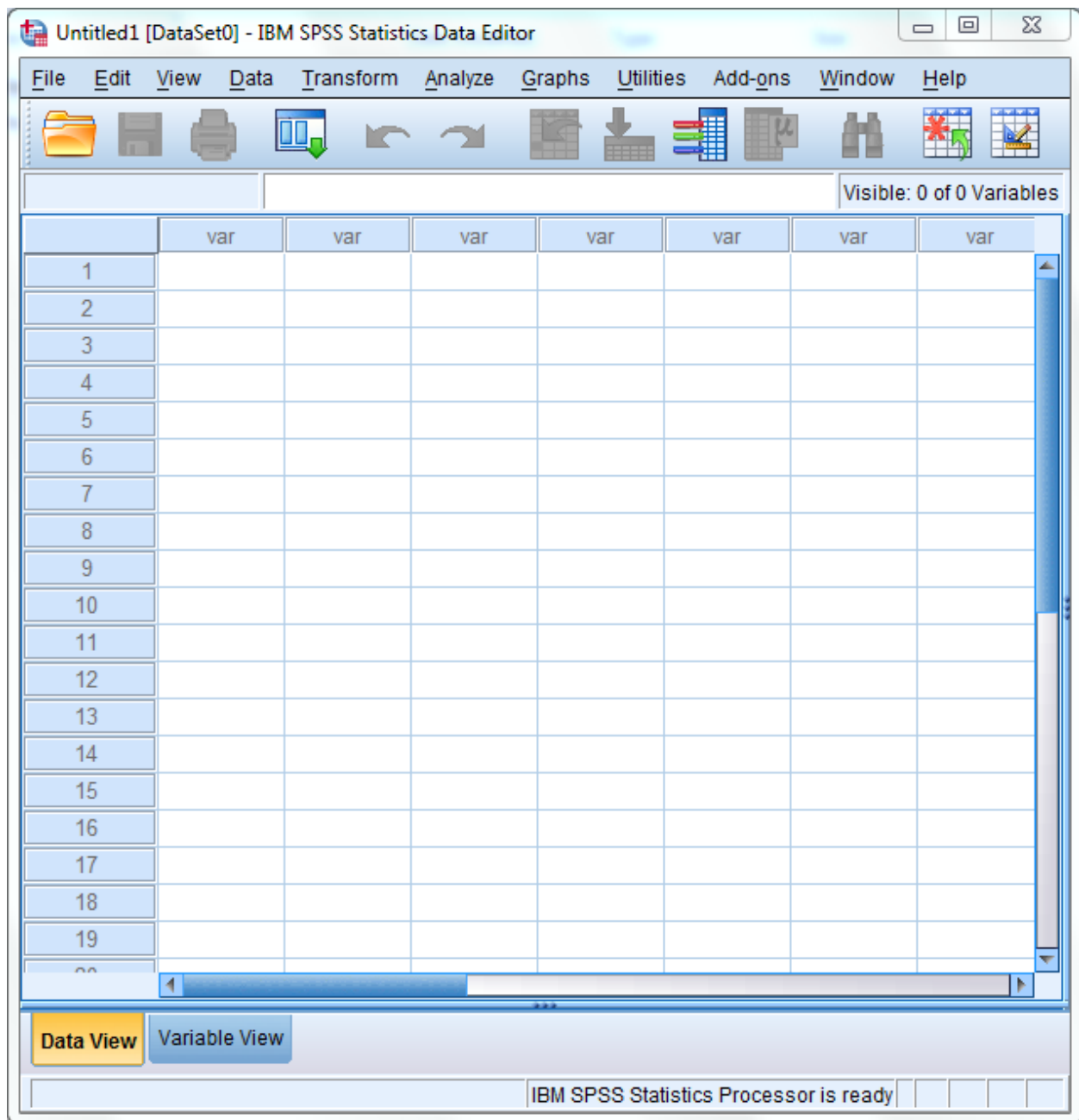
The Quarter II, 2018 Adult HCSDB dataset is available in an SPSS format. SPSS is a computer software system used for data management, summarization, and analysis. SPSS can be run interactively, using menus, or in batch mode, using syntax commands. This guide instructs users on how to use SPSS dialog boxes to:

- Construct new variables
- Recode existing variables
- Select cases for analysis
- Weight cases for analysis
- Create customized tables

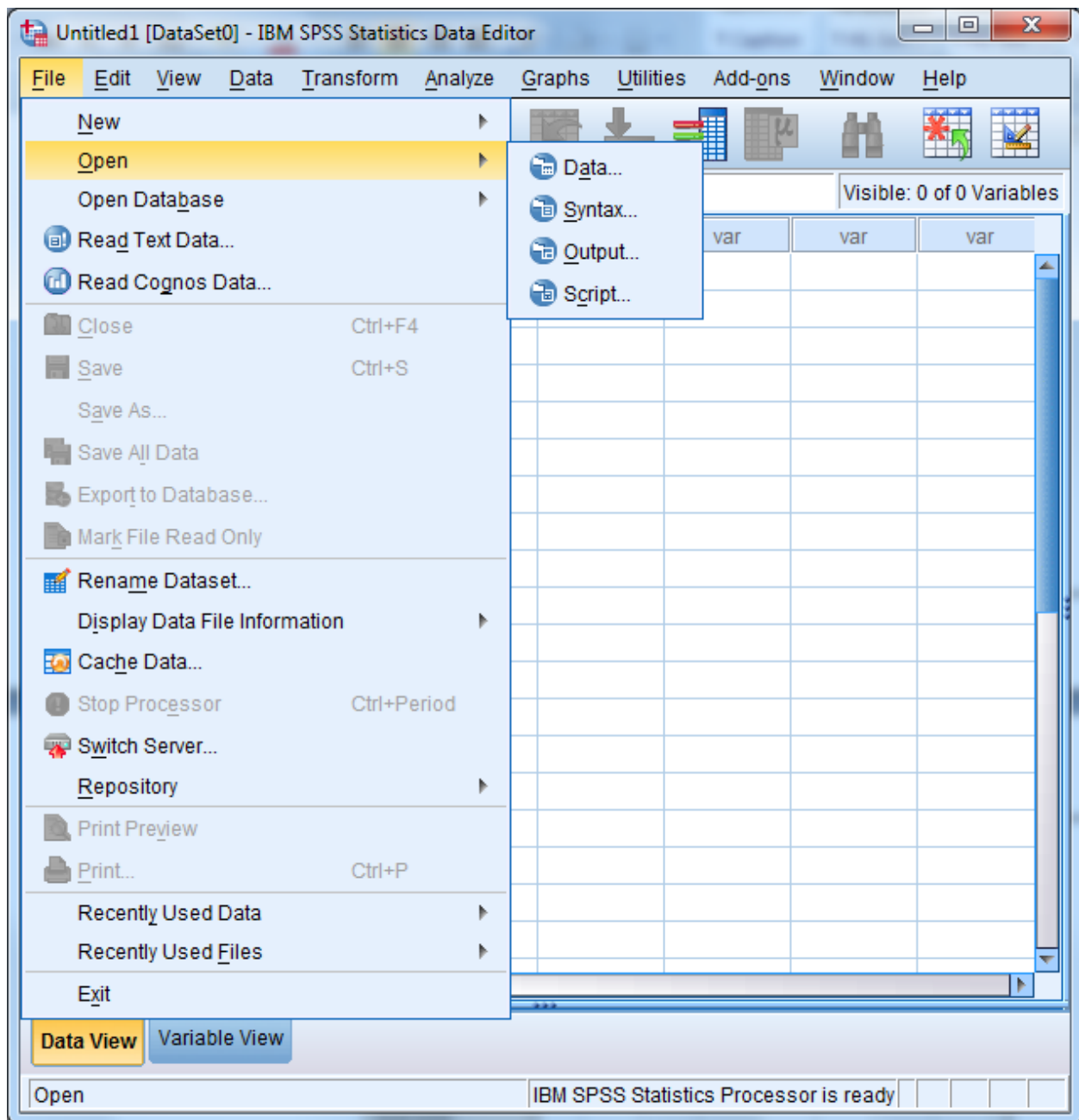
As you use the dialog boxes, you generate syntax automatically. This syntax may be pasted into a syntax file for future use or for modification.

Locating and opening the data file

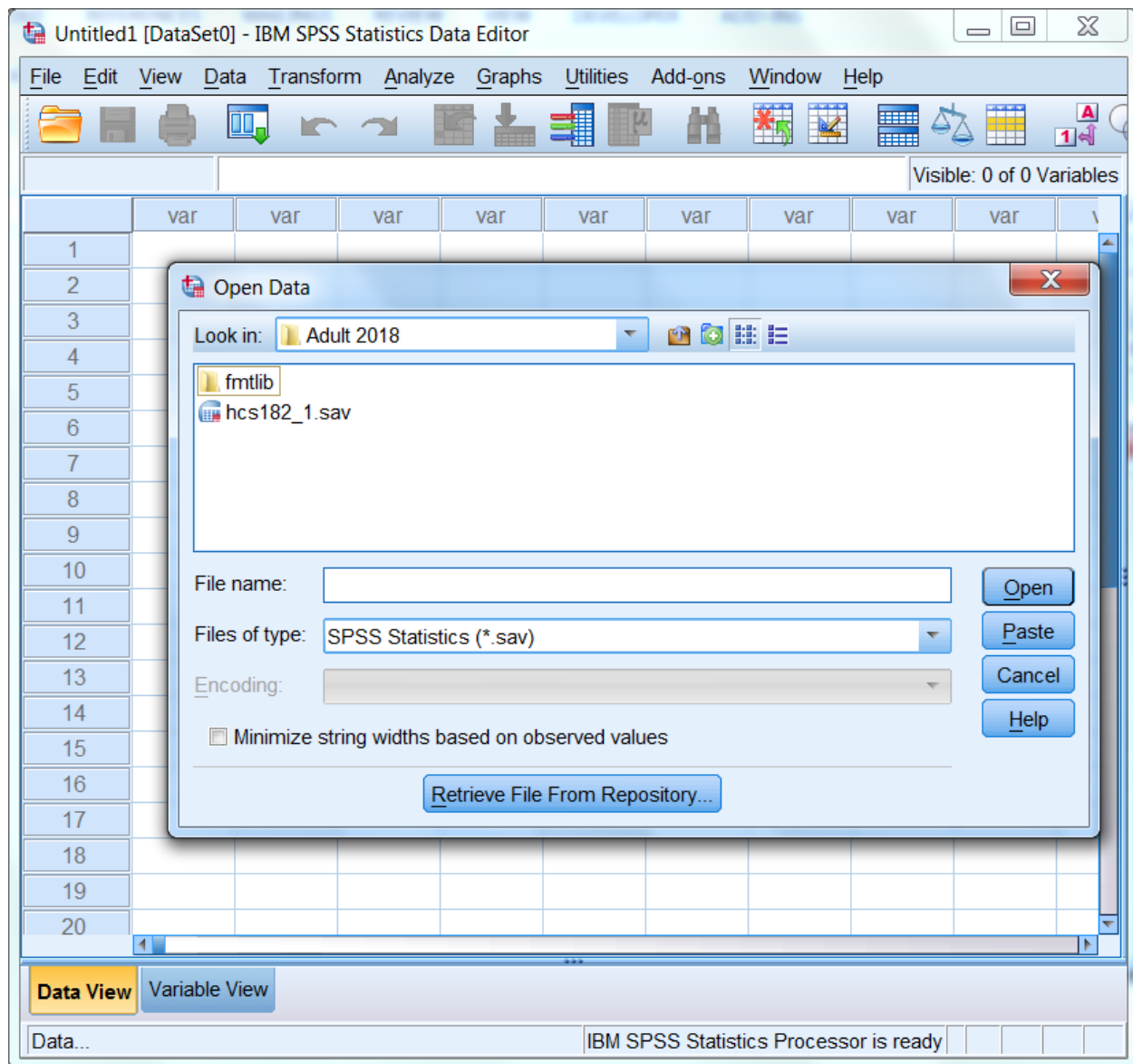
To begin an SPSS session, double click on the SPSS icon on your desktop. The Data Editor window will open and present a spreadsheet with a dialog box. Click Cancel in the bottom right corner to close the dialog box and a blank spreadsheet will appear:



Click on File in the upper left corner to open the following menu:



Select the **Open** option or choose a file from the list displayed. **Open** and **data** produces the following screen:



If the file is not in this directory, navigate through your folders until you locate it. Mark the file and click **Open**. You will be returned to the spreadsheet Data Editor with the file on view. The Quarter II, 2018 Adult HCSDb dataset has been opened and is displayed below.

hcs182_1.sav [DataSet1] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help

Visible: 249 of 249 Variables

	MPRID	SVCSMPL	SEXSMPL	STRATUM	JSFLAG	EN BG	MPCSMPL	NHFF
1	00044424	1	2	1025206	0	06	1	134
2	00044535	1	2	1007503	0	03	2	187
3	00050816	4	1	1007403	0	06	1	1044
4	00064079	1	2	1012306	1	06	2	170
5	00079119	4	1	1031003	0	06	1	494
6	00109329	4	2	1007403	0	06	2	1044
7	00124703	4	1	1007403	0	06	1	1044
8	00126985	4	1	1031003	0	06	2	494
9	00136727	4	1	1001803	0	06	1	507
10	00138622	4	2	1001803	0	06	2	507
11	00138729	2	1	1007403	0	06	2	1044
12	00145689	4	1	1080503	0	01	1	1050
13	00157440	4	1	1031003	0	06	2	494
14	00166090	4	2	1004603	0	06	1	1039
15	00178797	4	1	1031003	0	06	1	494
16	00193909	4	1	1001803	0	06	2	507
17	00195780	1	2	1010506	0	06	1	183
18	00202325	4	1	1001803	0	06	2	507

Data View Variable View

IBM SPSS Statistics Processor is ready

Constructing new variables

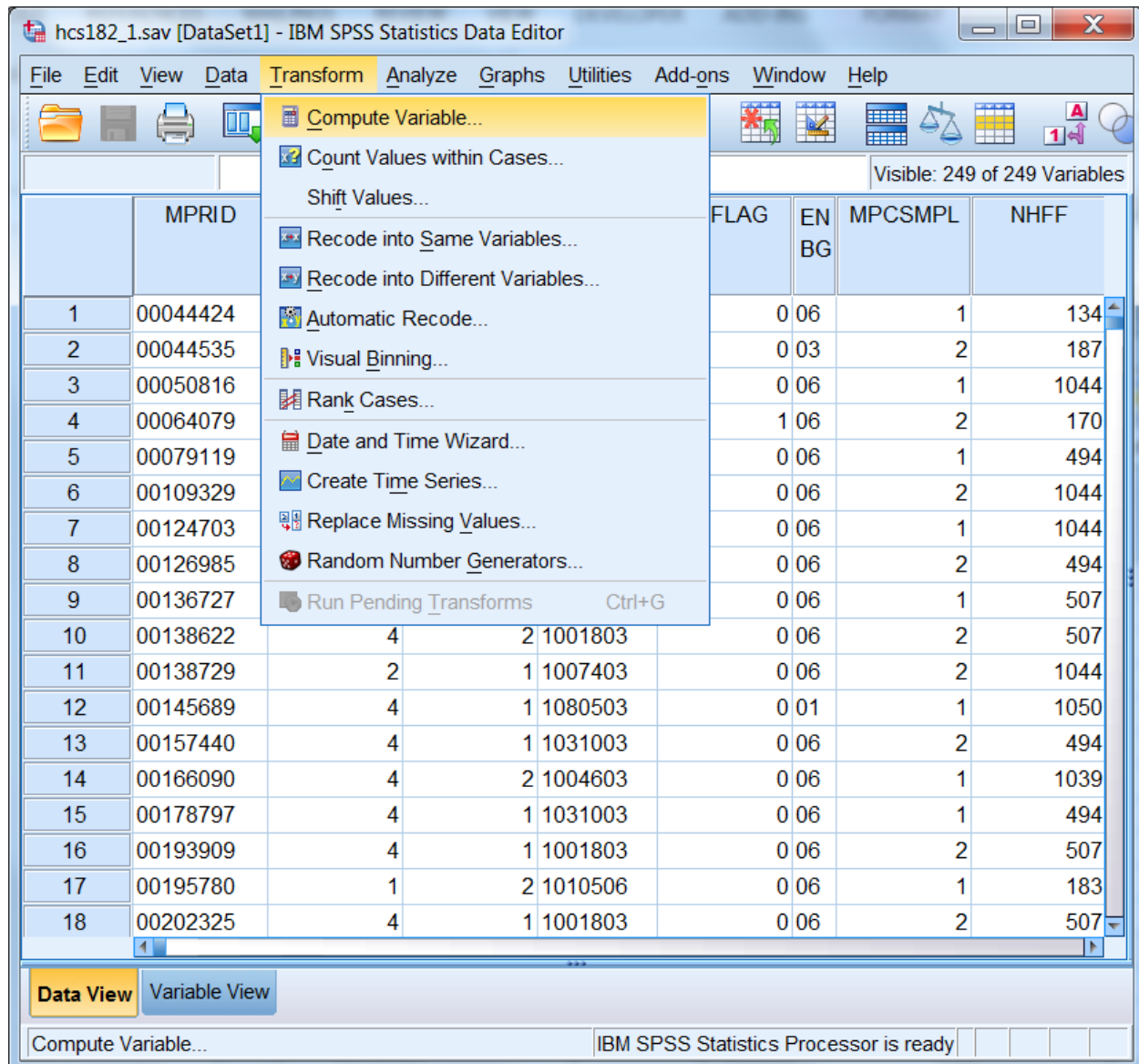
Data can be evaluated from many different aspects. It is sometimes useful to build new variables from combinations of the existing ones and to examine their distributions.

For example, the variable in the file for beneficiary group at the time of sampling is called xbnfgrp, and the variable for sex is xsexa. The value 1 for xbnfgrp indicates that the individual is on Active Duty. The relationships for constructing a new variable of Active Duty by sex are:

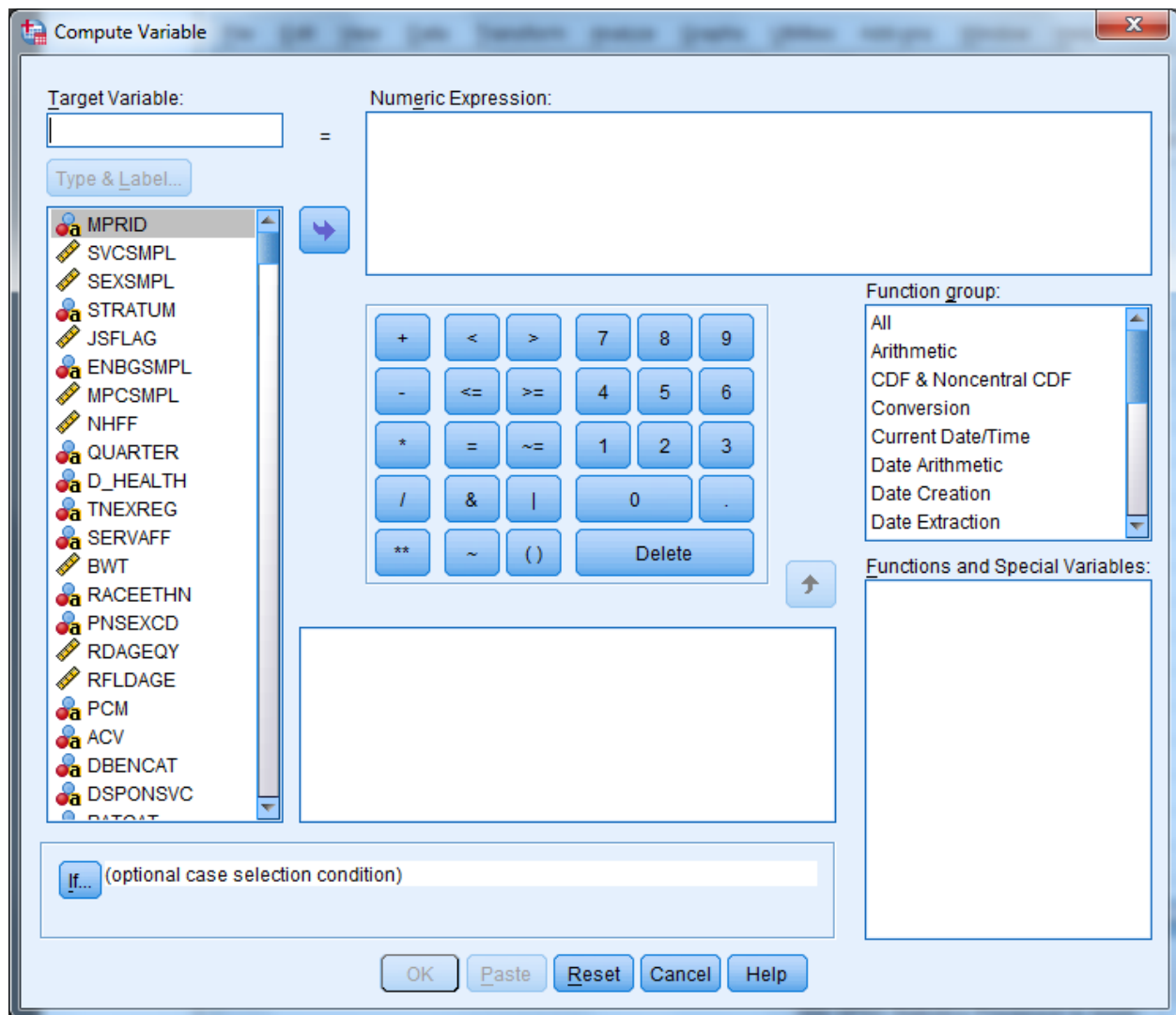
Active-Duty-males: **XSEXA=1 and XBNFGRP=1**

Active-Duty-females: **XSEXA=2 and XBNFGRP=1**

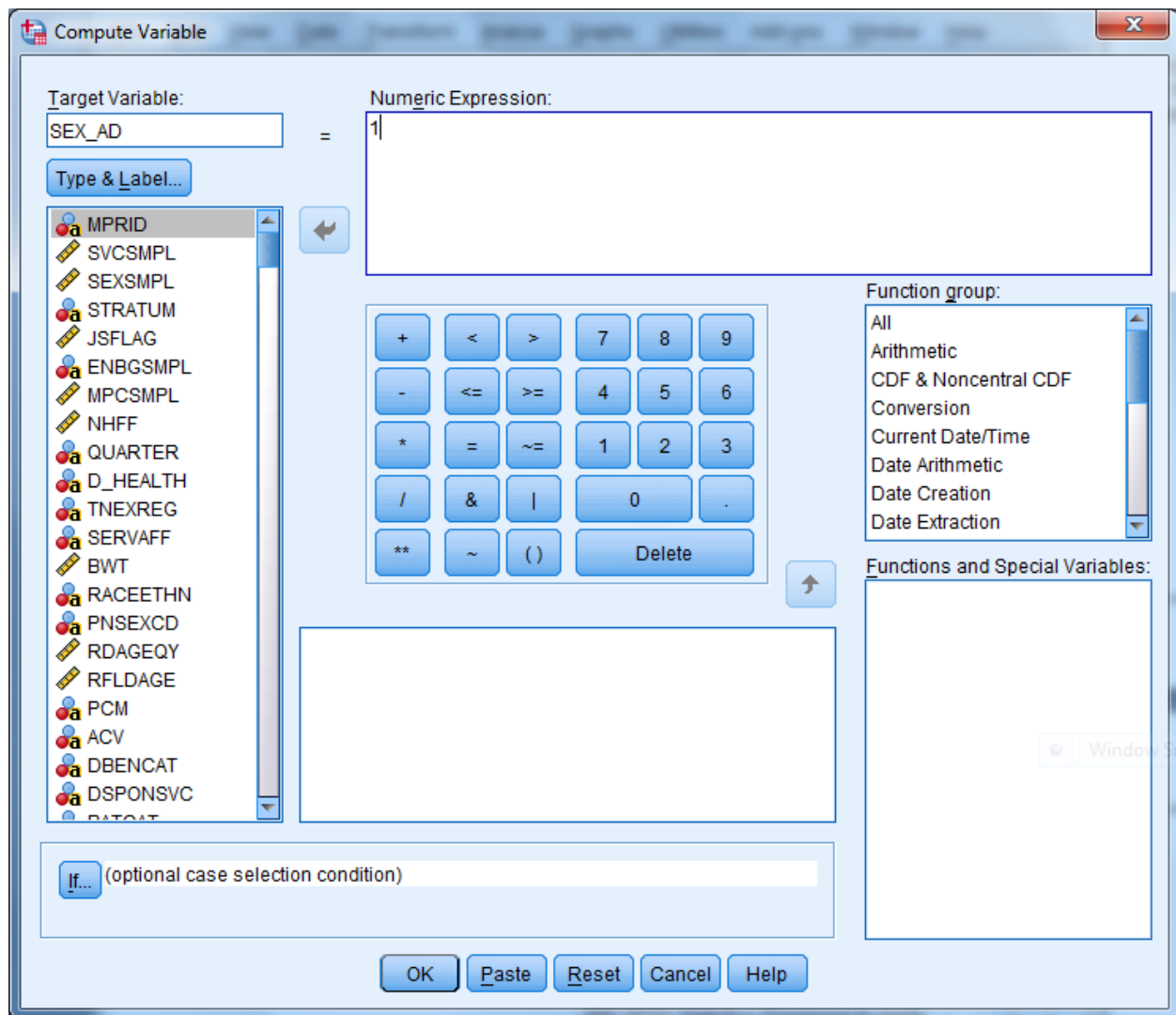
Open the Transform menu and select Compute Variable as in the following:



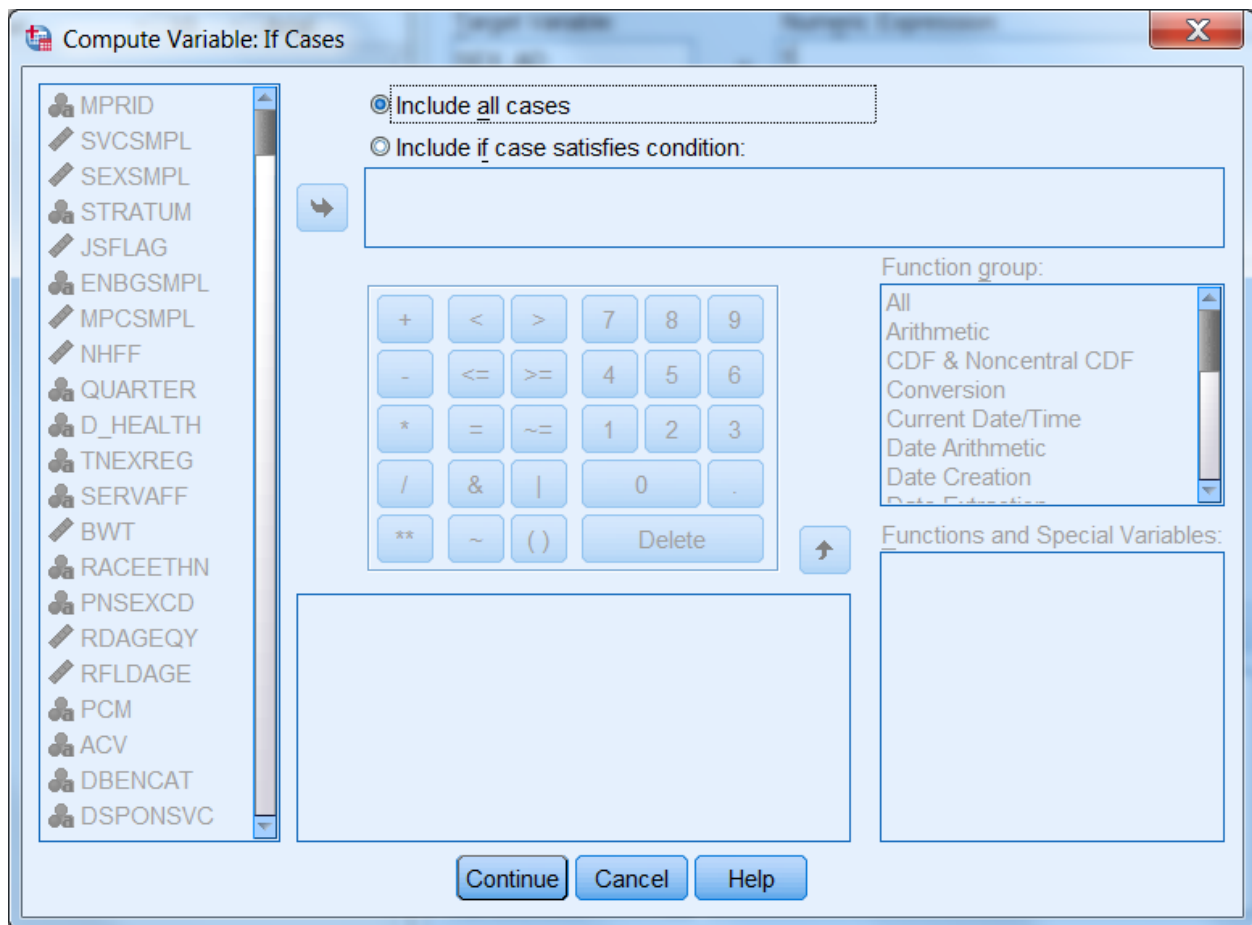
The following dialog box will open:



You can build the new variable in two steps to express the two conditions. The first task is to give the new variable a name and its first value. Enter the Target Variable slot and name the new variable `sex_ad`. Next, assign the value 1 to `sex_ad` by entering it into the slot for Numeric Expression. Your screen should look like the following:

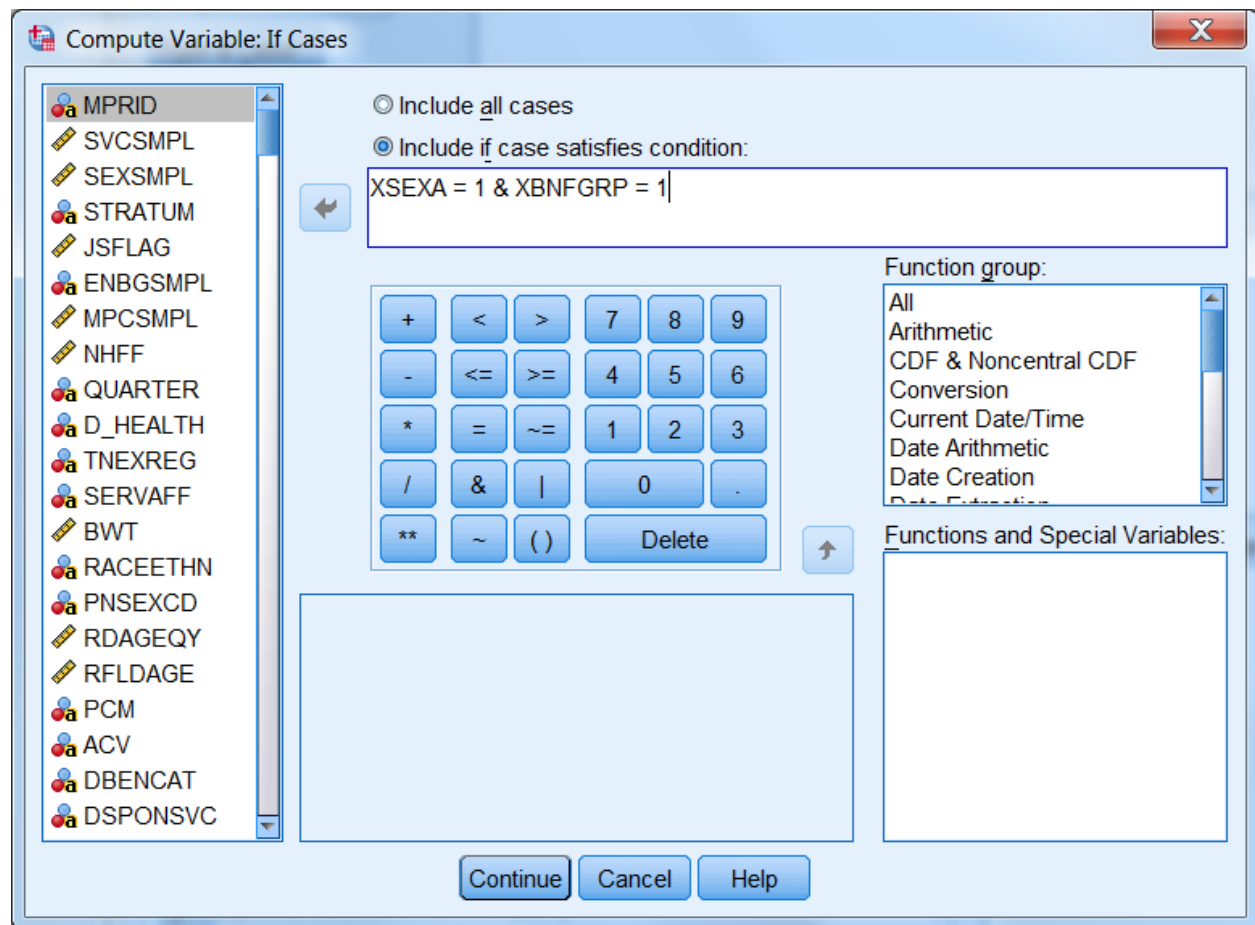


Once you we have assigned the value 1 to sex_ad, you can build the condition that qualifies the assignment. Click on If and open the following dialog box:

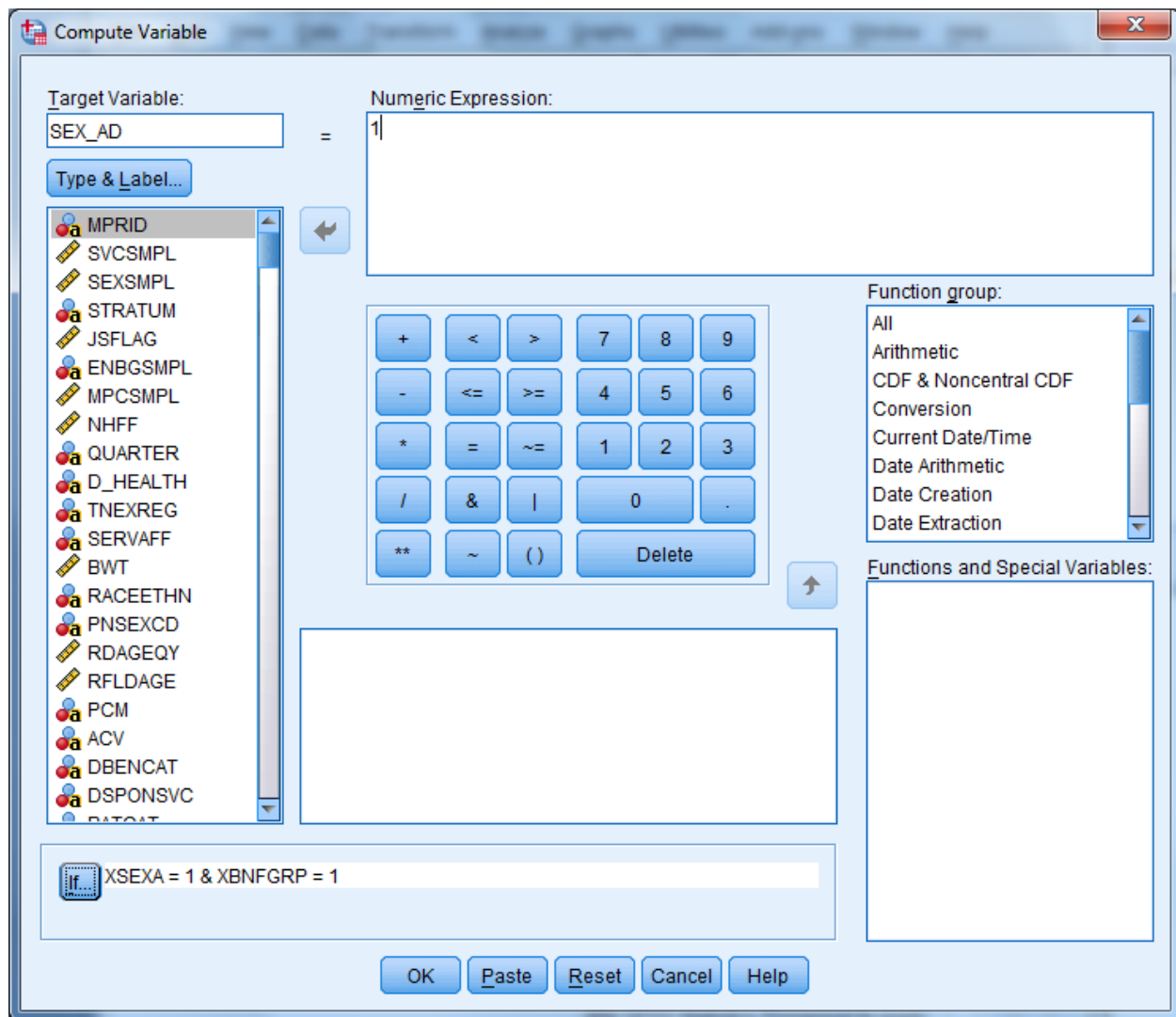


Click on the circle indicating Include if case satisfies condition, and the black dot will move to that circle. The slot underneath will open, ready for your input. Build the “if” condition. Write it directly into the slot or move the elements into the slot from the given options. Add the elements xsexa = 1 & xbnfgrp = 1.

The screen should resemble the following:



Click on Continue and return to the previous screen, which will now look like this:



Your condition will be written next to the If button. Click on OK to exit the dialog box, and the variable sex_ad will be created with its value set to 1.

The next step is to build the second condition for the new variable, which will set it to the value 2. Reopen the Compute dialog box. The commands you just gave still appear in the dialog box. Simply assign the value 2 to sex_ad, press If, and enter the new condition to identify Active Duty females. Click Continue, and finish with OK. The condition, if xsexa = 2 and xbnfgrp = 1, will be added to the new variable sex_ad.

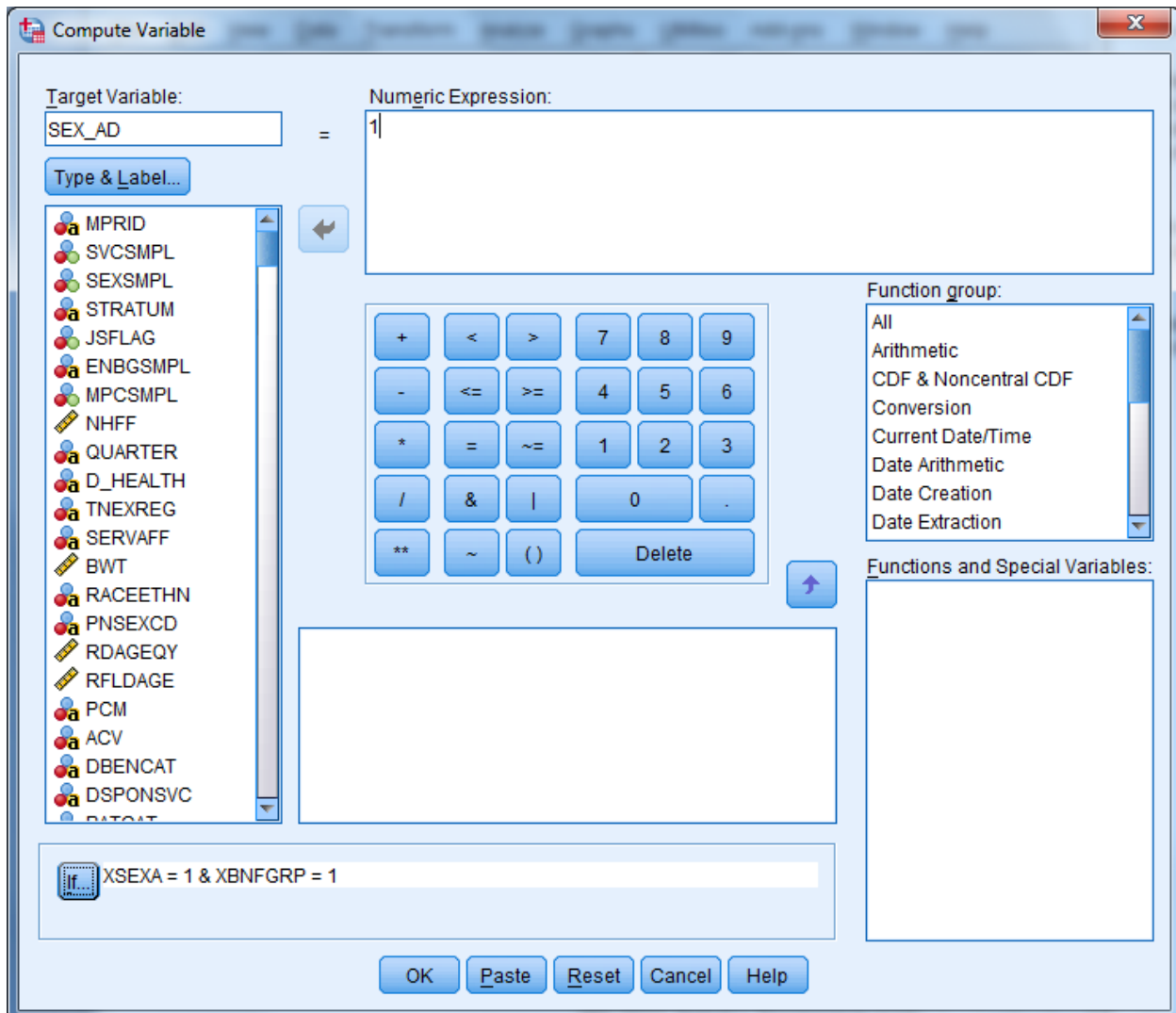
Once you have created a new variable, you may want to add it permanently to the dataset. The new variable is computed for each case in the file and added to the view in the Data Window after the last variable in the dataset. The variable name is the column heading.

Since the HCSDB data set carries Read-Only status to protect it from corruption, changes to it cannot be saved. At the end of the day, when the work session ends and you exit SPSS, the file will revert to its former status and the new variables will be lost. The solution is to save the dataset under a new name when you exit. Choose the Save As option on the File menu, and you will be prompted to name the file and to save it in a folder of your choosing. Give the file a new name and save it. Open the new expanded file anytime for processing.

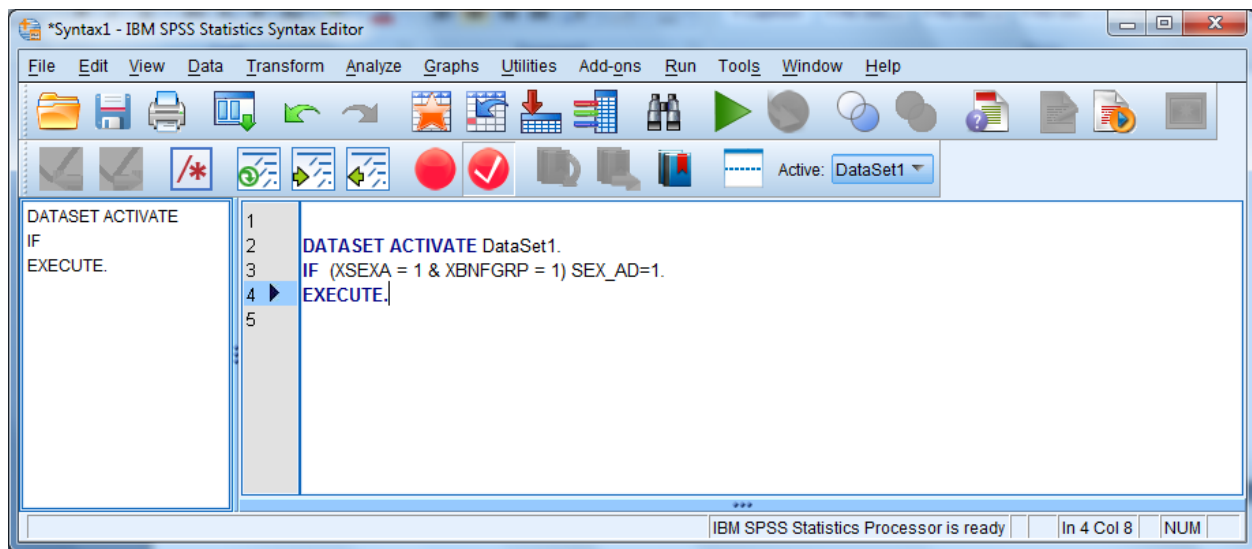
Suppose you do not want to use up your disk space for expanded copies of the dataset. Another option is to save the syntax you have generated in a file that can be run as it is needed. Syntax is a written instruction generated by the commands you give in a dialog box. These “sentences” can be saved in a file and executed when needed. This is the batch mode of processing syntax commands. Syntax files take up very little space.

Experienced SPSS programmers, who have mastered SPSS syntax, often prefer to work only in batch mode. This option is available to users who have not mastered the syntax language. You can paste the commands, generated interactively in the dialog box, onto a syntax file.

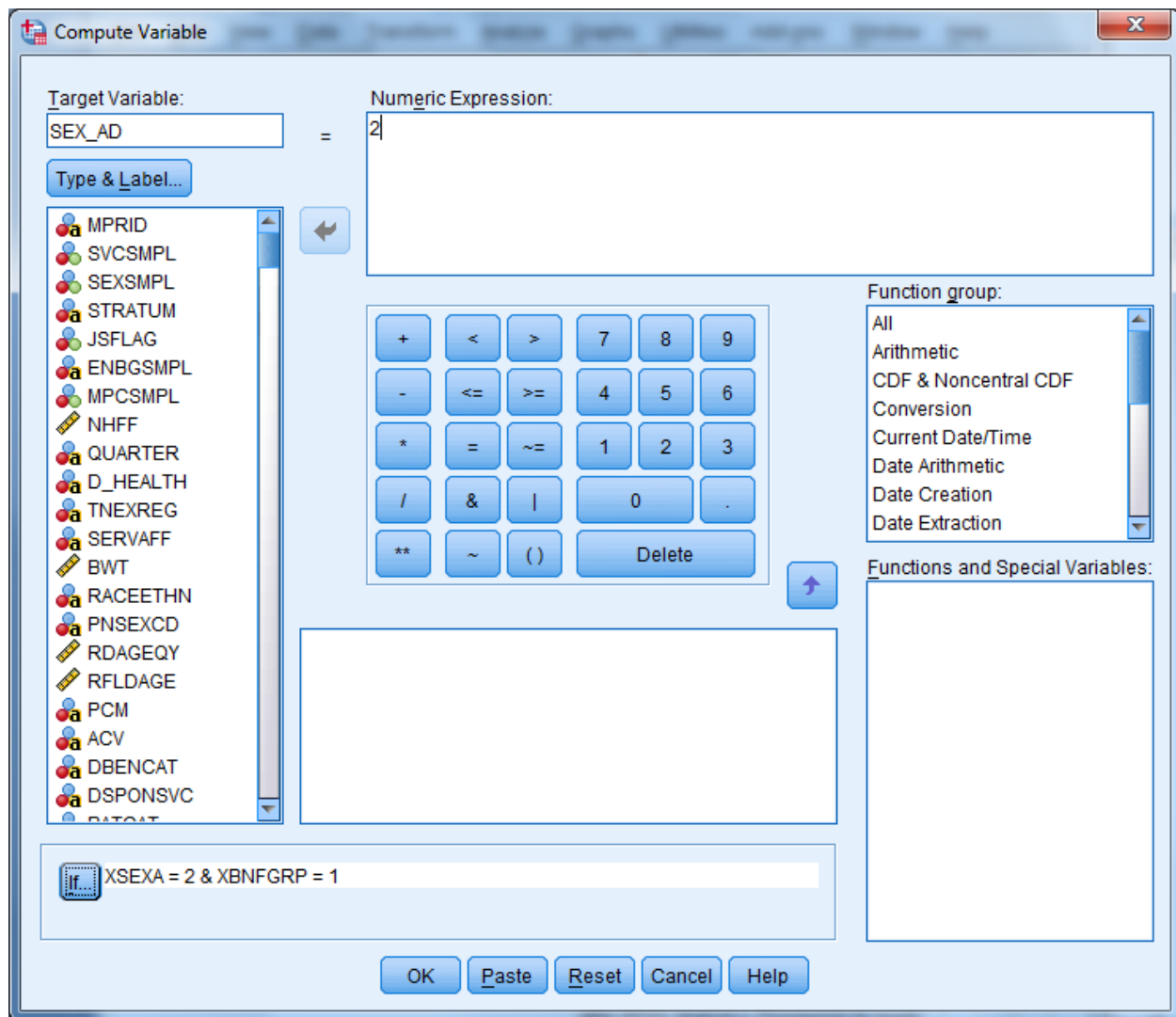
Recall the compute example for the new variable sex_ad. The screen below is the result of assigning 1 to sex_ad according to an If condition. You clicked on OK to set the value. Returning to the screen and clicking on Paste writes the command to a syntax file.



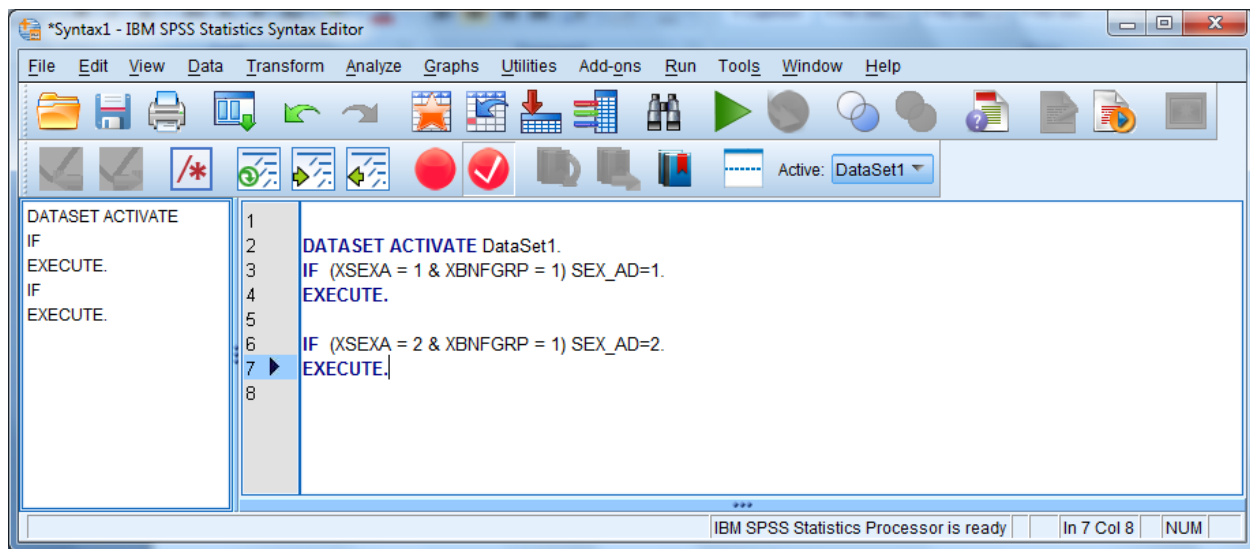
Click on the Paste button. A dialog box that says “Change existing variable?” will pop up. Click on OK, and the syntax window below will open with the syntax written in it.



Now return to the compute dialog box.



Assign the value **2** to **sex_ad** and build the “if” condition as in the diagram above. Select **Paste**, and these commands will be appended to the syntax file.



The results appear in the screen above. SPSS gives default names to syntax files, such as Syntax1, Syntax2, etc., as they are created. It is a good idea to save the syntax, re-naming the file using the **Save As** option on the **File** menu. Use a name that has some meaning to you, e.g., **New_computes**. The file will automatically receive the suffix **.sps**.

Another option for adding new variables to the dataset is to **Recode** existing variables **into** new variables. A common example involves **grouping** an age variable into age categories as shown below, using the variable **RFLDAGE**, which exists on our dataset. **RFLDAGE** is coded in years from 18 to 65, which can be grouped into four age categories:

18 to 34 = 1 - label: "young adult"

35 to 49 = 2 - label: "mature adult"

50 to 64 = 3 – label: "middle-age"

65 and higher = 4 – label: "senior citizen"

The new variable is called **age_grp**.

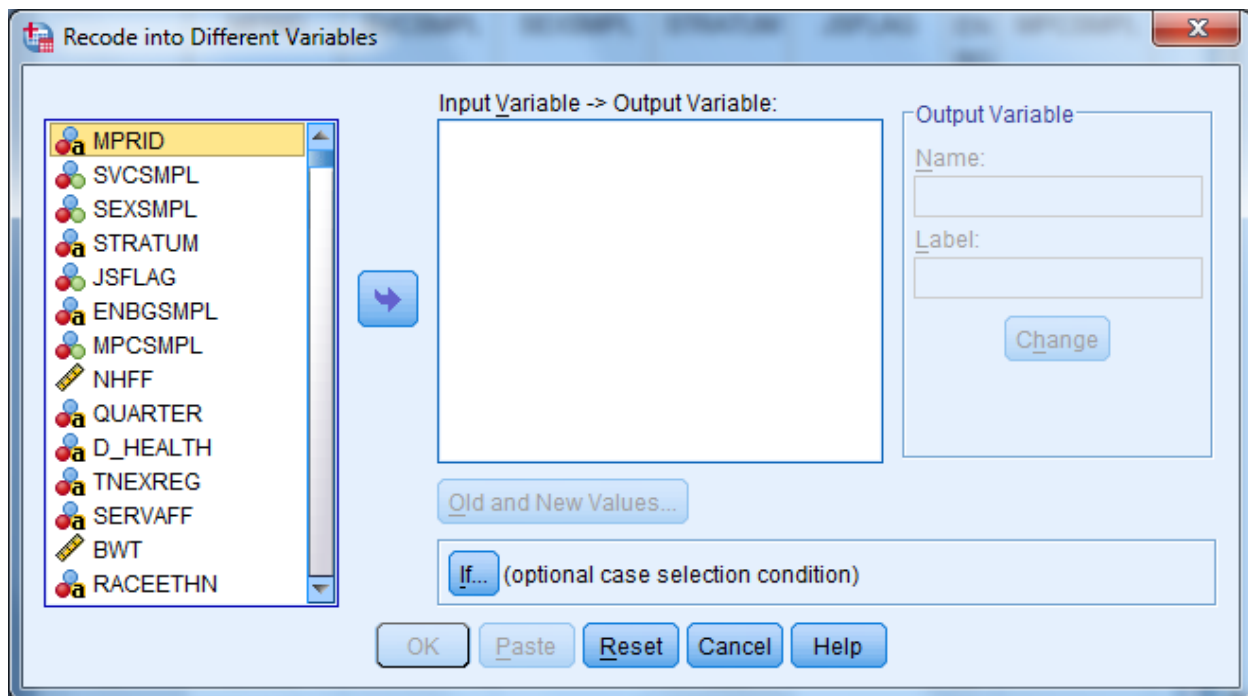
From the **Transform** menu, choose **Recode Into Different Variables** as pictured below:

The screenshot shows the IBM SPSS Statistics Data Editor window for a file named *hcs182_1.sav. The 'Transform' menu is open, and 'Recode into Different Variables...' is selected. The data table below shows the first 18 rows of the dataset.

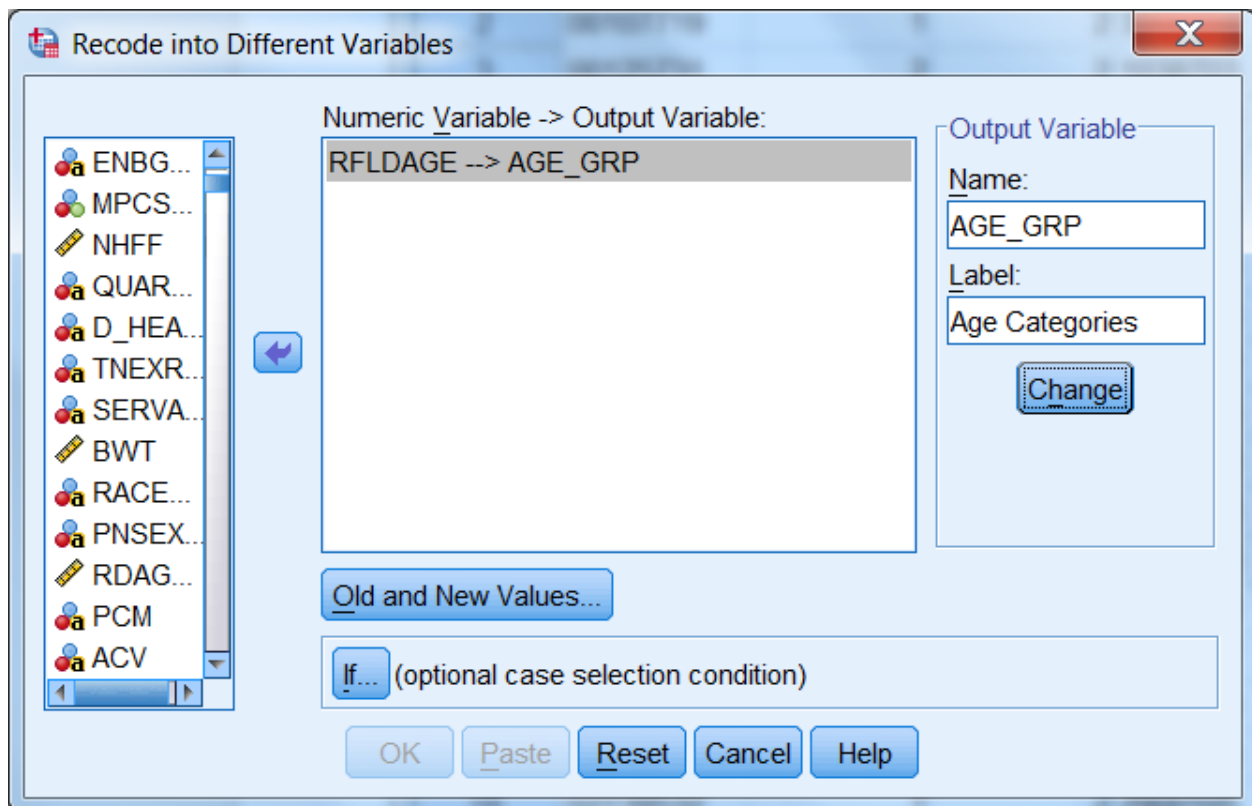
	MPRID	FLAG	EN BG	MPCSMPL	NHFF
1	00044424	0	06	1	134
2	00044535	0	03	2	187
3	00050816	0	06	1	1044
4	00064079	1	06	2	170
5	00079119	0	06	1	494
6	00109329	0	06	2	1044
7	00124703	0	06	1	1044
8	00126985	0	06	2	494
9	00136727	0	06	1	507
10	00138622	4	2	1001803	507
11	00138729	2	1	1007403	1044
12	00145689	4	1	1080503	1050
13	00157440	4	1	1031003	494
14	00166090	4	2	1004603	1039
15	00178797	4	1	1031003	494
16	00193909	4	1	1001803	507
17	00195780	1	2	1010506	183
18	00202325	4	1	1001803	507

The status bar at the bottom indicates 'Recode into Different Variables...' and 'IBM SPSS Statistics Processor is ready'.

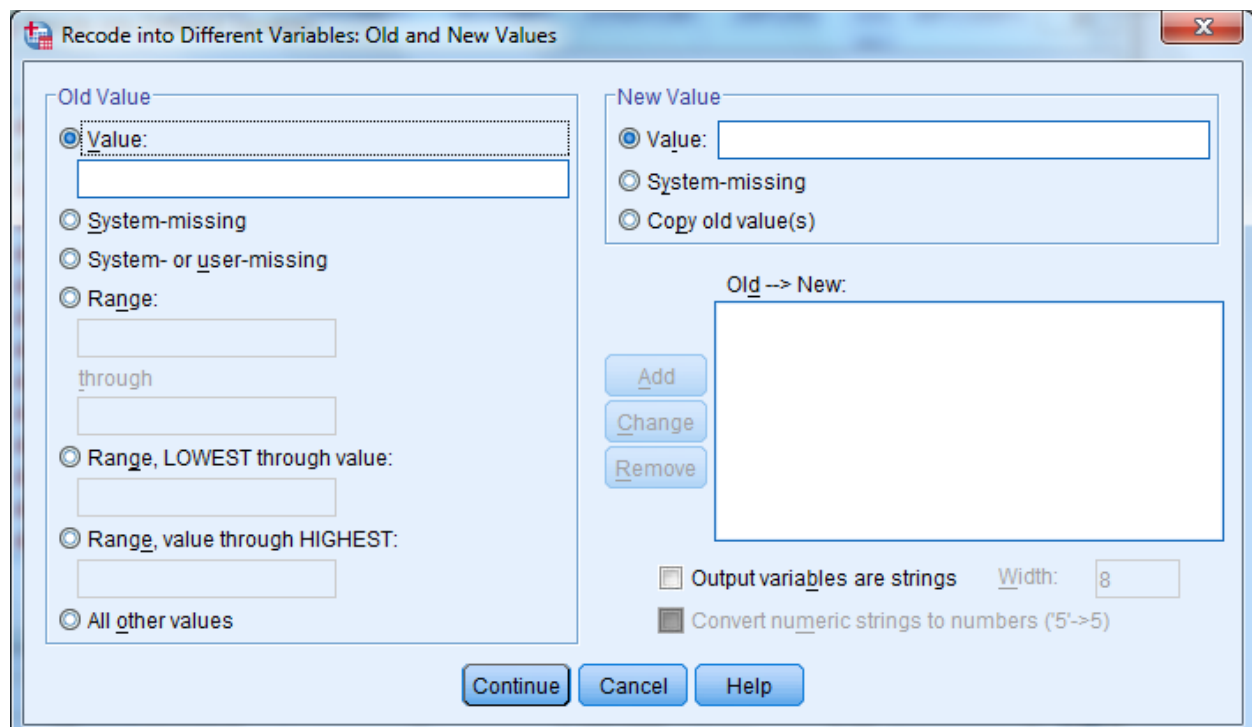
The following dialog box will open:



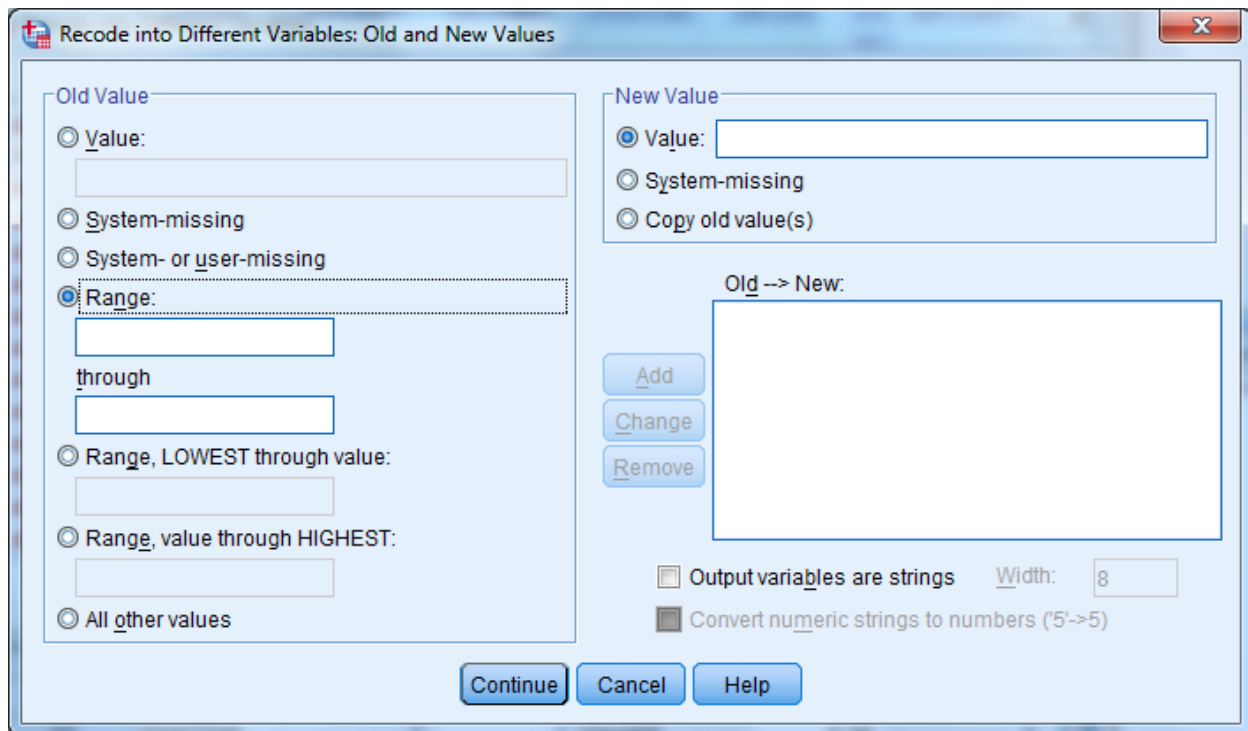
Move **RFLDAGE** from the variable list on the left to the box labeled **Input Variable -> Output Variable**. In the **Name** slot, enter the new variable name **age_grp**. Enter **Age Categories**, the variable label, in the **Label** slot. Click on **Change**. The dialog box should look like the one below.



Click on Old and New Values, and the following dialog box will open:



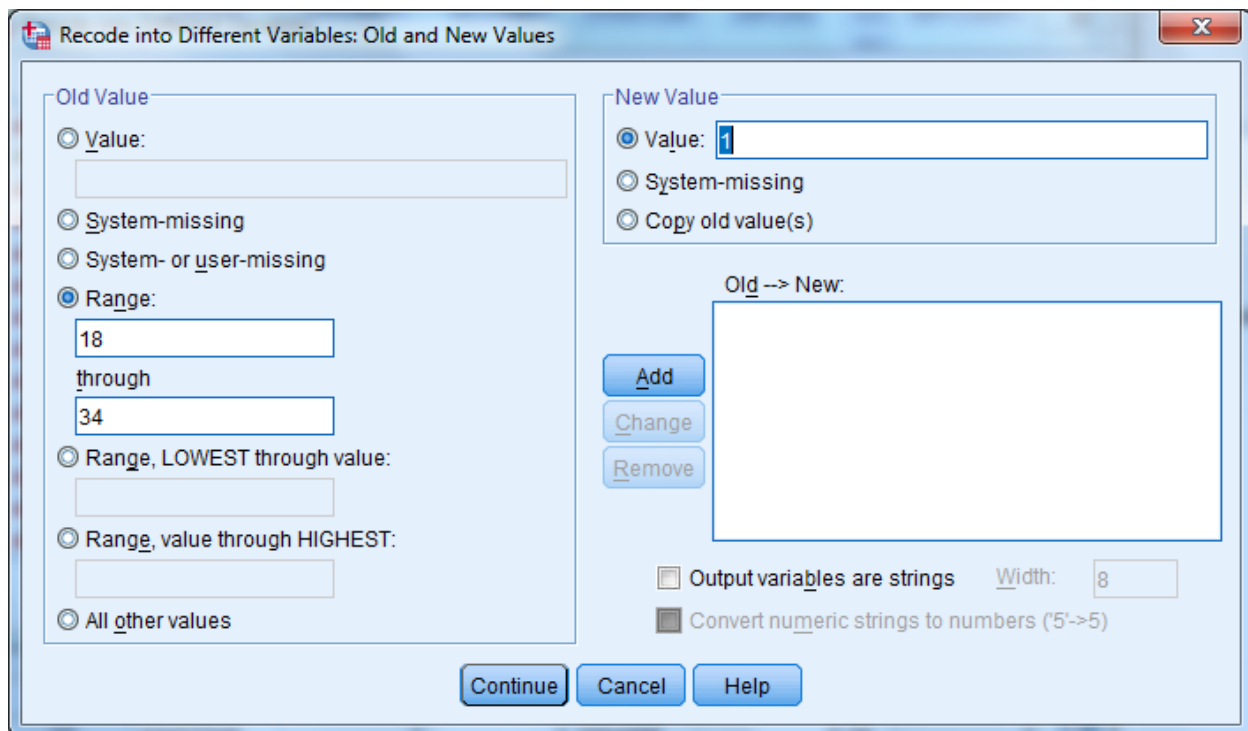
The next step in grouping the age variable is to specify the existing values of **Age** to be recoded. To do this, click on the **Range** circle under **Old Value**.



The image shows the 'Recode into Different Variables: Old and New Values' dialog box in SPSS. The 'Old Value' section on the left has the 'Range' radio button selected. Below it are two empty text boxes for the range, followed by the word 'through' and another empty text box. The 'New Value' section on the right has the 'Value' radio button selected, with an empty text box next to it. Below this are 'System-missing' and 'Copy old value(s)' options. A large empty box labeled 'Old --> New:' is in the center. At the bottom right are checkboxes for 'Output variables are strings' (unchecked) and 'Convert numeric strings to numbers' (checked). The 'Width' is set to 8. At the bottom are 'Continue', 'Cancel', and 'Help' buttons.

Once the appropriate slots are open, you have four ranges to enter.

First, enter 18 **through** 34 in the slots provided under **Range**. Next, enter the value 1 in the **Value** slot under **New Value**. **Add** is now illuminated.



The image shows the 'Recode into Different Variables: Old and New Values' dialog box in SPSS. The 'Old Value' section on the left has the 'Range' radio button selected, with '18' in the first input box and '34' in the second. The 'New Value' section on the right has the 'Value' radio button selected, with '1' in the input box. Below these sections are buttons for 'Add', 'Change', and 'Remove'. At the bottom are 'Continue', 'Cancel', and 'Help' buttons. Checkboxes for 'Output variables are strings' and 'Convert numeric strings to numbers' are at the bottom right.

Recode into Different Variables: Old and New Values

Old Value

☒ Value:

☐ System-missing

☐ System- or user-missing

☒ Range:

18

through

34

☐ Range, LOWEST through value:

☐ Range, value through HIGHEST:

☒ All other values

New Value

☒ Value: 1

☐ System-missing

☐ Copy old value(s)

Old --> New:

Add

Change

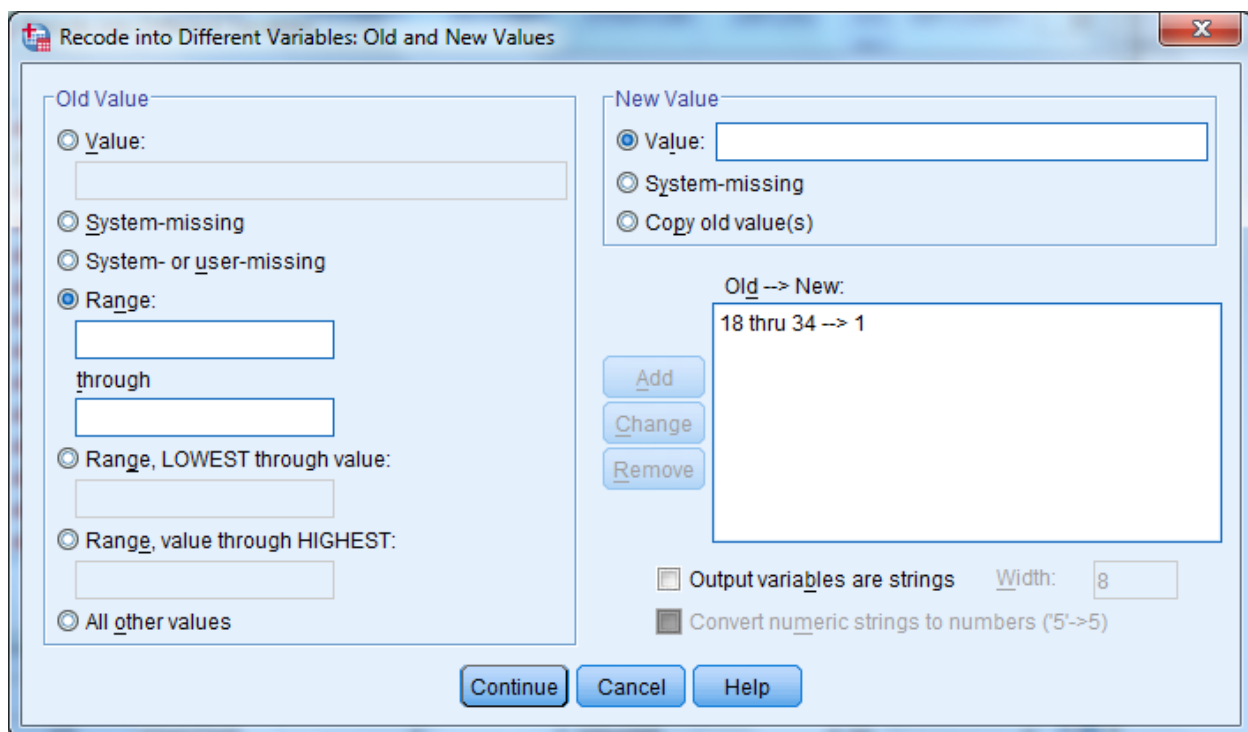
Remove

☐ Output variables are strings Width: 8

☐ Convert numeric strings to numbers ('5'-->5)

Continue Cancel Help

Clicking on Add produces the following result:



This image shows the same dialog box as above, but after clicking the 'Add' button. The 'Old --> New:' list now contains the mapping '18 thru 34 --> 1'. The 'Add' button is highlighted.

Recode into Different Variables: Old and New Values

Old Value

☐ Value:

☐ System-missing

☐ System- or user-missing

☒ Range:

through

☐ Range, LOWEST through value:

☐ Range, value through HIGHEST:

☒ All other values

New Value

☒ Value:

☐ System-missing

☐ Copy old value(s)

Old --> New:

18 thru 34 --> 1

Add

Change

Remove

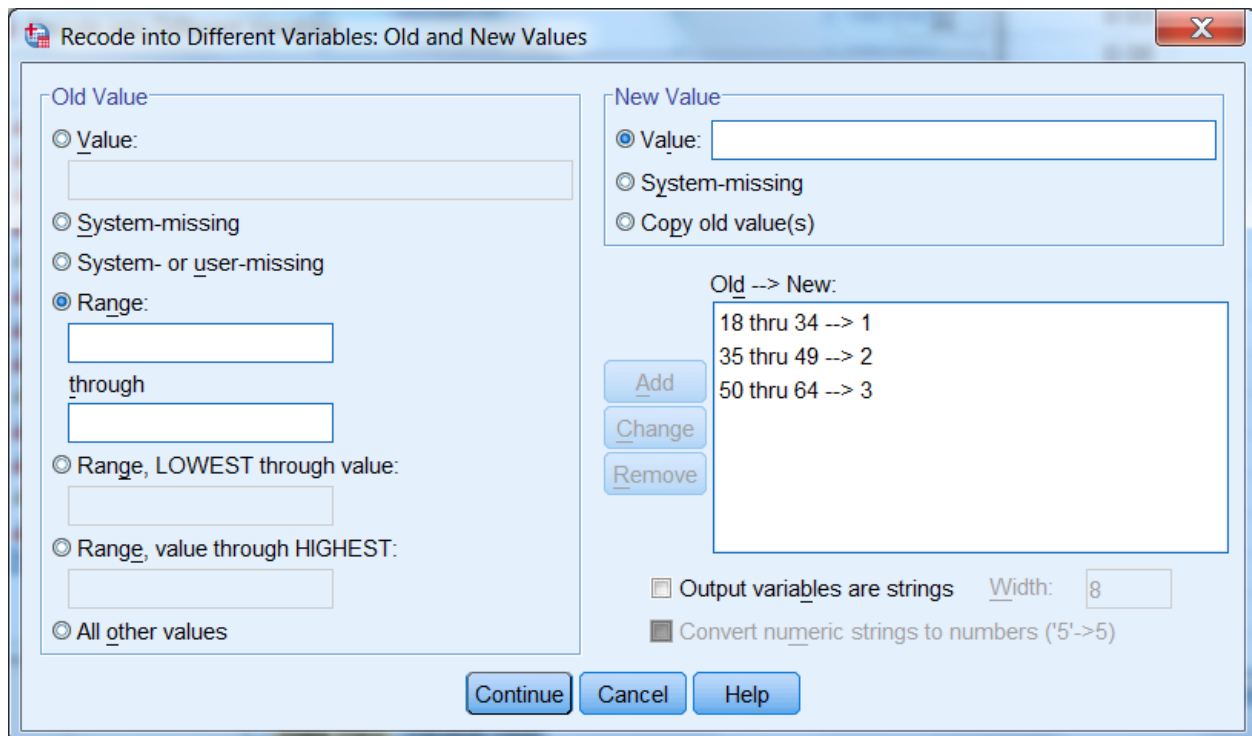
☐ Output variables are strings Width: 8

☐ Convert numeric strings to numbers ('5'-->5)

Continue Cancel Help

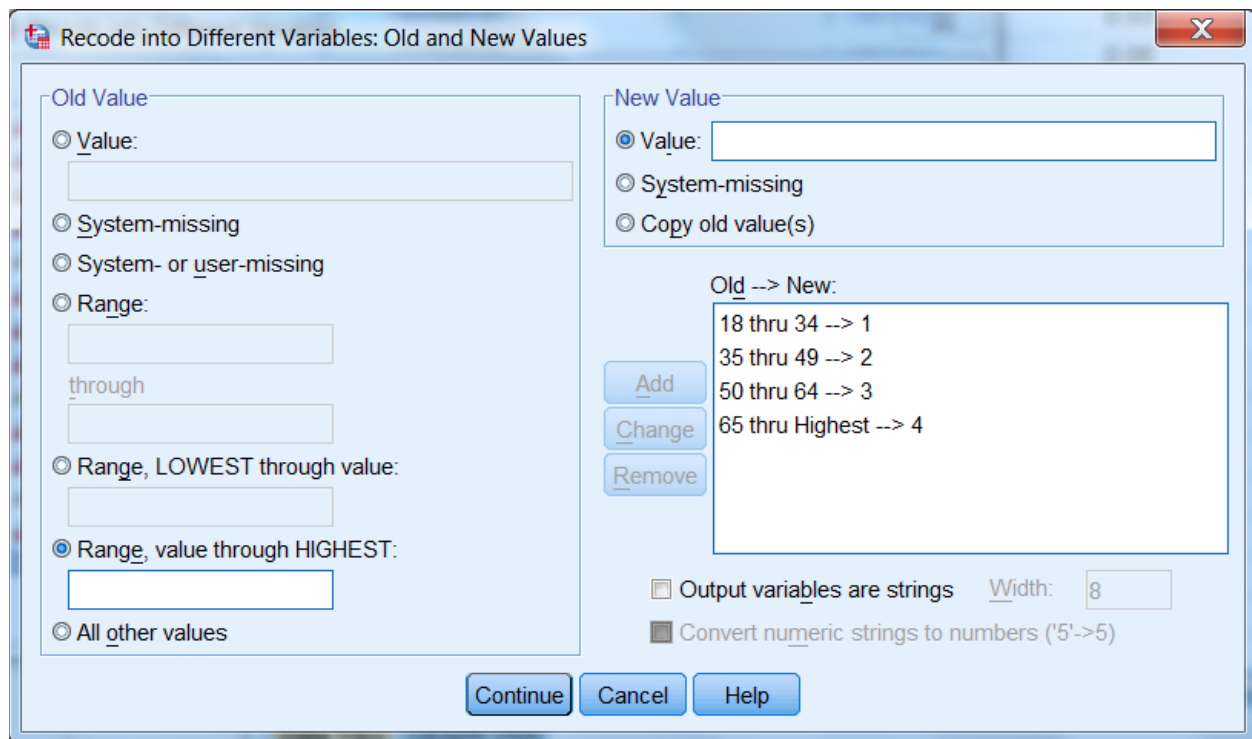
The specified range appears in the box labeled **Old -> New**, and the **Range** and **Value** slots have been cleared to permit additional entries.

The next two remaining ranges are built in the same manner, adding each specification, until the dialog box looks like the one below.



The image shows the 'Recode into Different Variables: Old and New Values' dialog box in SPSS. The 'Old Value' section on the left has the 'Range' radio button selected. The 'New Value' section on the right has the 'Value' radio button selected. In the 'Old -> New' list, three mappings are shown: '18 thru 34 --> 1', '35 thru 49 --> 2', and '50 thru 64 --> 3'. Below this list are 'Add', 'Change', and 'Remove' buttons. At the bottom, there are checkboxes for 'Output variables are strings' (unchecked) and 'Convert numeric strings to numbers ('5' -> 5)' (checked), along with a 'Width' field set to 8. 'Continue', 'Cancel', and 'Help' buttons are at the bottom of the dialog.

Because the data file is top coded at age 65, creating the final category is slightly different. Click on **Range, value through HIGHEST**, enter 65, and then enter a **Value** of 4. Finally, click on Add and the screen below will show all age categories.



The image shows the 'Recode into Different Variables: Old and New Values' dialog box in SPSS. The 'Old Value' section on the left has several radio buttons: 'Value:' (selected), 'System-missing', 'System- or _user-missing', 'Range:', 'Range, LOWEST through value:', 'Range, value through HIGHEST:', and 'All other values'. The 'New Value' section on the right has radio buttons for 'Value:', 'System-missing', and 'Copy old value(s)'. Below these is a list box titled 'Old --> New:' containing four entries: '18 thru 34 --> 1', '35 thru 49 --> 2', '50 thru 64 --> 3', and '65 thru Highest --> 4'. To the left of this list are three buttons: 'Add', 'Change', and 'Remove'. At the bottom right, there are two checkboxes: 'Output variables are strings' (unchecked) and 'Convert numeric strings to numbers ('5'-->5)' (checked). A 'Width:' field with the value '8' is next to the first checkbox. At the bottom of the dialog are three buttons: 'Continue', 'Cancel', and 'Help'.

Recode into Different Variables: Old and New Values

Old Value

- ☒ Value:
- ☐ System-missing
- ☐ System- or _user-missing
- ☐ Range:
- ☐ Range, LOWEST through value:
- ☐ Range, value through HIGHEST:
- ☐ All other values

New Value

- ☒ Value:
- ☐ System-missing
- ☐ Copy old value(s)

Old --> New:

- 18 thru 34 --> 1
- 35 thru 49 --> 2
- 50 thru 64 --> 3
- 65 thru Highest --> 4

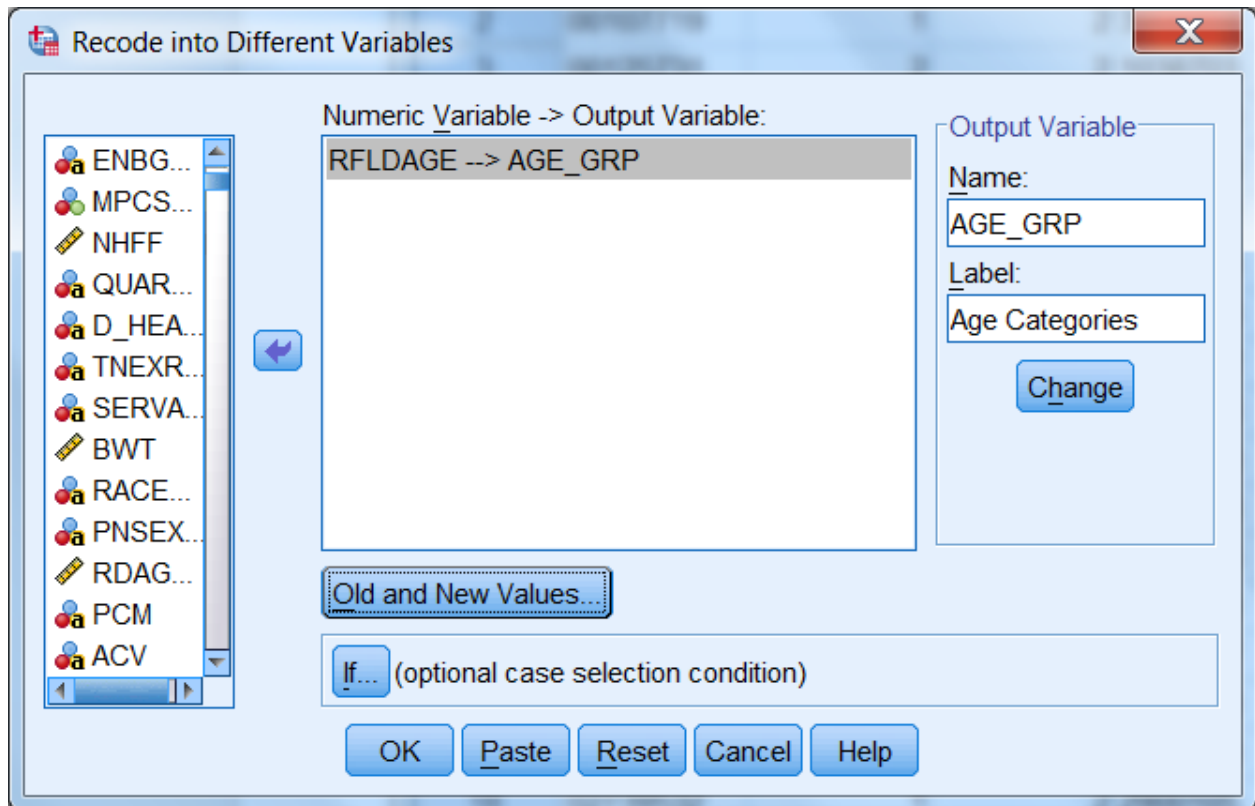
Add Change Remove

☐ Output variables are strings Width: 8

☒ Convert numeric strings to numbers ('5'-->5)

Continue Cancel Help

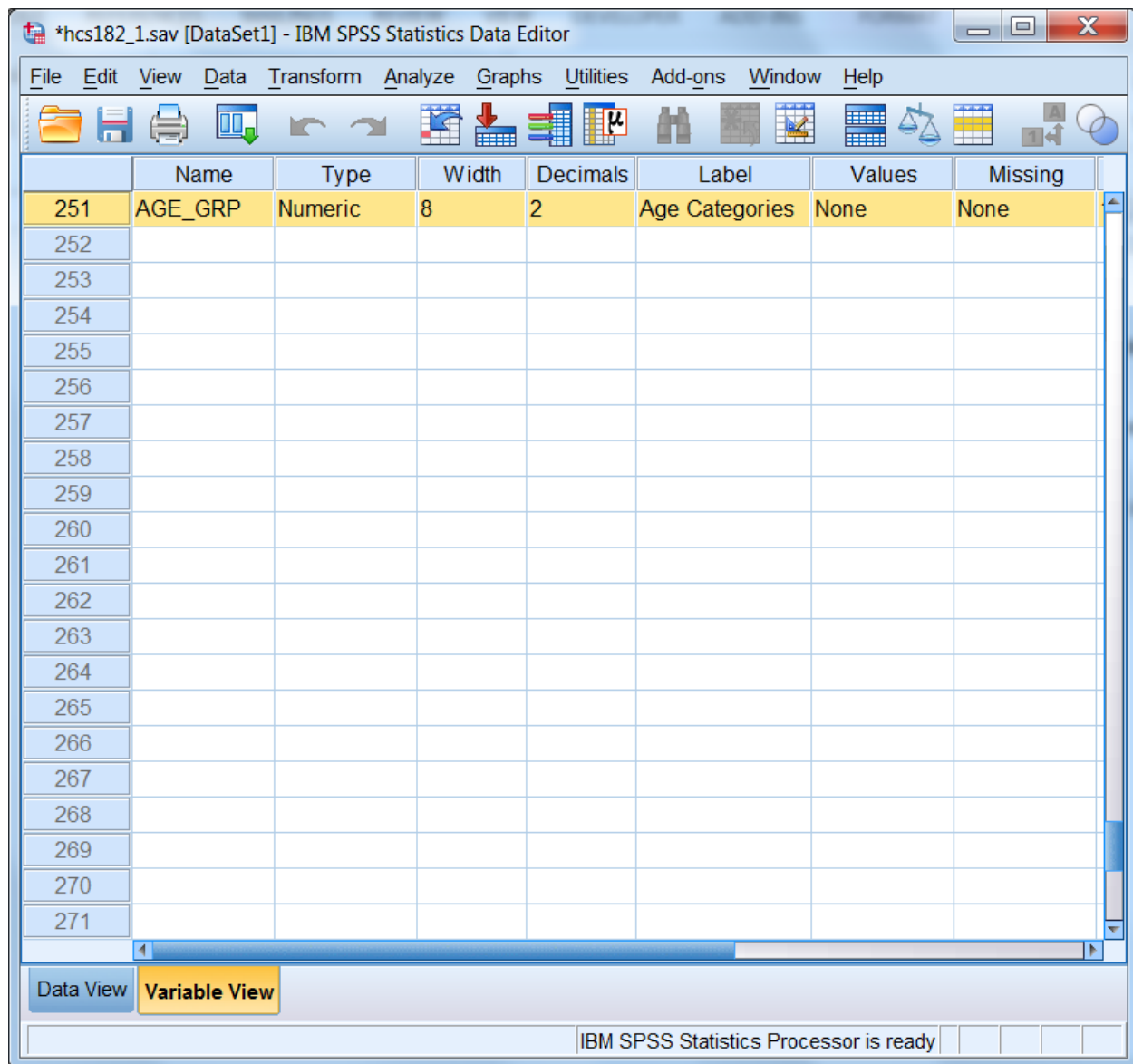
Click on Continue and return to the previous screen.



Click on **OK** to exit the screen. The new variable **age_grp** has been created. The **Recode** syntax can be pasted to a syntax file.

The final task is to create the value labels for the new variable **age_grp**. Labeling variables makes output from statistical reporting procedures much clearer and more elegant.

In the **Data Window**, go to the column for the new variable **age_grp** and double click in the gray area containing the variable name. The screen will change to variable view:



The variable **age_grp** is shown with its attributes.

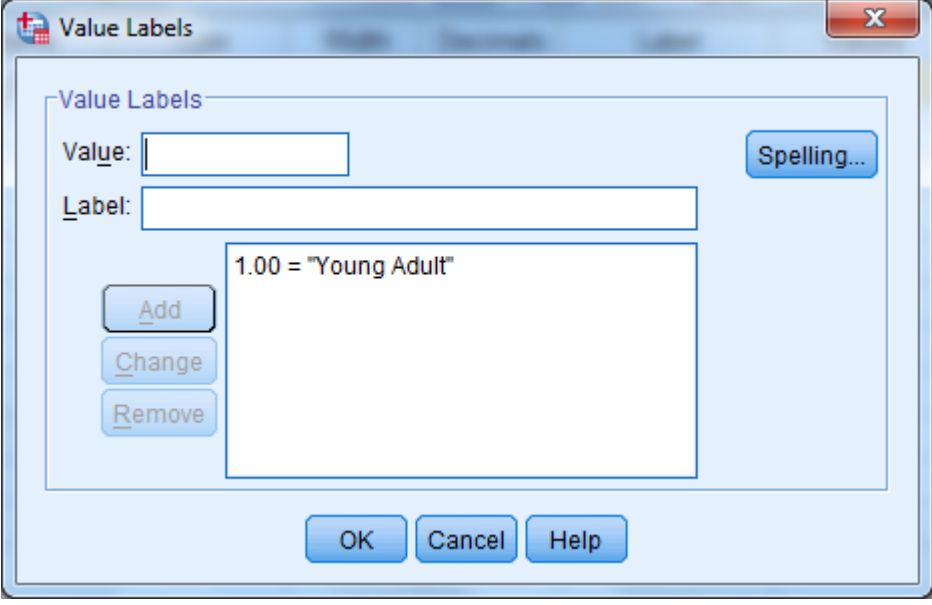
Click in the cell under **Values** and the following dialog box will open:

The 'Value Labels' dialog box is shown. It has a title bar with a red 'X' button. Inside, there's a section titled 'Value Labels'. Below this, there are two input fields: 'Value:' and 'Label:'. The 'Value:' field is empty, and the 'Label:' field is empty. To the right of the 'Value:' field is a 'Spelling...' button. Below the input fields are three buttons: 'Add', 'Change', and 'Remove'. The 'Add' button is highlighted. At the bottom of the dialog box are three buttons: 'OK', 'Cancel', and 'Help'.

You can then begin to label the *values* of **age_grp**. Enter **1** in the slot marked **Value**, and enter the label **Young Adult** in the slot marked Value Label. The screen will look like the following:

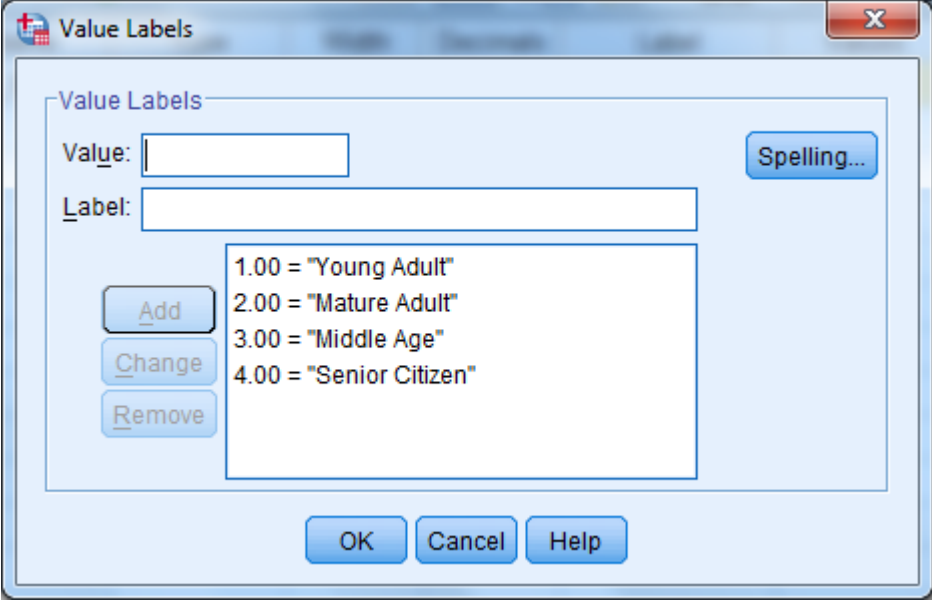
The 'Value Labels' dialog box is shown. It has a title bar with a red 'X' button. Inside, there's a section titled 'Value Labels'. Below this, there are two input fields: 'Value:' and 'Label:'. The 'Value:' field contains the text '1', and the 'Label:' field contains the text 'Young Adult'. To the right of the 'Value:' field is a 'Spelling...' button. Below the input fields are three buttons: 'Add', 'Change', and 'Remove'. The 'Add' button is highlighted. At the bottom of the dialog box are three buttons: 'OK', 'Cancel', and 'Help'.

Add is now illuminated. Click on **Add** and the text of your command will appear in the central box, clearing the slots for further entries, as in the next screen.



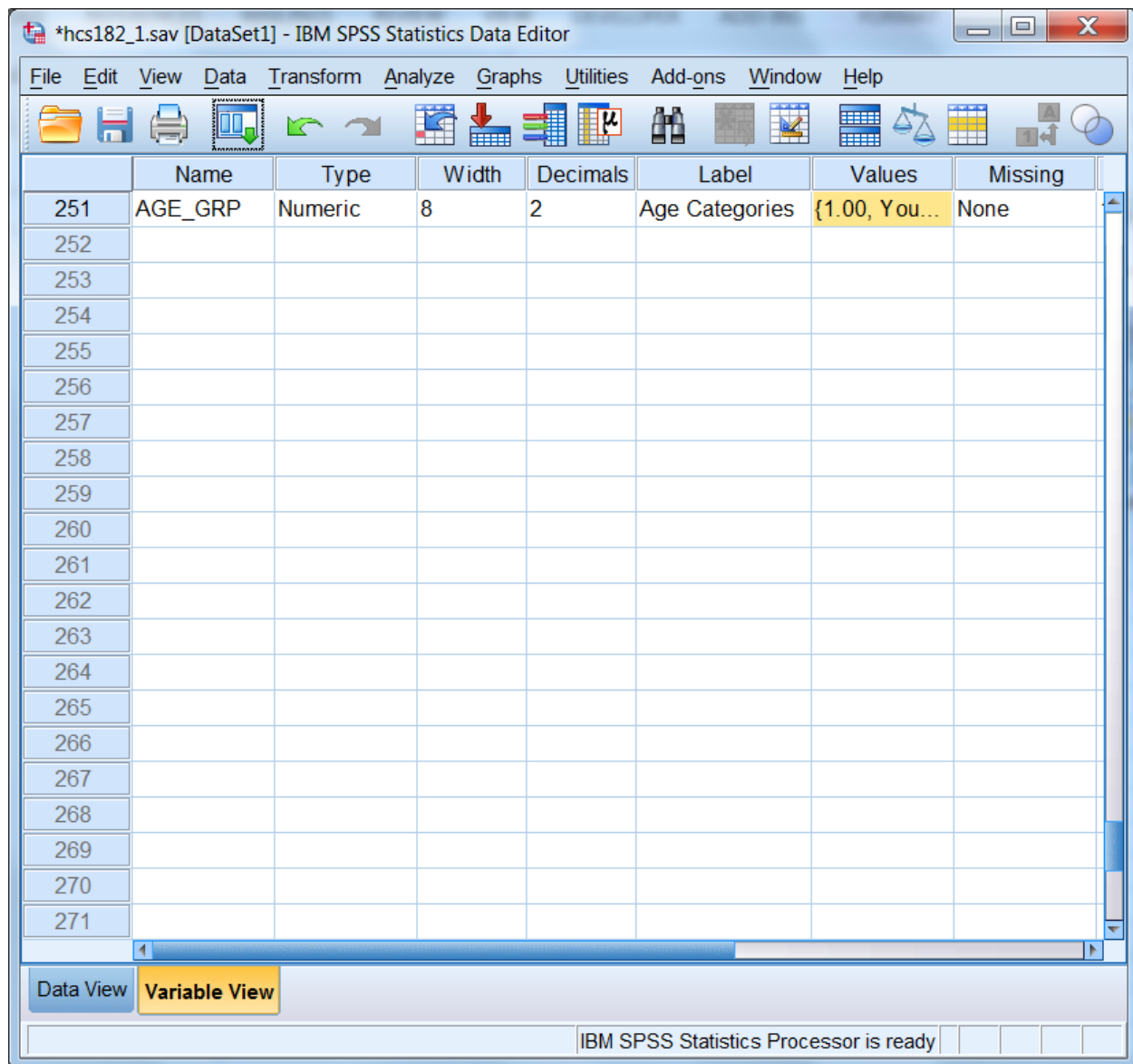
The "Value Labels" dialog box is shown. It has a title bar with a red close button. The main area is titled "Value Labels" and contains a "Value:" text box, a "Label:" text box, and a list box. The list box contains one entry: "1.00 = 'Young Adult'". To the left of the list box are three buttons: "Add", "Change", and "Remove". To the right of the list box is a "Spelling..." button. At the bottom are three buttons: "OK", "Cancel", and "Help".

Build the other three labels until the screen looks like the following:



The "Value Labels" dialog box is shown with four entries in the list box: "1.00 = 'Young Adult'", "2.00 = 'Mature Adult'", "3.00 = 'Middle Age'", and "4.00 = 'Senior Citizen'". The other elements (Value and Label text boxes, Add/Change/Remove buttons, Spelling... button, and OK/Cancel/Help buttons) are the same as in the previous image.

Click on **OK** and the screen will appear as follows:



Click on the **Data View** tab to return to the data screen.

Limiting the Number of Variables

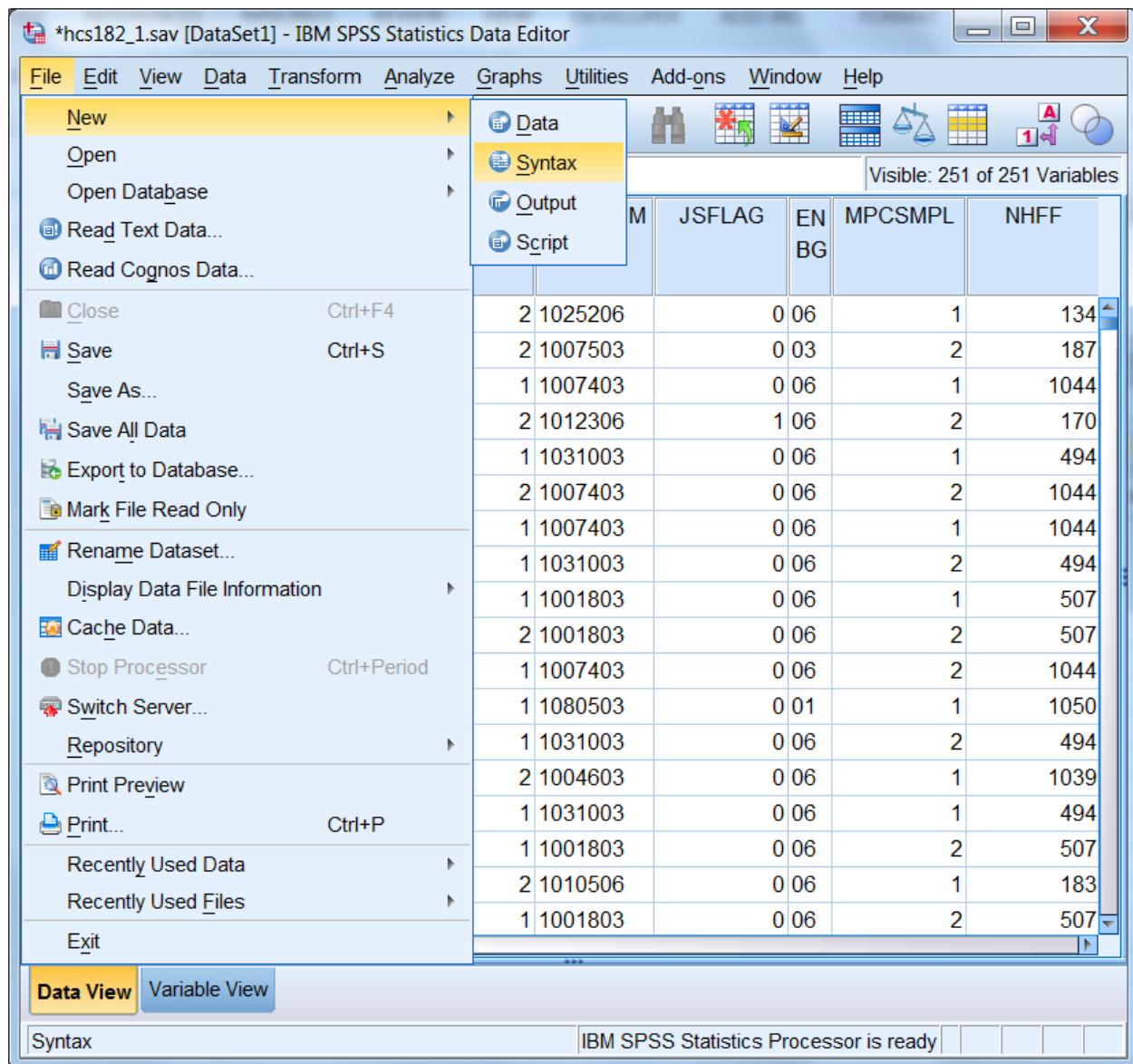
The HCSDB dataset contains many variables. To speed up software performance time, it may be desirable to limit the number of variables for analysis. There are several ways to do this.

The first is to **Save** a subset of variables in a new file with a new name. This option is available only through syntax. The **Keep** or **Drop** command lets you save a subset of variables. The choice of **Keep** or **Drop** is dependent on which list is shorter to write.

For example, suppose you want to run some procedures to evaluate respondent's weight as it relates to their state of health. You are also interested in people that have smoked at least 100 cigarettes in

their lifetime, and in differences within these groupings by gender. Moreover, you want to look at regional differences and differences among branches of service by beneficiary group and enrollment. You can do all the work on a subset of only nine variables, saving them in a separate file.

To write the syntax, open a syntax window. If you want to create a new syntax file, choose **New, Syntax** on the **File** menu as in the following:

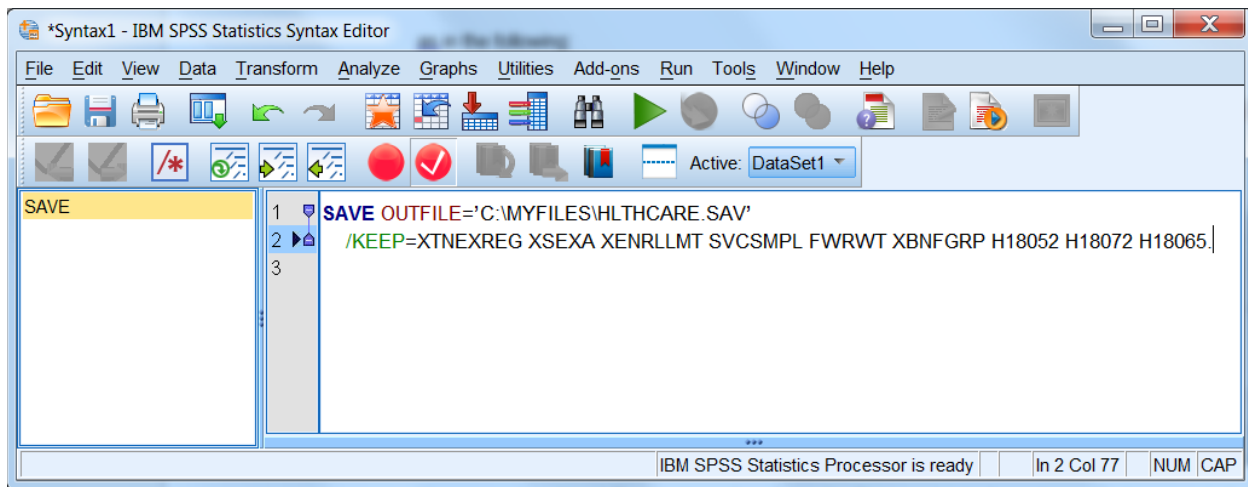


A blank syntax window will open.

Write the following command, substituting the file name and directory specification:

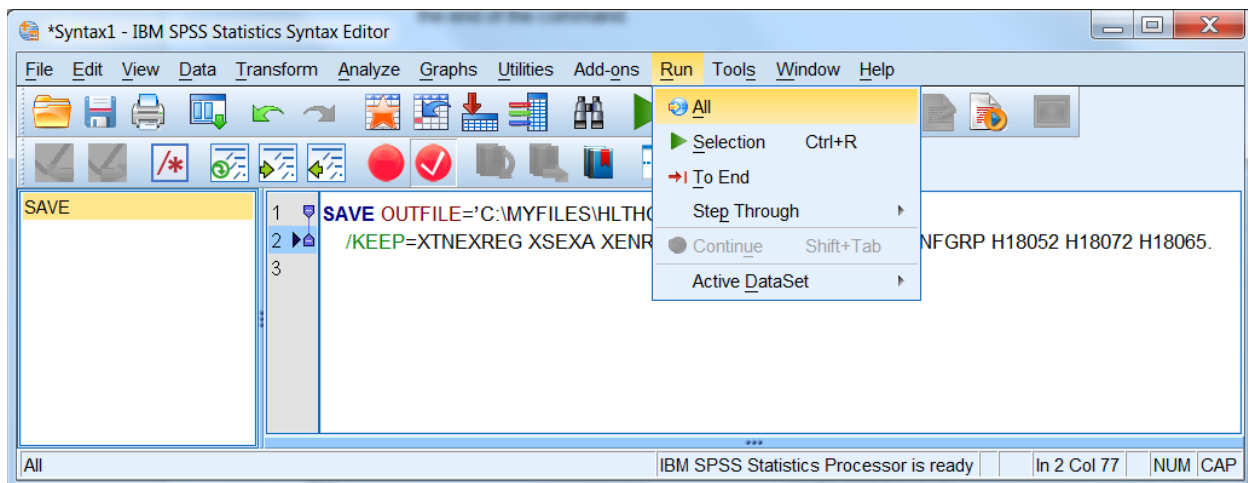
**SAVE OUTFILE='C:\MYFILES\HLTHCARE.SAV'/KEEP=XTNEXREG XSEX XENRLLMT
SVCSMPL FWRWT XBNFGRP H18052 H18072 H18065.**

as in the following:



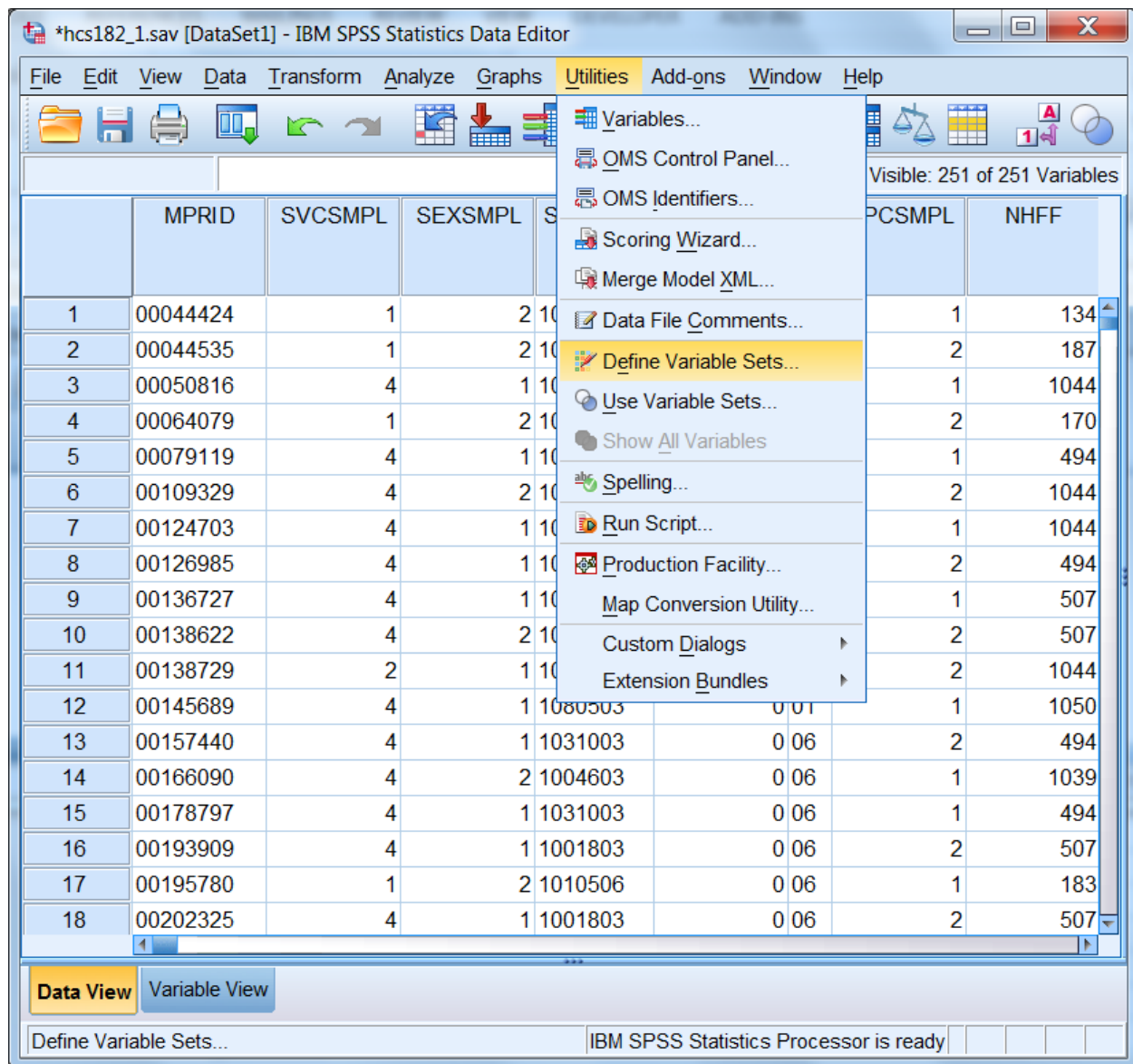
Upper case is optional. Be sure to enclose the entire file name in single quotes and to type a period at the end of the command.

Run the command by choosing the **Run** menu and selecting **All** from the choices.

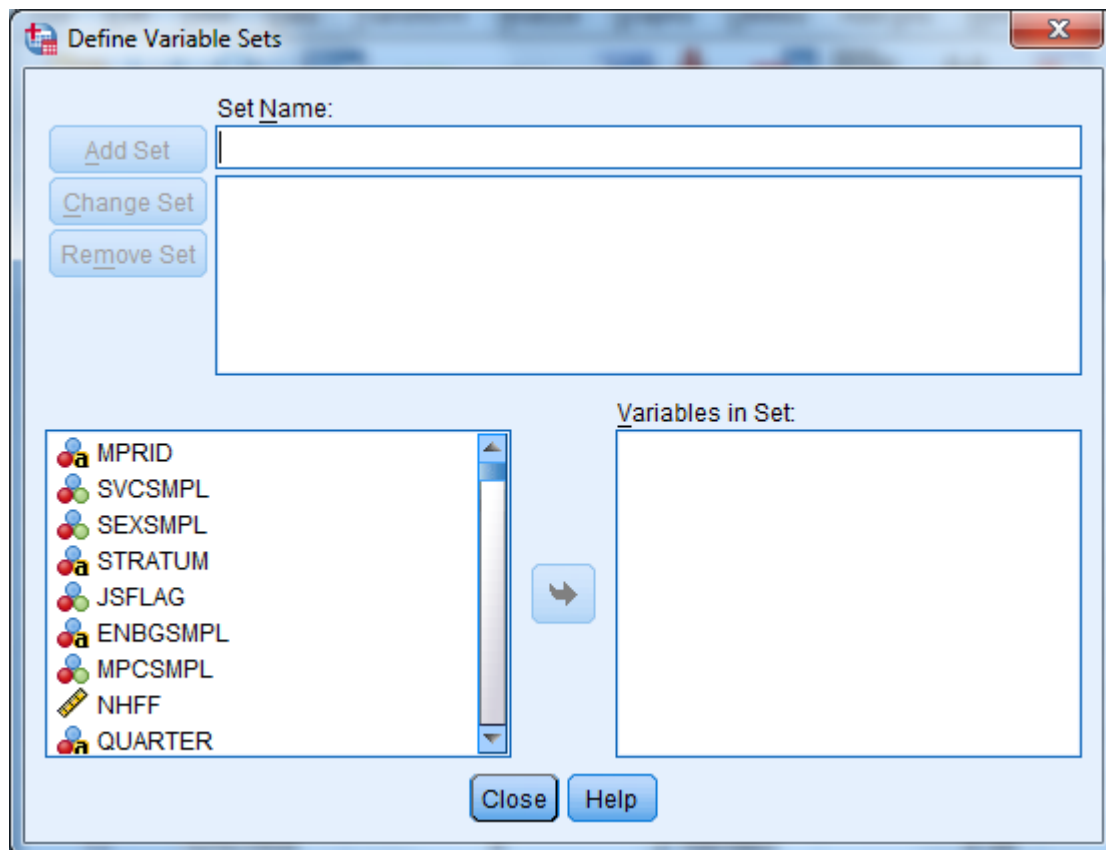


Open the new file according to the specifications at the beginning of this chapter.

The second way to limit the number of variables for analysis is to define a subset of *variables* that will appear in the dialog boxes for procedures. Using the **Utilities** menu, define a subset of variables as in the following:

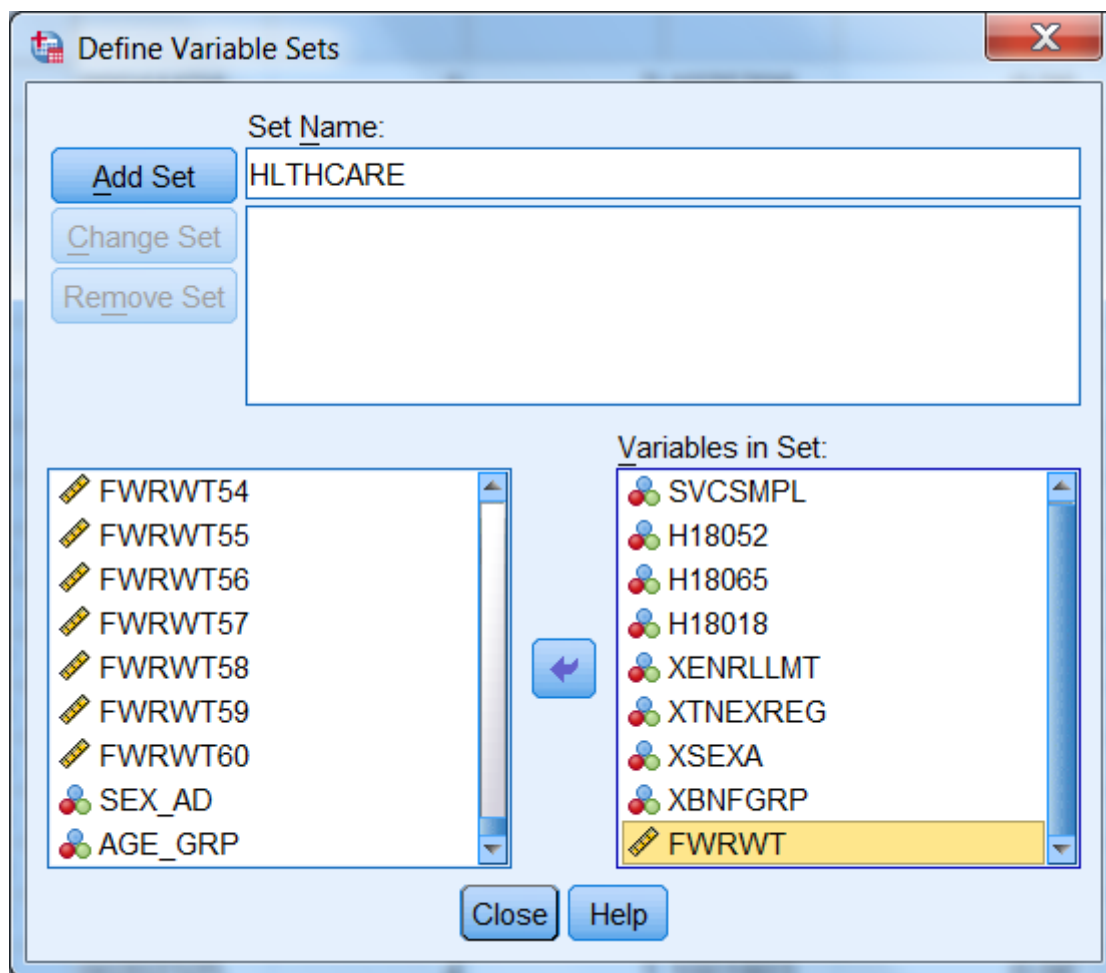


Select Define Variable Sets.



Insert a name for the subset of variables in the slot labeled **Set Name**. Move the variables you want to subset from the list on the left to the slot marked **Variables in Set**. By way of illustration, we will move the nine variables selected for the day's processing.

The screen should look like the following:



The image shows a software dialog box titled "Define Variable Sets". It has a standard Windows-style title bar with a close button (X) in the top right corner. The dialog is divided into several sections. At the top, there is a "Set Name:" label followed by a text input field containing the text "HLTHCARE". To the left of this input field are three buttons: "Add Set", "Change Set", and "Remove Set". Below the "Set Name" section, there are two list boxes. The left list box contains a scrollable list of variables: FWRWT54, FWRWT55, FWRWT56, FWRWT57, FWRWT58, FWRWT59, FWRWT60, SEX_AD, and AGE_GRP. Each variable is preceded by a small icon consisting of three colored dots (red, green, blue). The right list box is titled "Variables in Set:" and contains a scrollable list of variables: SVCSMPL, H18052, H18065, H18018, XENRLLMT, XTNEXREG, XSEX, XBNFGRP, and FWRWT. Each variable is preceded by a small icon consisting of three colored dots (red, green, blue). A blue arrow button points from the left list box to the right list box. At the bottom of the dialog, there are two buttons: "Close" and "Help".

Define Variable Sets

Set Name: HLTHCARE

Add Set Change Set Remove Set

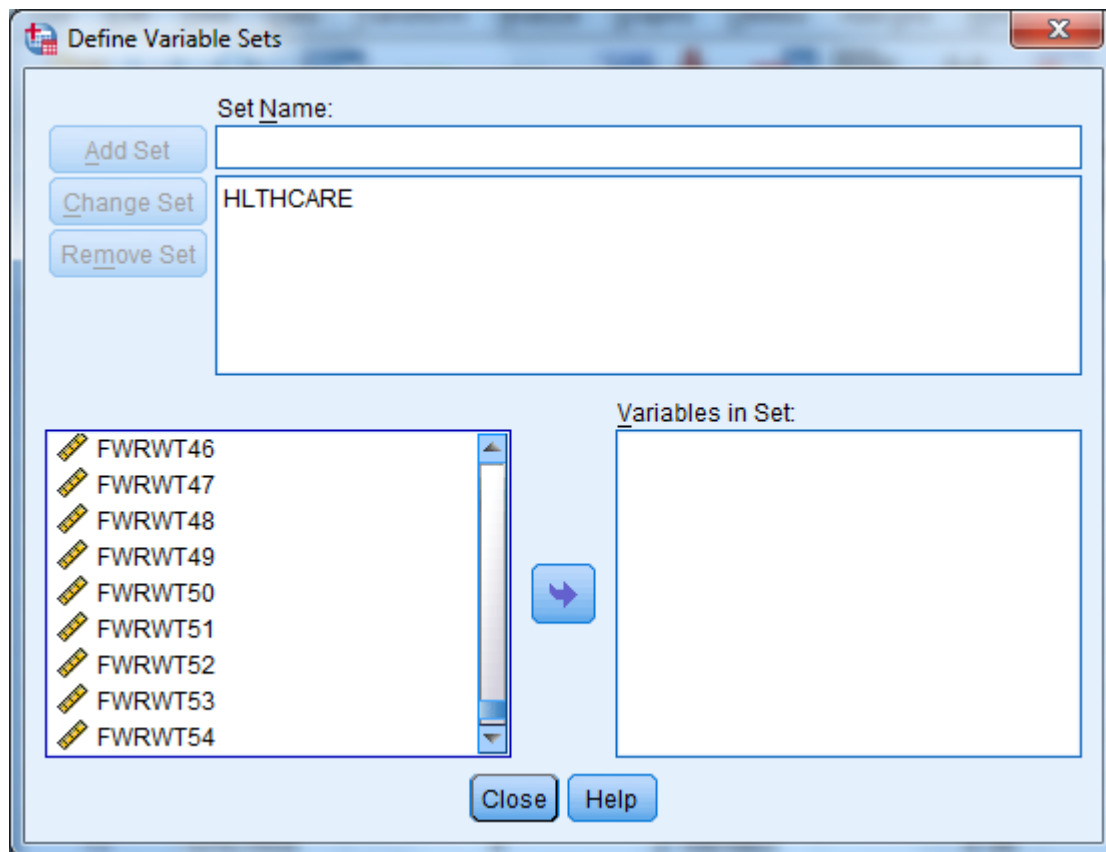
Variables in Set:

FWRWT54 FWRWT55 FWRWT56 FWRWT57 FWRWT58 FWRWT59 FWRWT60 SEX_AD AGE_GRP

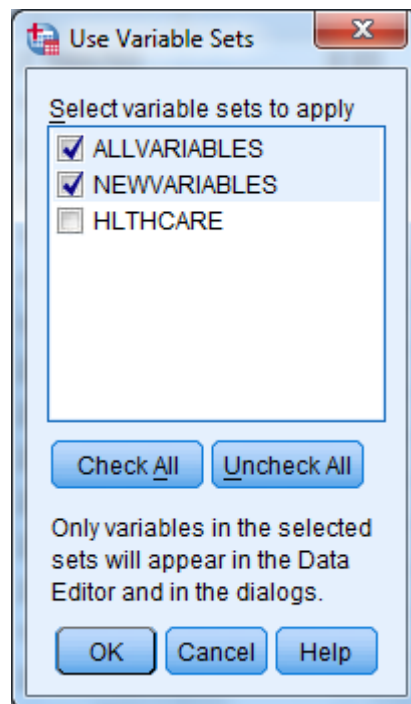
SVCSMPL H18052 H18065 H18018 XENRLLMT XTNEXREG XSEX XBNFGRP FWRWT

Close Help

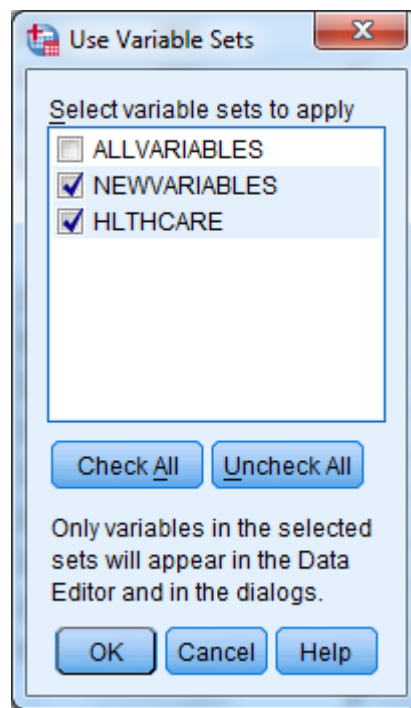
Click on **Add Set** to save the set specifications. The screen will change to the following:



The set is now available for use. To use the set, **Close** the dialog box, reopen the **Utilities** menu, choose **Use Variable Sets...**, and receive this screen:



Click the checkbox next to HLTHCARE, and unclick the checkbox next to ALLVARIABLES. Leave NEWVARIABLES as is. **OK** saves this change.



Until you change this specification, only nine original variables and any new variables will appear in the dialog boxes associated with procedures.

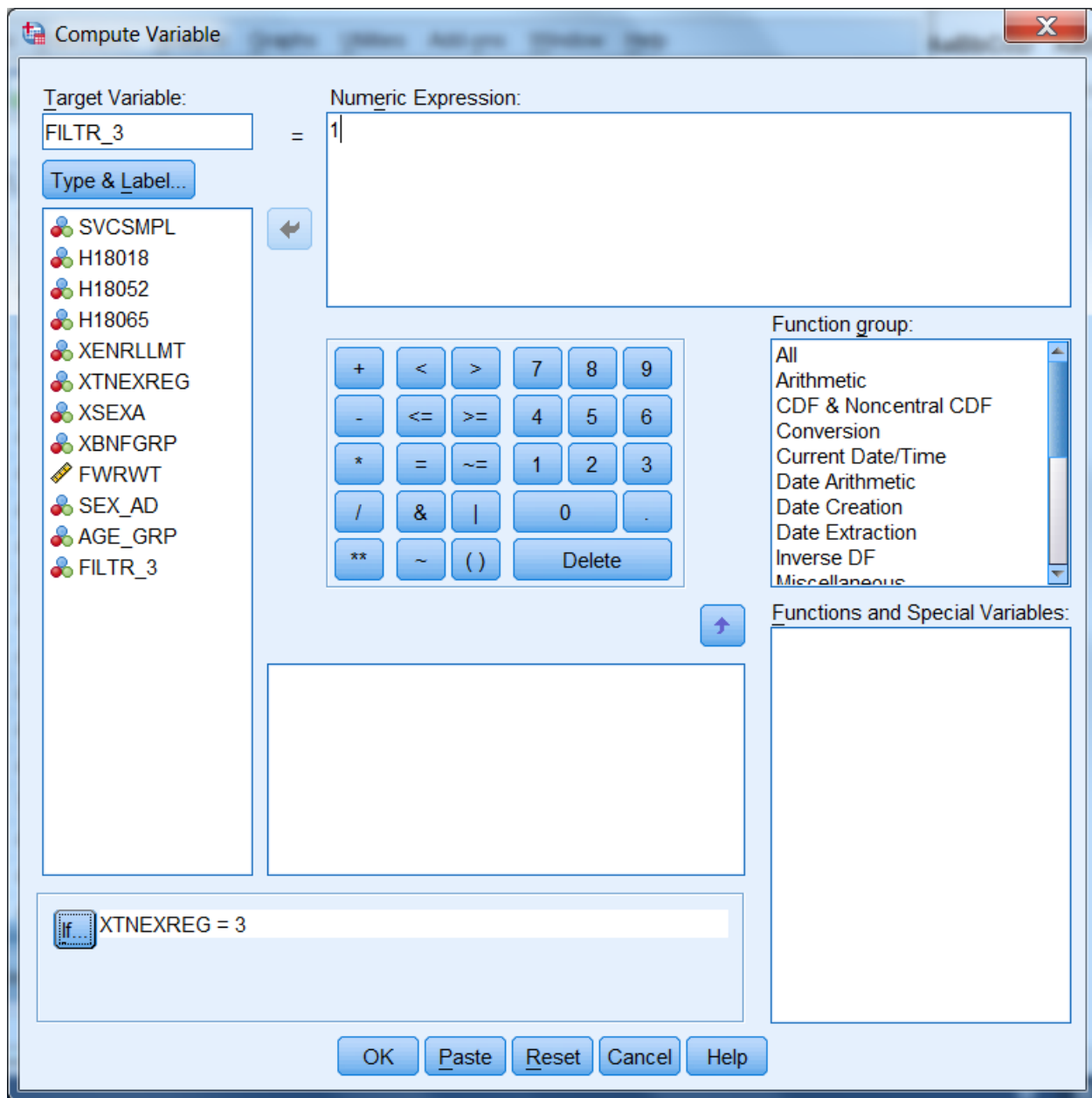
Limiting the Number of Observations

There are many ways to limit the number of observations available to statistical reporting procedures. The method illustrated here involves using **filter variables** with a menu-driven **Filter By** option. Using filters deactivates but does not delete cases from the file. A diagonal line appears next to the filtered cases in the **Data Window**.

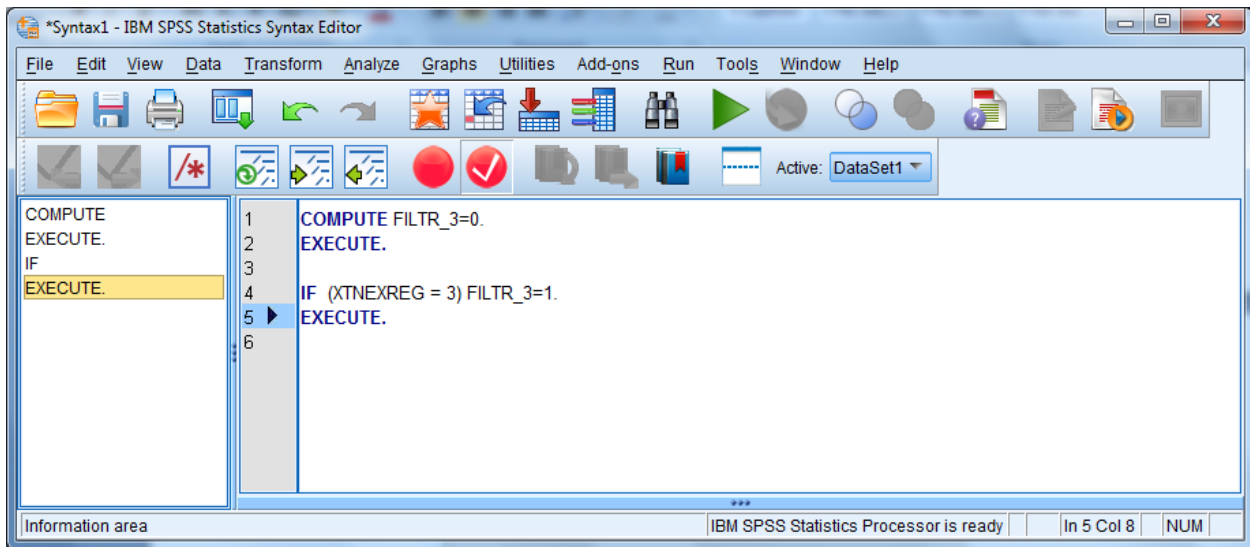
The first task is to **compute** a filter variable for all the cases in the file. A filter variable has two values: **0** and **1**. The **1** indicates that the case will be included for procedures. The **0** flags the case for removal.

For example, suppose you want to produce a table for people who live in the West, i.e., cases for which the variable **xtnexreg = 3**. You would build a filter variable named **filtr_3**, which has the value **1** associated with the cases in the West and 0 for all the other cases in the file. The logic is: if **xtnexreg = 3**, then **filtr_3 = 1**, else **filtr_3 = 0**.

The screen below shows the final step in computing the filter variable. The variable was first initialized to **0**. Then, the "If" condition was built for setting the filter variable to **1**. You are now working with a subset of variables, allowing the dialog boxes to be used more efficiently.

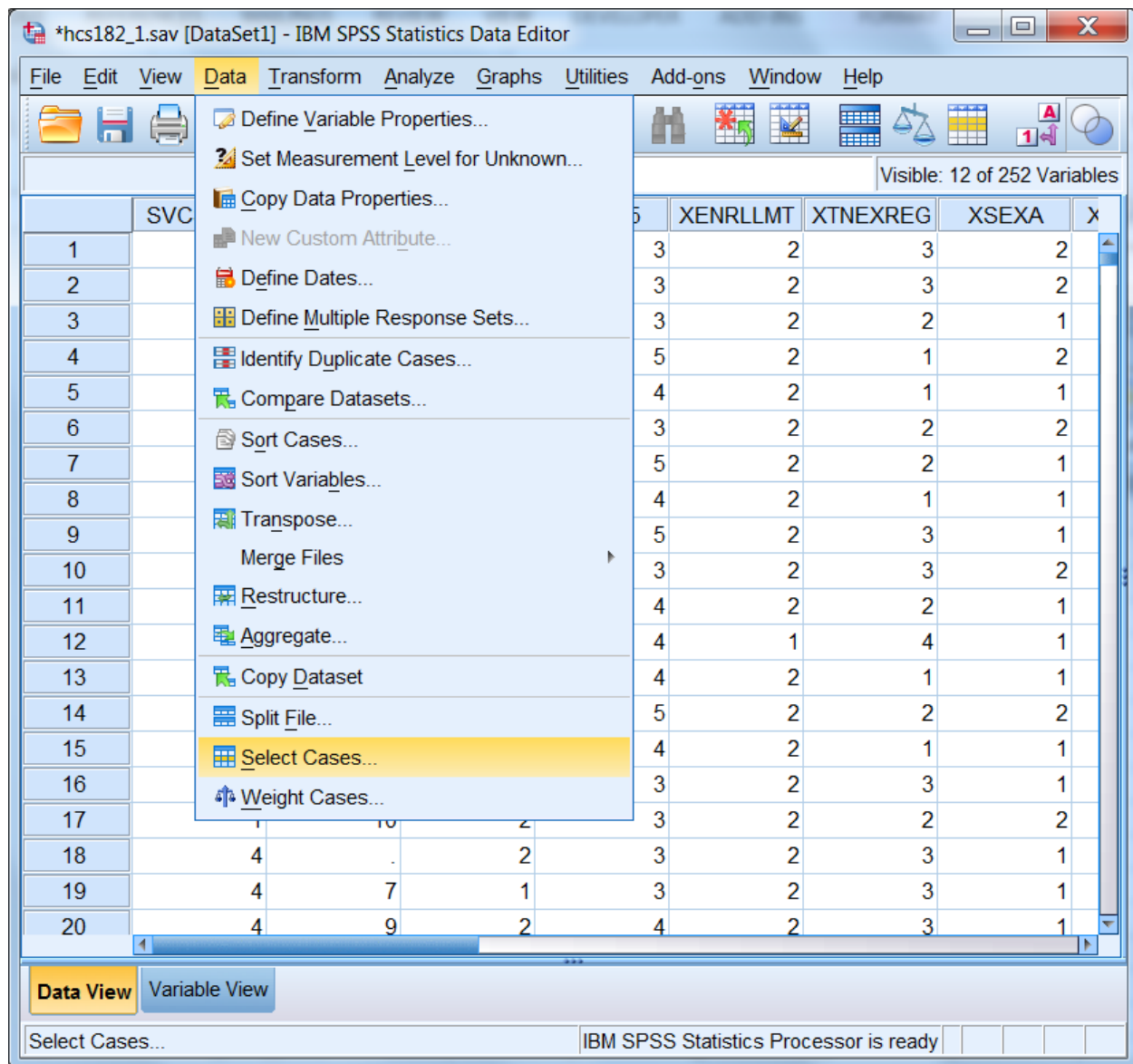


The screen that follows shows the syntax that was generated as you built the variable filtr_3.



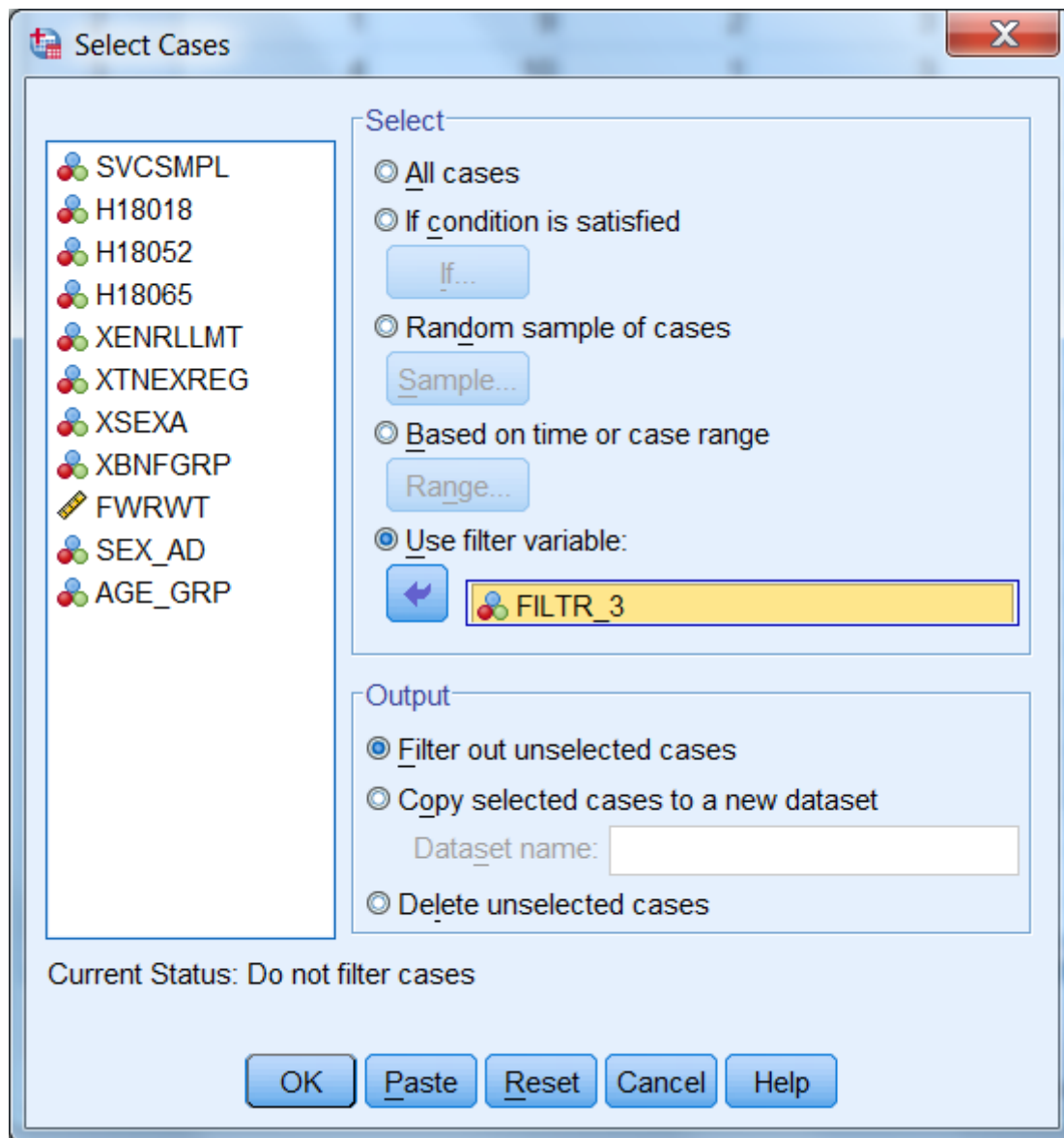
Once you build the filter variable, you can apply it for analyzing only those people from the West.

Using the **Data** menu, choose **Select Cases**.



In the dialog box, check **Use filter variable**. Move the variable **filtr_3** from the variable list on the left side of the dialog box into the slot provided, as indicated below. Check that the option **Filter out unselected cases** is checked under **Output**. This is the default option.

Click **OK** and exit the dialog box.



When you return to the **Data Window**, notice the slanting line next to some of the cases in the file. Those cases have been filtered out.

*hcs182_1.sav [DataSet1] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help

Visible: 12 of 252 Variables

	SVCSMPL	H18018	H18052	H18065	XENRLLMT	XTNEXREG	XSEX	X
1	1	10	1	3	2	3	2	
2	1	9	2	3	2	3	2	
3	4	10	1	3	2	2	1	
4	1	10	2	5	2	1	2	
5	4	10	2	4	2	1	1	
6	4	8	2	3	2	2	2	
7	4	.	1	5	2	2	1	
8	4	8	2	4	2	1	1	
9	4	9	1	5	2	3	1	
10	4	8	2	3	2	3	2	
11	2	9	2	4	2	2	1	
12	4	9	1	4	1	4	1	
13	4	9	2	4	2	1	1	
14	4	8	2	5	2	2	2	
15	4	.	2	4	2	1	1	
16	4	8	2	3	2	3	1	
17	1	10	2	3	2	2	2	
18	4	.	2	3	2	3	1	
19	4	7	1	3	2	3	1	
20	4	9	2	4	2	3	1	

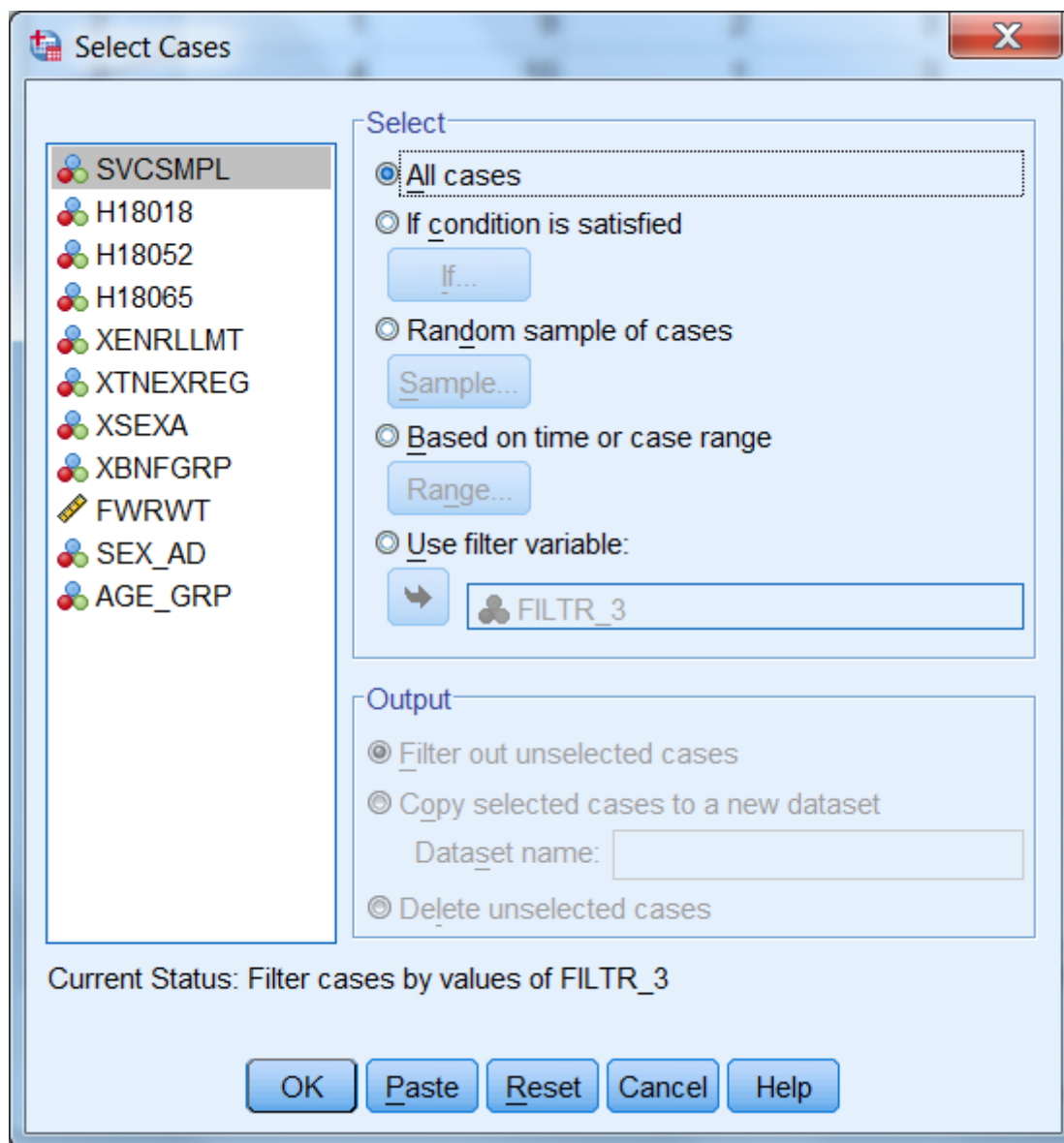
Data View Variable View

IBM SPSS Statistics Processor is ready Filter On

You can now produce tables for the subset of cases.

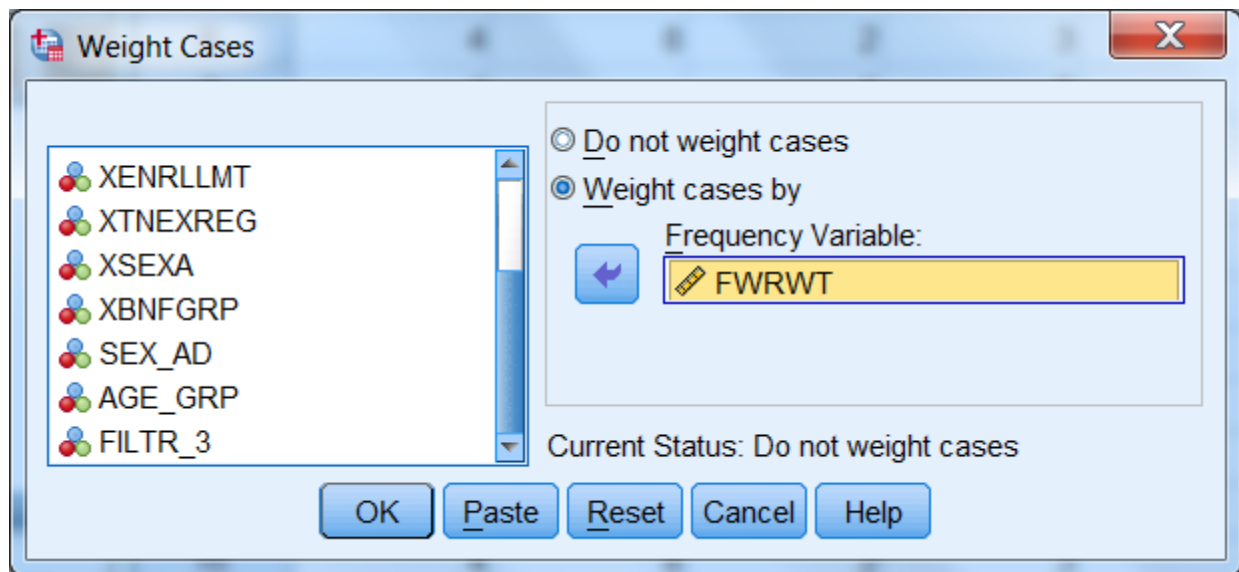
When using filter variables, it is important to check the filter status and to adjust it to fit the present need. Filtered cases are not available for procedures. Moreover, a filter is in effect until it is turned off or until another filter is activated. Check the status line at the bottom of the **Data Editor** window to see if a filter is activated. In the example above, **Filter On** is indicated on the status line. To see *which* filter is active, you must re-enter the **Select Cases** dialog box. There you can deactivate the filter or activate a new one.

To deactivate a filter, choose **All cases** and **OK** as in the screen below.



Weighting Data

The data file includes a weighting variable, FWRWT, which should be applied to all procedures and runs. Again, using the **Data** menu, choose **Weight Cases**. In the dialog box, choose **Weight cases by**. Move the weight variable from the list on the left into the slot labeled **Frequency Variable** on the right as shown below:



Click on **OK** and exit the dialog box. The indication that the data is weighted appears on the status line near the bottom of the screen. As in the following screen, **Weight On** is specified there.

*hcs182_1.sav [DataSet1] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help

Visible: 12 of 252 Variables

	SVCSMPL	H18018	H18052	H18065	XENRLLMT	XTNEXREG	XSEX	X
1	1	10	1	3	2	3	2	
2	1	9	2	3	2	3	2	
3	4	10	1	3	2	2	1	
4	1	10	2	5	2	1	2	
5	4	10	2	4	2	1	1	
6	4	8	2	3	2	2	2	
7	4	.	1	5	2	2	1	
8	4	8	2	4	2	1	1	
9	4	9	1	5	2	3	1	
10	4	8	2	3	2	3	2	
11	2	9	2	4	2	2	1	
12	4	9	1	4	1	4	1	
13	4	9	2	4	2	1	1	
14	4	8	2	5	2	2	2	
15	4	.	2	4	2	1	1	
16	4	8	2	3	2	3	1	
17	1	10	2	3	2	2	2	
18	4	.	2	3	2	3	1	
19	4	7	1	3	2	3	1	
20	4	9	2	4	2	3	1	

Data View Variable View

IBM SPSS Statistics Processor is ready Weight On

The status line indicates if the data is weighted. Which weight variable is in effect can only be checked by re-entering the **Weight Cases** dialog box. Weighting stays in effect until it is canceled or until another weight variable is activated.

BUILDING TABLES

Building tables starts with creating a new subset of variables that includes H18052, H18018, H18065, svcsmpl, xbnfgrp, xsexa, xtneqreg, xenrllmt, FWRWT, and filtr_3. The procedures **Means** and **Crosstabs** will probably meet most of your statistical reporting needs. SPSS also offers many options for editing the output tables themselves. Some of these options are explained here.

Calculating Means

As an example, suppose you want to analyze the health care variables and you want to focus on the West (**xtneqreg = 3**). Suppose you are also interested in how the respondent's weight relates to his

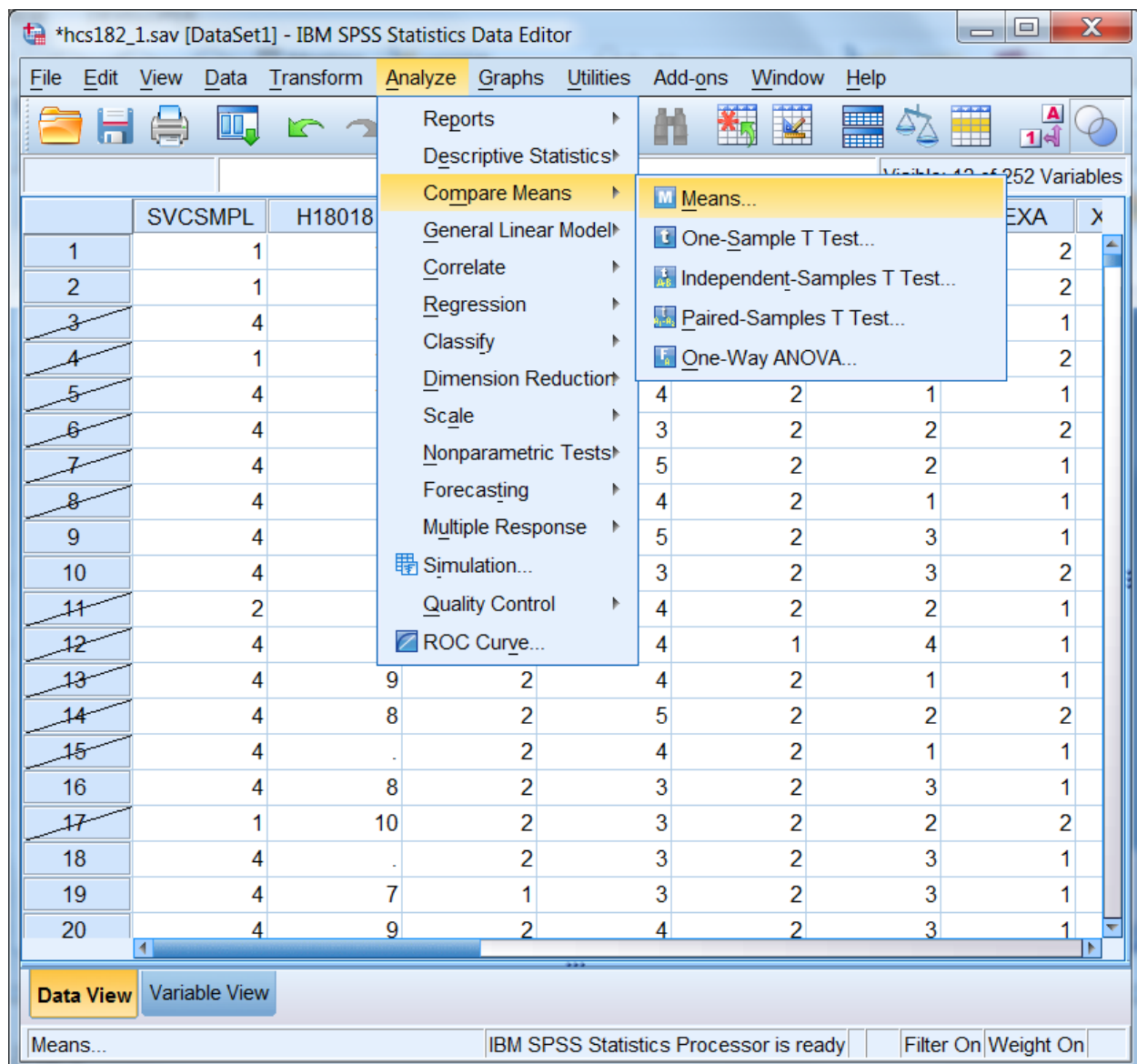
self-evaluation of his health for the West region. Within this grouping, you want to examine the effects of the beneficiary group, **xbnfgrp**, and sex, **xsexa**.

The health care variables are **H18018** (health care rating), and **H18065** (assessment of the state of health). The statistic you want to see is the mean of the health care variables for each group in our breakdown.

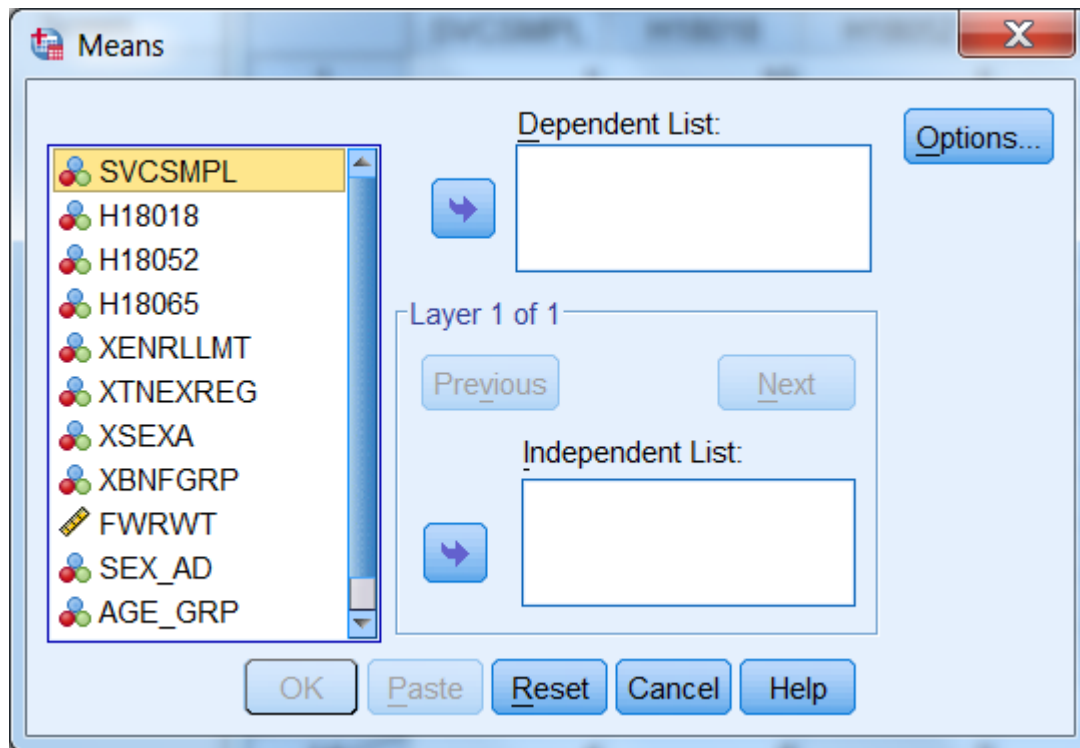
For this analysis, you can use the subset of variables defined above. The subset includes the weight variable, **FWRWT**, which you would activate for procedure runs. The subset also includes the new variable, **filtr_3**, which allows us to select only those cases in the West.

Open the **Data** menu in the **Data Window**. In the **Weight Cases** dialog box, activate the weight variable **FWRWT**. Reopen the Data menu and, in the **Select Cases** dialog box, activate the filter variable, **filtr_3**. On the status line, **Filter On** and **Weight On** should appear.

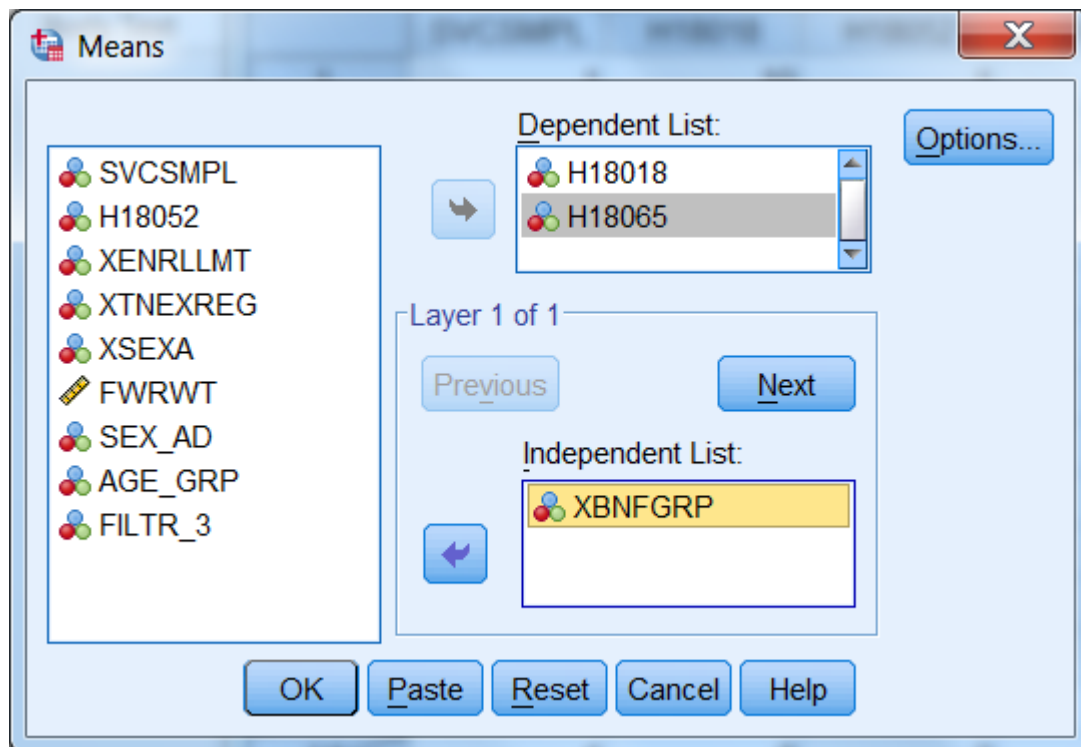
Open the **Analyze** menu in the **Data Window**. Choose **Compare Means** and **Means** from the options as illustrated below.



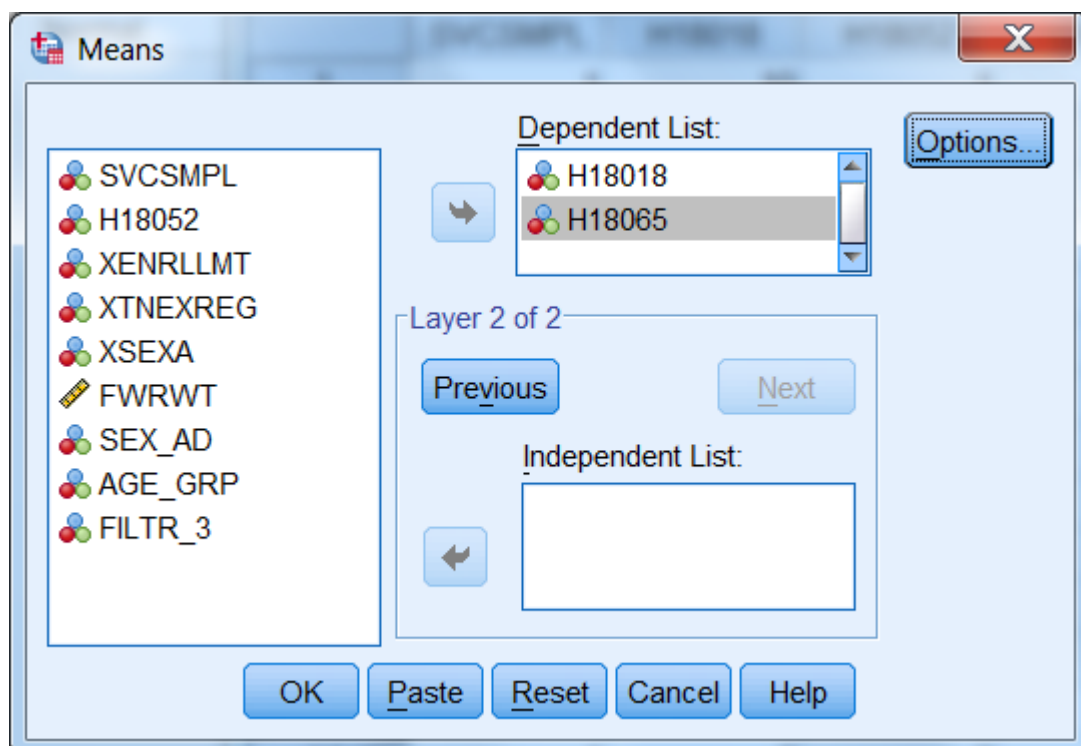
The dialog box for the Means procedure will open as in the following screen:



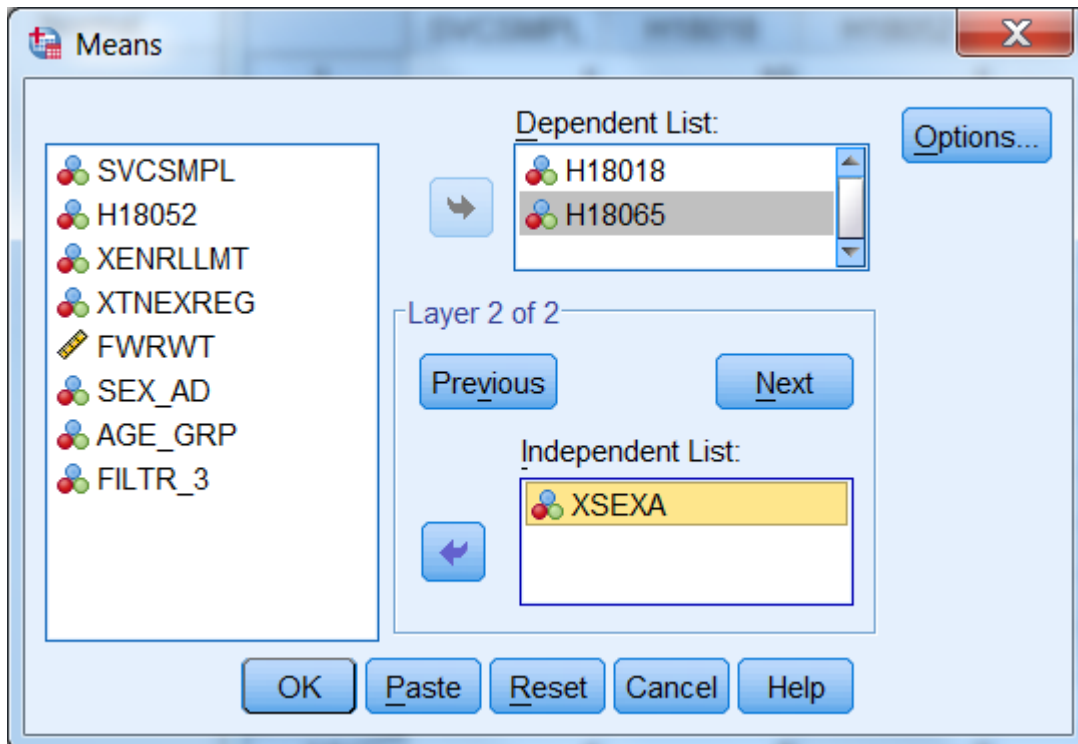
Move the variables **H18018** and **H18065** from the variable list on the left to the box underneath **Dependent List**. These are the two analysis variables. Notice that **Layer 1 of 1** is specified in the middle of the dialog box. Move **XBNFGRP** from the variable list on the left into the box under **Independent List**. **XBNFGRP** is the first grouping variable. The screen should look like the following:



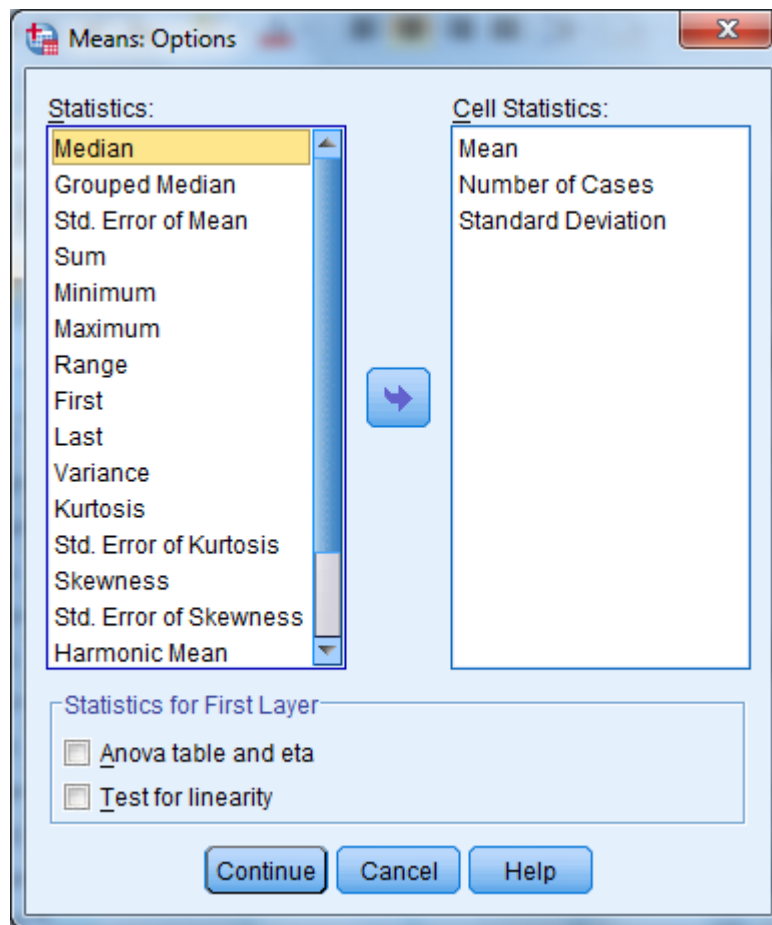
Click on **Next** in the center of the box to create a second layer. The following screen will open:



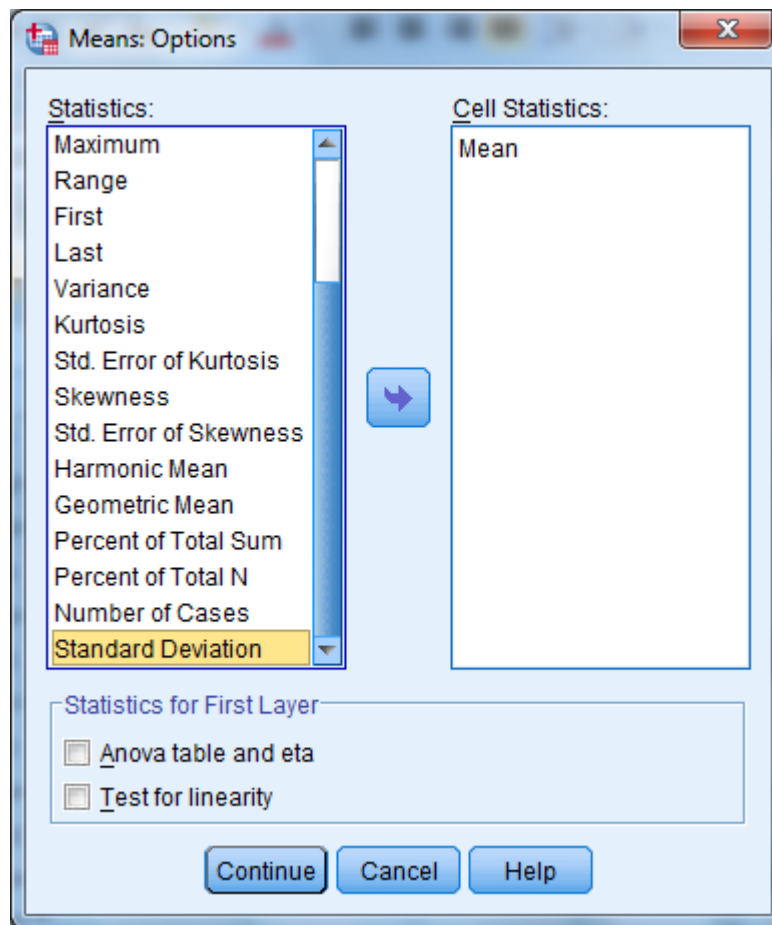
Notice that **Layer 2 of 2** is specified in the middle of the dialog box. Move **xsexa** from the variable list on the left into the box under **Independent List**. **Xsexa** is the second grouping variable. The screen should look like the following:



To set some options, click on **Options** and the following dialog box will open:



On the left of the box is a list of statistics, under **Statistics**. These are all the possible options for statistical output. In the box under **Cell Statistics** are the default output statistics for the analysis. In this case, **Mean** is the statistic of interest. Highlight **Number of Cases** and **Standard Deviation** and move them to the box at the left, removing them from the analysis, as follows:



Click on **Continue** and return to the previous screen. Click **OK**. The **Means** procedure will run. On the status line, **Running Means** will appear, and a counter for the number of cases processed will be activated.

When **Means** has finished processing, the **Output Navigator** window will open automatically. As the name suggests, the output window is not just for looking at output. A number of options are available for *navigating* through output, moving tables, and even editing the tables themselves.

Means

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Rating of all health care in 1st yr * Beneficiary Group * Male or Female - R	1876398	83.9%	359600	16.1%	2235999	100.0%
In gnrl, how would you rate overall hlth * Beneficiary Group * Male or Female - R	2123806	95.0%	112193	5.0%	2235999	100.0%

Report

Mean

Beneficiary Group Male or Female - R		Rating of all health care in 1st yr	In gnrl, how would you rate overall hlth
Active Duty <65	Male	7.09	3.67
	Female	6.83	3.67
	Total	7.00	3.67
Family of Active <65	Male	7.46	3.60

IBM SPSS Statistics Processor is ready | H: 0.18, W: 4.63 in

The output is organized into two sections. On the left side is a navigating tool, which lists the components of the right side, the actual output. In the left pane, **Means** is indicated, and indented under it appear **Title**, **Notes**, **Case Processing Summary**, and **Report**. Clicking on **Means** highlights and selects all the elements. Lines appear around these elements in the right pane. The indenting indicates that the elements are hierarchically organized, with **Means** at the top. Clicking on any of the sub-elements selects just that element.

A closer look at the left pane reveals another feature. Hiding underneath the element icons are book icons. The books are either open or closed. If a book is closed, the element is *hidden*. Notice that the book under the **Notes** icon is closed. This is a default SPSS option. Double-clicking the icon will open the book, and the Notes will appear in the output. Double-clicking an **open** book will close it, and the physical element will *disappear* from the output. Closing a book and hiding the element does *not delete* the element.

It is possible to select elements in the right pane of the output. Simply click anywhere inside of the actual output element, and that element will be selected.

The output may contain many different procedures. The procedure name will be at the top of the list for each section in the left pane. The procedure name does not actually parallel physical output but indicates the category of the output elements.

As you click on each element in the left pane, you will notice that the screen jumps to the actual output of the element, in the right pane. When you click on the procedure name, you jump to the beginning of the next procedure output. This is a quick way to scroll through your output. It also lets you delete, move, and edit selected elements.

To **Edit** the **Title** element, **Means**, to create a more appropriate title, select the table title by clicking once on the **Title** icon in the left pane. A box now surrounds the title in the right pane. Double-click anywhere within this box, and a box appears around **Means**, as shown in the following screen.

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Rating of all health care in 1st yr * Beneficiary Group * Male or Female - R	1876398	83.9%	359600	16.1%	2235999	100.0%
In gnrl, how would you rate overall hlth * Beneficiary Group * Male or Female - R	2123806	95.0%	112193	5.0%	2235999	100.0%

Report

Mean

Beneficiary Group	Male or Female - R	Rating of all health care in 1st yr	In gnrl, how would you rate overall hlth
Active Duty <65	Male	7.09	3.67
	Female	6.83	3.67
	Total	7.00	3.67
Family of Active <65	Male	7.46	3.60

IBM SPSS Statistics Processor is ready | H: 0.22, W: 4.63 in

You have entered the **edit** mode for this element, and the cursor appears inside the box. You can delete the word **Means** and write a title that relates to the information in the table. A possible title appears in the next screen. To exit edit mode, click anywhere outside the box. The change you made will be saved.

Mean of Respondent's Health Care Rating w/Health Assessment

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Rating of all health care in Istyr * Beneficiary Group * Male or Female - R	1876398	83.9%	359600	16.1%	2235999	100.0%
In gnrl, how would you rate ovrrll hlth * Beneficiary Group * Male or Female - R	2123806	95.0%	112193	5.0%	2235999	100.0%

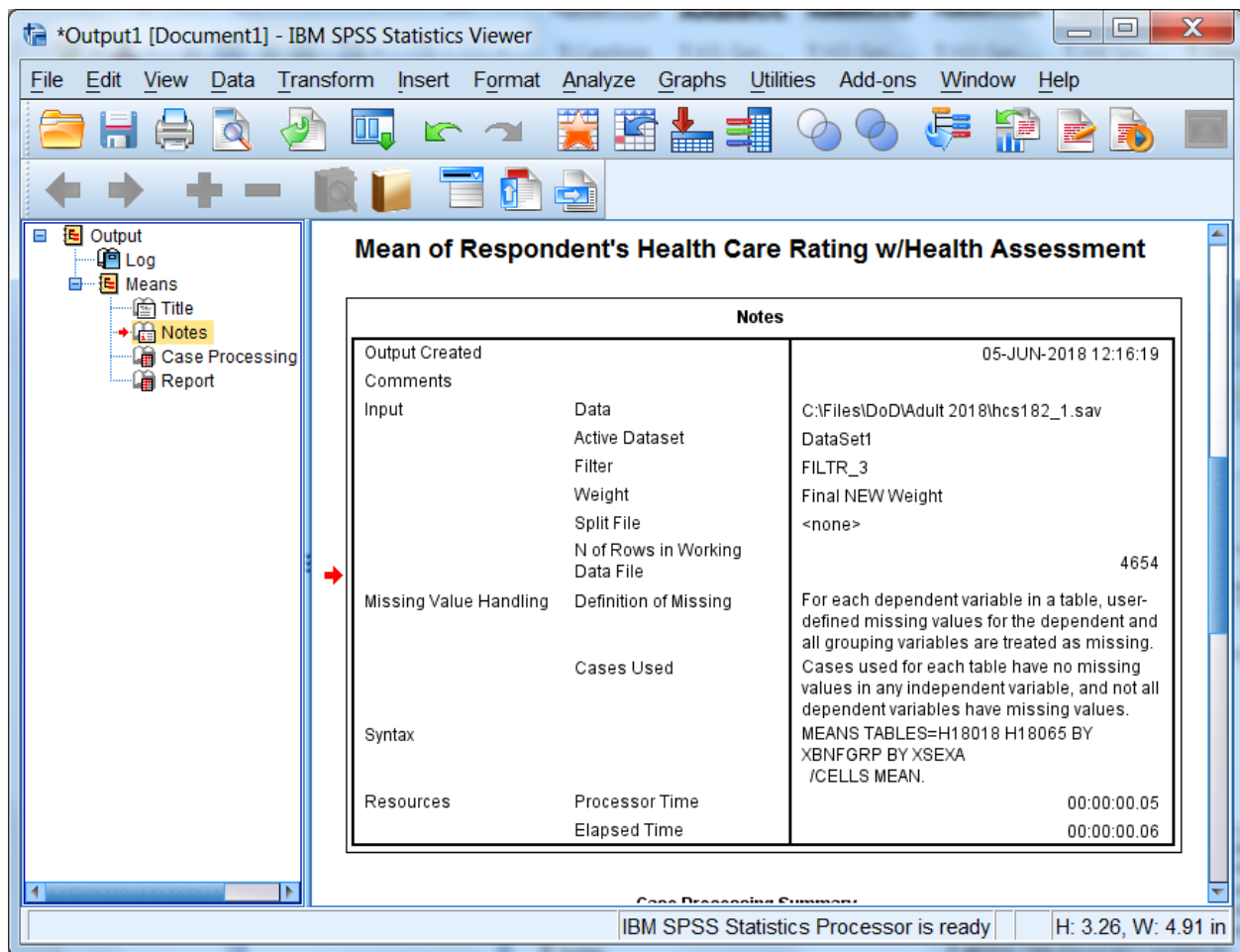
Report

Mean

Beneficiary Group Male or Female - R		Rating of all health care in Istyr	In gnrl, how would you rate ovrrll hlth
Active Duty <65	Male	7.09	3.67
	Female	6.83	3.67
	Total	7.00	3.67
Family of Active <65	Male	7.46	3.60
	Female	7.40	3.67
	Total	7.40	3.66

IBM SPSS Statistics Processor is ready | H: 0.22, W: 4.63 in

If you navigate to the next element, **Notes**, you see a closed book. Double-click this item, and the notes will appear as follows:



Decide if you want this information to appear in your report. If not, simply double-click the **Notes** icon, and the notes will again become hidden.

Navigate to **Case Processing Summary**. The table gives useful information about the number of cases included in and the number of cases excluded from a given procedure. This information is important for the researcher but probably not necessary for the report, so you would double click this item to hide it.

Navigate to **Report** to see the actual table output from the procedure **Means**. You can view this table by scrolling through the output. If the table is large, however, scrolling in the output window can be problematic. A better way to review the table is to open it as a **Pivot Table Object** in a special editor.

Select the table by clicking the **Report** icon or by clicking inside the table itself. A box will appear around the table. Insert the mouse pointer inside the table and right-click, opening the following dialog box:

The screenshot shows the IBM SPSS Statistics Viewer interface. The main window displays a Pivot Table report titled "Mean of Respondent's Health Care Rating w/Health Assessment". The table is organized with "Beneficiary Group" and "Male or Female - R" as row categories, and "Rating of all health care in 1st yr" and "In gnrl, how would you rate overall hlth" as column categories. The data is summarized by "Mean".

Beneficiary Group	Male or Female - R	Rating of all health care in 1st yr	In gnrl, how would you rate overall hlth
Active Duty <65	Male	7.09	3.67
	Female	6.83	3.67
	Total	7.00	3.67
Family of Active <65	Male	7.46	3.60
	Female	7.40	3.67
	Total		
Ret/SurvFam <65	Male		
	Female		
	Total		
Ret/SurvFam 65+	Male		
	Female		
	Total		
Total	Male		
	Female		
	Total		

A context menu is open over the table, showing options: Cut, Copy, Copy Special..., Paste After, Create/Edit Autoscript..., Export..., and Edit Content (highlighted).

Select **Edit Content** and **In Separate Window** as pictured below:

Mean of Respondent's Health Care Rating w/Health Assessment

Beneficiary Group		Male or Female - R	Rating of all health care in 1st yr	In gnr1, how would you rate ovrrll hlth
Active Duty <65	Male		7.09	3.67
	Female		6.83	3.67
	Total		7.00	3.67
Family of Active <65	Male		7.46	3.60
	Female		7.40	3.67
	Total			3.66
Ret/SurvFam <65	Male			3.35
	Female			3.58
	Total			3.49
Ret/SurvFam 65+	Male			3.49
	Female			3.23
	Total			3.36
Total	Male			3.52
	Female			3.51
	Total			

IBM SPSS Statistics Processor is ready | H: 3.38, W: 3.78 in

The table will appear in a new screen superimposed on the output. Maximize this screen as shown below.

Pivot Table Report

File Edit View Insert Pivot Format Help

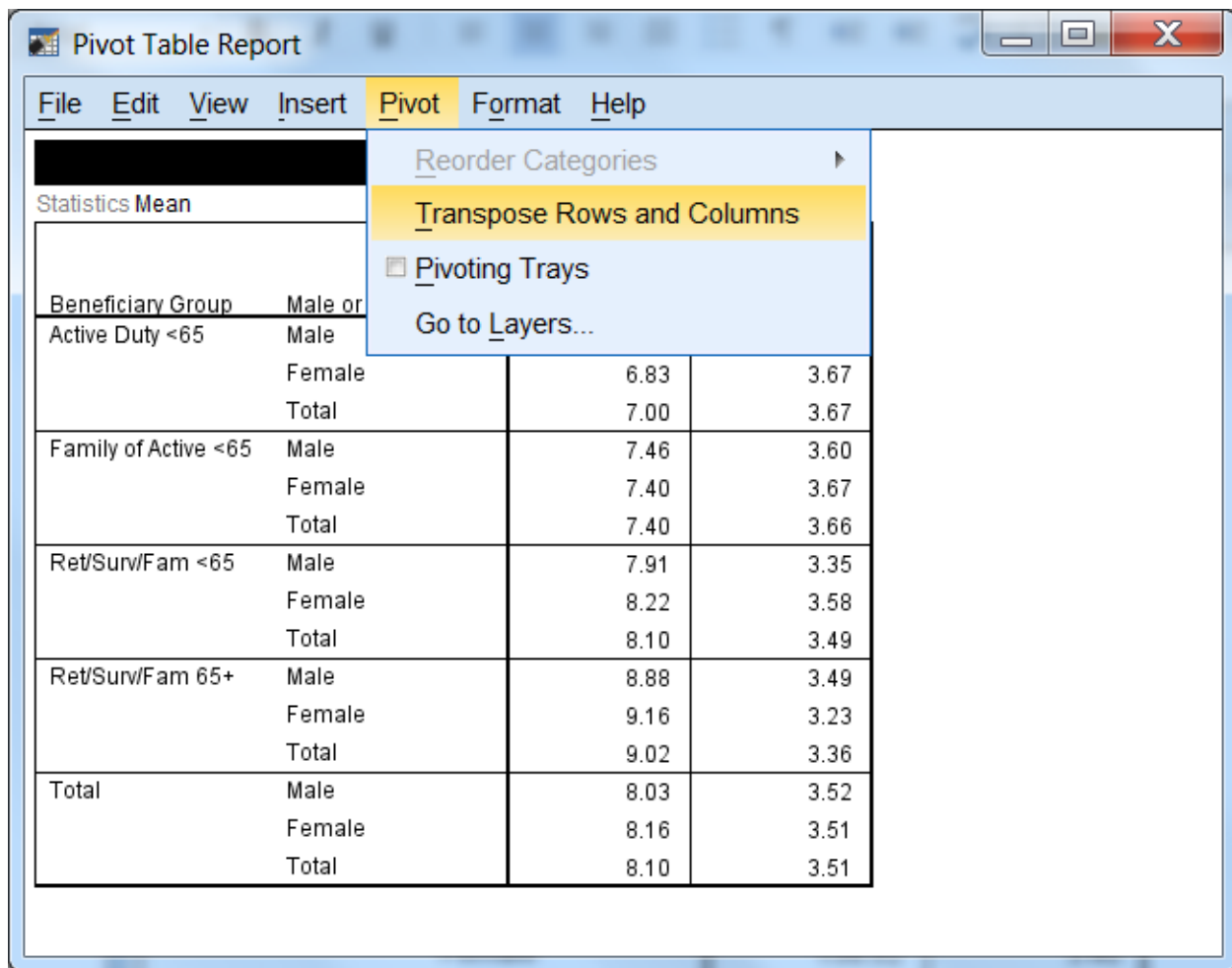
Report

Statistics Mean

Beneficiary Group	Male or Female - R	Rating of all health care in 1st yr	In gnrl, how would you rate ovrrall hith
Active Duty <65	Male	7.09	3.67
	Female	6.83	3.67
	Total	7.00	3.67
Family of Active <65	Male	7.46	3.60
	Female	7.40	3.67
	Total	7.40	3.66
Ret/Surv/Fam <65	Male	7.91	3.35
	Female	8.22	3.58
	Total	8.10	3.49
Ret/Surv/Fam 65+	Male	8.88	3.49
	Female	9.16	3.23
	Total	9.02	3.36
Total	Male	8.03	3.52
	Female	8.16	3.51
	Total	8.10	3.51

In this special editor, there are many options for formatting the table.

Suppose you want to change the table format from vertical to horizontal. Open the **Pivot** menu in the tool bar and choose **Transpose Rows and Columns** as shown below:



Pivot Table Report

File Edit View Insert **Pivot** Format Help

Reorder Categories

Transpose Rows and Columns

☐ **Pivoting Trays**

Go to **L**ayers...

Statistics Mean

Beneficiary Group	Male or		
Active Duty <65	Male		
	Female	6.83	3.67
	Total	7.00	3.67
Family of Active <65	Male	7.46	3.60
	Female	7.40	3.67
	Total	7.40	3.66
Ret/Surv/Fam <65	Male	7.91	3.35
	Female	8.22	3.58
	Total	8.10	3.49
Ret/Surv/Fam 65+	Male	8.88	3.49
	Female	9.16	3.23
	Total	9.02	3.36
Total	Male	8.03	3.52
	Female	8.16	3.51
	Total	8.10	3.51

The rows and columns will be reversed as shown in the following screen. Though the table appears too wide in the viewer, it will fit the page when printed. You can do all of the table editing in the left section of the table, and the changes will spread through the entire table.

	Report								
	Beneficiary Group								
	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65		
	Male or Female - R			Male or Female - R			Male or Female - R		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Rating of all health care in 1st yr	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.11
In gnr1, how would you rate overall hlth	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.46

You would then notice that certain labels are redundant. The labels **Beneficiary Group** and **Male or Female - R** are the **Variable Labels** for the variables. The information in these labels is echoed in the **Value Labels**, which are also reproduced in the table. You would delete the Variable Labels as follows.

Click inside the section of the table where the label, **Beneficiary Group**, appears. Right-click to open a dialog box, choosing **Hide Dimension Label**, as illustrated below.

Pivot Table Report

File Edit View Insert Pivot Format Help

Report

Statistics Mean

	Ac	Beneficiary Group			
	Male	<65		Ret/Surv/Fam <65	
	Male	Male or Female - R			
		Total	Male	Female	Total
Rating of all health care in 1st yr	7.09	7.40	7.91	8.22	8.1
In gnrl, how would you rate overall hlth	3.67	3.66	3.35	3.58	3.4

What's This?

Cut Ctrl+X

Copy Ctrl+C

Paste Ctrl+V

Delete Delete

Select

Hide Dimension Label

Hide Category

Group

Ungroup

Sort Rows

Create Graph

Table Properties...

Hide Dimension Label

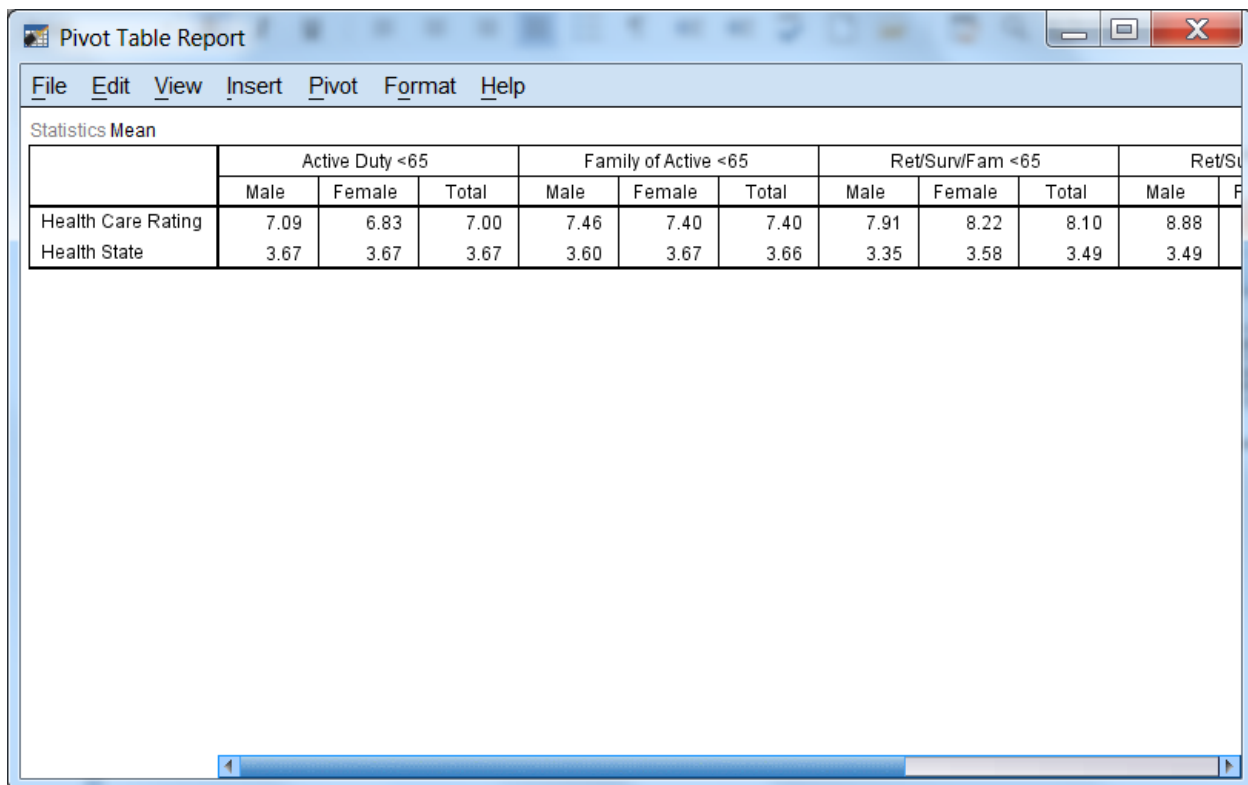
Click inside the table section labeled **Male or Female - R** and repeat the above procedure. An improved table is shown in the following screen.

	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Rating of all health care in 1st yr	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.11
In gnr, how would you rate overall hlth	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.45

The mean values reported are formatted to allow space for the labels of the satisfaction variables. You can shorten these labels and add the lost information in another place, according to the following procedures:

Double-click on the label for health state. Delete the text, entering only the words, **Health State**. Do the same for the health care label, entering only the words, **Health Care Rating**.

Click on the word, **Report**, in the center at the top of the table, right-click, and choose **Delete** from the dialog box.



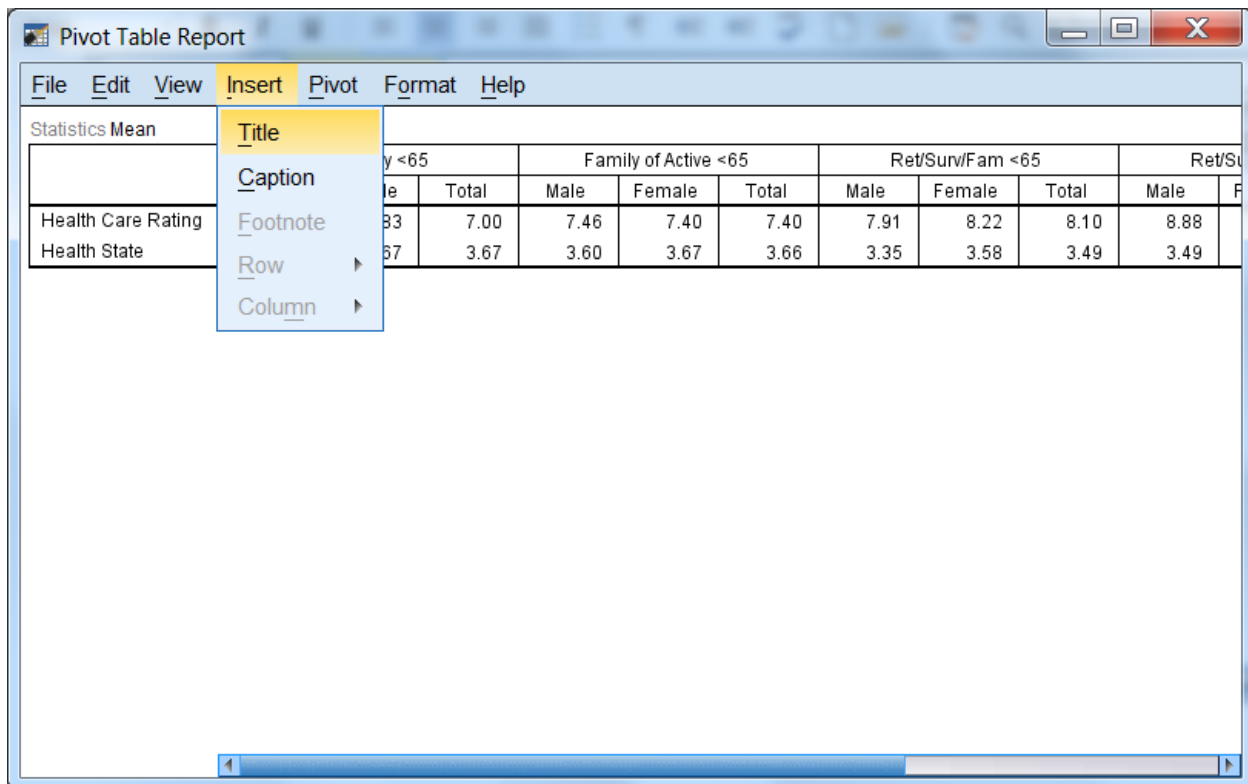
Pivot Table Report

File Edit View Insert Pivot Format Help

Statistics Mean

	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65			Ret/Su	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	F
Health Care Rating	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.10	8.88	
Health State	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49	3.49	

The resulting table is much more readable. You can then add the deleted information to clarify the table output. Open the **Insert** menu and choose **Title** as in the following:



Pivot Table Report

File Edit View Insert Pivot Format Help

Statistics Mean

	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65			Ret/Su	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	F
Health Care Rating	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.10	8.88	
Health State	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49	3.49	

Insert menu options: Title, Caption, Footnote, Row, Column

Type in a new title for the table. The final result appears below.

Pivot Table Report

File Edit View Insert Pivot Format Help

Mean of Respondent's Health Care Rating w/Health Assessment: By Beneficiary Status and Gender: West Region

Statistics Mean

	Active Duty <65			Family of Active <65			Ret/Surv/Fam <65			Ret/Surv/Fam 65+		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Health Care Rating	7.09	6.83	7.00	7.46	7.40	7.40	7.91	8.22	8.10	8.88	9.16	8.97
Health State	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.58	3.49	3.49	3.23	3.36

After all the editing changes have been made, exit the Pivot Table editor and return to the output navigator. Click on the File menu and choose Print Preview. Zoom in on the page and review the appearance of the report. The page will appear as the page below.

*Output1 [Document1] - IBM SPSS Statistics Viewer

Print Next Page Prev Page Two Page Zoom In Zoom Out Page Setup Close

Mean of Respondent's Health Care Rating w/Health Assessment: By Beneficiary Status and Gender: West Region

Mean

	Active Duty <65			Family of Active <65			Ret/Surv/
	Male	Female	Total	Male	Female	Total	Male
Health Care Rating	7.09	6.83	7.00	7.46	7.40	7.40	7.91
Health State	3.67	3.67	3.67	3.60	3.67	3.66	3.35

Mean of Respondent's Health Care Rating w/Health Assessment: By Beneficiary Status and Gender: West Region

Mean

	Ret/Surv/Fam <65		Ret/Surv/Fam 65+			Total	
	Female	Total	Male	Female	Total	Male	Female
Health Care Rating	8.22	8.10	8.88	9.16	9.02	8.03	8.16
Health State	3.58	3.49	3.49	3.23	3.36	3.52	3.51

Mean of Respondent's Health Care Rating w/Health Assessment: By Beneficiary Status and Gender: West Region

Mean

Page 1 SPSS Statistics Processor is ready

Calculating Percents

The **Crosstabs** procedure offers many options for analyzing data. The distribution of cases resulting from “crossing” one variable with another is often of interest. The number of cases, row percentages, column percentages, total percentages, and residuals are easily reproduced by **Crosstabs**. A full array of statistics is also available.

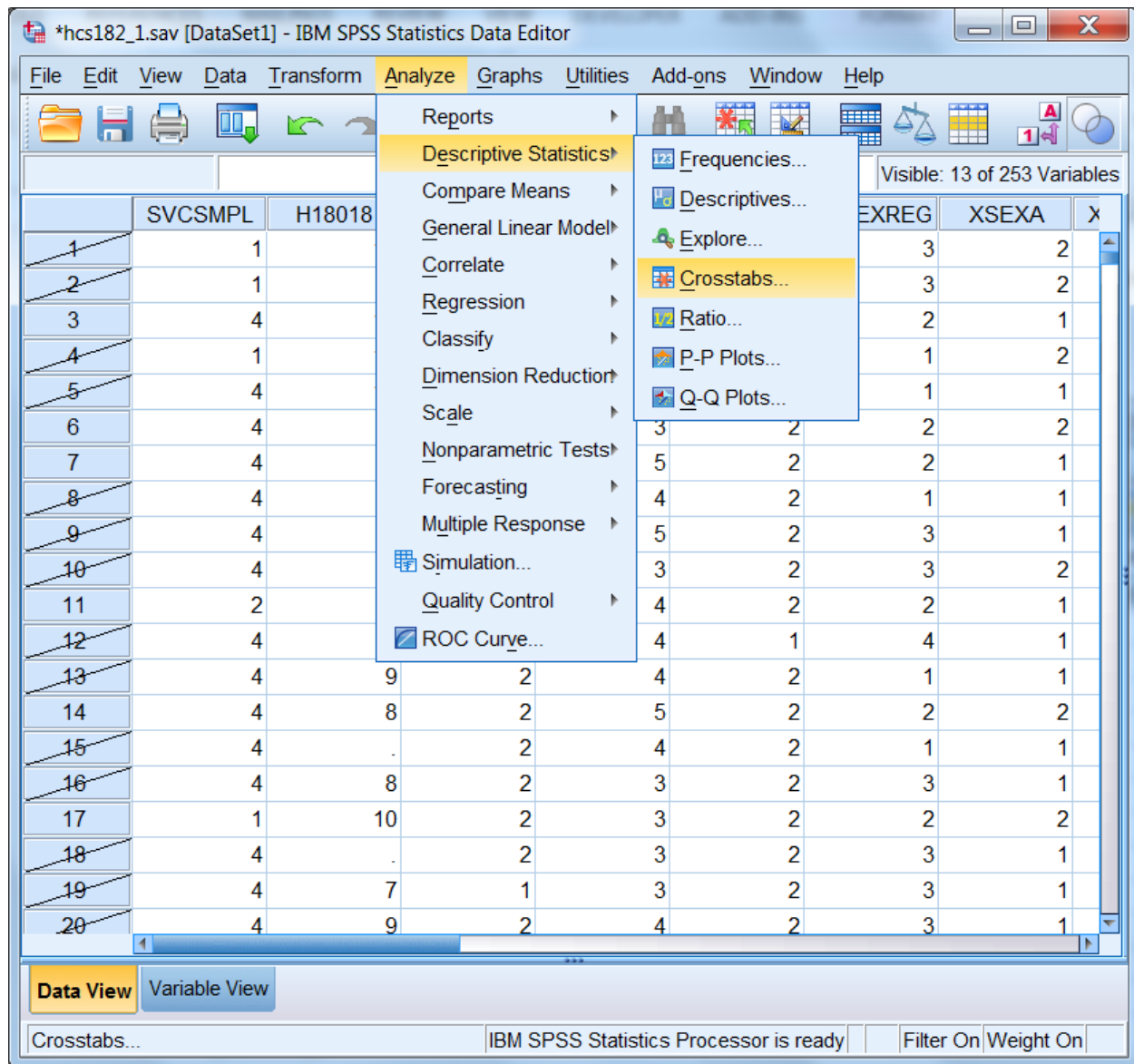
The examples given here involve examining relationships between variables, with a view toward the number of cases and the percent of cases in cells produced by “crossing” the variables.

For example, suppose you want to see the percentage of people within each branch of service who answered “yes” or “no” to the question, “Did you ever smoke at least 100 cigarettes in your life?” The variables in this analysis are **svcsmpl** – the branch of service, and **H18052** – the questionnaire variable. The cases for the analysis are from the South only.

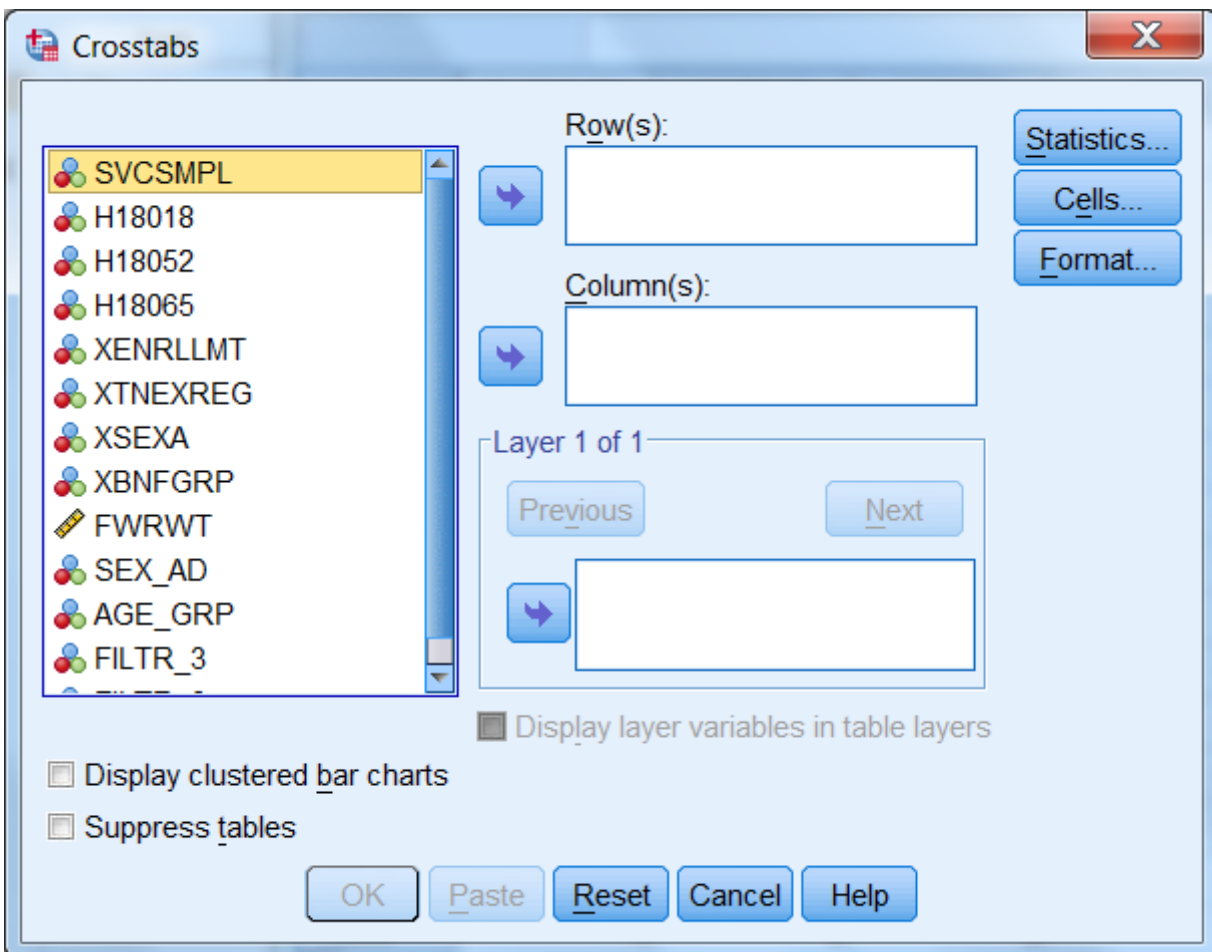
The first task is to build a new filter variable, assigning **1** to the variable when **XTNEXREG = 2**. You would call the variable **filtr_6** and build it the same way you built the filter, **filtr_3**. Cases from the South

are selected when you activate the filter, and the other cases are filtered out. Check the status line for **Filter On**.

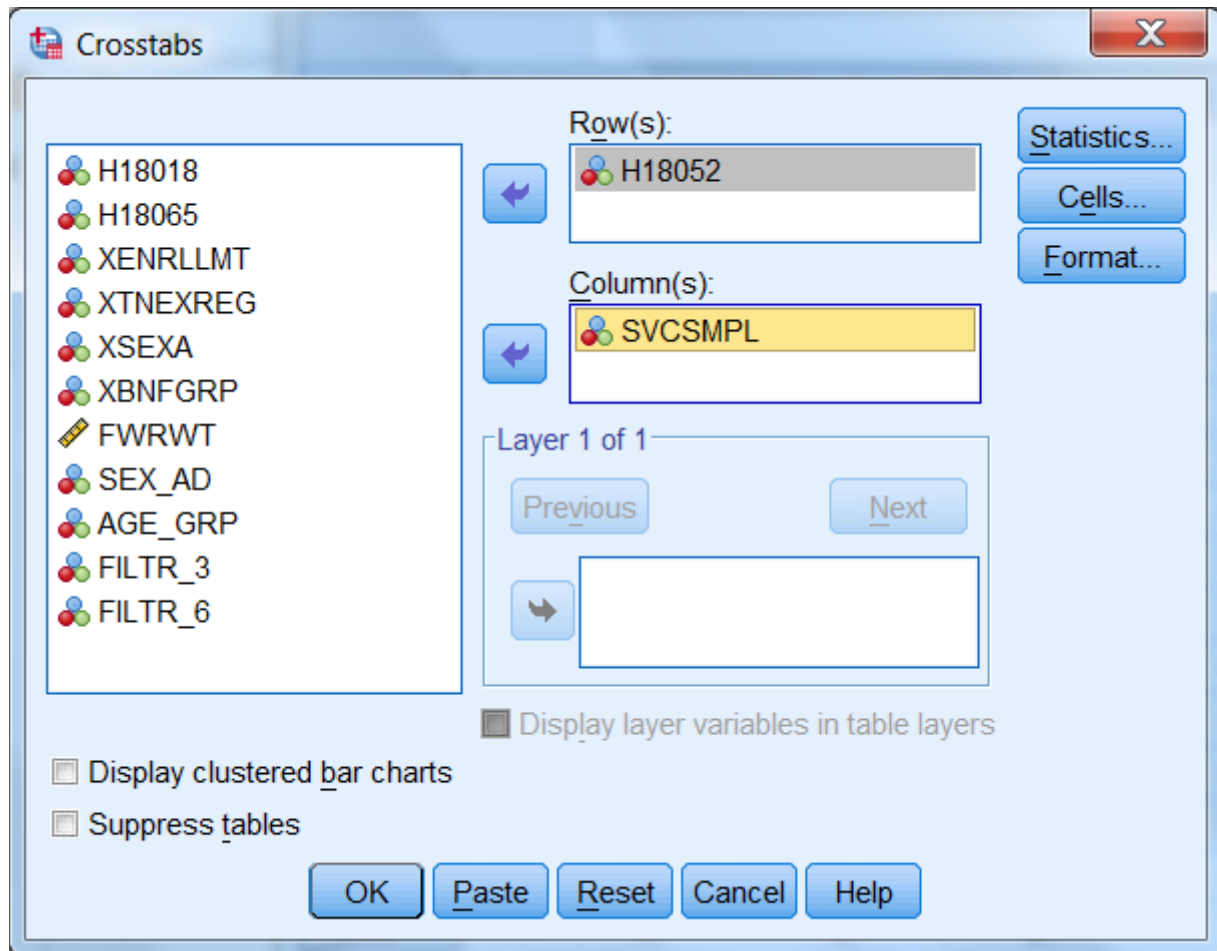
Next, open the **Analyze** menu in the **Data Window**, choosing **Descriptive Statistics** and **Crosstabs**, as shown below.



The **Crosstabs** dialog box will open as follows:

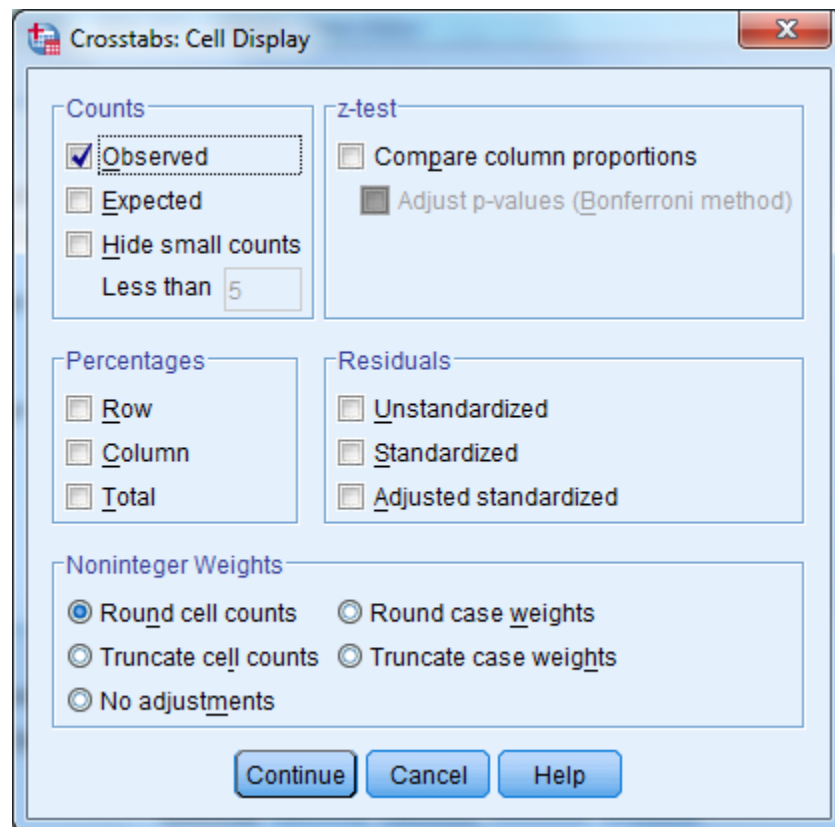


Move **H18052** from the variable list on the left into the box marked **Row(s)**:, and move the variable **svcsmpl** into the box marked **Column(s)**:. The screen will resemble the following:



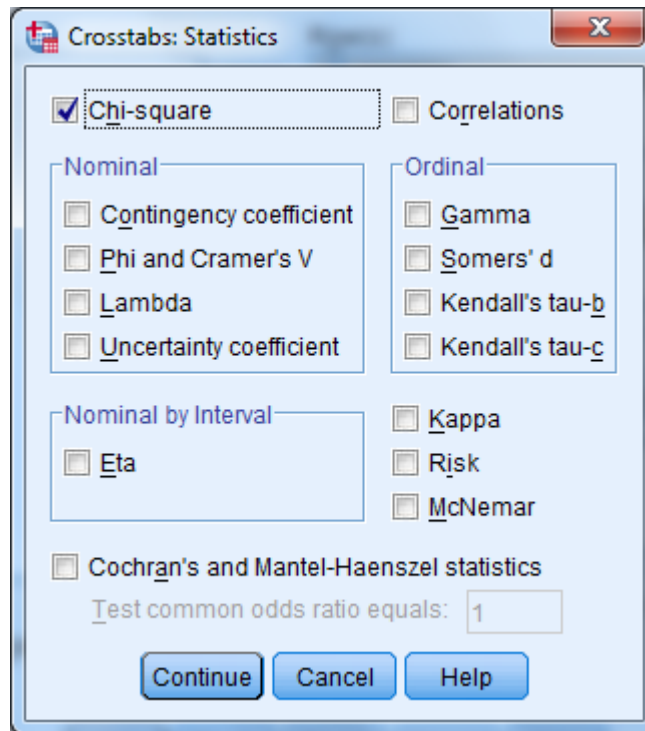
For this analysis, there are no **Layer** variables, so you can proceed to format the table cells.

Click on **Cells...** and open the following dialog box.



Under **Counts**, **Observed** is checked. This refers to the cell count, a statistic you want to see, so you would leave it checked. Under **Percentages**, check **Column** because you are interested in the percentage of people in each branch of service. Click **Continue** and return to the original screen.

Suppose you also want to see the chi-square statistic. Click on **Statistics**, and the following screen will open:



If you wanted to calculate chi-square, you would check **Chi-square** as in the screen above, click **Continue** to return to the first screen, and click **OK** to run the procedure. **Running Crosstabs** will appear on the status line, together with the case counter. For this crosstabulation we will not reflect the chi-square statistics.

When the run is completed, the output window will open, and you can proceed to reformat the table. For a given work session, SPSS appends new output to previous output--in our case, the **Means** procedure. As shown in the next screen, a second section now appears in the left pane, headed by the word **Crosstabs**. Navigate to the **Title** section and double-click inside the title box to change the text in the box to fit the table, as in the example below.

The screenshot shows the IBM SPSS Statistics Viewer window. The left pane displays the output tree with 'Crosstabs' selected. The main pane shows the 'Mean of Respondent's Health Care Rating w/Health Assessment' table and the 'Case Processing Summary' table.

Mean of Respondent's Health Care Rating w/Health Assessment

Mean of Respondent's Health Care Rating w/Health Assessment: F

Mean	Active Duty <65			Family of Active <65			Ret/Sur	
	Male	Female	Total	Male	Female	Total	Male	Female
Health Care Rating	7.09	6.83	7.00	7.46	7.40	7.40	7.91	7.40
Health State	3.67	3.67	3.67	3.60	3.67	3.66	3.35	3.67

→ **South Region: Smoked 100+ Cigarettes in Life**

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Smoked at least 100 cigarettes in life * SVCSMPL - Branch of Service	2274947	96.2%	90443.213	3.8%	2365390.213	100.0%

Smoked at least 100 cigarettes in life * SVCSMPL - Branch of Service

IBM SPSS Statistics Processor is ready | H: 0.23, W: 4.88 in

As you did for the **Means** procedure, you would again evaluate the **Notes** and examine the **Case Processing Summary**. Hide the **Notes** and the **Case Processing Summary** as you did before.

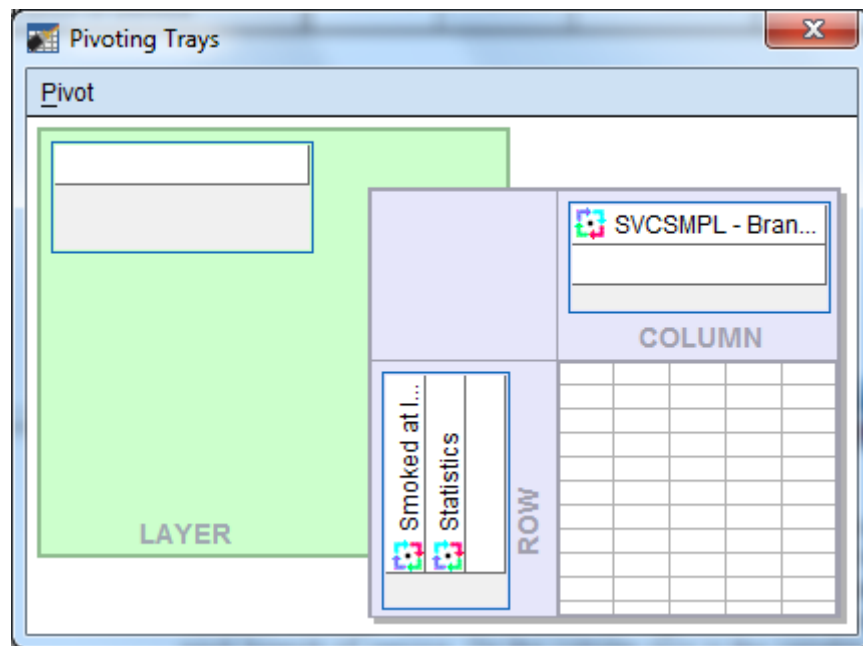
Right click inside the table and navigate to **Edit Content**, followed by **In Separate Window**. This will open an **SPSS Pivot Table Object**, as follows:

Smoked at least 100 cigarettes in life * SVCSMPL - Branch of Service Crosstabulation									
			SVCSMPL - Branch of Service						
			Army	Navy	Marine Corps	Air Force	Coast Guard	Other/Unknown	Total
Smoked at least 100 cigarettes in life	Yes	Count	300661	146510	44156	308417	14786	536	815066
		% within SVCSMPL - Branch of Service	31.1%	41.0%	43.7%	39.2%	26.8%	10.1%	35.8%
	No	Count	667600	210854	56920	479295	40450	4762	1459881
		% within SVCSMPL - Branch of Service	68.9%	59.0%	56.3%	60.8%	73.2%	89.9%	64.2%
Total			Count	968261	357364	101076	787712	55236	5298
			% within SVCSMPL - Branch of Service	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

The information you requested is in the table, but the table is hard to read. The first possibility is to realign the percent statistic, bringing it into the row dimension. To do this, open the **Pivot** menu and choose **Pivoting Trays**, as in the following screen:

Smoked at least 100 cigarettes in life * SVCSMPL - Branch of Service Crosstabulation									
			SVCSMPL - Branch of Service						
			Army	Navy	Marine Corps	Air Force	Coast Guard	Other/Unknown	Total
Smoked at least 100 cigarettes in life	Yes	Count	300661	146510	44156	308417	14786	536	815066
		% within SVCSMPL - Branch of Service	31.1%	41.0%	43.7%	39.2%	26.8%	10.1%	35.8%
	No	Count	667600	210854	56920	479295	40450	4762	1459881
		% within SVCSMPL - Branch of Service	68.9%	59.0%	56.3%	60.8%	73.2%	89.9%	64.2%
Total			Count	968261	357364	101076	787712	55236	5298
			% within SVCSMPL - Branch of Service	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

The pivoting tool will appear:



This tool reflects the table structure: rows, columns, and layers. The icons in the margins of the pivoting trays represent the table elements: the variables and the cell statistics. Place the mouse pointer on each icon and notice the element name appear. In this example, on the ROW axis, you would find the variable, **H18052** – smoked at least 100 cigarettes in life, and **Statistics** – the percent of people in each branch of service. On the column axis is the variable, **svcsmpl** – the branch of service.

Place the mouse pointer on the **Statistics** icon. Click and drag the icon from the ROW to the COLUMN dimension. The table immediately reformats as in the following screen:

Pivot Table Smoked at least 100 cigarettes in life * SVCSMPL - Branch of Service Crosstabulation

File Edit View Insert Pivot Format Help

Smoked at least 100 cigarettes in life * SVCSMPL - Branch of Service Crosstabulation

		SVCSMPL - Branch of Service							
		Army		Navy		Marine Corps		Air Force	
		Count	% within SVCSMPL - Branch of Service	Count	% within SVCSMPL - Branch of Service	Count	% within SVCSMPL - Branch of Service	Count	% within SVCSMPL - Branch of Service
Smoked at least 100 cigarettes in life	Yes	300661	31.1%	146510	41.0%	44156	43.7%	308417	39.2%
	No	667600	68.9%	210854	59.0%	56920	56.3%	479295	60.8%
Total		968261	100.0%	357364	100.0%	101076	100.0%	787712	100.0%

Pivoting Trays

Pivot

SVCSMPL ...

Statistics

COLUMN

Close the pivoting tool and scroll from side to side in the table. Again, the table appears too wide, but the report will print properly. Notice that the table is much more readable.

The label at the top of the table is the **Variable Label** for **svcsmpl**. Select it by double-clicking and edit it for clarity (see the screen below).

Next, edit the text in the table label so that it better expresses the content of the table.

The table is now formatted to accommodate the long percent label, creating a lot of wasted space. Double-click this element, delete the text, and replace it with the word, "Percent". The empty space disappears and the table appears as follows:

		Branch of Service									
		Army		Navy		Marine Corps		Air Force		Coast	
		Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	
Smoked at least 100 cigarettes in life	Yes	300661	31.1%	146510	41.0%	44156	43.7%	308417	39.2%	14786	
	No	667600	68.9%	210854	59.0%	56920	56.3%	479295	60.8%	40450	
Total		968261	100.0%	357364	100.0%	101076	100.0%	787712	100.0%	55236	

Last, notice that the label for **H18052** is awkward. Select and clear it.

The finished table appears as follows:

Pivot Table Smoked at least 100 cigarettes in life * SVCSMPL - Branch of Service Crosstabulation

File Edit View Insert Pivot Format Help

Smoked at Least 100+ Cigarettes in Life: By Branch of Service: South Region

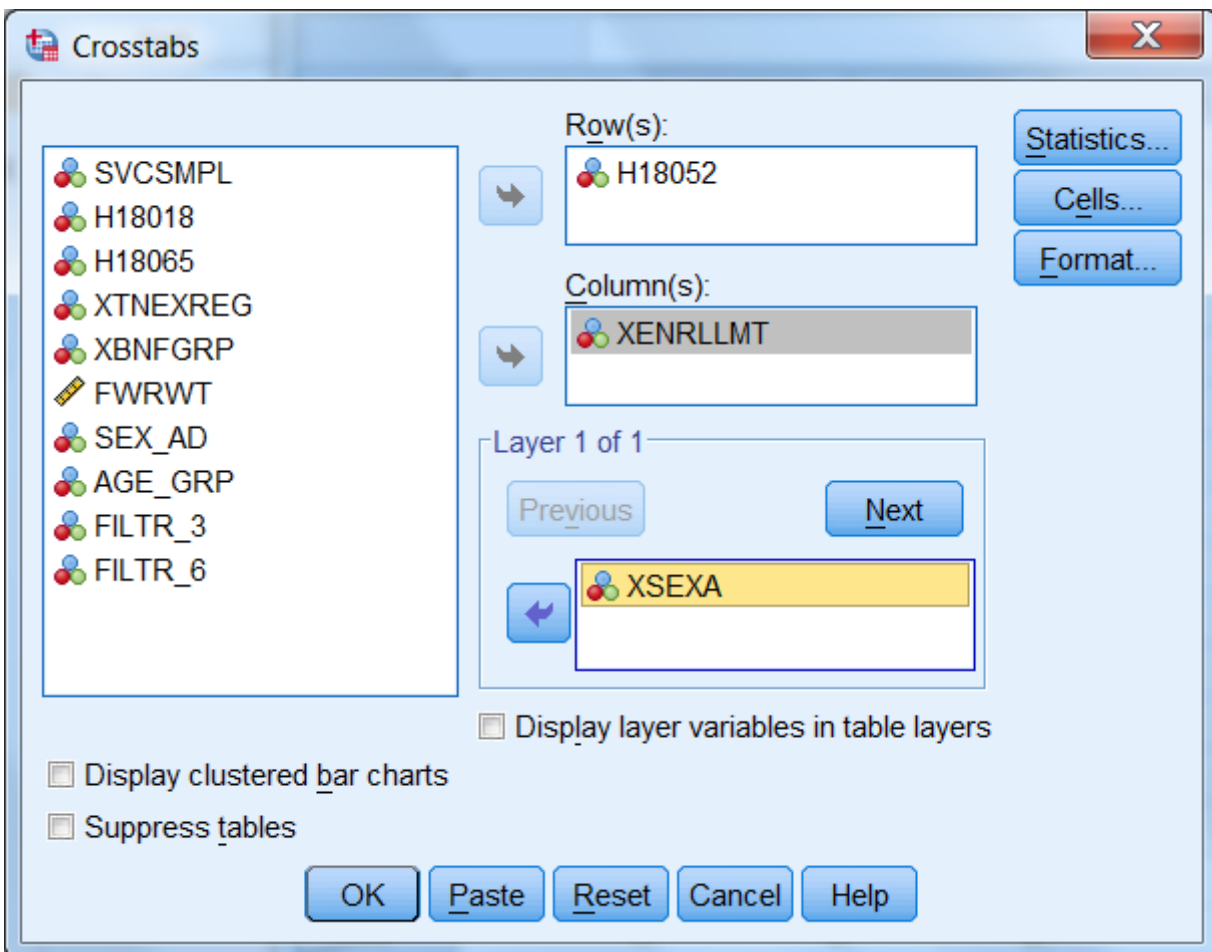
	Branch of Service											
	Army		Navy		Marine Corps		Air Force		Coast Guard		Other/Unknown	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Yes	300661	31.1%	146510	41.0%	44156	43.7%	308417	39.2%	14786	26.8%	536	10.1
No	667600	68.9%	210854	59.0%	56920	56.3%	479295	60.8%	40450	73.2%	4762	89.9
Total	968261	100.0%	357364	100.0%	101076	100.0%	787712	100.0%	55236	100.0%	5298	100.0

Check **Print Preview** to see if the table is acceptable.

The last example shows you how to add a **Layer** dimension to a **Crosstabs** analysis. Using the same row variable, **H18052**, suppose you want to look at the percentage of people by their enrollment status in TRICARE Prime, **xenrlimt**, who smoked at least 100 cigarettes in their lifetime. Suppose you are also interested in sex differences, **xsexa**, among the groupings. **Xsexa** is the **Layer** variable. You want to remain in the South region, using **filtr_6** as the filter variable. The cases will be weighted by **FWRWT**.

The status line indicates **Weight On** and **Filter On**. Verify that both the weight and the filter variables are appropriate.

Once more, open the **Crosstabs** dialog box, enter the analysis variables, and set the **Cells** options, checking **Column** under **Percentages** until the dialog box looks like the following:



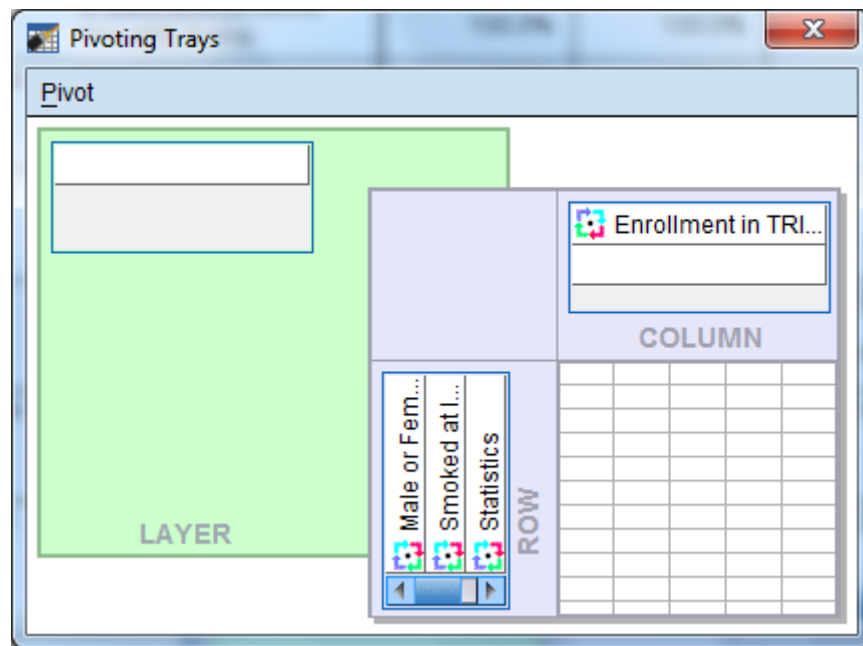
Do the following:

- Run Crosstabs.
- Edit the **Title** element in the **Output Navigator**.
- Examine **Notes** and the **Case Processing Summary** to verify that the crosstab ran as expected.
- Open the table as an **SPSS Pivot Table Object**, and the following will appear:

Pivot Table Smoked at least 100 cigarettes in life * Enrollment in TRICARE Prime * Male or Female - R Crosstabulation								
File Edit View Insert Pivot Format Help								
Smoked at least 100 cigarettes in life * Enrollment in TRICARE Prime * Male or Female - R Crosstabulation								
Male or Female - R				Enrollment in TRICARE Prime				
				Active Duty - under 65	Enrolled - under 65	Not enrolled - under 65	Not enrolled - 65 or over	Enrolled - 65 or over
Male	Smoked at least 100 cigarettes in life	Yes	Count	58942	79767	65382	229447	5102
			% within Enrollment in TRICARE Prime	21.2%	37.3%	32.3%	57.7%	33.3%
		No	Count	219112	134350	136771	168382	10205
			% within Enrollment in TRICARE Prime	78.8%	62.7%	67.7%	42.3%	66.7%
	Total		Count	278054	214117	202153	397829	15307
			% within Enrollment in TRICARE Prime	100.0%	100.0%	100.0%	100.0%	100.0%
Female	Smoked at least 100 cigarettes in life	Yes	Count	13921	110757	77335	151896	13293
			% within Enrollment in TRICARE Prime	14.2%	26.5%	27.6%	45.9%	61.9%
		No	Count	83913	307395	202789	179312	8190
			% within Enrollment in TRICARE Prime	85.8%	73.5%	72.4%	54.1%	38.1%
	Total		Count	97834	418152	280124	331208	21483
			% within Enrollment in TRICARE Prime	100.0%	100.0%	100.0%	100.0%	100.0%
Total	Smoked at least 100 cigarettes in life	Yes	Count	72863	190524	142717	381343	18395
			% within Enrollment in TRICARE Prime	19.4%	30.1%	29.6%	52.3%	50.0%
		No	Count	303025	441745	339560	347694	18395
			% within Enrollment in TRICARE Prime	80.6%	69.9%	70.4%	47.7%	50.0%
	Total		Count	375888	632269	482277	729037	36790
			% within Enrollment in TRICARE Prime	100.0%	100.0%	100.0%	100.0%	100.0%

The table is difficult to read, but you can improve it by doing the following.

Select the **Pivot** menu to activate the **Pivoting Trays**. The table structure is reproduced in the tool as follows:



Place the mouse pointer on each small icon to find the second grouping variable, labeled **Male or Female - R**, in the ROW dimension. Move it to the COLUMN dimension, and the table changes to the following:

Pivot Table Smoked at least 100 cigarettes in life * Enrollment in TRICARE Prime * Male or Female - R Crosstabulation

File Edit View Insert Pivot Format Help

Smoked at least 100 cigarettes in life * Enrollment in TRICARE Prime * Male or Female - R

				Active Duty - under 65			Enrolled - under 65			Enrollment in TRICARE Prime	
				Male or Female - R			Male or Female - R			Male or Female - R	
				Male	Female	Total	Male	Female	Total	Male	Female
Smoked at least 100 cigarettes in life	Yes	Count		58942	13921	72863	79767	110757	190524	65382	77331
		% within Enrollment in TRICARE Prime		21.2%	14.2%	19.4%	37.3%	26.5%	30.1%	32.3%	27.6%
	No	Count		219112	83913	303025	134350	307395	441745	136771	202781
		% within Enrollment in TRICARE Prime		78.8%	85.8%	80.6%	62.7%	73.5%	69.9%	67.7%	72.4%
Total		Count		278054	97834	375888	214117	418152	632269	202153	280122
		% within Enrollment in TRICARE Prime		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Pivoting Trays

Pivot

Enrollment in TRI... Male or Fe...

COLUMN

Smoked ... Statistics

ROW

LAYER

132

Pivot Table Smoked at least 100 cigarettes in life * Enrollment in TRICARE Prime * Male or Female - R Crosstabulation

File Edit View Insert Pivot Format Help										
		Active Duty - under 65						Enrolled - un		
		Male or Female - R						Male or Fema		
		Male		Female		Total		Male		Female
			% within Enrollment in TRICARE Prime		% within Enrollment in TRICARE Prime		% within Enrollment in TRICARE Prime		% within Enrollment in TRICARE Prime	% Enrd TR
		Count		Count		Count		Count		Count
Smoked at least 100 cigarettes in life	Yes	58942	21.2%	13921	14.2%	72863	19.4%	79767	37.3%	110757
	No	219112	78.8%	83913	85.8%	303025	80.6%	134350	62.7%	307395
Total		278054	100.0%	97834	100.0%	375888	100.0%	214117	100.0%	418152

The screenshot shows the 'Pivoting Trays' dialog box in SPSS. The 'Pivot' section contains a 'Smoked' variable in the 'ROW' tray. The 'COLUMN' tray contains 'Enrollment in TRICARE Prime' and 'Male or Female'. The 'STATISTICS' section is also visible.

Close the **Pivoting Trays** and hide the dimension label, **Male or Female - R**, in the table. Then, change the percent label to "Percent" and delete the label for **H18052** in the row dimension. Last, revise the label above the table to make it more informative.

The resulting table is both clear and informative.

Pivot Table Smoked at least 100 cigarettes in life * Enrollment in TRICARE Prime * Male or Female - R Crosstabulation

File Edit View Insert Pivot Format Help

South Region: Smoked 100+ Cigarettes in Life: Enrollment Status by Gender

	Enrollment Status by Gender													
	Active Duty - under 65						Enrolled - under 65						Enr	
	Male		Female		Total		Male		Female		Total		Male	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Yes	58942	21.2%	13921	14.2%	72863	19.4%	79767	37.3%	110757	26.5%	190524	30.1%	65382	32.3%
No	219112	78.8%	83913	85.8%	303025	80.6%	134350	62.7%	307395	73.5%	441745	69.9%	136771	67.7%
Total	278054	100.0%	97834	100.0%	375888	100.0%	214117	100.0%	418152	100.0%	632269	100.0%	202153	100.0%

The Print Preview, as in the view below, shows how the report will print.

South Region: Smoked 100+ Cigarettes in Life: Enrollment Status by Gender

	Enrollment in TRICARE Prime							
	Active Duty - under 65						Enrolled - under 65	
	Male		Female		Total		Male	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Yes	58942	21.2%	13921	14.2%	72863	19.4%	79767	37.3%
No	219112	78.8%	83913	85.8%	303025	80.6%	134350	62.7%
Total	278054	100.0%	97834	100.0%	375888	100.0%	214117	100.0%

South Region: Smoked 100+ Cigarettes in Life: Enrollment Status by Gender

	Enrollment in TRICARE Prime							
	Enrolled - under 65				Not enrolled - under 65			
	Female		Total		Male		Female	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Yes	110757	26.5%	190524	30.1%	65382	32.3%	77335	27.6%
No	307395	73.5%	441745	69.9%	136771	67.7%	202789	72.4%
Total	418152	100.0%	632269	100.0%	202153	100.0%	280124	100.0%

Page 1 SPSS Statistics Processor is ready

CALCULATING VARIANCES OF ESTIMATES

Sampling error occurs when estimates are derived from a sample rather than a complete census of the population. The sample used for a particular survey is only one of a large number of possible samples of the same size and design that could have been selected. Even if the same questionnaire and instructions were used, the estimates from each sample would differ from the others. The standard error (or square root of the variance) indicates the magnitude of the sampling error and thus measures the precision expected from a particular sample.

It is desirable to assess the accuracy of an estimate. The standard error of a survey estimate measures the precision with which an estimate from one sample approximates the true population value. The standard error can be used to construct confidence intervals for survey parameters, within which the true parameter lies within a measurable degree of certainty.

This section explains how to estimate standard errors or variances for estimators computed from the Quarter II, 2018 Adult HCSDb. For a full discussion of variance estimation methods, see Wolter (1985) and references cited therein.

Variance Estimation Methods

The 2018 HCSDB uses a stratified sample design. To account for complex estimators for the sample design¹, it is customary to use either Taylor series linearization or a resampling method for variance estimation. Neither variance estimation method is, in general, better so the choice of one or the other is largely a matter of convenience. To help users to estimate standard errors using Taylor series linearization or Jackknife replication, the public release files for the Quarter II, 2018 Adult HCSDB include the following variables:

- The stratum variable (STRATUM) for the Taylor series linearization method
- Quarterly final weight (FWRWT)
- Quarterly jackknife replicate weights (FWRWT01 to FWRWT60)

Three popular software packages are available for performing Taylor series linearization method: SAS/STAT version 8.0 or higher, SUDAAN (Research Triangle Institute, 2001) and WesVarPC (Brick et al. 1996), respectively. The last two software packages can be used for replication methods including Jackknife variance estimation. The discussion below explains how SUDAAN and SAS are used to calculate variance estimates using Taylor series linearization method, and how SUDAAN and WesVarPC are used to calculate variance estimates using Jackknife replication method.

Taylor Series Linearization Method

For most sample designs (including the Quarter II, 2018 Adult HCSDB), design-based variance estimates for linear estimators of totals or means can be obtained with explicit formulas. However, nonlinear functions such as ratios do not have exact expressions for the variance. The Taylor series linearization method approximates the variance of a nonlinear estimator with the variances of the linear terms from the Taylor series expansion. Woodruff (1971) presented applications of this technique to sample surveys. Details on this method can also be found in “The 2018 Health Care Survey of DoD Beneficiaries: Adult Technical Manual”.

To calculate variance estimates based on the Taylor series linearization method with HCSDB's stratified sampling design, both the stratum variable (STRATUM) and the final weight (FWRWT) specified for each data record are needed.

¹ The 2018 HCSDB uses a stratified sampling design. For details, see “Health Care Survey of DoD Beneficiaries: 2018 Adult Sampling Report.” Washington, DC: Mathematica Policy Research, Forthcoming, 2018.

SUDAAN

SUDAAN incorporates the final analysis weight and the survey design to obtain estimates and their sampling errors. With a small overall sampling rate of about 1 percent, you can use the with-replacement design procedure (STRWR) in calculating standard errors.

All SUDAAN procedures require the following:

- The specification of sampling design. The terminology for the stratified with-replacement sample design is DESIGN = STRWR.
- The data file sorted by the variable specified in the NEST statement. For the Quarter II, 2018 Adult HCSDb, the data file for adults must be sorted by STRATUM before using any SUDAAN procedure.
- A FILE TYPE appropriate for SUDAAN, if you use a stand-alone SUDAAN program. For example, some SUDAAN PC versions under Windows or MS-DOS accept only V6.02 through V6.04 SAS files, and FILE TYPE must be specified as SAS. SAS-callable SUDAAN is also available and can be invoked directly in a SAS program with any available SAS file as input; FILE TYPE is not needed here.
- The WEIGHT variable is FWRWT.

The following program is an example of how to use SUDAAN to calculate variance estimates for a mean statistic. Suppose you want to estimate:

- The rating of a specialist (H18031), among all beneficiaries who smoked at least 100 cigarettes in their lifetime (H18052=1) for each TNEX region (XTNEXREG)

```
PROC DESCRIPT DATA=HCSDb /*FILETYPE=SAS*/ DESIGN=STRWR;  
  WEIGHT      FWRWT;  
  NEST        STRATUM;  
  SUBPOPN     H18052=1;  
  SUBGROUP    XTNEXREG;  
  LEVELS      4;  
  VAR         H18031;  
  RUN;
```

The following program is an example of how to use SUDAAN to calculate variance estimates for column percentages or row percentages. Suppose you want to estimate:

- A cross tabulation of respondents in TNEX region 3 who last had a blood pressure reading less than 12 months ago, 1 to 2 years ago, and more than 2 years ago (H18049) by TRICARE enrollment (XENRLLMT).

```
PROC CROSSTAB DATA=HCSDb /*FILETYPE=SAS*/ DESIGN=STRWR;  
  WEIGHT      FWRWT;  
  NEST        STRATUM;  
  SUBPOPN     XTNEXREG = 3;  
  SUBGROUP    H18049 XENRLLMT;  
  LEVELS      3 5;  
  TABLES     H18049 *XENRLLMT;  
  RUN;
```

From the above examples, users should note that:

- PROC DESCRIPT can be used to compute estimates of means and the corresponding standard errors.
- PROC CROSSTAB can be used to compute estimates of proportions and the corresponding standard errors.

For a more detailed and complete discussion of how to use SUDAAN, see Research Triangle Institute (2001).

SAS

SAS/STAT version 8.0 and higher provide procedures for survey sampling. These procedures can be used to analyze data from a stratified random sampling. These procedures include:

- PROC SURVEYMEANS: for estimating population means, totals, and proportions, including domain (subpopulation) estimates
- PROC SURVEYREG: for performing linear regression model fitting.

The following procedures were added to SAS/STAT version 9.0:

- PROC SURVEYFREQ: for constructing one-way frequency tables, two-way and multiway crosstabulation tables, and estimating population totals and proportions
- PROC SURVEYLOGISTIC: for performing cumulative logit regression model fitting, logit, complementary log-log, and probit link functions, and generalized logit regression model fitting.

The above procedures currently provide only the Taylor series linearization method to estimate standard error or variance of the estimate.

The following program is an example of how to use SAS/STAT to calculate variance estimates for a mean statistic. Suppose you want to estimate:

- The rating of a specialist (H18031), among all beneficiaries who smoked at least 100 cigarettes in their lifetime (H18052=1) for each TNEX region (XTNEXREG)

```
PROC SURVEYMEANS DATA=HCSDB;  
  WEIGHT      FWRWT;  
  STRATA      STRATUM;  
  DOMAIN      H18052 * XTNEXREG;  
  VAR         H18031;  
RUN;
```

The above codes will provide output for H18052=1 and 2. User only needs to use output from H18052=1.

The following program is an example of how to use SAS/STAT to calculate variance estimates for column percentages or row percentages. Suppose you want to estimate:

- A cross tabulation of respondents in each TNEX region who last had a blood pressure reading less than 12 months ago, 1 to 2 years ago, and more than 2 years ago (H18049) by TRICARE enrollment (XENRLLMT).

```
PROC SURVEYFREQ DATA=HCSDB;  
WEIGHT          FWRWT;  
STRATA          STRATUM;  
TABLES          XTNEXREG * H18049 * XENRLLMT;  
RUN;
```

For a more detailed and complete discussion of how to use SAS/STAT, see SAS Institute Inc. (1999) and SAS Institute Inc. (2004).

Jackknife Replication Method

Another popular way to estimate the variance is to use a resampling method such as Jackknife replication, balanced repeated replication, random groups, or the bootstrap method. Like other replication methods, Jackknife replication constructs a number of subsamples (replicates) from the full sample and computes the statistics of interest for each replicate (with the same formula as the full sample estimate). The mean square error of the replicate estimates around their corresponding full estimate provides an estimate of the sampling variance of the statistic of interest regardless of the functional form of the statistic.

There are 60 replicate weights (FWRWT01-FWRWT60) for the Quarter II, 2018 Adult HCSDB file. Construction of these weights is described in the “2018 Health Care Survey of DoD Beneficiaries: Adult Technical Manual”. With the replicate weights, you can produce Jackknife standard errors using in-house or custom-written software, or you can use a publicly available software package such as WesVarPC or SUDAAN 8. Because WesVarPC 2.02 is available as freeware on the World Wide Web (<http://www.westat.com/wesvar/demo/index.html>), the example below explains how it is used to produce Jackknife variance estimates for statistics from the Quarter II, 2018 Adult HCSDB.

Suppose you want to estimate the mean rating of the specialist seen most often (H18031) among all beneficiaries who smoked at least 100 cigarettes in their lifetime (H18052=1) for each region (XTNEXREG). You would use SUDAAN or WesVarPC as follows.

SUDAAN

```
PROC DESCRIPT DATA=HCSDB DESIGN=JACKKNIFE;  
WEIGHT          FWRWT ;  
JACKWGTS        FWRWT1-FWRWT60 / ADJJACK=1 ;  
SUBPOPN         H18052=1;  
SUBGROUP        XTNEXREG;  
LEVELS          4;  
VAR             H18031 ;  
OUTPUT          NSUM MEAN SEMEAN / TABLECELL=DEFAULT FILENAME=OUT1 ;  
RUN;
```

WESVARPC

- **Create a SAS V6.04 file, SAS Transport file, or ASCII file.** WesVarPC has a restriction for the input data format. All files must be converted to one of these three types of files before being imported to WesVarPC.
- **Create a WesVarPC data file.** From the *Prep* menu, choose the *Import Data Files* screen and import all variables for the analysis. For this example, input H18052, H18031, and XTNEXREG into the *Variables* box, FWRWT1-FWRWT60 into the *Replicates* box, and MPRID into the *ID* box. Also specify the replication method as JK1 on this screen.

- **Create a data file for the subpopulation.** Specify the subpopulation by choosing the *Subpop WesVarPC Data File* from the *Prep* menu: H18052=1.
- **Calculate estimates.** From the **Tables** menu, choose **New** and select the file created from the above procedure. Then, from the **Table Request** screen, specify H18031 as the **Analysis** variable, MEAN (H18031) as the **Compute Statistics**, and XTNEXREG as the **Table**.

The above steps can also be followed to produce standard errors. The WesVarPC user's manual (Brick et al. 1996) provides other possible methods for producing standard errors. The latest WesVarPC 4.0 is no longer freeware and can be purchased from Westat.

PAGE IS INTENTIONALLY LEFT BLANK TO ALLOW FOR DOUBLE-SIDED COPYING

Chapter

5

Codebook

This chapter describes every variable in the database. This codebook will also be helpful in identifying which data are available for various analyses, and what, if any, recoding of variables will meet your needs. It may also be useful in reviewing output.

Please note that the following variables have been dropped to protect confidentiality - XCATCH, H18073E, SRRACEE, XBMI, H18071I, H18071F, H18072, and SERVAFF. Also, the age at sampling (RDAGEQY) and age at fielding (RFLDAGE) are bottom coded at 18 and top coded at 65 for the public use file. In addition, the self-reported education level (SREDA) and race variables (SRRACE, H18073, and RACEETHN) are collapsed for confidentiality reasons.

The variables are in order based on their order in the database. An alphabetical listing (see Alphabetical Table of Variables in the Table of Contents) is provided to assist in locating variables.

The codebook contains frequency distributions for both discrete and continuous variables. A discrete variable is one that has only a few values. A continuous variable may have many possible values.

Below are two examples of the presentation of variables in the codebook. For each variable, we include the variable name, definition, weighted and unweighted frequency distributions, and the format value for each value. The first example contains a frequency distribution for a discrete variable.

H18007 -

In last year: how often got care as soon as you needed it

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	202	1.57	70,765	0.97	Did not answer
C	205	1.60	72,745	0.99	Should be skipped
N	6,790	52.84	3,827,008	52.29	Didn't need care right away in past year
1	212	1.65	75,108	1.03	Never
2	784	6.10	338,291	4.62	Sometimes
3	1,284	9.99	667,815	9.12	Usually
4	3,372	26.24	2,267,384	30.98	Always

The table below contains an example of a frequency distribution for a continuous variable: age. The frequency does not list every possible value of age individually but instead shows several age ranges that together cover all possible values of age, including 18 and younger and 65 and older. You will notice that the second to last range representing ages “55 to 64 years” includes 3,641 respondents aged 55 to 64.

RDAGEQY -**Age at time of sample preparation-Capped (18 and below, 65 and above)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
18	128	1.00	129,301	1.77	18 and younger
19 -- 34	3,874	30.15	2,076,828	28.38	19--34
35 -- 44	2,440	18.99	883,792	12.08	35--44
45 -- 54	2,312	17.99	649,741	8.88	45--54
55 -- 64	3,641	28.34	1,370,154	18.72	55--64
65	454	3.53	2,209,303	30.19	65 and older

MPRID -
Unique MPR identifier

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
00044424 -- 17392499	12,849	100.00	7,319,118	100.00	00000001--99999999

SVCSMPL -
Branch of service sampling variable

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	3,721	28.96	2,858,948	39.06	Army
2	2,674	20.81	1,488,704	20.34	Navy
3	681	5.30	544,417	7.44	Marine Corps
4	5,345	41.60	2,171,244	29.67	Air Force
5	339	2.64	223,636	3.06	Coast Guard
6	89	0.69	32,168	0.44	Other/Unknown

SEXSMPL -
Sex sampling variable

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	7,356	57.25	3,524,147	48.15	Male
2	5,493	42.75	3,794,971	51.85	Female

STRATUM -
Sampling stratum

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0999911	73	0.57	238,839	3.26	0999911
1000103	31	0.24	1,290	0.02	1000103
1000106	78	0.61	8,623	0.12	1000106
1000301	32	0.25	4,854	0.07	1000301
1000303	18	0.14	2,972	0.04	1000303
1000306	24	0.19	4,992	0.07	1000306
1000401	35	0.27	3,442	0.05	1000401
1000403	129	1.00	7,215	0.10	1000403
1000501	28	0.22	12,031	0.16	1000501
1000503	9	0.07	3,247	0.04	1000503
1000506	11	0.09	2,917	0.04	1000506
1000601	36	0.28	8,918	0.12	1000601
1000603	11	0.09	2,784	0.04	1000603
1000606	21	0.16	7,350	0.10	1000606
1000801	25	0.19	2,881	0.04	1000801
1000803	109	0.85	4,566	0.06	1000803
1000901	27	0.21	7,208	0.10	1000901
1000903	11	0.09	1,891	0.03	1000903
1000906	37	0.29	8,985	0.12	1000906
1001001	33	0.26	7,245	0.10	1001001

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1001003	13	0.10	2,574	0.04	1001003
1001006	19	0.15	3,412	0.05	1001006
1001301	43	0.33	5,800	0.08	1001301
1001303	67	0.52	3,249	0.04	1001303
1001401	48	0.37	10,571	0.14	1001401
1001403	4	0.03	698	0.01	1001403
1001406	26	0.20	8,160	0.11	1001406
1001801	42	0.33	2,926	0.04	1001801
1001803	59	0.46	1,838	0.03	1001803
1001901	46	0.36	3,604	0.05	1001901
1001903	47	0.37	1,514	0.02	1001903
1002401	23	0.18	40,919	0.56	1002401
1002403	8	0.06	7,596	0.10	1002403
1002406	13	0.10	8,981	0.12	1002406
1002603	153	1.19	5,104	0.07	1002603
1002801	35	0.27	6,733	0.09	1002801
1002803	20	0.16	3,397	0.05	1002803
1002806	14	0.11	2,241	0.03	1002806
1002901	22	0.17	54,582	0.75	1002901
1002903	11	0.09	9,042	0.12	1002903
1002906	11	0.09	14,226	0.19	1002906
1003001	29	0.23	12,939	0.18	1003001
1003003	12	0.09	3,764	0.05	1003003
1003006	11	0.09	1,666	0.02	1003006
1003201	11	0.09	17,714	0.24	1003201
1003203	6	0.05	9,004	0.12	1003203
1003206	14	0.11	20,494	0.28	1003206
1003301	41	0.32	9,985	0.14	1003301
1003303	189	1.47	7,410	0.10	1003303
1003801	28	0.22	21,350	0.29	1003801
1003803	17	0.13	8,311	0.11	1003803
1003806	15	0.12	11,672	0.16	1003806
1003901	33	0.26	23,503	0.32	1003901
1003903	6	0.05	3,575	0.05	1003903
1003906	33	0.26	19,815	0.27	1003906
1004201	24	0.19	9,359	0.13	1004201
1004203	9	0.07	3,116	0.04	1004203
1004206	30	0.23	10,447	0.14	1004206
1004301	39	0.30	4,808	0.07	1004301
1004303	103	0.80	4,387	0.06	1004303
1004501	21	0.16	6,261	0.09	1004501
1004503	11	0.09	3,427	0.05	1004503
1004506	46	0.36	16,435	0.22	1004506
1004603	128	1.00	2,386	0.03	1004603
1004701	22	0.17	16,009	0.22	1004701
1004703	9	0.07	5,943	0.08	1004703
1004706	24	0.19	11,187	0.15	1004706

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1004801	19	0.15	19,918	0.27	1004801
1004803	10	0.08	7,208	0.10	1004803
1004806	17	0.13	14,910	0.20	1004806
1004901	19	0.15	21,923	0.30	1004901
1004903	10	0.08	7,268	0.10	1004903
1004906	10	0.08	9,484	0.13	1004906
1005101	43	0.33	5,379	0.07	1005101
1005103	8	0.06	1,055	0.01	1005103
1005106	27	0.21	4,221	0.06	1005106
1005201	21	0.16	27,798	0.38	1005201
1005203	17	0.13	15,015	0.21	1005203
1005206	12	0.09	9,792	0.13	1005206
1005301	48	0.37	4,632	0.06	1005301
1005303	56	0.44	1,898	0.03	1005303
1005501	43	0.33	8,280	0.11	1005501
1005503	9	0.07	962	0.01	1005503
1005506	35	0.27	5,445	0.07	1005506
1005601	16	0.12	9,110	0.12	1005601
1005603	42	0.33	12,578	0.17	1005603
1005701	26	0.20	14,150	0.19	1005701
1005703	16	0.12	7,047	0.10	1005703
1005706	10	0.08	4,207	0.06	1005706
1005801	36	0.28	3,850	0.05	1005801
1005803	21	0.16	2,484	0.03	1005803
1005806	38	0.30	5,195	0.07	1005806
1006001	22	0.17	33,473	0.46	1006001
1006003	9	0.07	7,676	0.10	1006003
1006006	11	0.09	9,146	0.12	1006006
1006101	35	0.27	5,315	0.07	1006101
1006103	12	0.09	1,469	0.02	1006103
1006106	50	0.39	9,673	0.13	1006106
1006201	53	0.41	8,585	0.12	1006201
1006203	10	0.08	1,206	0.02	1006203
1006206	9	0.07	1,810	0.02	1006206
1006401	20	0.16	9,588	0.13	1006401
1006403	3	0.02	1,522	0.02	1006403
1006406	9	0.07	2,827	0.04	1006406
1006601	28	0.22	13,989	0.19	1006601
1006603	11	0.09	3,184	0.04	1006603
1006606	19	0.15	6,544	0.09	1006606
1006701	42	0.33	13,502	0.18	1006701
1006703	22	0.17	5,683	0.08	1006703
1006706	21	0.16	6,542	0.09	1006706
1006801	34	0.26	4,694	0.06	1006801
1006803	10	0.08	1,346	0.02	1006803
1006806	31	0.24	4,411	0.06	1006806
1006901	43	0.33	20,852	0.28	1006901

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1006903	17	0.13	6,719	0.09	1006903
1006906	29	0.23	17,748	0.24	1006906
1007301	40	0.31	9,171	0.13	1007301
1007303	12	0.09	1,474	0.02	1007303
1007306	26	0.20	5,471	0.07	1007306
1007403	119	0.93	3,057	0.04	1007403
1007501	27	0.21	11,612	0.16	1007501
1007503	11	0.09	3,687	0.05	1007503
1007506	15	0.12	5,024	0.07	1007506
1007601	39	0.30	4,929	0.07	1007601
1007603	68	0.53	3,084	0.04	1007603
1007701	47	0.37	3,947	0.05	1007701
1007703	78	0.61	2,805	0.04	1007703
1007801	29	0.23	8,004	0.11	1007801
1007803	14	0.11	2,599	0.04	1007803
1007806	35	0.27	6,987	0.10	1007806
1007901	35	0.27	14,128	0.19	1007901
1007903	11	0.09	3,743	0.05	1007903
1007906	34	0.26	12,480	0.17	1007906
1008301	50	0.39	4,314	0.06	1008301
1008303	115	0.90	4,599	0.06	1008303
1008601	39	0.30	9,589	0.13	1008601
1008603	33	0.26	2,034	0.03	1008603
1008901	29	0.23	39,724	0.54	1008901
1008903	19	0.15	29,219	0.40	1008903
1008906	14	0.11	17,235	0.24	1008906
1009101	24	0.19	41,523	0.57	1009101
1009103	9	0.07	11,629	0.16	1009103
1009106	9	0.07	8,328	0.11	1009106
1009201	33	0.26	9,260	0.13	1009201
1009203	8	0.06	1,681	0.02	1009203
1009206	23	0.18	3,794	0.05	1009206
1009401	48	0.37	6,749	0.09	1009401
1009403	45	0.35	2,352	0.03	1009403
1009501	36	0.28	8,293	0.11	1009501
1009503	29	0.23	4,332	0.06	1009503
1009506	44	0.34	9,849	0.13	1009506
1009601	40	0.31	7,055	0.10	1009601
1009603	7	0.05	1,089	0.01	1009603
1009606	32	0.25	5,237	0.07	1009606
1009801	22	0.17	6,321	0.09	1009801
1009803	9	0.07	3,492	0.05	1009803
1009806	20	0.16	7,338	0.10	1009806
1010001	55	0.43	9,967	0.14	1010001
1010003	22	0.17	3,558	0.05	1010003
1010006	17	0.13	2,364	0.03	1010006
1010101	49	0.38	6,469	0.09	1010101

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1010103	50	0.39	2,471	0.03	1010103
1010301	18	0.14	6,239	0.09	1010301
1010303	61	0.47	6,603	0.09	1010303
1010401	26	0.20	11,245	0.15	1010401
1010403	11	0.09	2,375	0.03	1010403
1010406	9	0.07	2,669	0.04	1010406
1010501	22	0.17	3,866	0.05	1010501
1010503	10	0.08	2,169	0.03	1010503
1010506	41	0.32	9,335	0.13	1010506
1010801	16	0.12	17,751	0.24	1010801
1010803	20	0.16	19,634	0.27	1010803
1010806	13	0.10	9,770	0.13	1010806
1010901	25	0.19	31,190	0.43	1010901
1010903	13	0.10	4,757	0.06	1010903
1010906	31	0.24	23,570	0.32	1010906
1011001	19	0.15	30,743	0.42	1011001
1011003	11	0.09	18,627	0.25	1011003
1011006	12	0.09	19,695	0.27	1011006
1011201	58	0.45	5,338	0.07	1011201
1011203	58	0.45	2,384	0.03	1011203
1011301	69	0.54	9,509	0.13	1011301
1011303	43	0.33	1,315	0.02	1011303
1011701	28	0.22	12,433	0.17	1011701
1011703	10	0.08	3,103	0.04	1011703
1011706	33	0.26	16,102	0.22	1011706
1011801	35	0.27	5,180	0.07	1011801
1011803	93	0.72	5,276	0.07	1011803
1011901	39	0.30	4,699	0.06	1011901
1011903	13	0.10	1,904	0.03	1011903
1011906	27	0.21	4,879	0.07	1011906
1012001	29	0.23	12,214	0.17	1012001
1012003	14	0.11	3,221	0.04	1012003
1012006	28	0.22	8,451	0.12	1012006
1012101	27	0.21	5,830	0.08	1012101
1012103	16	0.12	2,987	0.04	1012103
1012106	32	0.25	7,277	0.10	1012106
1012201	43	0.33	6,581	0.09	1012201
1012203	9	0.07	1,548	0.02	1012203
1012206	42	0.33	6,649	0.09	1012206
1012301	34	0.26	23,809	0.33	1012301
1012303	17	0.13	8,426	0.12	1012303
1012306	43	0.33	31,513	0.43	1012306
1012401	33	0.26	60,180	0.82	1012401
1012403	13	0.10	11,949	0.16	1012403
1012406	8	0.06	10,288	0.14	1012406
1012501	19	0.15	23,098	0.32	1012501
1012503	12	0.09	18,596	0.25	1012503

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1012506	20	0.16	28,341	0.39	1012506
1012601	23	0.18	14,950	0.20	1012601
1012603	10	0.08	4,597	0.06	1012603
1012606	29	0.23	12,667	0.17	1012606
1012701	33	0.26	8,647	0.12	1012701
1012703	13	0.10	2,819	0.04	1012703
1012706	21	0.16	3,334	0.05	1012706
1012801	38	0.30	3,530	0.05	1012801
1012803	117	0.91	4,093	0.06	1012803
1012901	39	0.30	3,800	0.05	1012901
1012903	72	0.56	2,874	0.04	1012903
1013101	34	0.26	4,801	0.07	1013101
1013103	28	0.22	2,096	0.03	1013103
1023101	46	0.36	7,626	0.10	1023101
1023103	43	0.33	3,840	0.05	1023103
1024801	42	0.33	3,070	0.04	1024801
1024803	62	0.48	3,087	0.04	1024803
1025201	42	0.33	7,353	0.10	1025201
1025203	18	0.14	3,876	0.05	1025203
1025206	28	0.22	5,482	0.07	1025206
1028001	48	0.37	11,347	0.16	1028001
1028003	49	0.38	7,287	0.10	1028003
1030601	42	0.33	9,961	0.14	1030601
1030603	53	0.41	2,188	0.03	1030603
1031001	44	0.34	2,821	0.04	1031001
1031003	62	0.48	1,685	0.02	1031003
1033001	29	0.23	13,707	0.19	1033001
1033003	27	0.21	6,459	0.09	1033003
1036401	61	0.47	5,932	0.08	1036401
1036403	52	0.40	1,155	0.02	1036403
1036601	30	0.23	5,795	0.08	1036601
1036603	7	0.05	1,023	0.01	1036603
1036606	33	0.26	9,187	0.13	1036606
1037801	23	0.18	4,729	0.06	1037801
1037803	26	0.20	5,201	0.07	1037803
1037806	26	0.20	3,916	0.05	1037806
1038501	39	0.30	12,112	0.17	1038501
1038503	11	0.09	2,867	0.04	1038503
1038506	7	0.05	1,592	0.02	1038506
1038701	22	0.17	2,903	0.04	1038701
1038703	13	0.10	1,774	0.02	1038703
1038706	24	0.19	3,503	0.05	1038706
1040501	32	0.25	4,981	0.07	1040501
1040503	10	0.08	1,275	0.02	1040503
1040506	32	0.25	5,014	0.07	1040506
1040701	22	0.17	4,670	0.06	1040701
1040703	17	0.13	3,354	0.05	1040703

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1040706	17	0.13	3,222	0.04	1040706
1050801	59	0.46	12,185	0.17	1050801
1050803	29	0.23	4,175	0.06	1050803
1060701	37	0.29	14,343	0.20	1060701
1060703	13	0.10	6,198	0.08	1060703
1060706	16	0.12	6,385	0.09	1060706
1060901	44	0.34	16,207	0.22	1060901
1060903	9	0.07	5,337	0.07	1060903
1060906	9	0.07	3,316	0.05	1060906
1061201	33	0.26	20,164	0.28	1061201
1061203	12	0.09	6,185	0.08	1061203
1062001	32	0.25	4,523	0.06	1062001
1062003	46	0.36	3,959	0.05	1062003
1062101	47	0.37	21,957	0.30	1062101
1062103	12	0.09	2,893	0.04	1062103
1062201	46	0.36	20,884	0.29	1062201
1062203	16	0.12	6,187	0.08	1062203
1063301	60	0.47	8,627	0.12	1063301
1063303	26	0.20	3,352	0.05	1063303
1080401	65	0.51	8,300	0.11	1080401
1080403	14	0.11	2,222	0.03	1080403
1080503	169	1.32	4,296	0.06	1080503
1080601	78	0.61	10,007	0.14	1080601
1080603	16	0.12	2,936	0.04	1080603
1621503	165	1.28	5,123	0.07	1621503
1713901	66	0.51	10,460	0.14	1713901
1713903	10	0.08	1,389	0.02	1713903
1713906	5	0.04	531	0.01	1713906
1900101	219	1.70	101,501	1.39	1900101
1900103	9	0.07	3,997	0.05	1900103
1900106	16	0.12	8,284	0.11	1900106
1900201	179	1.39	76,089	1.04	1900201
1900203	14	0.11	6,060	0.08	1900203
1900206	18	0.14	5,768	0.08	1900206
1900301	218	1.70	95,082	1.30	1900301
1900303	17	0.13	6,370	0.09	1900303
1900306	33	0.26	12,754	0.17	1900306
1900401	221	1.72	51,955	0.71	1900401
1900403	12	0.09	4,241	0.06	1900403
1900406	11	0.09	1,743	0.02	1900406
2900102	69	0.54	51,634	0.71	2900102
2900105	183	1.42	186,945	2.55	2900105
2900202	34	0.26	31,752	0.43	2900202
2900205	183	1.42	268,227	3.66	2900205
2900302	83	0.65	43,079	0.59	2900302
2900305	208	1.62	146,512	2.00	2900305
3900104	119	0.93	54,358	0.74	3900104

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
3900107	256	1.99	478,027	6.53	3900107
3900204	116	0.90	40,091	0.55	3900204
3900207	275	2.14	394,291	5.39	3900207
3900304	119	0.93	50,682	0.69	3900304
3900307	282	2.19	328,148	4.48	3900307
3900404	328	2.55	47,179	0.64	3900404
6900199	153	1.19	703,209	9.61	6900199
6900299	142	1.11	834,097	11.40	6900299
6900399	157	1.22	671,615	9.18	6900399

ENBGSMPL -**Enrollment by beneficiary category**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
01	4,976	38.73	1,604,678	21.92	Active Duty
02	186	1.45	126,465	1.73	Active Duty fam,Prime,civ PCM
03	1,360	10.58	433,648	5.92	Active Duty fam,Prime,mil PCM
04	368	2.86	158,461	2.17	Active Duty fam,non-enrollee
05	574	4.47	601,684	8.22	Retired,<65,civ PCM
06	3,733	29.05	712,108	9.73	Retired,<65,mil PCM
07	1,128	8.78	1,242,850	16.98	Retired,<65,non-enrollee
08	9	0.07	40,133	0.55	Retired,65+,civ PCM
09	49	0.38	227,422	3.11	Retired,65+,mil PCM
10	393	3.06	1,932,829	26.41	Retired,65+,non-enrollee
11	73	0.57	238,839	3.26	TRICARE Reserve Select

MPCSMPL -**Military personnel category**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	8,799	68.48	5,311,597	72.57	Enlisted/Unknown
2	3,658	28.47	1,759,404	24.04	Officer
3	392	3.05	248,117	3.39	Warrant officer

NHFF -**Stratum sample size**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
61 -- 3573	12,849	100.00	7,319,118	100.00	0--9999

QUARTER -
Survey quarter

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
Q2FY2018	12,849	100.00	7,319,118	100.00	Q2FY2018

D_HEALTH -
Health service region

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
00	151	1.18	60,147	0.82	No region
13	633	4.93	116,204	1.59	Europe
14	487	3.79	139,227	1.90	Pacific
15	135	1.05	35,339	0.48	Latin America & Canada
17	2,953	22.98	2,308,235	31.54	TNEX Region North
18	3,837	29.86	2,427,719	33.17	TNEX Region South
19	4,653	36.21	2,232,247	30.50	TNEX Region West

TNEXREG -
TRICARE next generation of contracts region grouping

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
N	3,045	23.70	2,397,777	32.76	East-North
O	1,369	10.65	317,621	4.34	Other
S	3,752	29.20	2,374,274	32.44	East-South
W	4,683	36.45	2,229,445	30.46	West

BWT -
Basic sampling weight

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
4.025 -- 7.316	1,534	11.94	49,962	0.68	Minimum to 10th Percentile
7.655 -- 13.356	1,692	13.17	150,092	2.05	>10th to 25th Percentile
13.524 -- 33.797	3,342	26.01	658,943	9.00	>25th to 50th Percentile
34.286 -- 78.283	2,971	23.12	1,070,108	14.62	>50th to 75th Percentile
79.865 -- 205.383	2,130	16.58	1,967,304	26.88	>75th to 90th Percentile
206.607 -- 1543.556	1,180	9.18	3,422,708	46.76	>90th to 100th Percentile

**RACEETHN -
Race/Ethnic code**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
	3,325	25.88	3,089,123	42.21	Missing
A	299	2.33	116,265	1.59	American Indian or Alaskan Native or Other
B	586	4.56	245,632	3.36	Asian or Pacific Islander
C	1,114	8.67	461,756	6.31	Black(not Hispanic)
D	5,725	44.56	2,382,327	32.55	White(not Hispanic)
E	912	7.10	339,092	4.63	Hispanic
Z	888	6.91	684,922	9.36	Unknown

**PNSEXCD -
Person gender**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
F	5,493	42.75	3,794,971	51.85	Female
M	7,356	57.25	3,524,147	48.15	Male

**RDAGEQY -
Age at time of sample preparation-Capped (18 and below, 65 and above)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
18	128	1.00	129,301	1.77	18 and younger
19 -- 34	3,874	30.15	2,076,828	28.38	19--34
35 -- 44	2,440	18.99	883,792	12.08	35--44
45 -- 54	2,312	17.99	649,741	8.88	45--54
55 -- 64	3,641	28.34	1,370,154	18.72	55--64
65	454	3.53	2,209,303	30.19	65 and older

**RFLDAGE -
Age at start of fielding period-Capped (18 and below, 65 and above)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
18	92	0.72	89,009	1.22	18 and younger
19 -- 34	3,840	29.89	2,077,061	28.38	19--34
35 -- 44	2,464	19.18	906,244	12.38	35--44
45 -- 54	2,274	17.70	643,026	8.79	45--54
55 -- 64	3,637	28.31	1,347,039	18.40	55--64
65	542	4.22	2,256,740	30.83	65 and older

PCM -**Primary manager code (civilian or military)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
	2,019	15.71	3,596,711	49.14	Missing/Unknown/NA
CIV	1,059	8.24	867,513	11.85	TRICARE enrollee w/civ PCM
MTF	9,771	76.04	2,854,893	39.01	TRICARE enrollee w/mil PCM

ACV -**Alternate care value**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
A	3,746	29.15	1,137,569	15.54	Active Duty Prime
B	43	0.33	8,597	0.12	TRICARE Global Remote Overseas Prime Active Duty
E	5,522	42.98	1,745,627	23.85	Non-Active Duty Prime
G	177	1.38	248,618	3.40	TRICARE Plus (CHAMPUS/TFL Eligible)
H	768	5.98	171,136	2.34	TRICARE Overseas Prime AD
J	98	0.76	34,108	0.47	TRICARE Overseas Prime ADFM
L	7	0.05	1,138	0.02	TRICARE Plus (w/o civilian healthcare)
M	246	1.91	118,695	1.62	AD not reported as enrolled
Q	107	0.83	139,895	1.91	Active Duty enrolled to Op Forces
R	73	0.57	238,839	3.26	TRICARE Reserve Select
U	92	0.72	109,353	1.49	USFHP/USTF
V	24	0.19	7,670	0.10	TRICARE Retired Reserve
Z	1,946	15.15	3,357,872	45.88	Not enrolled in TRICARE Prime or USFHP

DBENCAT -**Beneficiary category**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
ACT	4,352	33.87	1,434,029	19.59	Active Duty
DA	1,665	12.96	622,812	8.51	Dependent of Active Duty
DGR	215	1.67	84,672	1.16	Dependent of Guard/Reserve
DR	2,418	18.82	2,191,760	29.95	Dependent of Retiree
DS	209	1.63	408,973	5.59	Survivor
GRD	559	4.35	145,751	1.99	Guard/Reserve
IDG	51	0.40	103,970	1.42	Dependent of Inactive Guard
IGR	121	0.94	170,856	2.33	Inactive Guard/Reserve
OTH	6	0.05	12,201	0.17	Other
RET	3,253	25.32	2,144,093	29.29	Retiree

DSPONSVC -**Derived sponsor branch of service**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
A	3,721	28.96	2,858,948	39.06	Army
C	339	2.64	223,636	3.06	Coast Guard
F	5,345	41.60	2,171,244	29.67	Air Force
M	681	5.30	544,417	7.44	Marine Corps
N	2,282	17.76	1,307,617	17.87	Navy
V	392	3.05	181,088	2.47	Navy Afloat
X	89	0.69	32,168	0.44	Other

PATCAT -**Aggregated beneficiary category**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
ACTDTY	5,032	39.16	1,750,636	23.92	Active Duty and Guard/Reserve
DEPACT	1,931	15.03	811,455	11.09	Dependent of Active Duty & Guard/Reserve
NADD65+	451	3.51	2,200,385	30.06	Retiree/Depend of Retir/Surviv/Other 65+
NADD<65	5,435	42.30	2,556,642	34.93	Retiree/Depend of Retir/Surviv/Other <65

PNTYPECD -**Person type code**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
D	4,531	35.26	3,387,624	46.28	Dependent
S	8,318	64.74	3,931,494	53.72	Sponsor

H18001 -**Are you the person listed on the cover letter**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	96	0.75	40,958	0.56	Did not answer
1	12,737	99.13	7,266,163	99.28	Yes
2	16	0.12	11,997	0.16	No

H18002A -**Health plan(s) covered: TRICARE Prime**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	10,037	78.12	3,244,961	44.34	Marked
2	2,812	21.88	4,074,157	55.66	Not marked

H18002C -**Health plan(s) covered: TRICARE Select**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	1,185	9.22	1,013,777	13.85	Marked
2	11,664	90.78	6,305,341	86.15	Not marked

H18002N -**Health plan(s) covered: TRICARE Plus**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	109	0.85	61,348	0.84	Marked
2	12,740	99.15	7,257,770	99.16	Not marked

H18002O -**Health plan(s) covered: TRICARE For Life**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	987	7.68	2,275,165	31.09	Marked
2	11,862	92.32	5,043,952	68.91	Not marked

H18002P -**Health plan(s) covered: TRICARE Supplemental Insurance**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	25	0.19	26,977	0.37	Marked
2	12,824	99.81	7,292,141	99.63	Not marked

H18002Q -**Health plan(s) covered: TRICARE Reserve Select**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	135	1.05	237,126	3.24	Marked
2	12,714	98.95	7,081,992	96.76	Not marked

H18002S -**Health plan(s) covered: TRICARE Retired Reserve**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	163	1.27	129,187	1.77	Marked
2	12,686	98.73	7,189,931	98.23	Not marked

H18002T -**Health plan(s) covered: TRICARE Young Adult Prime**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	55	0.43	35,235	0.48	Marked
2	12,794	99.57	7,283,883	99.52	Not marked

H18002V -**Health plan(s) covered: TRICARE Young Adult Extra or Standard**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	27	0.21	28,309	0.39	Marked
2	12,822	99.79	7,290,808	99.61	Not marked

H18002K -**Health plan(s) covered: Uniformed Services Family Health Plan (USFHP)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	80	0.62	86,285	1.18	Marked
2	12,769	99.38	7,232,833	98.82	Not marked

H18002U -**Health plan(s) covered: Continued Health Care Benefit Program (CHCBP)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	8	0.06	7,365	0.10	Marked
2	12,841	99.94	7,311,753	99.90	Not marked

H18002F -**Health plan(s) covered: Medicare**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	843	6.56	2,300,804	31.44	Marked
2	12,006	93.44	5,018,313	68.56	Not marked

H18002G -**Health plan(s) covered: Federal Employees Health Benefit Program (FEHBP)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	198	1.54	192,735	2.63	Marked
2	12,651	98.46	7,126,383	97.37	Not marked

H18002H -
Health plan(s) covered: Medicaid

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	54	0.42	92,521	1.26	Marked
2	12,795	99.58	7,226,597	98.74	Not marked

H18002I -
Health plan(s) covered: civilian HMO

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	95	0.74	67,336	0.92	Marked
2	12,754	99.26	7,251,782	99.08	Not marked

H18002J -
Health plan(s) covered: other civilian health insurance

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	505	3.93	453,402	6.19	Marked
2	12,344	96.07	6,865,716	93.81	Not marked

H18002M -
Health plan(s) covered: Veterans Administration (VA)

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	1,005	7.82	572,803	7.83	Marked
2	11,844	92.18	6,746,314	92.17	Not marked

H18002R -
Health plan(s) covered: other Non-US government health insurance

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	58	0.45	22,242	0.30	Marked
2	12,791	99.55	7,296,876	99.70	Not marked

H18002L -
Health plan(s) covered: not sure

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	802	6.24	412,731	5.64	Marked
2	12,047	93.76	6,906,387	94.36	Not marked

H18003 -**Which health plan did you use most in the past 12 months?**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	20	0.16	7,620	0.10	Did not answer
D	294	2.29	217,893	2.98	Not sure
N	187	1.46	118,774	1.62	Didn't use any health plan in past year
1	9,545	74.29	3,050,848	41.68	TRICARE Prime
3	802	6.24	758,195	10.36	TRICARE Select
4	549	4.27	1,854,821	25.34	Medicare
5	127	0.99	113,635	1.55	Federal Employees Health Benefit Program
6	17	0.13	21,819	0.30	Medicaid
7	66	0.51	47,933	0.65	A civilian HMO
8	387	3.01	344,064	4.70	Other civilian health insurance
9	68	0.53	79,177	1.08	Uniformed Services Family Health Plan
10	381	2.97	266,650	3.64	The Veterans Administration
11	87	0.68	43,798	0.60	TRICARE Plus
12	125	0.97	243,061	3.32	TRICARE Reserve Select
13	57	0.44	31,531	0.43	Govmnt health insrnc frm Non-US cntry
14	83	0.65	70,775	0.97	TRICARE Retired Reserve
15	35	0.27	22,537	0.31	TRICARE Young Adult Prime
16	4	0.03	6,462	0.09	Continued Health Care Benefit Program
17	15	0.12	19,522	0.27	TRICARE Young Adult Extra or Standard

H18004 -**Months or years in a row with health plan**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	34	0.26	18,259	0.25	Did not answer
C	5	0.04	666	0.01	Should be skipped
N	476	3.70	336,002	4.59	Valid skip
1	147	1.14	95,046	1.30	Less than 6 months
2	444	3.46	318,079	4.35	6 up to 12 months
3	832	6.48	502,339	6.86	12 up to 24 months
4	1,845	14.36	1,391,733	19.02	2 up to 5 years
5	2,286	17.79	1,504,816	20.56	5 up to 10 years
6	6,780	52.77	3,152,179	43.07	10 or more years

H18006 -**In last year: have illness/injury/condition that needed care right away**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	6	0.05	1,368	0.02	Did not answer
1	5,848	45.51	3,417,996	46.70	Yes
2	6,995	54.44	3,899,753	53.28	No

H18007 -**In last year: how often got care as soon as you needed it**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	202	1.57	70,765	0.97	Did not answer
C	205	1.60	72,745	0.99	Should be skipped
N	6,790	52.84	3,827,008	52.29	Didn't need care right away in past year
1	212	1.65	75,108	1.03	Never
2	784	6.10	338,291	4.62	Sometimes
3	1,284	9.99	667,815	9.12	Usually
4	3,372	26.24	2,267,384	30.98	Always

H18008 -**In last year: wait between trying to get care and actually seeing a provider for an illness or injury**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	202	1.57	71,594	0.98	Did not answer
C	202	1.57	71,102	0.97	Should be skipped
N	6,793	52.87	3,828,651	52.31	Didn't need care right away in past year
1	3,015	23.46	2,076,947	28.38	Same day
2	817	6.36	452,319	6.18	1 day
3	530	4.12	254,891	3.48	2 days
4	252	1.96	121,902	1.67	3 days
5	501	3.90	204,427	2.79	4 to 7 days
6	268	2.09	123,921	1.69	8 to 14 days
7	269	2.09	113,363	1.55	15 days or longer

H18009 -**In last year: made appointments for non-urgent health care**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	14	0.11	4,807	0.07	Did not answer
1	10,758	83.73	6,272,446	85.70	Yes
2	2,077	16.16	1,041,865	14.23	No

H18010 -**In last year: how often got appointments for non-urgent health care as soon as you needed**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	259	2.02	100,328	1.37	Did not answer
C	59	0.46	32,042	0.44	Should be skipped
N	2,018	15.71	1,009,823	13.80	Didn't have appointment in past year
1	551	4.29	200,785	2.74	Never
2	2,381	18.53	1,057,866	14.45	Sometimes
3	3,281	25.54	1,738,739	23.76	Usually
4	4,300	33.47	3,179,534	43.44	Always

H18011 -**In last year: days between making an appointment and actually seeing a provider for non-urgent health care**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	251	1.95	115,603	1.58	Did not answer
C	61	0.47	32,211	0.44	Should be skipped
N	2,016	15.69	1,009,654	13.79	Didn't have an appointment in past year
1	608	4.73	473,209	6.47	Same day
2	828	6.44	573,908	7.84	1 day
3	2,205	17.16	1,380,300	18.86	2 to 3 days
4	2,524	19.64	1,400,366	19.13	4 to 7 days
5	2,243	17.46	1,096,702	14.98	8 to 14 days
6	1,596	12.42	795,120	10.86	15 to 30 days
7	517	4.02	442,043	6.04	31 days or longer

H18012 -**In last year: times went to an emergency room for yourself**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	47	0.37	27,280	0.37	Did not answer
1	9,340	72.69	5,226,497	71.41	None
2	2,242	17.45	1,330,613	18.18	1 time
3	755	5.88	435,762	5.95	2 times
4	271	2.11	174,218	2.38	3 times
5	122	0.95	87,847	1.20	4 times
6	63	0.49	31,471	0.43	5 to 9 times
7	9	0.07	5,430	0.07	10 or more times

H18013 -**In last year: times went to doctor's office or clinic for self (not counting times went to an ER)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	27	0.21	8,323	0.11	Did not answer
1	1,897	14.76	921,852	12.60	None
2	1,670	13.00	823,185	11.25	1 time
3	2,370	18.45	1,229,223	16.79	2 times
4	2,062	16.05	1,119,021	15.29	3 times
5	1,653	12.86	1,043,900	14.26	4 times
6	2,184	17.00	1,489,308	20.35	5 to 9 times
7	986	7.67	684,307	9.35	10 or more times

H18014 -**In last year: how often talk to doctor or other health care provider about illness prevention**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	100	0.78	43,996	0.60	Did not answer
C	74	0.58	27,693	0.38	Should be skipped
N	1,823	14.19	894,159	12.22	Valid skip
1	1,674	13.03	769,917	10.52	Never
2	3,074	23.92	1,595,048	21.79	Sometimes
3	2,885	22.45	1,867,879	25.52	Usually
4	3,219	25.05	2,120,425	28.97	Always

H18015 -**In last year: doctor or other health care provider talked about more than 1 choice for treatment**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	26	0.20	6,894	0.09	Did not answer
C	69	0.54	23,885	0.33	Should be skipped
N	1,828	14.23	897,967	12.27	Valid skip
1	6,457	50.25	3,915,729	53.50	Yes
2	4,469	34.78	2,474,642	33.81	No

H18016 -**In last year: doctor talked about pros/cons of each treatment/health care choice**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	100	0.78	36,426	0.50	Did not answer
C	65	0.51	23,279	0.32	Should be skipped
N	6,301	49.04	3,373,216	46.09	Valid skip
1	4,188	32.59	2,653,059	36.25	Definitely yes
2	1,870	14.55	1,076,503	14.71	Somewhat yes
3	241	1.88	106,251	1.45	Somewhat no
4	84	0.65	50,383	0.69	Definitely no

H18017 -

In last year: dr asked which treatment option you thought was best when more than one choice of treatment

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	102	0.79	37,756	0.52	Did not answer
C	63	0.49	23,245	0.32	Should be skipped
N	6,303	49.05	3,373,249	46.09	Valid skip
1	3,644	28.36	2,347,648	32.08	Definitely yes
2	2,049	15.95	1,179,830	16.12	Somewhat yes
3	450	3.50	225,914	3.09	Somewhat no
4	238	1.85	131,475	1.80	Definitely no

H18018 -

Rating of all health care in last year

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	51	0.40	26,542	0.36	Did not answer
C	72	0.56	28,628	0.39	Should be skipped
N	1,825	14.20	893,224	12.20	I had no visits in the last 12 months
0	69	0.54	43,845	0.60	0
1	82	0.64	32,530	0.44	1
2	134	1.04	45,486	0.62	2
3	230	1.79	102,882	1.41	3
4	289	2.25	118,009	1.61	4
5	734	5.71	309,160	4.22	5
6	743	5.78	350,186	4.78	6
7	1,499	11.67	678,118	9.27	7
8	2,491	19.39	1,311,105	17.91	8
9	2,116	16.47	1,270,206	17.35	9
10	2,514	19.57	2,109,197	28.82	10

H18033 -

In last year: how often easy to get care, tests, or treatment you needed

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	42	0.33	16,630	0.23	Did not answer
C	71	0.55	29,004	0.40	Should be skipped
N	1,826	14.21	892,848	12.20	Didn't need care/tests/treatment
1	328	2.55	125,708	1.72	Never
2	2,135	16.62	903,880	12.35	Sometimes
3	4,098	31.89	2,107,594	28.80	Usually
4	4,349	33.85	3,243,454	44.31	Always

H18019 -**Have one person you think of as your personal doctor**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	9	0.07	1,365	0.02	Did not answer
1	9,019	70.19	5,811,404	79.40	Yes
2	3,821	29.74	1,506,349	20.58	No

H18020 -**In last year: number of times visited personal doctor for care for self**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	86	0.67	28,879	0.39	Did not answer
C	10	0.08	927	0.01	Should be skipped
N	3,811	29.66	1,505,422	20.57	Valid skip
0	992	7.72	462,854	6.32	None
1	1,968	15.32	1,095,173	14.96	1
2	2,297	17.88	1,547,006	21.14	2
3	1,475	11.48	1,019,309	13.93	3
4	1,052	8.19	888,601	12.14	4
5	948	7.38	640,260	8.75	5 to 9
6	210	1.63	130,685	1.79	10 or more

H18021 -**In last year: how often personal doctor listened carefully to you**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	118	0.92	56,581	0.77	Did not answer
C	53	0.41	15,758	0.22	Should be skipped
N	4,760	37.05	1,953,446	26.69	I had no visits in the last 12 months
1	84	0.65	45,823	0.63	Never
2	651	5.07	340,746	4.66	Sometimes
3	1,520	11.83	883,330	12.07	Usually
4	5,663	44.07	4,023,435	54.97	Always

H18022 -**In last year: how often personal doctor explained things in a way that was easy to understand**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	138	1.07	86,461	1.18	Did not answer
C	51	0.40	14,874	0.20	Should be skipped
N	4,762	37.06	1,954,330	26.70	I had no visits in the last 12 months
1	68	0.53	23,367	0.32	Never
2	395	3.07	238,847	3.26	Sometimes
3	1,542	12.00	958,874	13.10	Usually
4	5,893	45.86	4,042,365	55.23	Always

H18023 -**In last year: how often your personal doctor showed respect for what you have to say**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	137	1.07	67,898	0.93	Did not answer
C	49	0.38	13,453	0.18	Should be skipped
N	4,764	37.08	1,955,750	26.72	I had no visits in the last 12 months
1	95	0.74	47,064	0.64	Never
2	440	3.42	256,455	3.50	Sometimes
3	1,172	9.12	713,603	9.75	Usually
4	6,192	48.19	4,264,894	58.27	Always

H18024 -**In last year: how often your personal doctor spent enough time with you**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	129	1.00	57,177	0.78	Did not answer
C	49	0.38	13,453	0.18	Should be skipped
N	4,764	37.08	1,955,750	26.72	I had no visits in the last 12 months
1	200	1.56	99,178	1.36	Never
2	713	5.55	335,900	4.59	Sometimes
3	1,865	14.51	1,183,480	16.17	Usually
4	5,129	39.92	3,674,179	50.20	Always

H18025 -**In last year: got care from doctor or other health provider other than personal doctor**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	74	0.58	25,082	0.34	Did not answer
C	1,004	7.81	464,749	6.35	Should be skipped
N	3,809	29.64	1,504,455	20.56	Valid skip
1	5,957	46.36	4,055,425	55.41	Yes
2	2,005	15.60	1,269,407	17.34	No

H18026 -

In last year: how often personal doctor seemed informed and up-to-date about care received from other drs

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	163	1.27	57,066	0.78	Did not answer
C	504	3.92	243,036	3.32	Should be skipped
N	6,314	49.14	2,995,574	40.93	Valid skip
1	661	5.14	280,996	3.84	Never
2	1,091	8.49	597,404	8.16	Sometimes
3	1,750	13.62	1,261,482	17.24	Usually
4	2,366	18.41	1,883,559	25.73	Always

H18027 -

Rating of your personal doctor

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	213	1.66	84,502	1.15	Did not answer
C	10	0.08	624	0.01	Should be skipped
N	3,811	29.66	1,505,726	20.57	Don't have a personal doctor
0	68	0.53	38,198	0.52	0
1	69	0.54	33,626	0.46	1
2	85	0.66	34,614	0.47	2
3	155	1.21	69,372	0.95	3
4	149	1.16	57,499	0.79	4
5	478	3.72	240,342	3.28	5
6	362	2.82	198,152	2.71	6
7	850	6.62	457,017	6.24	7
8	1,595	12.41	874,343	11.95	8
9	2,034	15.83	1,353,255	18.49	9
10	2,970	23.11	2,371,848	32.41	10

H18028 -

In last year: tried to make appointment to see a specialist

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	9	0.07	3,052	0.04	Did not answer
1	7,521	58.53	4,520,604	61.76	Yes
2	5,319	41.40	2,795,461	38.19	No

H18029 -**In last year: how often did you get an appointment with specialist as soon as needed**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	81	0.63	35,916	0.49	Did not answer
C	50	0.39	9,368	0.13	Should be skipped
N	5,269	41.01	2,786,093	38.07	Didn't need a specialist
1	597	4.65	248,315	3.39	Never
2	1,402	10.91	642,702	8.78	Sometimes
3	2,149	16.73	1,362,932	18.62	Usually
4	3,301	25.69	2,233,791	30.52	Always

H18030 -**In last year: how many specialists seen**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	45	0.35	13,088	0.18	Did not answer
C	50	0.39	10,072	0.14	Should be skipped
N	5,269	41.01	2,785,390	38.06	Valid skip
0	300	2.33	133,719	1.83	None
1	3,129	24.35	1,566,025	21.40	1 specialist
2	2,324	18.09	1,436,537	19.63	2
3	1,054	8.20	823,067	11.25	3
4	383	2.98	300,451	4.11	4
5	295	2.30	250,770	3.43	5 or more specialists

H18031 -**Rating of specialist seen most often in last year**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	65	0.51	24,386	0.33	Did not answer
C	61	0.47	16,128	0.22	Should be skipped
N	5,558	43.26	2,913,052	39.80	Didn't see specialist in last 12 months
0	53	0.41	27,674	0.38	0
1	38	0.30	10,479	0.14	1
2	55	0.43	24,973	0.34	2
3	99	0.77	46,557	0.64	3
4	88	0.68	28,585	0.39	4
5	278	2.16	147,248	2.01	5
6	285	2.22	143,896	1.97	6
7	618	4.81	327,856	4.48	7
8	1,306	10.16	712,060	9.73	8
9	1,746	13.59	984,950	13.46	9
10	2,599	20.23	1,911,275	26.11	10

H18034 -

In last year: looked for information in written material or on the Internet about how health plan works

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	102	0.79	62,434	0.85	Did not answer
1	4,322	33.64	2,440,254	33.34	Yes
2	8,425	65.57	4,816,429	65.81	No

H18035 -

In last year: how often written material/Internet provide information you needed about how your plan works

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	128	1.00	72,877	1.00	Did not answer
C	94	0.73	38,158	0.52	Should be skipped
N	8,331	64.84	4,778,272	65.28	Didn't look for information
1	217	1.69	86,642	1.18	Never
2	1,452	11.30	750,414	10.25	Sometimes
3	1,806	14.06	1,050,507	14.35	Usually
4	821	6.39	542,249	7.41	Always

H18036 -

In last year: looked for information from health plan on cost of health care service or equipment

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	107	0.83	63,675	0.87	Did not answer
1	2,154	16.76	1,238,388	16.92	Yes
2	10,588	82.40	6,017,055	82.21	No

H18037 -

In last year: how often able to find out from health plan cost of health care service or equipment

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	122	0.95	71,075	0.97	Did not answer
C	146	1.14	71,714	0.98	Should be skipped
N	10,442	81.27	5,945,341	81.23	Didn't need hlth care service/equipmnt
1	364	2.83	189,599	2.59	Never
2	618	4.81	311,739	4.26	Sometimes
3	627	4.88	378,770	5.18	Usually
4	530	4.12	350,879	4.79	Always

H18038 -**In last year: looked for information from health plan on cost of prescription medications**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	107	0.83	63,958	0.87	Did not answer
1	1,925	14.98	1,435,804	19.62	Yes
2	10,817	84.19	5,819,357	79.51	No

H18039 -**In last year: how often able to find out cost of prescription medications**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	121	0.94	68,522	0.94	Did not answer
C	64	0.50	27,072	0.37	Should be skipped
N	10,753	83.69	5,792,285	79.14	Didn't need prescription meds/no info
1	306	2.38	162,443	2.22	Never
2	480	3.74	303,767	4.15	Sometimes
3	506	3.94	388,292	5.31	Usually
4	619	4.82	576,736	7.88	Always

H18040 -**In last year: tried to get information or help from health plan's customer service**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	111	0.86	73,445	1.00	Did not answer
1	3,502	27.26	1,935,091	26.44	Yes
2	9,236	71.88	5,310,582	72.56	No

H18041 -**In last year: how often did customer service give needed information or help**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	164	1.28	109,715	1.50	Did not answer
C	78	0.61	35,111	0.48	Should be skipped
N	9,158	71.27	5,275,471	72.08	Didn't call hlth plan's customer service
1	273	2.12	116,078	1.59	Never
2	859	6.69	417,919	5.71	Sometimes
3	1,008	7.84	523,177	7.15	Usually
4	1,309	10.19	841,646	11.50	Always

H18042 -**In last year: how often did customer service treat with courtesy and respect**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	169	1.32	104,360	1.43	Did not answer
C	77	0.60	35,445	0.48	Should be skipped
N	9,159	71.28	5,275,137	72.07	Didn't call hlth plan's customer service
1	76	0.59	48,011	0.66	Never
2	346	2.69	168,197	2.30	Sometimes
3	833	6.48	424,243	5.80	Usually
4	2,189	17.04	1,263,725	17.27	Always

H18043 -**In last year: health plan gave forms to fill out**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	105	0.82	71,510	0.98	Did not answer
1	3,198	24.89	1,590,307	21.73	Yes
2	9,546	74.29	5,657,301	77.29	No

H18044 -**In last year: how often forms from health plan were easy to fill out**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	137	1.07	91,035	1.24	Did not answer
C	203	1.58	65,131	0.89	Should be skipped
N	9,343	72.71	5,592,170	76.40	Didn't have experience with paperwork
1	107	0.83	43,106	0.59	Never
2	457	3.56	197,418	2.70	Sometimes
3	1,349	10.50	655,517	8.96	Usually
4	1,253	9.75	674,741	9.22	Always

H18045 -**In last year: sent in any claims to your health plan**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	108	0.84	69,881	0.95	Did not answer
D	3,050	23.74	1,569,842	21.45	Don't know
1	4,503	35.05	3,296,729	45.04	Yes
2	5,188	40.38	2,382,666	32.55	No

H18046 -**In last year: how often health plan handled claims quickly**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	172	1.34	108,139	1.48	Did not answer
C	116	0.90	37,922	0.52	Should be skipped
D	698	5.43	487,549	6.66	Don't know
N	8,122	63.21	3,914,585	53.48	No claims sent for me in past year
1	190	1.48	99,732	1.36	Never
2	416	3.24	247,389	3.38	Sometimes
3	1,279	9.95	989,919	13.53	Usually
4	1,856	14.44	1,433,883	19.59	Always

H18047 -**In last year: how often health plan handled claims correctly**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	161	1.25	95,768	1.31	Did not answer
C	105	0.82	36,588	0.50	Should be skipped
D	585	4.55	404,144	5.52	Don't know
N	8,133	63.30	3,915,920	53.50	No claims sent for me in past year
1	112	0.87	61,717	0.84	Never
2	401	3.12	246,426	3.37	Sometimes
3	1,231	9.58	854,446	11.67	Usually
4	2,121	16.51	1,704,109	23.28	Always

H18048 -**Rating of all experience with health plan**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	185	1.44	122,067	1.67	Did not answer
0	102	0.79	43,901	0.60	0
1	70	0.54	44,007	0.60	1
2	124	0.97	56,953	0.78	2
3	234	1.82	107,496	1.47	3
4	261	2.03	94,970	1.30	4
5	972	7.56	424,836	5.80	5
6	807	6.28	376,085	5.14	6
7	1,818	14.15	833,303	11.39	7
8	2,694	20.97	1,372,213	18.75	8
9	2,575	20.04	1,542,040	21.07	9
10	3,007	23.40	2,301,247	31.44	10

H18049 -**Blood pressure: when last reading**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	222	1.73	153,519	2.10	Did not answer
1	217	1.69	100,834	1.38	More than 2 years ago
2	678	5.28	352,739	4.82	1 to 2 years ago
3	11,732	91.31	6,712,025	91.71	Less than 12 months ago

H18050 -**Blood pressure: know if blood pressure is too high or not**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	190	1.48	140,190	1.92	Did not answer
1	1,952	15.19	1,273,286	17.40	Yes, it's too high
2	9,968	77.58	5,504,089	75.20	No, it's not too high
3	739	5.75	401,553	5.49	Don't know

H18051 -**When did you last have a flu shot**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	200	1.56	128,048	1.75	Did not answer
1	829	6.45	552,821	7.55	Never had a flu shot
2	1,419	11.04	699,550	9.56	More than 2 years ago
3	1,203	9.36	646,169	8.83	1 to 2 years ago
4	9,198	71.59	5,292,530	72.31	Less than 12 months ago

H18052 -**Smoked at least 100 cigarettes in life**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	202	1.57	135,062	1.85	Did not answer
D	255	1.98	151,425	2.07	Don't know
1	3,775	29.38	2,406,847	32.88	Yes
2	8,617	67.06	4,625,783	63.20	No

H18053 -**Smoke or use tobacco every day, some days, or not at all**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	175	1.36	108,281	1.48	Did not answer
D	73	0.57	32,930	0.45	Don't know
2	11,180	87.01	6,516,203	89.03	Not at all
3	683	5.32	313,224	4.28	Some days
4	738	5.74	348,480	4.76	Every day

H18054 -**Last year: how often advised by doctor to quit smoking or using tobacco**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	168	1.31	105,726	1.44	Did not answer
C	177	1.38	53,234	0.73	Should be skipped
N	11,076	86.20	6,495,899	88.75	Valid skip
1	293	2.28	157,840	2.16	Never
2	314	2.44	131,618	1.80	Sometimes
3	301	2.34	135,770	1.86	Usually
4	520	4.05	239,031	3.27	Always

H18055 -**Last year: how often medication recommended or discussed by dr to assist with quitting smoking or using tobacco**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	170	1.32	108,796	1.49	Did not answer
C	131	1.02	40,190	0.55	Should be skipped
N	11,122	86.56	6,508,943	88.93	Valid skip
1	645	5.02	305,948	4.18	Never
2	331	2.58	141,476	1.93	Sometimes
3	219	1.70	101,039	1.38	Usually
4	231	1.80	112,725	1.54	Always

H18056 -**Last year: how often dr recommended/discussed methods and strategies to assist quitting smoking or using tobacco**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	163	1.27	106,327	1.45	Did not answer
C	106	0.82	34,739	0.47	Should be skipped
N	11,147	86.75	6,514,394	89.01	Valid skip
1	641	4.99	334,223	4.57	Never
2	348	2.71	141,469	1.93	Sometimes
3	223	1.74	104,000	1.42	Usually
4	221	1.72	83,966	1.15	Always

H18057A -**Do you smoke or use: cigarettes**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
N	11,253	87.58	6,549,133	89.48	Valid skip
1	908	7.07	445,161	6.08	Marked
2	688	5.35	324,823	4.44	Not marked

H18057B -**Do you smoke or use: dip, chewing tobacco, snuff, or snus**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
C	1	0.01	15	0.00	Should be skipped
N	11,252	87.57	6,549,118	89.48	Valid skip
1	417	3.25	176,019	2.40	Marked
2	1,179	9.18	593,966	8.12	Not marked

H18057C -**Do you smoke or use: cigars**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
N	11,253	87.58	6,549,133	89.48	Valid skip
1	234	1.82	104,195	1.42	Marked
2	1,362	10.60	665,789	9.10	Not marked

H18057D -**Do you smoke or use: pipes, bidis, or kreteks**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
N	11,253	87.58	6,549,133	89.48	Valid skip
1	66	0.51	32,828	0.45	Marked
2	1,530	11.91	737,157	10.07	Not marked

H18058 -**Are you male or female**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	154	1.20	101,580	1.39	Did not answer
1	7,317	56.95	3,532,288	48.26	Male
2	5,378	41.86	3,685,249	50.35	Female

H18059B -**Female: last have a Pap smear test**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	101	0.79	76,011	1.04	Did not answer
C	27	0.21	6,744	0.09	Should be skipped
N	7,365	57.32	3,563,934	48.69	Valid skip
1	237	1.84	235,546	3.22	Never had a Pap smear test
2	604	4.70	694,775	9.49	5 or more years ago
3	465	3.62	291,612	3.98	More than 3 but less than 5 years ago
4	614	4.78	361,597	4.94	More than 2 but less than 3 years ago
5	1,531	11.92	856,005	11.70	1 to 2 years ago
6	1,905	14.83	1,232,893	16.84	Within the last 12 months

H18060 -**Female: are you under age 40**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
C	40	0.31	7,507	0.10	Should be skipped
N	7,352	57.22	3,563,171	48.68	Valid skip
1	2,097	16.32	1,301,162	17.78	Yes
2	3,360	26.15	2,447,278	33.44	No

H18061 -**Female: last time breasts checked by mammography**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	169	1.32	76,963	1.05	Did not answer
C	128	1.00	60,875	0.83	Should be skipped
N	9,361	72.85	4,810,964	65.73	Valid skip
1	165	1.28	108,048	1.48	Never had a mammogram
2	130	1.01	159,077	2.17	5 or more years ago
3	248	1.93	188,515	2.58	More than 2 less than 5 years ago
4	663	5.16	407,438	5.57	1 to 2 years ago
5	1,985	15.45	1,507,237	20.59	Within the last 12 months

H18062 -**Female: been pregnant in last year or pregnant now**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	78	0.61	64,897	0.89	Did not answer
C	19	0.15	5,106	0.07	Should be skipped
N	7,373	57.38	3,565,572	48.72	Valid skip
1	171	1.33	80,027	1.09	Yes, currently pregnant
2	287	2.23	162,952	2.23	No, not currently pregnant but have been
3	4,921	38.30	3,440,564	47.01	No, not currently pregnant/have not been

H18063 -**Female: in what trimester is your pregnancy**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	79	0.61	65,364	0.89	Did not answer
C	5	0.04	736	0.01	Should be skipped
N	12,595	98.02	7,173,458	98.01	Valid skip
1	46	0.36	23,833	0.33	First trimester
2	68	0.53	29,188	0.40	Second trimester
3	56	0.44	26,540	0.36	Third trimester

H18064 -**Female: trimester first received prenatal care**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	82	0.64	67,363	0.92	Did not answer
C	14	0.11	5,514	0.08	Should be skipped
N	12,345	96.08	7,029,561	96.04	Valid skip
1	25	0.19	18,721	0.26	Did not receive prenatal care
3	20	0.16	10,790	0.15	Second trimester
4	363	2.83	187,169	2.56	First trimester

H18065 -**In general how would you rate your overall health**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	207	1.61	148,656	2.03	Did not answer
1	187	1.46	159,802	2.18	Poor
2	1,175	9.14	813,975	11.12	Fair
3	4,441	34.56	2,395,014	32.72	Good
4	4,927	38.35	2,757,112	37.67	Very Good
5	1,912	14.88	1,044,558	14.27	Excellent

**SREDA -
Highest grade completed**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	234	1.82	149,046	2.04	Did not answer
1	131	1.02	163,688	2.24	Did not graduate high school
3	1,621	12.62	1,249,140	17.07	High school graduate or GED
4	4,942	38.46	2,848,906	38.92	Some college or 2-year degree
5	2,595	20.20	1,245,125	17.01	4-year college graduate
6	3,326	25.89	1,663,213	22.72	More than 4-year college degree

**H18073 -
Are you Spanish, Hispanic, or Latino**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	436	3.39	280,976	3.84	Did not answer
1	10,793	84.00	6,282,454	85.84	No, Not Spanish, Hispanic, or Latino
2	666	5.18	308,607	4.22	Yes, Mexican, Mexican American, Chicano
3	404	3.14	148,424	2.03	Yes, Puerto Rican
4	550	4.28	298,656	4.08	Yes, Cuban or other Spanish, Hispanic, or Latino

**H18073A -
No, not Spanish, Hispanic, or Latino**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	10,845	84.40	6,303,616	86.13	Marked
2	2,004	15.60	1,015,501	13.87	Not marked

**H18073B -
Yes, Mexican, Mexican American, Chicano**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	666	5.18	308,607	4.22	Marked
2	12,183	94.82	7,010,511	95.78	Not marked

**H18073C -
Yes, Puerto Rican**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	453	3.53	175,049	2.39	Marked
2	12,396	96.47	7,144,069	97.61	Not marked

H18073D -**Yes, Cuban or other Spanish, Hispanic, or Latino**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	657	5.11	353,389	4.83	Marked
2	12,192	94.89	6,965,729	95.17	Not marked

SRRACEA -**Race: White**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	9,692	75.43	5,730,340	78.29	Marked
2	3,157	24.57	1,588,778	21.71	Not marked

SRRACEB -**Race: Black or African American**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	1,611	12.54	804,907	11.00	Marked
2	11,238	87.46	6,514,211	89.00	Not marked

SRRACEC -**Race: American Indian or Alaska Native or Native Hawaiian/other Pacific Islander**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	632	4.92	328,264	4.49	Marked
2	12,217	95.08	6,990,854	95.51	Not marked

SRRACED -**Race: Asian**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	1,124	8.75	517,578	7.07	Marked
2	11,725	91.25	6,801,540	92.93	Not marked

SRAGE -**What is your age now?**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	220	1.71	144,911	1.98	Did not answer
1	1,231	9.58	933,726	12.76	18 to 24
2	2,532	19.71	1,119,421	15.29	25 to 34
3	2,432	18.93	893,617	12.21	35 to 44
4	2,250	17.51	641,288	8.76	45 to 54
5	3,568	27.77	1,328,652	18.15	55 to 64
6	428	3.33	1,380,461	18.86	65 to 74
7	188	1.46	877,040	11.98	75 or older

S18009 -**Had the same personal doctor before joining this health plan**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	89	0.69	29,062	0.40	Did not answer
C	21	0.16	3,542	0.05	Should be skipped
N	3,800	29.57	1,502,808	20.53	Valid skip
1	1,497	11.65	1,653,313	22.59	Yes
2	7,442	57.92	4,130,393	56.43	No

S18010 -**Since joined health plan, how much of a problem, if any, was it to get personal doctor you are happy with?**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	347	2.70	118,410	1.62	Did not answer
C	99	0.77	36,599	0.50	Should be skipped
N	1,398	10.88	1,616,714	22.09	Valid skip
1	1,530	11.91	681,063	9.31	A big problem
2	2,753	21.43	1,304,988	17.83	A small problem
3	6,722	52.32	3,561,344	48.66	Not a problem

S18011 -**Agree/disagree: Able to see provider when needed**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	227	1.77	153,102	2.09	Did not answer
1	730	5.68	346,754	4.74	Strongly disagree
2	1,005	7.82	400,567	5.47	Disagree
3	1,613	12.55	774,985	10.59	Neither agree nor disagree
4	5,626	43.79	2,843,195	38.85	Agree
5	3,648	28.39	2,800,516	38.26	Strongly agree

S18014 -**How satisfied with health care during last visit**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	227	1.77	148,614	2.03	Did not answer
1	429	3.34	243,027	3.32	Completely dissatisfied
2	735	5.72	287,972	3.93	Somewhat dissatisfied
3	1,138	8.86	567,832	7.76	Neither satisfied nor dissatisfied
4	3,785	29.46	1,799,529	24.59	Somewhat satisfied
5	6,535	50.86	4,272,145	58.37	Completely satisfied

S18BF4 -**How often do you use e-cigarettes**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	208	1.62	123,006	1.68	Did not answer
D	40	0.31	21,109	0.29	Don't know
1	182	1.42	92,259	1.26	Every day
2	277	2.16	107,095	1.46	Some days
3	12,142	94.50	6,975,650	95.31	Not at all

ONTIME -**Responded within 8 weeks of mail-out**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
YES	12,849	100.00	7,319,118	100.00	Yes

FLAG_FIN -**Final disposition**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	12,849	100.00	7,319,118	100.00	Returned survey

DUPFLAG -**Multiple response indicator**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
NO	12,818	99.76	7,308,942	99.86	No
YES	31	0.24	10,176	0.14	Yes

FNSTATUS -**Final status**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
11	12,849	100.00	7,319,118	100.00	Elig, return complete

KEYCOUNT -**Number of key questions answered**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
10	5	0.04	1,551	0.02	10
11	99	0.77	69,645	0.95	11
12	7	0.05	440	0.01	12
13	9	0.07	1,717	0.02	13
14	38	0.30	30,347	0.41	14
15	15	0.12	5,039	0.07	15
16	45	0.35	29,855	0.41	16
17	58	0.45	29,001	0.40	17
18	213	1.66	106,494	1.46	18
19	713	5.55	403,098	5.51	19
20	11,647	90.65	6,641,931	90.75	20

WEB -**Web survey indicator**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	1,964	15.29	636,804	8.70	No
1	10,885	84.71	6,682,313	91.30	Yes

SURVTYPE -**Web or Mail Survey**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
2	10,885	84.71	6,682,313	91.30	Web survey
8	1,964	15.29	636,804	8.70	Mail survey

N1 -**Coding Scheme Note 1**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	12,348	96.10	6,974,830	95.30	1
2	5	0.04	666	0.01	2
3	476	3.70	336,002	4.59	3
4	20	0.16	7,620	0.10	4

N2 -
Coding Scheme Note 2

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	162	1.26	50,576	0.69	1
2	42	0.33	24,368	0.33	2
3	44	0.34	14,450	0.20	3
4	5,566	43.32	3,326,861	45.45	4
5	19	0.15	6,656	0.09	5
6	76	0.59	26,109	0.36	6
7	6,934	53.97	3,868,730	52.86	7
8	6	0.05	1,368	0.02	8

N3 -
Coding Scheme Note 3

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	159	1.24	49,601	0.68	1
2	44	0.34	23,846	0.33	2
3	98	0.76	61,892	0.85	3
4	10,472	81.50	6,151,121	84.04	4
5	5	0.04	2,306	0.03	5
6	29	0.23	9,832	0.13	6
7	2,028	15.78	1,015,713	13.88	7
8	14	0.11	4,807	0.07	8

N4 -
Coding Scheme Note 4

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	1,897	14.76	921,852	12.60	1
3	10,925	85.03	6,388,943	87.29	3
4	6	0.05	1,026	0.01	4
5	21	0.16	7,296	0.10	5

N5 -
Coding Scheme Note 5

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	1,897	14.76	921,852	12.60	1
2	6,407	49.86	3,895,639	53.23	2
3	43	0.33	17,839	0.24	3
4	7	0.05	2,250	0.03	4
5	4,469	34.78	2,474,642	33.81	5
6	26	0.20	6,894	0.09	6

N6 -
Coding Scheme Note 6

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	8,976	69.86	5,801,713	79.27	1
2	41	0.32	7,687	0.11	2
3	2	0.02	2,003	0.03	3
4	2	0.02	287	0.00	4
5	3,819	29.72	1,506,063	20.58	5
7	9	0.07	1,365	0.02	7

N7 -
Coding Scheme Note 7

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	3,821	29.74	1,506,349	20.58	1
2	990	7.70	462,180	6.31	2
3	2	0.02	675	0.01	3
4	8,036	62.54	5,349,914	73.10	4

N8 -
Coding Scheme Note 8

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	4,813	37.46	1,969,204	26.90	1
2	5,894	45.87	4,036,801	55.15	2
3	63	0.49	18,624	0.25	3
4	2,005	15.60	1,269,407	17.34	4
5	74	0.58	25,082	0.34	5

N8_01 -
Coding Scheme Note 8_01

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	3,821	29.74	1,506,349	20.58	1
2	1,497	11.65	1,653,313	22.59	2
3	7,442	57.92	4,130,393	56.43	3
4	89	0.69	29,062	0.40	4

**N9 -
Coding Scheme Note 9**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	7,480	58.21	4,501,928	61.51	1
2	41	0.32	18,677	0.26	2
3	5,317	41.38	2,795,140	38.19	3
4	2	0.02	322	0.00	4
5	9	0.07	3,052	0.04	5

**N10 -
Coding Scheme Note 10**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	5,319	41.40	2,795,461	38.19	1
2	7,185	55.92	4,376,850	59.80	2
3	11	0.09	6,131	0.08	3
4	289	2.25	127,587	1.74	4
5	45	0.35	13,088	0.18	5

**N12 -
Coding Scheme Note 12**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	4,280	33.31	2,427,882	33.17	1
2	26	0.20	20,234	0.28	2
3	42	0.33	12,372	0.17	3
4	8,399	65.37	4,796,195	65.53	4
5	102	0.79	62,434	0.85	5

**N13 -
Coding Scheme Note 13**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	2,034	15.83	1,204,863	16.46	1
2	52	0.40	35,080	0.48	2
3	120	0.93	33,525	0.46	3
4	10,536	82.00	5,981,975	81.73	4
5	107	0.83	63,675	0.87	5

N14 -**Coding Scheme Note 14**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	1,798	13.99	1,401,237	19.14	1
2	25	0.19	12,219	0.17	2
3	127	0.99	34,566	0.47	3
4	10,792	83.99	5,807,138	79.34	4
5	107	0.83	63,958	0.87	5

N15 -**Coding Scheme Note 15**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	3,440	26.77	1,916,826	26.19	1
2	16	0.12	9,396	0.13	2
3	62	0.48	18,264	0.25	3
4	9,220	71.76	5,301,186	72.43	4
5	111	0.86	73,445	1.00	5

N16 -**Coding Scheme Note 16**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	3,098	24.11	1,556,826	21.27	1
2	22	0.17	8,491	0.12	2
3	100	0.78	33,480	0.46	3
4	9,524	74.12	5,648,810	77.18	4
5	105	0.82	71,510	0.98	5

N17 -**Coding Scheme Note 17**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	4,419	34.39	3,265,761	44.62	1
2	33	0.26	11,874	0.16	2
3	84	0.65	30,967	0.42	3
4	5,155	40.12	2,370,792	32.39	4
5	3,050	23.74	1,569,842	21.45	5
6	108	0.84	69,881	0.95	6

N18 -**Coding Scheme Note 18**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	1,575	12.26	762,991	10.42	1
2	11,252	87.57	6,549,118	89.48	2
3	21	0.16	6,994	0.10	3
4	1	0.01	15	0.00	4

N19A -**Coding Scheme Note 19A**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	15	0.12	2,398	0.03	1
2	63	0.49	59,081	0.81	2
3	1	0.01	21	0.00	3
4	75	0.58	40,080	0.55	4
8	7,272	56.60	3,522,383	48.13	8
9	2	0.02	1,725	0.02	9
10	43	0.33	8,180	0.11	10
11	5,376	41.84	3,685,203	50.35	11
12	1	0.01	13	0.00	12
13	1	0.01	33	0.00	13

N19B -**Coding Scheme Note 19B**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	7,348	57.19	3,562,477	48.67	1
2	44	0.34	8,201	0.11	2
3	5,457	42.47	3,748,440	51.21	3

N20 -**Coding Scheme Note 20**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	7,392	57.53	3,570,678	48.79	1
2	3,323	25.86	2,424,170	33.12	2
3	2,056	16.00	1,262,225	17.25	3
4	9	0.07	1,167	0.02	4
5	41	0.32	38,937	0.53	5
6	28	0.22	21,941	0.30	6

N21 -**Coding Scheme Note 21**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	7,392	57.53	3,570,678	48.79	1
2	46	0.36	23,833	0.33	2
4	68	0.53	29,188	0.40	4
5	57	0.44	27,007	0.37	5
6	287	2.23	162,952	2.23	6
7	4,921	38.30	3,440,564	47.01	7
12	78	0.61	64,897	0.89	12

N23_HT -**Coding Scheme Note 23_HT**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	12,542	97.61	7,143,199	97.60	1
2	307	2.39	175,919	2.40	2

N23_WT -**Coding Scheme Note 23_WT**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	12,610	98.14	7,157,787	97.80	1
2	239	1.86	161,330	2.20	2

N24 -**Coding Scheme Note 24**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	666	5.18	308,607	4.22	1
2	517	4.02	281,919	3.85	2
3	404	3.14	148,424	2.03	3
4	33	0.26	16,737	0.23	4
5	10,793	84.00	6,282,454	85.84	5
6	436	3.39	280,976	3.84	6

MISS_1 -**Count of original survey responses (pre-cleaning): violates skip pattern**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	12,849	100.00	7,319,118	100.00	0 times

MISS_4 -**Count of original survey responses (pre-cleaning): incomplete grid error**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	12,849	100.00	7,319,118	100.00	0 times

MISS_5 -**Count of original survey responses (pre-cleaning): scalable response of don't know**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	8,587	66.83	4,929,608	67.35	0 times
1	3,508	27.30	1,900,845	25.97	1 time
2	682	5.31	450,685	6.16	2 times
3	61	0.47	26,672	0.36	3 times
4	10	0.08	10,608	0.14	4 times
5	1	0.01	699	0.01	5 times

MISS_6 -**Count of original survey responses (pre-cleaning): not applicable - valid skip**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	11,720	91.21	6,789,148	92.76	0 times
1	692	5.39	364,502	4.98	1 time
2	261	2.03	103,086	1.41	2 times
3	62	0.48	29,269	0.40	3 times
4	40	0.31	10,744	0.15	4 times
5	29	0.23	9,733	0.13	5 times
6	22	0.17	4,909	0.07	6 times
7	8	0.06	4,586	0.06	7 times
8	5	0.04	1,521	0.02	8 times
9	2	0.02	109	0.00	9 times
10	2	0.02	71	0.00	10 times
11	2	0.02	339	0.00	11 times
12	1	0.01	145	0.00	12 times
13	2	0.02	935	0.01	13 times
19	1	0.01	21	0.00	19 times

MISS_7 -**Count of original survey responses (pre-cleaning): out-of-range error**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	12,849	100.00	7,319,118	100.00	0 times

MISS_9 -

Count of original survey responses (pre-cleaning): no response - invalid skip

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	10,885	84.71	6,682,313	91.30	0 times
1	1	0.01	754	0.01	1 time
4	5	0.04	794	0.01	4 times
5	1	0.01	21	0.00	5 times
6	10	0.08	4,325	0.06	6 times
7	10	0.08	4,789	0.07	7 times
8	11	0.09	4,187	0.06	8 times
9	20	0.16	5,762	0.08	9 times
10	35	0.27	8,911	0.12	10 times
11	28	0.22	6,983	0.10	11 times
12	49	0.38	17,440	0.24	12 times
13	57	0.44	22,967	0.31	13 times
14	85	0.66	26,107	0.36	14 times
15	99	0.77	33,262	0.45	15 times
16	102	0.79	46,949	0.64	16 times
17	83	0.65	24,053	0.33	17 times
18	107	0.83	47,976	0.66	18 times
19	109	0.85	42,241	0.58	19 times
20	105	0.82	30,614	0.42	20 times
21	90	0.70	29,697	0.41	21 times
22	82	0.64	24,652	0.34	22 times
23	70	0.54	33,759	0.46	23 times
24	94	0.73	22,172	0.30	24 times
25	87	0.68	28,020	0.38	25 times
26	67	0.52	12,565	0.17	26 times
27	60	0.47	15,962	0.22	27 times
28	60	0.47	16,343	0.22	28 times
29	58	0.45	15,961	0.22	29 times
30	56	0.44	14,195	0.19	30 times
31	43	0.33	17,189	0.23	31 times
32	46	0.36	10,844	0.15	32 times
33	40	0.31	18,443	0.25	33 times
34	31	0.24	8,496	0.12	34 times
35	19	0.15	7,990	0.11	35 times
36	14	0.11	4,576	0.06	36 times
37	20	0.16	2,968	0.04	37 times
38	21	0.16	3,694	0.05	38 times
39	22	0.17	7,216	0.10	39 times
40 -- 62	67	0.52	13,928	0.19	40 or more times

MISS_TOT -

Total number of missing responses (pre-cleaning)

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	6,849	53.30	4,278,919	58.46	0 times
1	3,164	24.62	1,813,347	24.78	1 time
2	748	5.82	513,846	7.02	2 times
3	99	0.77	53,700	0.73	3 times
4	20	0.16	19,666	0.27	4 times
5	8	0.06	3,982	0.05	5 times
6	3	0.02	259	0.00	6 times
7	5	0.04	1,164	0.02	7 times
8	7	0.05	3,834	0.05	8 times
9	15	0.12	4,684	0.06	9 times
10	21	0.16	5,171	0.07	10 times
11	25	0.19	8,892	0.12	11 times
12	42	0.33	14,895	0.20	12 times
13	48	0.37	15,761	0.22	13 times
14	67	0.52	23,681	0.32	14 times
15	82	0.64	24,917	0.34	15 times
16	96	0.75	41,194	0.56	16 times
17	84	0.65	35,044	0.48	17 times
18	100	0.78	35,120	0.48	18 times
19	96	0.75	34,338	0.47	19 times
20	112	0.87	38,721	0.53	20 times
21	98	0.76	35,227	0.48	21 times
22	104	0.81	34,210	0.47	22 times
23	69	0.54	27,704	0.38	23 times
24	84	0.65	24,904	0.34	24 times
25	86	0.67	26,427	0.36	25 times
26	78	0.61	19,603	0.27	26 times
27	69	0.54	19,011	0.26	27 times
28	68	0.53	16,184	0.22	28 times
29	65	0.51	19,749	0.27	29 times
30	62	0.48	15,083	0.21	30 times
31	44	0.34	10,671	0.15	31 times
32	52	0.40	21,154	0.29	32 times
33	41	0.32	10,114	0.14	33 times
34	41	0.32	17,249	0.24	34 times
35	24	0.19	10,513	0.14	35 times
36	18	0.14	4,032	0.06	36 times
37	21	0.16	4,216	0.06	37 times
38	23	0.18	5,895	0.08	38 times
39	27	0.21	7,894	0.11	39 times
40 -- 62	84	0.65	18,143	0.25	40 or more times

**JSFLAG -
Joint Service Flag**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	12,546	97.64	7,043,598	96.24	Not Joint Service
1	303	2.36	275,520	3.76	Joint Service

**XENRLLMT -
Enrollment in TRICARE prime**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	91	0.71	56,355	0.77	Missing/Unknown
1	4,974	38.71	1,604,297	21.92	Active Duty - under 65
2	5,809	45.21	1,860,728	25.42	Enrolled - under 65
3	1,524	11.86	1,597,354	21.82	Not enrolled - under 65
4	393	3.06	1,932,829	26.41	Not enrolled - 65 or over
5	58	0.45	267,556	3.66	Enrolled - 65 or over

**XENR_PCM -
Enrollment by PCM type**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	91	0.71	56,355	0.77	Missing/Unknown
1	4,974	38.71	1,604,297	21.92	Active Duty - under 65
2	5,057	39.36	1,138,516	15.56	Enrolled - under 65, Mil PCM
3	752	5.85	722,211	9.87	Enrolled - under 65, Civ PCM
4	1,524	11.86	1,597,354	21.82	Not enrolled - under 65
5	393	3.06	1,932,829	26.41	Not enrolled - 65 or over
6	49	0.38	227,422	3.11	Enrolled - 65 or over, Mil PCM
7	9	0.07	40,133	0.55	Enrolled - 65 or over, Civ PCM

**XINS_COV -
Insurance coverage**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	357	2.78	268,812	3.67	Missing/Unknown
1	4,974	38.71	1,604,297	21.92	Prime-under 65 Active Duty
2	4,945	38.49	1,603,093	21.90	Prime-under 65 Non-active Duty
3	727	5.66	727,909	9.95	Select
4	545	4.24	1,854,382	25.34	Medicare
5	647	5.04	605,367	8.27	Other civilian insurance
6	3	0.02	13,319	0.18	Prime,65 or over
7	72	0.56	37,813	0.52	TRICARE Plus
8	376	2.93	265,056	3.62	Veterans Administration (VA)
9	91	0.71	228,600	3.12	TRICARE Reserve Select
10	82	0.64	70,631	0.97	TRICARE Retired Reserve
12	4	0.03	6,462	0.09	Continued Health Care Benefit Program
13	21	0.16	18,066	0.25	TRICARE Young Adult Prime
14	5	0.04	15,311	0.21	TRICARE Young Adult Standard/Extra

**XBENCAT -
Beneficiary category**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	6	0.05	12,201	0.17	Missing/Other
1	4,352	33.87	1,434,029	19.59	Active Duty
2	1,665	12.96	622,812	8.51	Dependent of Active Duty
3	559	4.35	145,751	1.99	Active Reservist
4	215	1.67	84,672	1.16	Dependent of Active Reservist
5	121	0.94	170,856	2.33	Inactive Reservist
6	51	0.40	103,970	1.42	Dependent of Inactive Reservist
7	5,342	41.58	2,497,234	34.12	Retired or dependent<65
8	538	4.19	2,247,593	30.71	Retired or dependent>65

XENR_RSV -**Enrollment by PCM type - reservist**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	91	0.71	56,355	0.77	Missing/Unknown
1	4,350	33.85	1,433,647	19.59	Active Duty - under 65
2	5,057	39.36	1,138,516	15.56	Enrolled - under 65, Mil PCM
3	752	5.85	722,211	9.87	Enrolled - under 65, Civ PCM
4	1,524	11.86	1,597,354	21.82	Not enrolled - under 65
5	393	3.06	1,932,829	26.41	Not enrolled - 65 or over
6	49	0.38	227,422	3.11	Enrolled - 65 or over, Mil PCM
7	9	0.07	40,133	0.55	Enrolled - 65 or over, Civ PCM
8	624	4.86	170,649	2.33	Reservists - under 65

XINS_RSV -**Insurance coverage - reservist**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	357	2.78	268,812	3.67	Missing/Unknown
1	4,350	33.85	1,433,647	19.59	Prime-under 65 Active Duty
2	4,945	38.49	1,603,093	21.90	Prime-under 65 Non-active Duty
3	727	5.66	727,909	9.95	Select
4	545	4.24	1,854,382	25.34	Medicare
5	647	5.04	605,367	8.27	Other civilian insurance
6	3	0.02	13,319	0.18	Prime, 65 or over
7	72	0.56	37,813	0.52	TRICARE Plus
8	376	2.93	265,056	3.62	Veterans Administration (VA)
9	91	0.71	228,600	3.12	TRICARE Reserve Select
10	624	4.86	170,649	2.33	Prime-under 65 Reservists
11	82	0.64	70,631	0.97	TRICARE Retired Reserve
13	4	0.03	6,462	0.09	Continued Health Care Benefit Program
14	21	0.16	18,066	0.25	TRICARE Young Adult Prime
15	5	0.04	15,311	0.21	TRICARE Young Adult Standard/Extra

**XREGION -
Region**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	176	1.37	89,248	1.22	Missing data
1	1,353	10.53	981,128	13.41	Northeast
2	945	7.35	723,085	9.88	Mid-Atlantic
3	1,283	9.99	949,831	12.98	Southeast
4	1,104	8.59	530,057	7.24	Gulfsouth
5	684	5.32	645,327	8.82	Heartland
6	1,400	10.90	878,537	12.00	Southwest
7	766	5.96	404,459	5.53	Central 7
8	1,648	12.83	747,866	10.22	Central 8
9	1,126	8.76	400,604	5.47	Southern California
10	276	2.15	176,124	2.41	Golden Gate
11	512	3.98	339,756	4.64	Northwest
12	176	1.37	92,994	1.27	Hawaii
13	630	4.90	115,630	1.58	Europe
14	487	3.79	139,227	1.90	Western Pacific Command
15	134	1.04	34,802	0.48	TRICARE Latin America
16	149	1.16	70,444	0.96	Alaska

**XTNEXREG -
TRICARE next generation of contracts region grouping**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	3,007	23.40	2,393,788	32.71	East-North
2	3,794	29.53	2,365,390	32.32	East-South
3	4,654	36.22	2,235,999	30.55	West
4	1,394	10.85	323,940	4.43	Overseas

**USA -
CONUS/OCONUS indicator**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	176	1.37	89,248	1.22	Invalid/Missing
0	1,251	9.74	289,658	3.96	Not in USA
1	11,422	88.89	6,940,212	94.82	In USA

**XOCONUS -
Overseas Europe/Pacific/Latin indicator**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	11,598	90.26	7,029,460	96.04	In Conus/Missing Region
1	630	4.90	115,630	1.58	Europe
2	487	3.79	139,227	1.90	Western Pacific
3	134	1.04	34,802	0.48	Latin America

OUTCATCH -**Out of catchment area indicator**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0	10,408	81.00	3,794,001	51.84	Catchment areas
1	2,441	19.00	3,525,117	48.16	Out of catchment areas

XSEXA -**Male or female (recode)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	7,392	57.53	3,570,678	48.79	Male
2	5,457	42.47	3,748,440	51.21	Female

XBMICAT -**Body mass index category**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	912	7.10	544,511	7.44	Missing data
1	72	0.56	49,070	0.67	Underweight
2	3,647	28.38	2,077,817	28.39	Normal weight
3	5,271	41.02	2,903,712	39.67	Overweight
4	2,792	21.73	1,618,532	22.11	Obese
5	155	1.21	125,476	1.71	Morbidly obese

XBNFGRP -**Constructed beneficiary group**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	77	0.60	247,986	3.39	TRS/Missing/Unknown
1	4,974	38.71	1,604,297	21.92	Active Duty <65
2	1,912	14.88	709,808	9.70	Family of Active <65
3	5,435	42.30	2,556,642	34.93	Ret/Surv/Fam <65
4	451	3.51	2,200,385	30.06	Ret/Surv/Fam 65+

XSERVAFF -**Service affiliation**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	2,253	17.53	1,388,284	18.97	Army
2	5,293	41.19	1,175,369	16.06	Air Force
3	2,624	20.42	1,107,010	15.12	Navy
4	2,449	19.06	3,444,507	47.06	Other
5	230	1.79	203,948	2.79	Joint Service

KCIVINS -**Beneficiary covered by civilian insurance**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
1	787	6.12	699,630	9.56	Yes
2	12,062	93.88	6,619,488	90.44	No

HP_PRNTL -**Pregnant in last year received care in 1st trimester**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	5,051	39.31	3,532,057	48.26	Missing/Unknown/3 mnths prg now/not prg past yr
N	7,392	57.53	3,570,678	48.79	NA - male
1	362	2.82	186,893	2.55	Yes
2	44	0.34	29,490	0.40	No

HP_MAMOG -**Women age 40 and over: mammography in past 2 years**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	9,731	75.73	4,991,131	68.19	Missing/Unknown/NA
1	2,628	20.45	1,905,502	26.03	Yes
2	490	3.81	422,484	5.77	No

HP_MAM50 -**Women age 50 and over: mammography in past 2 years**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	10,605	82.54	5,392,348	73.67	Missing/Unknown/NA
1	1,946	15.15	1,592,196	21.75	Yes
2	298	2.32	334,574	4.57	No

HP_PAP -**All women: pap smear in last 3 years**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	7,493	58.32	3,646,689	49.82	Missing/Unknown/NA
1	4,050	31.52	2,450,495	33.48	Yes
2	1,306	10.16	1,221,934	16.70	No

HP_BP -**Blood pressure check in last 2 years and know results**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	255	1.98	180,655	2.47	Unknown
1	11,759	91.52	6,698,166	91.52	Yes
2	835	6.50	440,297	6.02	No

HP_FLU -**Age 65 and older: flu shot in last 12 months**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	12,312	95.82	5,092,521	69.58	Missing/Unknown/NA
1	418	3.25	1,744,625	23.85	Yes
2	119	0.93	480,972	6.57	No

HP_OBESE -**Obese or morbidly obese**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	912	7.10	544,511	7.44	Missing/Unknown/NA
1	2,947	22.94	1,744,008	23.83	Yes
2	8,990	69.97	5,030,599	68.73	No

HP_SMOKE -**Advised to quit smoking in last 12 months**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	11,421	88.89	6,654,859	90.92	Missing/Unknown/NA
1	1,135	8.83	506,419	6.92	Yes
2	293	2.28	157,840	2.16	No

HP_SMKH3 -**Smoker under HEDIS definition (modified)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	477	3.71	292,822	4.00	Missing/Unknown/NA
1	822	6.40	396,588	5.42	Yes
2	11,550	89.89	6,629,708	90.58	No

HP_CESH3 -**Had smoking cessation counseling - HEDIS (modified)**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
.	11,438	89.02	6,660,814	91.01	Missing/Unknown/NA
1	1,130	8.79	504,556	6.89	Yes
2	281	2.19	153,748	2.10	No

POSTCELL -**Poststratification cell for new weights**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
09999	73	0.57	238,839	3.26	09999
10001	109	0.85	9,913	0.14	10001
10003	74	0.58	12,818	0.18	10003
10004	164	1.28	10,657	0.15	10004
10005	48	0.37	18,195	0.25	10005
10006	68	0.53	19,053	0.26	10006
10008	134	1.04	7,447	0.10	10008
10009	75	0.58	18,084	0.25	10009
10010	65	0.51	13,232	0.18	10010
10013	110	0.86	9,049	0.12	10013
10014	78	0.61	19,429	0.27	10014
10018	101	0.79	4,765	0.07	10018
10019	93	0.72	5,118	0.07	10019
10024	44	0.34	57,496	0.79	10024
10026	153	1.19	5,104	0.07	10026
10028	69	0.54	12,371	0.17	10028
10029	44	0.34	77,849	1.06	10029
10030	52	0.40	18,370	0.25	10030
10032	31	0.24	47,212	0.65	10032
10033	230	1.79	17,395	0.24	10033
10038	60	0.47	41,333	0.56	10038
10039	72	0.56	46,894	0.64	10039
10042	63	0.49	22,923	0.31	10042
10043	142	1.11	9,195	0.13	10043
10045	78	0.61	26,123	0.36	10045
10046	128	1.00	2,386	0.03	10046
10047	55	0.43	33,140	0.45	10047
10048	46	0.36	42,036	0.57	10048
10049	39	0.30	38,675	0.53	10049
10051	78	0.61	10,655	0.15	10051
10052	50	0.39	52,605	0.72	10052
10053	104	0.81	6,531	0.09	10053
10055	87	0.68	14,687	0.20	10055
10056	58	0.45	21,688	0.30	10056
10057	52	0.40	25,405	0.35	10057
10058	95	0.74	11,529	0.16	10058
10060	42	0.33	50,295	0.69	10060
10061	97	0.75	16,457	0.22	10061
10062	72	0.56	11,600	0.16	10062
10064	32	0.25	13,938	0.19	10064
10066	58	0.45	23,717	0.32	10066
10067	85	0.66	25,727	0.35	10067
10068	75	0.58	10,451	0.14	10068
10069	89	0.69	45,319	0.62	10069

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
10073	78	0.61	16,115	0.22	10073
10074	119	0.93	3,057	0.04	10074
10075	53	0.41	20,323	0.28	10075
10076	107	0.83	8,014	0.11	10076
10077	125	0.97	6,752	0.09	10077
10078	78	0.61	17,590	0.24	10078
10079	80	0.62	30,352	0.41	10079
10083	165	1.28	8,914	0.12	10083
10086	72	0.56	11,623	0.16	10086
10089	62	0.48	86,178	1.18	10089
10091	42	0.33	61,480	0.84	10091
10092	64	0.50	14,734	0.20	10092
10094	93	0.72	9,101	0.12	10094
10095	109	0.85	22,474	0.31	10095
10096	79	0.61	13,380	0.18	10096
10098	51	0.40	17,152	0.23	10098
10100	94	0.73	15,888	0.22	10100
10101	99	0.77	8,940	0.12	10101
10103	79	0.61	12,841	0.18	10103
10104	46	0.36	16,289	0.22	10104
10105	73	0.57	15,369	0.21	10105
10108	49	0.38	47,155	0.64	10108
10109	69	0.54	59,516	0.81	10109
10110	42	0.33	69,065	0.94	10110
10112	116	0.90	7,722	0.11	10112
10113	112	0.87	10,824	0.15	10113
10117	71	0.55	31,637	0.43	10117
10118	128	1.00	10,456	0.14	10118
10119	79	0.61	11,483	0.16	10119
10120	71	0.55	23,886	0.33	10120
10121	75	0.58	16,094	0.22	10121
10122	94	0.73	14,778	0.20	10122
10123	94	0.73	63,748	0.87	10123
10124	54	0.42	82,417	1.13	10124
10125	51	0.40	70,035	0.96	10125
10126	62	0.48	32,214	0.44	10126
10127	67	0.52	14,800	0.20	10127
10128	155	1.21	7,623	0.10	10128
10129	111	0.86	6,674	0.09	10129
10131	62	0.48	6,897	0.09	10131
10231	89	0.69	11,466	0.16	10231
10248	104	0.81	6,158	0.08	10248
10252	88	0.68	16,711	0.23	10252
10280	97	0.75	18,634	0.25	10280
10306	95	0.74	12,149	0.17	10306
10310	106	0.82	4,506	0.06	10310
10330	56	0.44	20,166	0.28	10330

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
10364	113	0.88	7,088	0.10	10364
10366	70	0.54	16,005	0.22	10366
10378	75	0.58	13,846	0.19	10378
10385	57	0.44	16,571	0.23	10385
10387	59	0.46	8,180	0.11	10387
10405	74	0.58	11,271	0.15	10405
10407	56	0.44	11,245	0.15	10407
10508	88	0.68	16,360	0.22	10508
10607	66	0.51	26,925	0.37	10607
10609	62	0.48	24,860	0.34	10609
10612	45	0.35	26,349	0.36	10612
10620	78	0.61	8,482	0.12	10620
10621	59	0.46	24,849	0.34	10621
10622	62	0.48	27,071	0.37	10622
10633	86	0.67	11,980	0.16	10633
10804	79	0.61	10,522	0.14	10804
10805	169	1.32	4,296	0.06	10805
10806	94	0.73	12,942	0.18	10806
16215	165	1.28	5,123	0.07	16215
17139	81	0.63	12,379	0.17	17139
19001	244	1.90	113,783	1.55	19001
19002	211	1.64	87,917	1.20	19002
19003	268	2.09	114,205	1.56	19003
19004	244	1.90	57,939	0.79	19004
29001	252	1.96	238,579	3.26	29001
29002	217	1.69	299,979	4.10	29002
29003	291	2.26	189,591	2.59	29003
39001	375	2.92	532,384	7.27	39001
39002	391	3.04	434,383	5.93	39002
39003	401	3.12	378,829	5.18	39003
39004	328	2.55	47,179	0.64	39004
69001	153	1.19	703,209	9.61	69001
69002	142	1.11	834,097	11.40	69002
69003	157	1.22	671,615	9.18	69003

FWRWT1 -**Replicated/Jackknife quarterly weight 1**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.973	1,371	10.67	146,069	2.00	Minimum to 10th Percentile
26.161 -- 70.365	1,831	14.25	79,114	1.08	>10th to 25th Percentile
70.805 -- 198.254	3,230	25.14	401,015	5.48	>25th to 50th Percentile
198.748 -- 542.356	3,252	25.31	1,046,748	14.30	>50th to 75th Percentile
543.428 -- 1258.384	1,888	14.69	1,548,056	21.15	>75th to 90th Percentile
1258.898 -- 8709.578	1,277	9.94	4,098,115	55.99	>90th to 100th Percentile

FWRWT2 -**Replicated/Jackknife quarterly weight 2**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.465	1,386	10.79	184,268	2.52	Minimum to 10th Percentile
24.578 -- 69.108	1,829	14.23	78,882	1.08	>10th to 25th Percentile
69.573 -- 199.051	3,227	25.11	400,268	5.47	>25th to 50th Percentile
199.229 -- 546.440	3,203	24.93	1,019,500	13.93	>50th to 75th Percentile
546.982 -- 1257.152	1,985	15.45	1,634,756	22.34	>75th to 90th Percentile
1263.302 -- 8716.454	1,219	9.49	4,001,444	54.67	>90th to 100th Percentile

FWRWT3 -**Replicated/Jackknife quarterly weight 3**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 25.298	1,360	10.58	128,993	1.76	Minimum to 10th Percentile
25.733 -- 71.383	1,847	14.37	80,411	1.10	>10th to 25th Percentile
71.623 -- 200.194	3,231	25.15	404,109	5.52	>25th to 50th Percentile
200.520 -- 543.025	3,199	24.90	1,023,279	13.98	>50th to 75th Percentile
547.096 -- 1271.709	1,928	15.01	1,568,608	21.43	>75th to 90th Percentile
1274.341 -- 8689.041	1,284	9.99	4,113,718	56.21	>90th to 100th Percentile

FWRWT4 -**Replicated/Jackknife quarterly weight 4**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.593	1,349	10.50	126,656	1.73	Minimum to 10th Percentile
24.961 -- 69.332	1,851	14.41	79,592	1.09	>10th to 25th Percentile
69.608 -- 199.295	3,252	25.31	406,211	5.55	>25th to 50th Percentile
199.521 -- 545.223	3,216	25.03	1,035,420	14.15	>50th to 75th Percentile
546.525 -- 1253.688	1,944	15.13	1,605,754	21.94	>75th to 90th Percentile
1258.245 -- 8693.496	1,237	9.63	4,065,485	55.55	>90th to 100th Percentile

FWRWT5 -**Replicated/Jackknife quarterly weight 5**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.007	1,325	10.31	171,934	2.35	Minimum to 10th Percentile
24.519 -- 70.477	1,904	14.82	81,515	1.11	>10th to 25th Percentile
70.726 -- 198.125	3,202	24.92	397,806	5.44	>25th to 50th Percentile
198.530 -- 536.944	3,201	24.91	1,014,775	13.86	>50th to 75th Percentile
537.981 -- 1260.787	1,934	15.05	1,564,992	21.38	>75th to 90th Percentile
1264.990 -- 8707.679	1,283	9.99	4,088,096	55.86	>90th to 100th Percentile

FWRWT6 -**Replicated/Jackknife quarterly weight 6**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.713	1,390	10.82	169,344	2.31	Minimum to 10th Percentile
26.017 -- 69.256	1,826	14.21	78,769	1.08	>10th to 25th Percentile
69.534 -- 199.542	3,228	25.12	400,682	5.47	>25th to 50th Percentile
199.642 -- 552.455	3,202	24.92	1,021,991	13.96	>50th to 75th Percentile
552.575 -- 1262.870	1,921	14.95	1,555,769	21.26	>75th to 90th Percentile
1263.674 -- 8801.976	1,282	9.98	4,092,563	55.92	>90th to 100th Percentile

FWRWT7 -**Replicated/Jackknife quarterly weight 7**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.608	1,385	10.78	139,884	1.91	Minimum to 10th Percentile
24.775 -- 69.561	1,820	14.16	78,257	1.07	>10th to 25th Percentile
70.593 -- 199.730	3,225	25.10	398,816	5.45	>25th to 50th Percentile
200.289 -- 546.868	3,200	24.90	1,017,827	13.91	>50th to 75th Percentile
548.599 -- 1252.613	1,936	15.07	1,570,691	21.46	>75th to 90th Percentile
1255.041 -- 8668.540	1,283	9.99	4,113,642	56.20	>90th to 100th Percentile

FWRWT8 -**Replicated/Jackknife quarterly weight 8**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.391	1,313	10.22	115,266	1.57	Minimum to 10th Percentile
24.825 -- 69.482	1,888	14.69	80,283	1.10	>10th to 25th Percentile
69.609 -- 198.116	3,245	25.25	404,413	5.53	>25th to 50th Percentile
198.259 -- 536.266	3,152	24.53	1,000,019	13.66	>50th to 75th Percentile
539.543 -- 1258.421	2,045	15.92	1,689,073	23.08	>75th to 90th Percentile
1259.403 -- 8627.643	1,206	9.39	4,030,064	55.06	>90th to 100th Percentile

FWRWT9 -**Replicated/Jackknife quarterly weight 9**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.632	1,347	10.48	134,276	1.83	Minimum to 10th Percentile
25.181 -- 70.341	1,857	14.45	80,207	1.10	>10th to 25th Percentile
70.764 -- 198.449	3,233	25.16	402,290	5.50	>25th to 50th Percentile
198.700 -- 544.364	3,203	24.93	1,021,876	13.96	>50th to 75th Percentile
545.020 -- 1267.643	2,003	15.59	1,658,684	22.66	>75th to 90th Percentile
1268.195 -- 8680.409	1,206	9.39	4,021,786	54.95	>90th to 100th Percentile

FWRWT10 -**Replicated/Jackknife quarterly weight 10**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.591	1,396	10.86	161,119	2.20	Minimum to 10th Percentile
26.012 -- 68.259	1,819	14.16	78,320	1.07	>10th to 25th Percentile
68.571 -- 198.967	3,231	25.15	400,132	5.47	>25th to 50th Percentile
199.715 -- 539.295	3,222	25.08	1,032,224	14.10	>50th to 75th Percentile
539.547 -- 1239.517	1,946	15.15	1,610,230	22.00	>75th to 90th Percentile
1242.145 -- 8634.401	1,235	9.61	4,037,093	55.16	>90th to 100th Percentile

FWRWT11 -**Replicated/Jackknife quarterly weight 11**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.889	1,307	10.17	127,251	1.74	Minimum to 10th Percentile
24.455 -- 69.308	1,902	14.80	81,117	1.11	>10th to 25th Percentile
69.893 -- 199.576	3,243	25.24	403,506	5.51	>25th to 50th Percentile
199.745 -- 538.407	3,230	25.14	1,041,675	14.23	>50th to 75th Percentile
538.944 -- 1252.039	1,946	15.15	1,621,120	22.15	>75th to 90th Percentile
1255.494 -- 8725.062	1,221	9.50	4,044,448	55.26	>90th to 100th Percentile

FWRWT12 -**Replicated/Jackknife quarterly weight 12**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.982	1,319	10.27	154,208	2.11	Minimum to 10th Percentile
24.548 -- 69.421	1,886	14.68	80,211	1.10	>10th to 25th Percentile
69.537 -- 199.169	3,223	25.08	399,601	5.46	>25th to 50th Percentile
199.482 -- 544.550	3,195	24.87	1,013,856	13.85	>50th to 75th Percentile
546.705 -- 1264.041	1,945	15.14	1,572,350	21.48	>75th to 90th Percentile
1267.803 -- 8687.070	1,281	9.97	4,098,891	56.00	>90th to 100th Percentile

FWRWT13 -**Replicated/Jackknife quarterly weight 13**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.654	1,321	10.28	142,900	1.95	Minimum to 10th Percentile
24.885 -- 70.435	1,897	14.76	82,018	1.12	>10th to 25th Percentile
70.865 -- 200.249	3,229	25.13	403,590	5.51	>25th to 50th Percentile
200.398 -- 542.616	3,174	24.70	1,012,162	13.83	>50th to 75th Percentile
545.939 -- 1249.419	2,005	15.60	1,648,639	22.53	>75th to 90th Percentile
1250.792 -- 8581.424	1,223	9.52	4,029,809	55.06	>90th to 100th Percentile

FWRWT14 -**Replicated/Jackknife quarterly weight 14**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.858	1,369	10.65	141,687	1.94	Minimum to 10th Percentile
26.074 -- 69.432	1,840	14.32	79,827	1.09	>10th to 25th Percentile
69.745 -- 199.311	3,231	25.15	402,627	5.50	>25th to 50th Percentile
200.125 -- 540.173	3,199	24.90	1,020,584	13.94	>50th to 75th Percentile
544.777 -- 1257.411	1,988	15.47	1,640,949	22.42	>75th to 90th Percentile
1257.971 -- 8683.765	1,222	9.51	4,033,444	55.11	>90th to 100th Percentile

FWRWT15 -**Replicated/Jackknife quarterly weight 15**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.355	1,321	10.28	121,997	1.67	Minimum to 10th Percentile
24.769 -- 69.416	1,872	14.57	79,619	1.09	>10th to 25th Percentile
69.570 -- 199.108	3,265	25.41	407,189	5.56	>25th to 50th Percentile
199.362 -- 538.623	3,154	24.55	1,004,692	13.73	>50th to 75th Percentile
541.925 -- 1257.808	2,010	15.64	1,654,976	22.61	>75th to 90th Percentile
1261.295 -- 8642.978	1,227	9.55	4,050,645	55.34	>90th to 100th Percentile

FWRWT16 -**Replicated/Jackknife quarterly weight 16**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.778	1,332	10.37	150,605	2.06	Minimum to 10th Percentile
25.006 -- 70.150	1,879	14.62	80,720	1.10	>10th to 25th Percentile
70.650 -- 199.507	3,239	25.21	404,285	5.52	>25th to 50th Percentile
200.096 -- 539.323	3,212	25.00	1,033,434	14.12	>50th to 75th Percentile
539.652 -- 1246.347	1,967	15.31	1,631,082	22.29	>75th to 90th Percentile
1253.790 -- 8678.265	1,220	9.49	4,018,991	54.91	>90th to 100th Percentile

FWRWT17 -**Replicated/Jackknife quarterly weight 17**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.310	1,344	10.46	139,181	1.90	Minimum to 10th Percentile
24.393 -- 71.328	1,852	14.41	79,631	1.09	>10th to 25th Percentile
71.815 -- 200.706	3,246	25.26	403,749	5.52	>25th to 50th Percentile
201.045 -- 543.703	3,193	24.85	1,019,960	13.94	>50th to 75th Percentile
548.505 -- 1271.219	2,005	15.60	1,661,687	22.70	>75th to 90th Percentile
1277.065 -- 8855.103	1,209	9.41	4,014,909	54.86	>90th to 100th Percentile

FWRWT18 -**Replicated/Jackknife quarterly weight 18**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.181	1,320	10.27	144,951	1.98	Minimum to 10th Percentile
24.576 -- 70.475	1,904	14.82	81,289	1.11	>10th to 25th Percentile
70.629 -- 198.758	3,211	24.99	398,256	5.44	>25th to 50th Percentile
198.922 -- 543.151	3,198	24.89	1,016,844	13.89	>50th to 75th Percentile
543.992 -- 1267.209	1,933	15.04	1,567,832	21.42	>75th to 90th Percentile
1267.730 -- 8662.950	1,283	9.99	4,109,946	56.15	>90th to 100th Percentile

FWRWT19 -**Replicated/Jackknife quarterly weight 19**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.908	1,317	10.25	172,104	2.35	Minimum to 10th Percentile
24.694 -- 68.496	1,847	14.37	77,458	1.06	>10th to 25th Percentile
68.524 -- 197.377	3,265	25.41	401,052	5.48	>25th to 50th Percentile
197.883 -- 542.425	3,269	25.44	1,052,511	14.38	>50th to 75th Percentile
544.325 -- 1265.639	1,929	15.01	1,604,876	21.93	>75th to 90th Percentile
1266.595 -- 8811.830	1,222	9.51	4,011,118	54.80	>90th to 100th Percentile

FWRWT20 -**Replicated/Jackknife quarterly weight 20**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.338	1,319	10.27	130,926	1.79	Minimum to 10th Percentile
24.807 -- 70.439	1,896	14.76	81,297	1.11	>10th to 25th Percentile
70.627 -- 197.928	3,215	25.02	399,627	5.46	>25th to 50th Percentile
198.317 -- 538.462	3,212	25.00	1,025,757	14.01	>50th to 75th Percentile
538.606 -- 1257.414	2,001	15.57	1,660,151	22.68	>75th to 90th Percentile
1259.916 -- 8669.947	1,206	9.39	4,021,360	54.94	>90th to 100th Percentile

FWRWT21 -**Replicated/Jackknife quarterly weight 21**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.351	1,314	10.23	119,256	1.63	Minimum to 10th Percentile
24.694 -- 71.411	1,945	15.14	85,279	1.17	>10th to 25th Percentile
71.846 -- 199.531	3,176	24.72	399,260	5.46	>25th to 50th Percentile
199.627 -- 542.350	3,240	25.22	1,043,262	14.25	>50th to 75th Percentile
542.636 -- 1263.572	1,964	15.29	1,638,895	22.39	>75th to 90th Percentile
1270.042 -- 8665.878	1,210	9.42	4,033,167	55.10	>90th to 100th Percentile

FWRWT22 -**Replicated/Jackknife quarterly weight 22**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.485	1,326	10.32	116,054	1.59	Minimum to 10th Percentile
26.017 -- 70.487	1,884	14.66	81,154	1.11	>10th to 25th Percentile
70.645 -- 198.858	3,240	25.22	405,129	5.54	>25th to 50th Percentile
199.504 -- 541.273	3,214	25.01	1,036,480	14.16	>50th to 75th Percentile
542.250 -- 1253.666	1,967	15.31	1,639,271	22.40	>75th to 90th Percentile
1258.148 -- 8678.881	1,218	9.48	4,041,029	55.21	>90th to 100th Percentile

FWRWT23 -**Replicated/Jackknife quarterly weight 23**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.808	1,376	10.71	136,871	1.87	Minimum to 10th Percentile
25.035 -- 69.429	1,839	14.31	79,736	1.09	>10th to 25th Percentile
69.740 -- 199.051	3,217	25.04	400,352	5.47	>25th to 50th Percentile
199.497 -- 539.124	3,202	24.92	1,021,078	13.95	>50th to 75th Percentile
544.519 -- 1255.691	1,987	15.46	1,639,594	22.40	>75th to 90th Percentile
1265.855 -- 8716.826	1,228	9.56	4,041,486	55.22	>90th to 100th Percentile

FWRWT24 -**Replicated/Jackknife quarterly weight 24**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.961	1,344	10.46	113,236	1.55	Minimum to 10th Percentile
26.159 -- 71.395	1,879	14.62	82,380	1.13	>10th to 25th Percentile
71.852 -- 199.380	3,204	24.94	400,931	5.48	>25th to 50th Percentile
199.690 -- 544.453	3,259	25.36	1,053,257	14.39	>50th to 75th Percentile
545.143 -- 1253.859	1,880	14.63	1,544,686	21.10	>75th to 90th Percentile
1258.086 -- 8623.371	1,283	9.99	4,124,628	56.35	>90th to 100th Percentile

FWRWT25 -**Replicated/Jackknife quarterly weight 25**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 25.121	1,361	10.59	158,180	2.16	Minimum to 10th Percentile
26.358 -- 70.349	1,874	14.58	82,314	1.12	>10th to 25th Percentile
70.685 -- 196.701	3,191	24.83	397,653	5.43	>25th to 50th Percentile
197.332 -- 541.335	3,208	24.97	1,021,967	13.96	>50th to 75th Percentile
541.642 -- 1265.259	2,003	15.59	1,654,044	22.60	>75th to 90th Percentile
1266.672 -- 8898.700	1,212	9.43	4,004,959	54.72	>90th to 100th Percentile

FWRWT26 -**Replicated/Jackknife quarterly weight 26**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.405	1,352	10.52	137,722	1.88	Minimum to 10th Percentile
24.619 -- 69.429	1,862	14.49	80,384	1.10	>10th to 25th Percentile
69.893 -- 200.095	3,245	25.25	404,816	5.53	>25th to 50th Percentile
200.481 -- 547.388	3,220	25.06	1,037,096	14.17	>50th to 75th Percentile
547.685 -- 1260.482	1,956	15.22	1,630,407	22.28	>75th to 90th Percentile
1263.923 -- 8672.471	1,214	9.45	4,028,692	55.04	>90th to 100th Percentile

FWRWT27 -**Replicated/Jackknife quarterly weight 27**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.874	1,295	10.08	178,394	2.44	Minimum to 10th Percentile
24.453 -- 70.250	1,913	14.89	81,841	1.12	>10th to 25th Percentile
71.607 -- 199.055	3,233	25.16	402,256	5.50	>25th to 50th Percentile
199.344 -- 544.325	3,203	24.93	1,022,298	13.97	>50th to 75th Percentile
545.316 -- 1251.474	1,921	14.95	1,558,287	21.29	>75th to 90th Percentile
1257.478 -- 8762.746	1,284	9.99	4,076,043	55.69	>90th to 100th Percentile

FWRWT28 -**Replicated/Jackknife quarterly weight 28**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.511	1,376	10.71	136,822	1.87	Minimum to 10th Percentile
26.125 -- 69.487	1,823	14.19	78,816	1.08	>10th to 25th Percentile
69.599 -- 199.631	3,241	25.22	402,695	5.50	>25th to 50th Percentile
200.055 -- 541.428	3,206	24.95	1,023,525	13.98	>50th to 75th Percentile
545.930 -- 1253.980	1,922	14.96	1,564,637	21.38	>75th to 90th Percentile
1254.672 -- 8721.730	1,281	9.97	4,112,624	56.19	>90th to 100th Percentile

FWRWT29 -**Replicated/Jackknife quarterly weight 29**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.751	1,315	10.23	139,074	1.90	Minimum to 10th Percentile
24.304 -- 70.381	1,902	14.80	81,403	1.11	>10th to 25th Percentile
70.841 -- 197.376	3,215	25.02	398,964	5.45	>25th to 50th Percentile
197.741 -- 541.439	3,216	25.03	1,024,315	14.00	>50th to 75th Percentile
543.675 -- 1263.992	1,992	15.50	1,649,403	22.54	>75th to 90th Percentile
1267.476 -- 8670.596	1,209	9.41	4,025,960	55.01	>90th to 100th Percentile

FWRWT30 -**Replicated/Jackknife quarterly weight 30**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.718	1,364	10.62	124,050	1.69	Minimum to 10th Percentile
24.931 -- 69.479	1,822	14.18	78,450	1.07	>10th to 25th Percentile
69.517 -- 199.840	3,265	25.41	405,928	5.55	>25th to 50th Percentile
199.976 -- 540.622	3,176	24.72	1,012,395	13.83	>50th to 75th Percentile
543.705 -- 1250.994	2,012	15.66	1,665,635	22.76	>75th to 90th Percentile
1251.703 -- 8676.247	1,210	9.42	4,032,660	55.10	>90th to 100th Percentile

FWRWT31 -**Replicated/Jackknife quarterly weight 31**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.284	1,343	10.45	154,519	2.11	Minimum to 10th Percentile
24.635 -- 69.283	1,857	14.45	79,823	1.09	>10th to 25th Percentile
69.969 -- 197.524	3,230	25.14	400,489	5.47	>25th to 50th Percentile
198.475 -- 541.144	3,199	24.90	1,016,104	13.88	>50th to 75th Percentile
541.669 -- 1264.180	1,940	15.10	1,569,997	21.45	>75th to 90th Percentile
1269.794 -- 8640.880	1,280	9.96	4,098,187	55.99	>90th to 100th Percentile

FWRWT32 -**Replicated/Jackknife quarterly weight 32**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.997	1,299	10.11	117,122	1.60	Minimum to 10th Percentile
24.589 -- 71.454	1,928	15.01	83,245	1.14	>10th to 25th Percentile
71.630 -- 199.023	3,202	24.92	400,281	5.47	>25th to 50th Percentile
199.894 -- 546.394	3,190	24.83	1,016,233	13.88	>50th to 75th Percentile
547.934 -- 1267.912	2,029	15.79	1,683,690	23.00	>75th to 90th Percentile
1295.780 -- 8615.829	1,201	9.35	4,018,547	54.90	>90th to 100th Percentile

FWRWT33 -**Replicated/Jackknife quarterly weight 33**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.995	1,312	10.21	143,465	1.96	Minimum to 10th Percentile
24.604 -- 70.498	1,898	14.77	81,160	1.11	>10th to 25th Percentile
70.895 -- 200.767	3,251	25.30	406,004	5.55	>25th to 50th Percentile
201.095 -- 542.276	3,223	25.08	1,039,860	14.21	>50th to 75th Percentile
542.515 -- 1259.640	1,956	15.22	1,632,743	22.31	>75th to 90th Percentile
1260.146 -- 8695.107	1,209	9.41	4,015,887	54.87	>90th to 100th Percentile

FWRWT34 -**Replicated/Jackknife quarterly weight 34**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.633	1,327	10.33	165,410	2.26	Minimum to 10th Percentile
25.378 -- 70.443	1,909	14.86	82,216	1.12	>10th to 25th Percentile
70.538 -- 199.843	3,200	24.90	398,430	5.44	>25th to 50th Percentile
200.343 -- 543.147	3,196	24.87	1,013,398	13.85	>50th to 75th Percentile
544.919 -- 1254.926	1,996	15.53	1,639,654	22.40	>75th to 90th Percentile
1257.579 -- 8996.372	1,221	9.50	4,020,010	54.92	>90th to 100th Percentile

FWRWT35 -**Replicated/Jackknife quarterly weight 35**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.776	1,356	10.55	141,160	1.93	Minimum to 10th Percentile
25.204 -- 70.099	1,869	14.55	81,696	1.12	>10th to 25th Percentile
70.794 -- 197.367	3,209	24.97	400,838	5.48	>25th to 50th Percentile
197.803 -- 539.807	3,200	24.90	1,018,287	13.91	>50th to 75th Percentile
541.675 -- 1275.305	2,002	15.58	1,649,681	22.54	>75th to 90th Percentile
1282.590 -- 8737.601	1,213	9.44	4,027,455	55.03	>90th to 100th Percentile

FWRWT36 -**Replicated/Jackknife quarterly weight 36**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.752	1,381	10.75	136,042	1.86	Minimum to 10th Percentile
26.083 -- 69.375	1,828	14.23	78,939	1.08	>10th to 25th Percentile
69.889 -- 197.431	3,227	25.11	400,221	5.47	>25th to 50th Percentile
198.235 -- 546.338	3,198	24.89	1,015,728	13.88	>50th to 75th Percentile
546.579 -- 1263.581	1,935	15.06	1,571,429	21.47	>75th to 90th Percentile
1268.618 -- 8641.093	1,280	9.96	4,116,759	56.25	>90th to 100th Percentile

FWRWT37 -**Replicated/Jackknife quarterly weight 37**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.605	1,387	10.79	161,710	2.21	Minimum to 10th Percentile
26.145 -- 69.018	1,827	14.22	78,866	1.08	>10th to 25th Percentile
69.643 -- 198.309	3,230	25.14	401,176	5.48	>25th to 50th Percentile
198.389 -- 544.078	3,242	25.23	1,042,316	14.24	>50th to 75th Percentile
544.782 -- 1258.806	1,885	14.67	1,540,740	21.05	>75th to 90th Percentile
1259.322 -- 8706.668	1,278	9.95	4,094,310	55.94	>90th to 100th Percentile

FWRWT38 -**Replicated/Jackknife quarterly weight 38**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.317	1,353	10.53	177,523	2.43	Minimum to 10th Percentile
24.435 -- 68.441	1,850	14.40	78,838	1.08	>10th to 25th Percentile
68.602 -- 196.989	3,222	25.08	396,624	5.42	>25th to 50th Percentile
198.055 -- 543.094	3,252	25.31	1,039,881	14.21	>50th to 75th Percentile
546.474 -- 1245.956	1,954	15.21	1,619,721	22.13	>75th to 90th Percentile
1246.844 -- 8789.710	1,218	9.48	4,006,531	54.74	>90th to 100th Percentile

FWRWT39 -**Replicated/Jackknife quarterly weight 39**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.115	1,322	10.29	140,626	1.92	Minimum to 10th Percentile
24.522 -- 71.389	1,911	14.87	82,085	1.12	>10th to 25th Percentile
71.608 -- 200.391	3,216	25.03	400,340	5.47	>25th to 50th Percentile
200.588 -- 540.470	3,166	24.64	1,005,592	13.74	>50th to 75th Percentile
540.609 -- 1259.909	1,994	15.52	1,630,922	22.28	>75th to 90th Percentile
1268.479 -- 8697.172	1,240	9.65	4,059,552	55.47	>90th to 100th Percentile

FWRWT40 -**Replicated/Jackknife quarterly weight 40**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 25.313	1,356	10.55	128,518	1.76	Minimum to 10th Percentile
26.242 -- 71.252	1,830	14.24	79,176	1.08	>10th to 25th Percentile
71.552 -- 200.569	3,246	25.26	404,585	5.53	>25th to 50th Percentile
201.082 -- 540.618	3,200	24.90	1,023,255	13.98	>50th to 75th Percentile
547.663 -- 1265.213	1,988	15.47	1,639,184	22.40	>75th to 90th Percentile
1266.912 -- 8805.686	1,229	9.56	4,044,400	55.26	>90th to 100th Percentile

FWRWT41 -**Replicated/Jackknife quarterly weight 41**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.304	1,330	10.35	135,428	1.85	Minimum to 10th Percentile
24.838 -- 70.497	1,890	14.71	81,804	1.12	>10th to 25th Percentile
70.631 -- 200.021	3,230	25.14	403,613	5.51	>25th to 50th Percentile
200.284 -- 543.158	3,220	25.06	1,037,983	14.18	>50th to 75th Percentile
543.831 -- 1263.148	1,970	15.33	1,643,601	22.46	>75th to 90th Percentile
1284.213 -- 8666.928	1,209	9.41	4,016,687	54.88	>90th to 100th Percentile

FWRWT42 -**Replicated/Jackknife quarterly weight 42**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.871	1,323	10.30	177,981	2.43	Minimum to 10th Percentile
24.426 -- 69.463	1,895	14.75	80,824	1.10	>10th to 25th Percentile
69.895 -- 200.520	3,229	25.13	400,918	5.48	>25th to 50th Percentile
200.764 -- 544.271	3,245	25.25	1,042,936	14.25	>50th to 75th Percentile
546.551 -- 1257.040	1,875	14.59	1,531,314	20.92	>75th to 90th Percentile
1267.676 -- 8794.943	1,282	9.98	4,085,145	55.81	>90th to 100th Percentile

FWRWT43 -**Replicated/Jackknife quarterly weight 43**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.827	1,348	10.49	135,348	1.85	Minimum to 10th Percentile
25.063 -- 70.185	1,865	14.51	79,911	1.09	>10th to 25th Percentile
70.629 -- 199.711	3,235	25.18	403,389	5.51	>25th to 50th Percentile
200.141 -- 543.577	3,187	24.80	1,019,044	13.92	>50th to 75th Percentile
544.624 -- 1263.007	1,931	15.03	1,570,254	21.45	>75th to 90th Percentile
1265.426 -- 8641.483	1,283	9.99	4,111,171	56.17	>90th to 100th Percentile

FWRWT44 -**Replicated/Jackknife quarterly weight 44**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.009	1,316	10.24	108,391	1.48	Minimum to 10th Percentile
24.697 -- 70.475	1,882	14.65	80,082	1.09	>10th to 25th Percentile
70.844 -- 201.439	3,258	25.36	406,288	5.55	>25th to 50th Percentile
201.938 -- 538.833	3,161	24.60	1,010,280	13.80	>50th to 75th Percentile
540.767 -- 1251.672	2,009	15.64	1,657,710	22.65	>75th to 90th Percentile
1257.808 -- 8611.919	1,223	9.52	4,056,368	55.42	>90th to 100th Percentile

FWRWT45 -**Replicated/Jackknife quarterly weight 45**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.672	1,334	10.38	137,730	1.88	Minimum to 10th Percentile
25.142 -- 70.300	1,880	14.63	81,371	1.11	>10th to 25th Percentile
70.543 -- 198.127	3,225	25.10	402,476	5.50	>25th to 50th Percentile
199.079 -- 544.425	3,196	24.87	1,021,936	13.96	>50th to 75th Percentile
546.842 -- 1260.717	1,934	15.05	1,572,546	21.49	>75th to 90th Percentile
1267.550 -- 8660.643	1,280	9.96	4,103,058	56.06	>90th to 100th Percentile

FWRWT46 -**Replicated/Jackknife quarterly weight 46**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.247	1,311	10.20	145,318	1.99	Minimum to 10th Percentile
24.455 -- 70.368	1,892	14.72	80,656	1.10	>10th to 25th Percentile
70.565 -- 197.924	3,222	25.08	400,293	5.47	>25th to 50th Percentile
198.594 -- 542.382	3,262	25.39	1,049,846	14.34	>50th to 75th Percentile
542.788 -- 1255.124	1,942	15.11	1,614,749	22.06	>75th to 90th Percentile
1259.569 -- 8673.439	1,220	9.49	4,028,257	55.04	>90th to 100th Percentile

FWRWT47 -**Replicated/Jackknife quarterly weight 47**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.368	1,321	10.28	147,376	2.01	Minimum to 10th Percentile
24.613 -- 70.414	1,890	14.71	80,682	1.10	>10th to 25th Percentile
70.593 -- 199.345	3,233	25.16	402,917	5.50	>25th to 50th Percentile
199.795 -- 542.151	3,244	25.25	1,046,000	14.29	>50th to 75th Percentile
543.092 -- 1262.289	1,966	15.30	1,648,872	22.53	>75th to 90th Percentile
1264.898 -- 8653.821	1,195	9.30	3,993,271	54.56	>90th to 100th Percentile

FWRWT48 -**Replicated/Jackknife quarterly weight 48**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.758	1,370	10.66	133,127	1.82	Minimum to 10th Percentile
24.910 -- 70.068	1,856	14.44	81,038	1.11	>10th to 25th Percentile
70.580 -- 200.370	3,232	25.15	405,095	5.53	>25th to 50th Percentile
200.479 -- 541.304	3,199	24.90	1,029,454	14.07	>50th to 75th Percentile
544.438 -- 1256.300	1,981	15.42	1,647,284	22.51	>75th to 90th Percentile
1263.633 -- 8726.499	1,211	9.42	4,023,120	54.97	>90th to 100th Percentile

FWRWT49 -**Replicated/Jackknife quarterly weight 49**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.323	1,304	10.15	124,693	1.70	Minimum to 10th Percentile
24.681 -- 70.393	1,905	14.83	81,651	1.12	>10th to 25th Percentile
70.610 -- 198.606	3,217	25.04	399,834	5.46	>25th to 50th Percentile
199.158 -- 539.383	3,245	25.25	1,044,428	14.27	>50th to 75th Percentile
539.509 -- 1246.393	1,950	15.18	1,619,188	22.12	>75th to 90th Percentile
1247.061 -- 8681.746	1,228	9.56	4,049,324	55.33	>90th to 100th Percentile

FWRWT50 -**Replicated/Jackknife quarterly weight 50**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.794	1,296	10.09	131,917	1.80	Minimum to 10th Percentile
24.448 -- 70.392	1,918	14.93	82,538	1.13	>10th to 25th Percentile
70.633 -- 198.715	3,228	25.12	404,323	5.52	>25th to 50th Percentile
199.096 -- 552.116	3,186	24.80	1,016,961	13.89	>50th to 75th Percentile
552.914 -- 1272.754	1,937	15.08	1,575,974	21.53	>75th to 90th Percentile
1275.181 -- 8688.833	1,284	9.99	4,107,404	56.12	>90th to 100th Percentile

FWRWT51 -**Replicated/Jackknife quarterly weight 51**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.169	1,320	10.27	129,913	1.77	Minimum to 10th Percentile
24.300 -- 71.448	1,905	14.83	82,475	1.13	>10th to 25th Percentile
71.587 -- 198.302	3,210	24.98	401,327	5.48	>25th to 50th Percentile
198.800 -- 538.697	3,173	24.69	1,007,361	13.76	>50th to 75th Percentile
539.515 -- 1243.154	1,997	15.54	1,634,903	22.34	>75th to 90th Percentile
1245.752 -- 8704.417	1,244	9.68	4,063,139	55.51	>90th to 100th Percentile

FWRWT52 -**Replicated/Jackknife quarterly weight 52**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.818	1,337	10.41	160,434	2.19	Minimum to 10th Percentile
24.720 -- 68.420	1,864	14.51	78,842	1.08	>10th to 25th Percentile
68.748 -- 198.735	3,235	25.18	399,357	5.46	>25th to 50th Percentile
198.926 -- 542.932	3,200	24.90	1,018,619	13.92	>50th to 75th Percentile
547.538 -- 1263.844	1,993	15.51	1,642,151	22.44	>75th to 90th Percentile
1276.344 -- 8735.770	1,220	9.49	4,019,714	54.92	>90th to 100th Percentile

FWRWT53 -**Replicated/Jackknife quarterly weight 53**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.297	1,340	10.43	159,795	2.18	Minimum to 10th Percentile
24.518 -- 70.435	1,879	14.62	81,128	1.11	>10th to 25th Percentile
70.522 -- 199.091	3,228	25.12	402,763	5.50	>25th to 50th Percentile
199.291 -- 542.386	3,188	24.81	1,014,000	13.85	>50th to 75th Percentile
542.751 -- 1263.996	1,935	15.06	1,569,702	21.45	>75th to 90th Percentile
1267.136 -- 8694.068	1,279	9.95	4,091,729	55.90	>90th to 100th Percentile

FWRWT54 -**Replicated/Jackknife quarterly weight 54**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.444	1,331	10.36	132,172	1.81	Minimum to 10th Percentile
24.963 -- 70.449	1,885	14.67	82,124	1.12	>10th to 25th Percentile
70.602 -- 197.957	3,219	25.05	402,874	5.50	>25th to 50th Percentile
198.383 -- 546.114	3,195	24.87	1,019,873	13.93	>50th to 75th Percentile
548.695 -- 1257.326	1,990	15.49	1,641,153	22.42	>75th to 90th Percentile
1264.288 -- 8745.053	1,229	9.56	4,040,923	55.21	>90th to 100th Percentile

FWRWT55 -**Replicated/Jackknife quarterly weight 55**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.328	1,330	10.35	129,557	1.77	Minimum to 10th Percentile
24.884 -- 70.410	1,906	14.83	82,713	1.13	>10th to 25th Percentile
70.628 -- 199.480	3,207	24.96	401,540	5.49	>25th to 50th Percentile
199.573 -- 551.269	3,183	24.77	1,016,803	13.89	>50th to 75th Percentile
552.501 -- 1258.096	1,941	15.11	1,576,773	21.54	>75th to 90th Percentile
1266.763 -- 8633.145	1,282	9.98	4,111,732	56.18	>90th to 100th Percentile

FWRWT56 -**Replicated/Jackknife quarterly weight 56**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.703	1,312	10.21	166,623	2.28	Minimum to 10th Percentile
24.298 -- 69.423	1,920	14.94	82,364	1.13	>10th to 25th Percentile
69.598 -- 198.801	3,218	25.04	401,439	5.48	>25th to 50th Percentile
199.090 -- 541.174	3,188	24.81	1,014,810	13.87	>50th to 75th Percentile
542.487 -- 1260.926	1,930	15.02	1,561,169	21.33	>75th to 90th Percentile
1261.621 -- 8711.773	1,281	9.97	4,092,712	55.92	>90th to 100th Percentile

FWRWT57 -**Replicated/Jackknife quarterly weight 57**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.796	1,307	10.17	155,655	2.13	Minimum to 10th Percentile
24.470 -- 70.297	1,909	14.86	82,055	1.12	>10th to 25th Percentile
70.554 -- 197.635	3,227	25.11	403,041	5.51	>25th to 50th Percentile
198.079 -- 545.257	3,197	24.88	1,020,922	13.95	>50th to 75th Percentile
547.286 -- 1271.880	1,993	15.51	1,648,366	22.52	>75th to 90th Percentile
1275.513 -- 8785.921	1,216	9.46	4,009,079	54.78	>90th to 100th Percentile

FWRWT58 -**Replicated/Jackknife quarterly weight 58**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.606	1,320	10.27	163,903	2.24	Minimum to 10th Percentile
24.325 -- 68.459	1,843	14.34	76,974	1.05	>10th to 25th Percentile
68.538 -- 198.355	3,279	25.52	404,029	5.52	>25th to 50th Percentile
199.073 -- 540.580	3,194	24.86	1,014,533	13.86	>50th to 75th Percentile
541.733 -- 1261.564	1,984	15.44	1,625,241	22.21	>75th to 90th Percentile
1263.338 -- 8807.056	1,229	9.56	4,034,438	55.12	>90th to 100th Percentile

FWRWT59 -**Replicated/Jackknife quarterly weight 59**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 23.905	1,303	10.14	125,156	1.71	Minimum to 10th Percentile
24.601 -- 70.450	1,921	14.95	82,606	1.13	>10th to 25th Percentile
70.571 -- 198.381	3,204	24.94	399,191	5.45	>25th to 50th Percentile
198.769 -- 544.463	3,201	24.91	1,017,486	13.90	>50th to 75th Percentile
545.894 -- 1253.023	1,985	15.45	1,634,901	22.34	>75th to 90th Percentile
1254.206 -- 8833.898	1,235	9.61	4,059,778	55.47	>90th to 100th Percentile

FWRWT60 -**Replicated/Jackknife quarterly weight 60**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
0.000 -- 24.360	1,336	10.40	122,249	1.67	Minimum to 10th Percentile
24.546 -- 69.416	1,854	14.43	79,073	1.08	>10th to 25th Percentile
69.589 -- 199.320	3,267	25.43	406,382	5.55	>25th to 50th Percentile
199.830 -- 541.079	3,162	24.61	1,009,224	13.79	>50th to 75th Percentile
541.893 -- 1258.103	2,011	15.65	1,658,908	22.67	>75th to 90th Percentile
1259.124 -- 8671.441	1,219	9.49	4,043,283	55.24	>90th to 100th Percentile

FWRWT -**Final quarterly weight**

Value	Unweighted Count	Unweighted Percent	Weighted Count	Weighted Percent	Formatted Value
9.593 -- 26.916	1,443	11.23	28,803	0.39	Minimum to 10th Percentile
27.218 -- 74.324	1,775	13.81	86,239	1.18	>10th to 25th Percentile
74.692 -- 199.591	3,225	25.10	418,497	5.72	>25th to 50th Percentile
200.048 -- 535.780	3,145	24.48	1,017,931	13.91	>50th to 75th Percentile
536.688 -- 1241.615	2,040	15.88	1,693,924	23.14	>75th to 90th Percentile
1241.723 -- 8536.140	1,221	9.50	4,073,723	55.66	>90th to 100th Percentile

REFERENCES

- Brick, J.M. and G. Kalton. "Handling Missing Data in Survey Research." *Statistical Methods in Medical Research* 1996; 5: 215-238.
- Brick, J.M., P. Broene, P. James, and J. Severynse. *A User's Guide to WesVarPC*. Version 2.0. Rockville, MD: Westat, Inc., 1996.
- Mathematica Policy Research, Inc. "Health Care Survey of DoD Beneficiaries: 2018 Adult Sampling Report." Report submitted to the TRICARE Management Activity. Washington, DC: Forthcoming.
- Research Triangle Institute (2001). SUDAAN User's Manual, Release 8.0 Research Triangle Park, NC: Research Triangle Institute.
- SAS Institute Inc. (1999), SAS/STAT User's Guide, Version 8, Cary, NC: SAS Institute Inc.
- SAS Institute Inc. (2004), SAS/STAT User's Guide, Version 9, Cary, NC: SAS Institute Inc.
- U.S. Department of Health and Human Services. CAHPS® Survey and Reporting Kit. Rockville, MD 2002.
- Wolter, Kirk M. Introduction of Variance Estimation. New York: Springer-Verlag. 1985.
- Woodruff, R.S. "A Simple Method for Approximating the Variance of a Complicated Estimate." *Journal of the American Statistical Association*, 1971.

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

APPENDIX A

ANNOTATED QUESTIONNAIRE – QUARTER II

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.



Health Care Survey of DoD Beneficiaries

A world-wide survey of beneficiaries
eligible for health care coverage through
the military health system

January 2018

PAGE IS INTENTIONALLY LEFT BLANK TO ALLOW FOR DOUBLE-SIDED COPYING

Military Health Care Survey:

Adult Questionnaire

January 2018

Privacy Advisory

Providing information in this Survey is voluntary. There is no penalty nor will your benefits be affected if you choose not to respond, although maximum participation is encouraged so that the data will be complete and representative.

The Survey was written so that answers should not require you to provide any personally identifiable information (PII), but please be assured that any PII provided will be treated as confidential. Your responses are collected via a secure system which does not collect any information that could be used to determine your identity.

Answering the questions is voluntary; you may stop the Survey at any time.

According to the Privacy Act of 1974 (5 U.S.C. §552a), the Department of Defense is required to inform you of the purposes and use of this survey. Please read it carefully.

Authority: 10 U.S.C. §1074 (Medical and Dental Care for Members and Certain Former Members, as amended by National Defense Authorization Act of 1993, Public Law 102-484, §706); 10 U.S.C. §1074f (Medical Tracking System for Members Deployed Overseas); 32 C.F.R. §199.17 (TRICARE Program); 45 C.F.R. Part 160 Subparts A and E of Part 164 (Health Insurance Portability and Accountability Act of 1996, Privacy Rule); DoD 6025.18-R (Department of Defense Health Information Privacy Regulation); DoD 6025.13-R (Military Health System Clinical Quality Assurance Program Regulation); 64 FR 22837 (DHA 08 – Health Affairs Survey Data Base, April 28, 1999); and, E.O. 9397 (as amended, November 20, 2008, for SSN collection).

Purpose: This survey helps health policy makers gauge beneficiary satisfaction with the current military health care system and provides valuable input from beneficiaries that will be used to improve the Military Health System.

Routine Uses: None.

Disclosure: Participation is voluntary. Failure to respond will not result in any penalty to the respondent; however maximum participation is encouraged so that data will be as complete and representative as possible.

SURVEY INSTRUCTIONS

Thank you for taking the time to participate in this online survey.

Please note, if the survey is idle for more than 5 minutes, you will be logged out automatically to protect your privacy. If that happens, simply wait 15 minutes and log back in. Please keep your password because you may need it later.

During the survey, please do not use your browser's FORWARD and BACK buttons. Instead, please always use the buttons below to move backward and forward through the survey.

To begin, just click on the "Next" button below. This will take you right into the survey.

SURVEY STARTS HERE

As an eligible TRICARE beneficiary, please complete this survey even if you did not receive your health care from a military facility.

Please recognize that some specific questions about TRICARE benefits may not apply to you, depending on your entitlement and particular TRICARE program.

This survey is about the health care of the person whose name appears on the cover letter. The questionnaire should be completed by that person. If you are not the addressee, please give this survey to that person.

Question 1: Are you the person whose name appears on the cover letter?

Variable name: H18001

Editing notes: None

Response	Directions	Value	Percent
Yes	Go to Question 2	1	99.8%
No	Please give this questionnaire to the person addressed on the cover letter.	2	0.2%

Question 2: By which of the following health plans are you currently covered?**MARK ALL THAT APPLY****Variable names:** H18002A, H18002C, H18002F-H18002V**Editing notes:** None**Military Health Plans**

Response	Variable Name	Percent Marked
TRICARE Prime (including most Active Duty, TRICARE Prime Remote, and TRICARE Overseas)	H18002A	44.3%
TRICARE Select (previously known as TRICARE Extra or Standard (CHAMPUS))	H18002C	13.9%
TRICARE Plus	H18002N	0.8%
TRICARE for Life	H18002O	31.1%
TRICARE Supplemental Insurance	H18002P	0.4%
TRICARE Reserve Select	H18002Q	3.2%
TRICARE Retired Reserve	H18002S	1.8%
TRICARE Young Adult Prime	H18002T	0.5%
TRICARE Young Adult Extra or Standard	H18002V	0.4%
Uniformed Services Family Health Plan (USFHP)	H18002K	1.2%
Continued Health Care Benefit Program (CHCBP) (a COBRA-like premium-based health care program)	H18002U	0.1%

Other Health Plans

Response	Variable Name	Percent Marked
Medicare	H18002F	31.4%
Federal Employees Health Benefit Program (FEHBP)	H18002G	2.6%
Medicaid	H18002H	1.3%
A civilian HMO (such as Kaiser)	H18002I	0.9%
Other civilian health insurance (such as Blue Cross)	H18002J	6.2%
The Veterans Administration (VA)	H18002M	7.8%
Government health insurance from a country other than the U.S.	H18002R	0.3%
Not sure	H18002L	5.6%

Question 3: Which health plan did you use for all or most of your healthcare in the last 12 months?**MARK ONLY ONE ANSWER****Variable name:** H18003**Editing notes:** See Note 1

Response	Directions	Value	Percent
TRICARE Prime (including most Active Duty, TRICARE Prime Remote, and TRICARE Overseas)		1	42.4%
TRICARE Extra or Standard (CHAMPUS) (now known as TRICARE Select)		3	10.5%
TRICARE Plus		11	0.6%
TRICARE Reserve Select		12	3.4%
TRICARE Retired Reserve		14	1.0%
TRICARE Young Adult Prime		15	0.3%
TRICARE Young Adult Extra or Standard		17	0.3%
Uniformed Services Family Health Plan (USFHP)		9	1.1%
Continued Health Care Benefit Program (CHCBP) (a COBRA-like premium-based health care program)		16	0.1%
Medicare (may include TRICARE for Life)		4	25.8%
Federal Employees Health Benefit Program (FEHBP)		5	1.6%
Medicaid		6	0.3%
A civilian HMO (such as Kaiser)		7	0.7%
Other civilian health insurance (such as Blue Cross)		8	4.8%
The Veterans Administration (VA)		10	3.7%
Government health insurance from a country other than the U.S.		13	0.4%
Not sure	Go to Question 5	-5	3.0%
Did not use any health plan in the last 12 months	Go to Question 5	-6	

For the remainder of this questionnaire, the term health plan refers to the plan you indicated in Question 3.

Question 4: How many months or years in a row have you been in this health plan?**Variable name:** H18004**Editing notes:** See Note 1

Response	Value	Percent
Less than 6 months	1	1.4%
At least 6 months but less than 12 months	2	4.6%
At least 12 months but less than 24 months	3	7.2%
At least 2 years but less than 5 years	4	20.0%
At least 5 years but less than 10 years	5	21.6%
10 or more years	6	45.3%

YOUR HEALTH CARE IN THE LAST 12 MONTHS

These questions ask about your own health care. Do not include care you got when you stayed overnight in a hospital. Do not include the times you went for dental care visits.

Question 5: In the last 12 months, did you have an illness, injury, or condition that needed care right away in a clinic, emergency room, or doctor's office?

Variable name: H18006

Editing notes: See Note 2

Response	Directions	Value	Percent
Yes		1	46.7%
No	Go to Question 8	2	53.3%

Question 6: In the last 12 months, when you needed care right away, how often did you get care as soon as you needed?

Variable name: H18007

Editing notes: See Note 2

Response	Value	Percent
Never	1	2.2%
Sometimes	2	10.1%
Usually	3	19.9%
Always	4	67.7%
I didn't need care right away for an illness, injury or condition in the last 12 months	-6	

Question 7: In the last 12 months, when you needed care right away for an illness, injury, or condition, how long did you usually have to wait between trying to get care and actually seeing a provider?

Variable name: H18008

Editing notes: See Note 2

Response	Value	Percent
Same day	1	62.0%
1 day	2	13.5%
2 days	3	7.6%
3 days	4	3.6%
4-7 days	5	6.1%
8-14 days	6	3.7%
15 days or longer	7	3.4%
I didn't need care right away for an illness, injury or condition in the last 12 months	-6	

Question 8: In the last 12 months, not counting the times you needed health care right away, did you make any appointments for your health care at a doctor's office or clinic?

Variable name: H18009

Editing notes: See Note 3

Response	Directions	Value	Percent
Yes		1	85.8%
No	Go to Question 11	2	14.2%

Question 9: In the last 12 months, how often did you get an appointment for a check-up or routine care at a doctor's office or clinic as soon as you needed?

Variable name: H18010

Editing notes: See Note 3

Response	Value	Percent
Never	1	3.3%
Sometimes	2	17.1%
Usually	3	28.1%
Always	4	51.5%
I had no appointments in the last 12 months	-6	

Question 10: In the last 12 months, not counting the times you needed health care right away, how many days did you usually have to wait between making an appointment and actually seeing a provider?

Variable name: H18011

Editing notes: See Note 3

Response	Value	Percent
Same day	1	7.7%
1 day	2	9.3%
2-3 days	3	22.4%
4-7 days	4	22.7%
8-14 days	5	17.8%
15-30 days	6	12.9%
31 days or longer	7	7.2%
I had no appointments in the last 12 months	-6	

Question 11: In the last 12 months, how many times did you go to an emergency room to get care for yourself?

Variable name: H18012

Editing notes: None

Response	Value	Percent
None	1	71.7%
1	2	18.2%
2	3	6.0%
3	4	2.4%
4	5	1.2%
5 to 9	6	0.4%
10 or more	7	0.1%

Question 12: In the last 12 months (not counting times you went to an emergency room), how many times did you go to a doctor's office or clinic to get health care for yourself?

Variable name: H18013

Editing notes: See Note 4

Response	Directions	Value	Percent
None	Go to Question 19	1	12.6%
1		2	11.3%
2		3	16.8%
3		4	15.3%
4		5	14.3%
5 to 9		6	20.4%
10 or more		7	9.4%

Question 13: In the last 12 months, how often did you and a doctor or other health provider talk about specific things you could do to prevent illness?

Variable name: H18014

Editing notes: See Note 4

Response	Value	Percent
Never	1	12.1%
Sometimes	2	25.1%
Usually	3	29.4%
Always	4	33.4%

Question 14: Choices for your treatment or health care can include choices about medicine, surgery, or other treatment. In the last 12 months, did a doctor or other health provider tell you there was more than one choice for your treatment or health care?

Variable name: H18015

Editing notes: See Notes 4 and 5

Response	Directions	Value	Percent
Yes	Go to Question 17	1	61.3%
No		2	38.7%

Question 15: In the last 12 months, did a doctor or other health provider talk with you about the pros and cons of each choice for your treatment or health care?

Variable name: H18016

Editing notes: See Notes 4 and 5

Response	Value	Percent
Definitely yes	1	68.3%
Somewhat yes	2	27.7%
Somewhat no	3	2.7%
Definitely no	4	1.3%

Question 16: In the last 12 months, when there was more than one choice for your treatment or health care, did a doctor or other health provider ask which choice you thought was best for you?

Variable name: H18017

Editing notes: See Notes 4 and 5

Response	Value	Percent
Definitely yes	1	60.4%
Somewhat yes	2	30.4%
Somewhat no	3	5.8%
Definitely no	4	3.4%

Question 17: Using any number from 0 to 10, where 0 is the worst health care possible and 10 is the best health care possible, what number would you use to rate all your health care in the last 12 months?

Variable name: H18018

Editing notes: See Note 4

Response	Value	Percent
0 – Worst health care possible	0	0.7%
1	1	0.5%
2	2	0.7%
3	3	1.6%
4	4	1.9%
5	5	4.9%
6	6	5.5%
7	7	10.6%
8	8	20.6%
9	9	19.9%
10 – Best health care possible	10	33.1%
I had no visits in the last 12 months	-6	

Question 18: In the last 12 months, how often was it easy to get the care, tests, or treatment you needed?

Variable name: H18033

Editing notes: See Note 4

Response	Value	Percent
Never	1	2.0%
Sometimes	2	14.2%
Usually	3	33.0%
Always	4	50.8%

YOUR PERSONAL DOCTOR

Question 19: A personal doctor is the one you would see if you need a checkup, want advice about a health problem, or get sick or hurt. Do you have a personal doctor?

Variable name: H18019

Editing notes: See Note 6

Response	Directions	Value	Percent
Yes		1	79.4%
No	Go to Question 29	2	20.6%

Question 20: In the last 12 months, how many times did you visit your personal doctor to get care for yourself?

Variable name: H18020

Editing notes: See Notes 6 and 7

Response	Directions	Value	Percent
None	Go to Question 25	0	8.0%
1		1	18.9%
2		2	26.7%
3		3	17.6%
4		4	15.4%
5 to 9		5	11.1%
10 or more		6	2.3%

Question 21: In the last 12 months, how often did your personal doctor listen carefully to you?

Variable name: H18021

Editing notes: See Notes 6 and 7

Response	Value	Percent
Never	1	0.9%
Sometimes	2	6.4%
Usually	3	16.7%
Always	4	76.0%
I had no visits in the last 12 months	-6	

Question 22: In the last 12 months, how often did your personal doctor explain things in a way that was easy to understand?

Variable name: H18022

Editing notes: See Notes 6 and 7

Response	Value	Percent
Never	1	0.4%
Sometimes	2	4.5%
Usually	3	18.2%
Always	4	76.8%
I had no visits in the last 12 months	-6	

Question 23: In the last 12 months, how often did your personal doctor show respect for what you had to say?

Variable name: H18023

Editing notes: See Notes 6 and 7

Response	Value	Percent
Never	1	0.9%
Sometimes	2	4.9%
Usually	3	13.5%
Always	4	80.7%
I had no visits in the last 12 months	-6	

Question 24: In the last 12 months, how often did your personal doctor spend enough time with you?

Variable name: H18024

Editing notes: See Notes 6 and 7

Response	Value	Percent
Never	1	1.9%
Sometimes	2	6.3%
Usually	3	22.4%
Always	4	69.4%
I had no visits in the last 12 months	-6	

Question 25: In the last 12 months, did you get care from a doctor or other health provider besides your personal doctor?

Variable name: H18025

Editing notes: See Notes 6, 7, and 8

Response	Directions	Value	Percent
Yes		1	76.2%
No	Go to Question 27	2	23.8%

Question 26: In the last 12 months, how often did your personal doctor seem informed and up-to-date about the care you got from these doctors or other health providers?

Variable name: H18026

Editing notes: See Notes 6, 7, and 8

Response	Value	Percent
Never	1	7.0%
Sometimes	2	14.8%
Usually	3	31.4%
Always	4	46.8%

Question 27: Using any number from 0 to 10, where 0 is the worst personal doctor possible and 10 is the best personal doctor possible, what number would you use to rate your personal doctor?

Variable name: H18027

Editing notes: See Note 6

Response	Value	Percent
0 – Worst personal doctor possible	0	0.7%
1	1	0.6%
2	2	0.6%
3	3	1.2%
4	4	1.0%
5	5	4.2%
6	6	3.5%
7	7	8.0%
8	8	15.3%
9	9	23.6%
10 – Best personal doctor possible	10	41.4%
I don't have a personal doctor	-6	

Question 28: Did you have the same personal doctor before you joined this health plan?

Variable name: S18009

Editing notes: See Notes 6 and 8_01

Response	Directions	Value	Percent
Yes	Go to Question 30	1	28.6%
No		2	71.4%

Question 29: Since you joined your health plan, how much of a problem, if any, was it to get a personal doctor you are happy with?

Variable name: S18010

Editing notes: See Note 8_01

Response	Value	Percent
A big problem	1	12.3%
A small problem	2	23.5%
Not a problem	3	64.2%

GETTING HEALTH CARE FROM A SPECIALIST

When you answer the next questions, do not include dental visits or care you got when you stayed overnight in a hospital.

Question 30: Specialists are doctors like surgeons, heart doctors, allergy doctors, skin doctors, and other doctors who specialize in one area of health care. In the last 12 months, did you try to make any appointments to see a specialist?

Variable name: H18028

Editing notes: See Note 9

Response	Directions	Value	Percent
Yes		1	61.8%
No	Go to Question 34	2	38.2%

Question 31: In the last 12 months, how often did you get an appointment to see a specialist as soon as you needed?

Variable name: H18029

Editing notes: See Note 9

Response	Value	Percent
Never	1	5.5%
Sometimes	2	14.3%
Usually	3	30.4%
Always	4	49.8%
I didn't need a specialist in the last 12 months	-6	

Question 32: How many specialists have you seen in the last 12 months?

Variable name: H18030

Editing notes: See Notes 9 and 10

Response	Directions	Value	Percent
None	Go to Question 34	0	3.0%
1 specialist		1	34.7%
2		2	31.8%
3		3	18.2%
4		4	6.7%
5 or more specialists		5	5.6%

Question 33: We want to know your rating of the specialist you saw most often in the last 12 months. Using any number from 0 to 10 where 0 is the worst specialist possible and 10 is the best specialist possible, what number would you use to rate the specialist?

Variable name: H18031

Editing notes: See Notes 9 and 10

Response	Value	Percent
0 – Worst specialist possible	0	0.6%
1	1	0.2%
2	2	0.6%
3	3	1.1%
4	4	0.7%
5	5	3.4%
6	6	3.3%
7	7	7.5%
8	8	16.3%
9	9	22.6%
10 – Best specialist possible	10	43.8%
I didn't see a specialist in the last 12 months	-6	

YOUR HEALTH PLAN

The next questions ask about your experience with your health plan. By your health plan, we mean the health plan you marked in Question 3.

Question 34: In the last 12 months, did you look for any information in written materials or on the Internet about how your health plan works?

Variable name: H18034

Editing notes: See Note 12

Response	Directions	Value	Percent
Yes		1	33.6%
No	Go to Question 36	2	66.4%

Question 35: In the last 12 months, how often did the written material or the Internet provide the information you needed about how your plan works?

Variable name: H18035

Editing notes: See Note 12

Response	Value	Percent
Never	1	3.6%
Sometimes	2	30.9%
Usually	3	43.2%
Always	4	22.3%
I didn't look for information from my health plan in the last 12 months	-6	

Question 36: Sometimes people need services or equipment beyond what is provided in a regular or routine office visit, such as care from a specialist, physical therapy, a hearing aid, or oxygen. In the last 12 months, did you look for information from your health plan on how much you would have to pay for a health care service or equipment?

Variable name: H18036

Editing notes: See Note 13

Response	Directions	Value	Percent
Yes		1	17.1%
No	Go to Question 38	2	82.9%

Question 37: In the last 12 months, how often were you able to find out from your health plan how much you would have to pay for a health care service or equipment?

Variable name: H18037

Editing notes: See Note 13

Response	Value	Percent
Never	1	15.4%
Sometimes	2	25.3%
Usually	3	30.8%
Always	4	28.5%
I didn't need a health care service or equipment from my health plan in the last 12 months	-6	

Question 38: In some health plans, the amount you pay for a prescription medicine can be different for different medicines, or can be different for prescriptions filled by mail instead of at the pharmacy. In the last 12 months, did you look for information from your health plan on how much you would have to pay for specific prescription medicines?

Variable name: H18038

Editing notes: See Note 14

Response	Directions	Value	Percent
Yes		1	19.8%
No	Go to Question 40	2	80.2%

Question 39: In the last 12 months, how often were you able to find out from your health plan how much you would have to pay for specific prescription medications?

Variable name: H18039

Editing notes: See Note 14

Response	Value	Percent
Never	1	11.3%
Sometimes	2	21.2%
Usually	3	27.1%
Always	4	40.3%
I didn't need prescription medications from my health plan in the last 12 months	-6	

Question 40: In the last 12 months, did you try to get information or help from your health plan's customer service?

Variable name: H18040

Editing notes: See Note 15

Response	Directions	Value	Percent
Yes		1	26.7%
No	Go to Question 43	2	73.3%

Question 41: In the last 12 months, how often did your health plan's customer service give you the information or help you needed?

Variable name: H18041

Editing notes: See Note 15

Response	Value	Percent
Never	1	6.1%
Sometimes	2	22.0%
Usually	3	27.6%
Always	4	44.3%
I didn't call my health plan's customer service in the last 12 months	-6	

Question 42: In the last 12 months, how often did your health plan's customer service staff treat you with courtesy and respect?

Variable name: H18042

Editing notes: See Note 15

Response	Value	Percent
Never	1	2.5%
Sometimes	2	8.8%
Usually	3	22.3%
Always	4	66.4%
I didn't call my health plan's customer service in the last 12 months	-6	

Question 43: In the last 12 months, did your health plan give you any forms to fill out?

Variable name: H18043

Editing notes: See Note 16

Response	Directions	Value	Percent
Yes		1	21.9%
No	Go to Question 45	2	78.1%

Question 44: In the last 12 months, how often were the forms from your health plan easy to fill out?

Variable name: H18044

Editing notes: See Note 16

Response	Value	Percent
Never	1	2.7%
Sometimes	2	12.6%
Usually	3	41.7%
Always	4	43.0%
I didn't have any experiences with paperwork for my health plan in the last 12 months	-6	

Question 45: Claims are sent to a health plan for payment. You may send in the claims yourself, or doctors, hospitals, or others may do this for you. In the last 12 months, did you or anyone else send in any claims to your health plan?

Variable name: H18045

Editing notes: See Note 17

Response	Directions	Value	Percent
Yes		1	45.5%
No	Go to Question 48	2	32.9%
Don't know	Go to Question 48	-5	21.7%

Question 46: In the last 12 months, how often did your health plan handle your claims quickly?

Variable name: H18046

Editing notes: See Note 17

Response	Value	Percent
Never	1	3.1%
Sometimes	2	7.6%
Usually	3	30.4%
Always	4	44.0%
Don't know	-5	15.0%
No claims were sent for me in the last 12 months	-6	

Question 47: In the last 12 months, how often did your health plan handle your claims correctly?

Variable name: H18047

Editing notes: See Note 17

Response	Value	Percent
Never	1	1.9%
Sometimes	2	7.5%
Usually	3	26.1%
Always	4	52.1%
Don't know	-5	12.4%
No claims were sent for me in the last 12 months	-6	

Question 48: Using any number from 0 to 10 where 0 is the worst health plan possible and 10 is the best health plan possible, what number would you use to rate your health plan?

Variable name: H18048

Editing notes: None

Response	Value	Percent
0 – Worst health plan possible	0	0.6%
1	1	0.6%
2	2	0.8%
3	3	1.5%
4	4	1.3%
5	5	5.9%
6	6	5.2%
7	7	11.6%
8	8	19.1%
9	9	21.4%
10 – Best health plan possible	10	32.0%

PREVENTIVE CARE

Preventive care is medical care you receive that is intended to maintain your good health or prevent a future medical problem. A physical or blood pressure screening are examples of preventive care.

Question 49: When did you last have a blood pressure reading?

Variable name: H18049

Editing notes: None

Response	Value	Percent
Less than 12 months ago	3	93.7%
1 to 2 years ago	2	4.9%
More than 2 years ago	1	1.4%

Question 50: Do you know if your blood pressure is too high?

Variable name: H18050

Editing notes: None

Response	Value	Percent
Yes, it is too high	1	17.7%
No, it is not too high	2	76.7%
Don't know	3	5.6%

Question 51: When did you last have a flu shot?

Variable name: H18051

Editing notes: None

Response	Value	Percent
Less than 12 months ago	4	73.6%
1 to 2 years ago	3	9.0%
More than 2 years ago	2	9.7%
Never had a flu shot	1	7.7%

Question 52: Have you ever smoked at least 100 cigarettes in your entire life?

Variable name: H18052

Editing notes: None

Response	Value	Percent
Yes	1	33.5%
No	2	64.4%
Don't know	-5	2.1%

Question 53: Do you now smoke cigarettes or use tobacco every day, some days or not at all?

Variable name: H18053

Editing notes: See Note 18

Response	Directions	Value	Percent
Every day		4	4.8%
Some days		3	4.3%
Not at all	Go to Question 58	2	90.4%
Don't know	Go to Question 58	-5	0.5%

Question 54: In the last 12 months, how often were you advised to quit smoking or using tobacco by a doctor or other health provider in your plan?

Variable name: H18054

Editing notes: See Note 18

Response	Value	Percent
Never	1	23.8%
Sometimes	2	19.8%
Usually	3	20.4%
Always	4	36.0%

Question 55: In the last 12 months, how often was medication recommended or discussed by a doctor or health provider to assist you with quitting smoking or using tobacco? Examples of medication are: nicotine gum, patch, nasal spray, inhaler, or prescription medication.

Variable name: H18055

Editing notes: See Note 18

Response	Value	Percent
Never	1	46.3%
Sometimes	2	21.4%
Usually	3	15.3%
Always	4	17.0%

Question 56: In the last 12 months, how often did your doctor or health provider discuss or provide methods and strategies other than medication to assist you with quitting smoking or using tobacco? Examples of methods and strategies are: telephone helpline, individual or group counseling, or cessation program.

Variable name: H18056

Editing notes: See Note 18

Response	Value	Percent
Never	1	50.4%
Sometimes	2	21.3%
Usually	3	15.7%
Always	4	12.7%

Question 57: On the days you smoke or use tobacco products, what type of product do you smoke or use?

MARK ALL THAT APPLY

Variable names: H18057A-H18057D

Editing notes: See Note 18

Response	Variable Name	Percent Marked
Cigarettes	H18057A	57.8%
Dip, chewing tobacco, snuff or snus	H18057B	22.9%
Cigars	H18057C	13.5%
Pipes, bidis, or kreteks (Pipes include hookahs. Bidis are small, brown, hand-rolled cigarettes from India and other Southeast Asian countries. Kreteks are clove cigarettes made in Indonesia that contain clove extract and tobacco.)	H18057D	4.3%

Question 58: Do you now use electronic cigarettes every day, some days, or not at all?

Variable name: S18BF4

Editing notes: None

Response	Value	Percent
Every day	1	1.3%
Some days	2	1.5%
Not at all	3	96.9%
Don't know	-5	0.3%

Question 59: Are you male or female?

Variable name: H18058

Editing notes: See Note 19A

Response	Directions	Value	Percent
Male	Go to Question 66	1	48.9%
Female		2	51.1%

Question 60: When did you last have a Pap smear test?

Variable name: H18059B

Editing notes: See Notes 19A and 19B

Response	Value	Percent
Within the last 12 months	6	33.6%
1 to 2 years ago	5	23.3%
More than 2 but less than 3 years ago	4	9.8%
More than 3 but less than 5 years ago	3	7.9%
5 or more years ago	2	18.9%
Never had a pap smear test	1	6.4%

Question 61: Are you under age 40?**Variable name:** H18060**Editing notes:** See Notes 19A, 19B, and 20

Response	Directions	Value	Percent
Yes	Go to Question 63	1	34.7%
No		2	65.3%

Question 62: When was the last time your breasts were checked by mammography?**Variable name:** H18061**Editing notes:** See Notes 19A, 19B, and 20

Response	Value	Percent
Within the last 12 months	5	63.6%
1 to 2 years ago	4	17.2%
More than 2 but less than 5 years ago	3	8.0%
5 or more years ago	2	6.7%
Never had a mammogram	1	4.6%

Question 63: Have you been pregnant in the last 12 months or are you pregnant now?**Variable name:** H18062**Editing notes:** See Notes 19A, 19B, and 21

Response	Directions	Value	Percent
Yes, I am currently pregnant		1	2.2%
No, I am not currently pregnant, but have been pregnant in the past 12 months	Go to Question 65	2	4.4%
No, I am not currently pregnant, and have not been pregnant in the past 12 months	Go to Question 66	3	93.4%

Question 64: In what trimester is your pregnancy?**Variable name:** H18063**Editing notes:** See Notes 19A, 19B, and 21

Response	Directions	Value	Percent
First trimester (up to 12 weeks after 1 st day of last period)	Go to Question 66	1	30.0%
Second trimester (13 th through 27 th week)		2	36.7%
Third trimester (28 th week until delivery)		3	33.4%

Question 65: In which trimester did you first receive prenatal care?**Variable name:** H18064**Editing notes:** See Notes 19A, 19B, and 21

Response	Value	Percent
First trimester (up to 12 weeks after 1 st day of last period)	4	86.4%
Second trimester (13 th through 27 th week)	3	5.0%
Third trimester (28 th week until delivery)	2	0.0%
Did not receive prenatal care	1	8.6%

ABOUT YOU

Question 66: Would you say that in general your health is excellent, very good, good, fair, or poor?

Variable name: H18065

Editing notes: None

Response	Value	Percent
Excellent	5	14.6%
Very good	4	38.5%
Good	3	33.4%
Fair	2	11.4%
Poor	1	2.2%

Question 67: What is the highest grade or level of school that you have completed?

Variable name: SREDA

Editing notes: None

Response	Value	Percent
8 th grade or less	1	0.3%
Some high school, but did not graduate	2	2.0%
High school graduate or GED	3	17.4%
Some college or 2-year degree	4	39.7%
4-year college graduate	5	17.4%
More than 4-year college degree	6	23.2%

Question 68: Are you of Hispanic or Latino origin or descent? (Mark "NO" if not Spanish/Hispanic/Latino.)

MARK ALL THAT APPLY

Variable names: H18073A-H18073E, H18073

Editing notes: See Note 24

Response	Variable Name	H18073 Value	Percent Marked
No, not Spanish, Hispanic, or Latino	H18073A	1	86.1%
Yes, Mexican, Mexican American, Chicano	H18073B	2	4.2%
Yes, Puerto Rican	H18073C	3	2.4%
Yes, Cuban	H18073D	4	0.5%
Yes, other Spanish, Hispanic, or Latino	H18073E	5	4.5%

Question 69: What is your race?

MARK ALL THAT APPLY

Variable names: SRRACEA-SRRACEE

Editing notes: None

Response	Variable Name	Percent Marked
White	SRRACEA	78.3%
Black or African American	SRRACEB	11.0%
American Indian or Alaska Native	SRRACEC	3.6%
Asian (e.g., Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese)	SRRACED	7.1%
Native Hawaiian or other Pacific Islander (e.g., Samoan, Guamanian or Chamorro)	SRRACEE	1.1%

Question 70: What is your age now?

Variable name: SRAGE

Editing notes: None

Response	Value	Percent
18 to 24	1	13.0%
25 to 34	2	15.6%
35 to 44	3	12.5%
45 to 54	4	8.9%
55 to 64	5	18.5%
65 to 74	6	19.2%
75 or older	7	12.2%

Question 71: Using a scale of 1 to 5, with 1 being “strongly disagree” and 5 being “strongly agree”, how much do you agree with the following statement: In general, I am able to see my provider(s) when needed?

Variable name: S18011

Editing notes: None

Response	Value	Percent
Strongly disagree	1	4.8%
Disagree	2	5.6%
Neither agree nor disagree	3	10.8%
Agree	4	39.7%
Strongly agree	5	39.1%

Question 72: Using a scale of 1 to 5, with 1 being “completely dissatisfied” and 5 being “completely satisfied”, how satisfied are you, overall, with the health care you received during your last visit?

Variable name: S18014

Editing notes: None

Response	Value	Percent
Completely dissatisfied	1	3.4%
Somewhat dissatisfied	2	4.0%
Neither satisfied nor dissatisfied	3	7.9%
Somewhat satisfied	4	25.1%
Completely satisfied	5	59.6%

Question 73: How tall are you without your shoes on? Please give your answer in feet and inches.

Variable name: H18071F, H18071I

Editing notes: See Note 23_HT

Response	Example feet	Example inches	Percent of responses
Please give your answer in feet and inches. Please write one number in each box.	5	06	95.0%

Question 74: How much do you weigh without your shoes on? Please give your answer in pounds.

Variable name: H18072

Editing notes: See Note 23_WT

Response	Example pounds	Percent of responses
Please give your answer in pounds. Please write one number in each box.	152	94.7%

THANK YOU FOR TAKING THE TIME TO COMPLETE THE SURVEY!

Your generous contribution will greatly aid efforts to improve the health of our military community.

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

APPENDIX B

SURVEY FIELDING LETTERS – QUARTER II

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.



DEFENSE
HEALTH AGENCY

SAMPLE INVITATION LETTER - Quarter II
**OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
HEALTH AFFAIRS**

7700 ARLINGTON BOULEVARD, SUITE 5101
FALLS CHURCH, VIRGINIA 22042-5101

1234567890 17026496 8201 2001
SSGT JANE DOE
222 S. RIVERSIDE DRIVE
CHICAGO, IL 60606-5809

Dear SSGT JANE DOE:

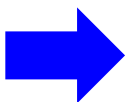
You have been selected to participate in the January 2018 Health Care Survey of Department of Defense Beneficiaries, or HCSDB. **We survey fewer than 1% of all TRICARE beneficiaries, so your response matters!**

We at the DoD are working hard to make sure TRICARE beneficiaries get access to the quality health care they deserve, but we can't do it without your help. **Even if you do not regularly use TRICARE, your response to this 15-minute survey will help ensure quality health care for you and others in the TRICARE community. Please help and respond today!**

Web site: <http://www.health.mil/healthsurveys>

Select Survey #1: Health Care Survey of DoD Beneficiaries (HCSDB)

Survey ID: **1234567890** Your password: **5654321**



- **Reply Online by 2/28/2018**
- **See the back page of this letter for more information about this survey**
- **We need your response to help Service members, retirees, and families get the best health care**

Thank you for your valuable time. It is greatly appreciated. Sincerely,

Richard R. Bannick, Ph. D., FACHE
Decision Support Division/Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

Complete the Survey Online!

<http://www.health.mil/healthsurveys>

Survey ID: 1234567890

Password: 5654321



To verify the legitimacy of this survey, please go to <http://www.health.mil/healthsurveys>, and click on "Current Active Surveys".
You can locate the survey by name or by its DoD RCS License Number - RCS# DD-HA(A) 1942.



DEFENSE
HEALTH AGENCY

SAMPLE REMINDER LETTER, NO QUESTIONNAIRE - Quarter II
**OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
HEALTH AFFAIRS**

7700 ARLINGTON BOULEVARD, SUITE 5101
FALLS CHURCH, VIRGINIA 22042-5101

1234567890 1702649601 8202 2001
SSGT JANE DOE
222 S. RIVERSIDE DRIVE
CHICAGO, IL 60606-5809

Dear SSGT JANE DOE:

You are not just a number – we really want to know your opinions on your TRICARE health plan. Recently, we sent you an invitation to complete the **Health Care Survey of DoD Beneficiaries**. If you have already responded, we sincerely thank you! If you have not responded, you still have time to help. Please consider setting aside a few minutes to complete the survey. **Your response will benefit you and your family as well as other military families.**

Retired? No longer in the military? Don't use TRICARE? **We still want to hear from you!**

It's easy to respond to this important, **15 minute survey online:**

Web site: <http://www.health.mil/healthsurveys>

Select Survey #1: Health Care Survey of DoD Beneficiaries (HCSDB)

Survey ID: **1234567890** Your password: **5654321**

- **Please Reply by 3/15/2018**
- **Your answers will be kept confidential**
- **See the back page of this letter for more information about this survey**

Thank you. Your response is greatly appreciated. Sincerely,

Richard R. Bannick, Ph. D., FACHE
Decision Support Division/Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to <http://www.health.mil/healthsurveys> and click on "Current Active Surveys".
You can locate the survey by name or by its DoD RCS License Number - RCS# DD-HA(A) 1942.

Complete the Survey Online!

<http://www.health.mil/healthsurveys>

Survey ID: 1234567890

Password: 5654321





DEFENSE
HEALTH AGENCY

SAMPLE REMINDER LETTER WITH QUESTIONNAIRE - Quarter II
**OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
HEALTH AFFAIRS**

7700 ARLINGTON BOULEVARD, SUITE 5101
FALLS CHURCH, VIRGINIA 22042-5101

1234567890 1702649601 8212 2001
SSGT JANE DOE
222 S. RIVERSIDE DRIVE
CHICAGO, IL 60606-5809

Dear SSGT JANE DOE:

You are not just a number – we really want to know your opinions on your TRICARE health plan. Recently, we sent you an invitation to complete the Health Care Survey of DoD Beneficiaries. If you have already responded, we sincerely thank you! If you have not responded, you still have time to help. **Your survey response will benefit you and your family as well as other military families.**

Retired? No longer in the military? Don't use TRICARE? **We still want to hear from you!**

There are two easy ways to respond to this important 15 minute survey:

1. Complete the enclosed survey and return it in the postage-paid envelope.

OR

2. Complete the survey online:

Web site: <http://www.health.mil/healthsurveys>

Select Survey #1: Health Care Survey of DoD Beneficiaries (HCSDB)

Survey ID: **1234567890** Your password: **5654321**

- Please Reply by 3/15/2018
- Your answers will be kept confidential
- See the back page of this letter for more information about this survey

Thank you. Your response is greatly appreciated. Sincerely,

Richard R. Bannick, Ph. D., FACHE
Decision Support Division/Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to <http://www.health.mil/healthsurveys> and click on "Current Active Surveys".
You can locate the survey by name or by its DoD RCS License Number - RCS# DD-HA(A) 1942.

Complete the Survey Online!

<http://www.health.mil/healthsurveys>

Survey ID: 1234567890

Password: 5654321



SAMPLE INSTRUCTIONS AND FREQUENTLY ASKED QUESTIONS - Quarter II

Access the survey in 4 easy steps

1

Please **open a web browser**. Here are some common browser icons:

MICROSOFT INTERNET EXPLORER



GOOGLE CHROME



APPLE SAFARI



MOZILLA FIREFOX



2

Locate the browser's address box, which is at the top of the window, and **type the web address as follows**. **<http://www.health.mil/healthsurveys>**



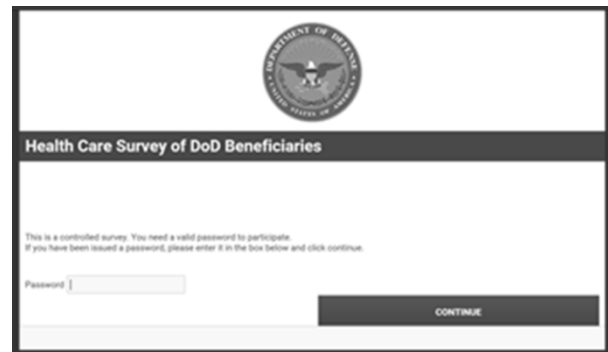
3

Press the Enter key on your keyboard and you will go to the Health Survey Portal. Click the **"Select Survey #1"** in the left box, Survey #1: Health Care Surveys of DoD Beneficiaries (HCSDB).



4

This will take you to the survey home page, which looks like the image below. Once there, **enter your password** to begin the survey.



Frequently Asked Questions

What is this survey about?

This survey is not about a particular health care visit, but about your health care experiences overall. Even if you don't use TRICARE now, either on a military installation or in a civilian provider's office, we still want to understand your health care experiences.

Why should I respond to this Survey?

We need your responses, not just responses from other people. The results are used to evaluate the services you have received in meeting your health care needs either through TRICARE or any other health insurance plan. Your feedback will benefit not only you and your family, but also other fellow military families. DoD takes this survey very seriously and your input is truly critical to our efforts.

What happens to my answers?

Your answers will be kept confidential, and the survey vendor DoD has contracted with to field this survey will not share any information that could identify you. Your participation is voluntary and will not affect your health benefits.

Who do I contact if I want more information before responding?

If you have questions about the survey or don't want to participate, please send an email to **dod.health@ipsos-research.com**; or please call **1-866-482-0653**; or send a fax to **1-877-648-9563**. For prompt assistance, please include your survey ID number. For questions related to TRICARE, please go to www.tricare.mil/contactus, or for the East Region call 1-844-204-9351, West Region call 1-800-558-1746.

SAMPLE EMAIL 1 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

You have been selected to participate in the January 2018 Health Care Survey of Department of Defense Beneficiaries, or HCSDb. This is an important survey and YOUR RESPONSE TRULY COUNTS!

As a serving member of the U.S. Military, you deserve the highest quality of health care. It is my job to help make sure you get it, and we need to hear from you on how we're doing.

Even if you do not regularly use TRICARE, your response to this survey will help us identify how to serve you better.

Please complete this 15 minute survey by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health System and the Defense Health Agency. If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to
<http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

SAMPLE EMAIL 2 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

I sent a message to you last week inviting you to participate in the January 2018 Health Care Survey of Department of Defense Beneficiaries, or HCSDB. We have not heard from you, and **YOUR RESPONSE TRULY COUNTS!**

Please complete this 15 minute survey by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health System and the Defense Health Agency.

If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to <http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

SAMPLE EMAIL 3 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

I know your time is valuable. I hope you will help me with an equally valuable effort to make sure YOU get great health care. The January 2018 Health Care Survey of Department of Defense Beneficiaries, or HCSDB, is happening now, and YOUR RESPONSE TRULY COUNTS!

Please complete this 15 minute survey by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health System and the Defense Health Agency.

If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to
<http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

SAMPLE EMAIL 4 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

I am contacting you today on behalf of the Military Health System (MHS). We know your time is valuable and we would appreciate if you would spend a few moments of it responding to the January 2018 Health Care Survey of Department of Defense Beneficiaries, or HCSDB.

By hearing about your experiences with the MHS, including what's working for you and what isn't, we can learn how to improve the quality of care delivered to the beneficiaries we serve.

Please complete the survey by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health

If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to
<http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

SAMPLE EMAIL 5 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

I know your time is valuable, and you may have several other requests to complete surveys. The question is: what do those surveys seek to accomplish?

The January 2018 Health Care Survey of Department of Defense Beneficiaries, or HCSDB, will guide changes to improve health care for Service Members and their families. If there's something we could do better to serve you, we need to hear it from you.

Please take 15 minutes to complete the survey by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health System and the Defense Health Agency.

If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to
<http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

SAMPLE EMAIL 6 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

I know your time is valuable, and you may have several other requests to complete surveys. The question is: what do those surveys seek to accomplish?

The January 2018 Health Care Survey of Department of Defense Beneficiaries, or HCSDB, will guide changes to improve health care for Service Members and their families. If there's something we could do better to serve you, we need to hear it from you.

Please take 15 minutes to complete the survey by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health System and the Defense Health Agency.

If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to <http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

SAMPLE EMAIL 7 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

Many of your fellow Service members have already responded to this survey, but we need more responses from Service Members like you! Don't let your own experiences with TRICARE be overshadowed by the beneficiaries who do respond.

The results of our survey inform DoD, Congress and other Government agencies - so let your voice be heard!

Please take 15 minutes to complete the survey by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health System and the Defense Health Agency.

If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to <http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

SAMPLE EMAIL 8 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

The HCSDB survey is almost out of time. We still need to hear about your health care experiences. Will you aid our cause of evaluating the TRICARE program? The results of the survey can influence change, but ONLY if enough individuals respond. Please take just a few minutes to complete the survey by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health System and the Defense Health Agency.

If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to <http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

SAMPLE EMAIL 9 - Quarter II

[DATE]

[MIQ]

The following e-mail and its contents have been approved by the Department of Defense. DoD RCS License Number - RCS# DD-HA(A) 1942. This e-mail was sent to you by an approved government contractor on behalf of the DoD.

Dear [RANKCD] [PN1STNM] [PNLSTNM]:

The end of our survey field period is almost here. This is a great opportunity for individuals like you to submit important and influential feedback on TRICARE. Don't let others speak for you – as a member of the United States military, your opinions on TRICARE should be heard.

Please take just a few minutes to complete the by visiting the link below.

Web site: <http://www.health.mil/healthsurveys>

Select survey #1

Your password: [PASSWORD]

The attached survey invitation letter contains an active link to the Health Survey Portal at Health.mil, the official website of the Military Health System and the Defense Health Agency.

If you need help accessing the survey, the second page of the letter provides straightforward instructions.

Thank you for your time!

Sincerely,

RICHARD R. BANNICK, Ph. D., FACHE
Branch Chief, Decision Support Division
Defense Health Agency
Office of the Assistant Secretary of Defense (Health Affairs)

To verify the legitimacy of this survey, please go to
<http://www.health.mil/Military-Health-Topics/Access-Cost-Quality-and-Safety/Health-Care-Program-Evaluation/MHS-Patient-Satisfaction-Surveys>.

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

APPENDIX C

CROSSWALK BETWEEN 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, AND 2018 QUESTIONS FOR ADULT HCSDB – QUARTER II

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

CROSSWALK BETWEEN 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017 AND 2018 ADULT SURVEY QUESTIONS

2018 Variable Name	2018 Q2 Question Number	2018 Q1 Question Number	Identical to 2017	Variable Name in 2017 Survey	Variable Name in 2016 Survey	Variable Name in 2015 Survey	Variable Name in 2014 Survey	Variable Name in 2013 Survey	Variable Name in 2012 Survey	Variable Name in 2011 Survey	Variable Name in 2010 Survey	Comments
H18001	1	1	T	H17001	H16001	H15001 ^R	H14001 ^Q	H13001 ^P	H12001 ^o	H11001 ^N	H10001 ^M	
H18002A, H18002C, H18002F- H18002V	2	2	T	H17002A, H17002C, H17002F- H17002V	H16002A, H16002C, H16002F- H16002V	H15002A, H15002C, H15002F- H15002V ^R	H14002A- H14002V ^Q	H13002A- H13002U	H12002A- H12002U ^o	H11002A- H11002R	H10002A- H10002R ^M	
H18003	3	3	T	H17003	H16003	H15003 ^R	H14003 ^Q	H13003	H12003	H11003	H10003 ^M	
H18004	4	4	T	H17004	H16004	H15004 ^R	H14004 ^Q	H13004	H12004	H11004 ^N	H10004 ^M	
H18005		5	T	H17005	H16005	H15005 ^R	H14005 ^Q	H13005	H12005	H11005 ^N	H10005 ^M	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18006	5	12	T	H17006	H16006	H15006 ^R	H14006 ^Q	H13006 ^P	H12006 ^o	H11006 ^N	H10006 ^M	
H18007	6	13	T	H17007	H16007	H15007 ^R	H14007 ^Q	H13007	H12007 ^o	H11007 ^N	H10007 ^M	
H18008	7	14	T	H17008	H16008	H15008 ^R	H14008 ^Q	H13008 ^P	H12008 ^o	H11008 ^N	H10008 ^M	
H18009	8	15	T	H17009	H16009	H15009 ^R	H14009 ^Q	H13009 ^P	H12009 ^o	H11009 ^N	H10009 ^M	
H18010	9	16	T	H17010	H16010	H15010 ^R	H14010 ^Q	H13010	H12010 ^o	H11010 ^N	H10010 ^M	
H18011	10	17	T	H17011	H16011	H15011 ^R	H14011 ^Q	H13011 ^P	H12011 ^o	H11011 ^N	H10011 ^M	
H18012	11	18	T	H17012	H16012	H15012 ^R	H14012 ^Q	H13012 ^P	H12012 ^o	H11012 ^N	H10012 ^M	
H18013	12	19	T	H17013	H16013	H15013 ^R	H14013 ^Q	H13013 ^P	H12013 ^o	H11013 ^N	H10013 ^M	
H18014	13	20	T	H17014	H16014	H15014 ^R	H14014 ^Q	H13014 ^P	H12014 ^o	H11014 ^N	H10014 ^M	
H18015	14	21	T	H17015	H16015	H15015 ^R	H14015 ^Q	H13015 ^P	H12015 ^o	H11015 ^N	H10015 ^M	
H18016	15	22	T	H17016	H16016	H15016 ^R	H14016 ^Q	H13016 ^P	H12016 ^o	H11016 ^N	H10016 ^M	
H18017	16	23	T	H17017	H16017	H15017 ^R	H14017 ^Q	H13017 ^P	H12017 ^o	H11017 ^N	H10017 ^M	
H18018	17	24	T	H17018	H16018	H15018 ^R	H14018 ^Q	H13018 ^P	H12018 ^o	H11018 ^N	H10018 ^M	
H18019	19	35	T	H17019	H16019	H15019 ^R	H14019 ^Q	H13019 ^P	H12019 ^o	H11019 ^N	H10019 ^M	
H18020	20	36	T	H17020	H16020	H15020 ^R	H14020 ^Q	H13020 ^P	H12020 ^o	H11020 ^N	H10020 ^M	
H18021	21	37	T	H17021	H16021	H15021 ^R	H14021 ^Q	H13021 ^P	H12021 ^o	H11021 ^N	H10021 ^M	
H18022	22	38	T	H17022	H16022	H15022 ^R	H14022 ^Q	H13022 ^P	H12022 ^o	H11022 ^N	H10022 ^M	

^M Identical to 2011

^N Identical to 2012

^o Identical to 2013

^P Identical to 2014

^Q Identical to 2015

^R Identical to 2016

^S Identical to 2017

2018 Variable Name	2018 Q2 Question Number	2018 Q1 Question Number	Identical to 2017	Variable Name in 2017 Survey	Variable Name in 2016 Survey	Variable Name in 2015 Survey	Variable Name in 2014 Survey	Variable Name in 2013 Survey	Variable Name in 2012 Survey	Variable Name in 2011 Survey	Variable Name in 2010 Survey	Comments
H18023	23	39	T	H17023	H16023	H15023 ^R	H14023 ^Q	H13023 ^P	H12023 ^o	H11023 ^N	H10023 ^M	
H18024	24	40	T	H17024	H16024	H15024 ^R	H14024 ^Q	H13024 ^P	H12024 ^o	H11024 ^N	H10024 ^M	
H18025	25	41	T	H17025	H16025	H15025 ^R	H14025 ^Q	H13025 ^P	H12025 ^o	H11025 ^N	H10025 ^M	
H18026	26	42	T	H17026	H16026	H15026 ^R	H14026 ^Q	H13026 ^P	H12026 ^o	H11026 ^N	H10026 ^M	
H18027	27	43	T	H17027	H16027	H15027 ^R	H14027 ^Q	H13027 ^P	H12027 ^o	H11027 ^N	H10027 ^M	
H18028	30	46	T	H17028	H16028	H15028 ^R	H14028 ^Q	H13028 ^P	H12028 ^o	H11028 ^N	H10028 ^M	
H18029	31	47	T	H17029	H16029	H15029 ^R	H14029 ^Q	H13029	H12029 ^o	H11029 ^N	H10029 ^M	
H18030	32	48	T	H17030	H16030	H15030 ^R	H14030 ^Q	H13030 ^P	H12030 ^o	H11030 ^N	H10030 ^M	
H18031	33	49	T	H17031	H16031	H15031 ^R	H14031 ^Q	H13031 ^P	H12031 ^o	H11031 ^N	H10031 ^M	
H18033	18	25	T	H17033	H16033	H15033 ^R	H14033 ^Q	H13033 ^P	H12033 ^o	H11033 ^N	H10033 ^M	
H18034	34	54	T	H17034	H16034	H15034 ^R	H14034 ^Q	H13034 ^P	H12034 ^o	H11034 ^N	H10034B ^M	
H18035	35	55	T	H17035	H16035	H15035 ^R	H14035 ^Q	H13035 ^P	H12035 ^o	H11035 ^N	H10034 ^M	
H18036	36	56	T	H17036	H16036	H15036 ^R	H14036 ^Q	H13036 ^P	H12036 ^o	H11036 ^N	H10035 ^M	
H18037	37	57	T	H17037	H16037	H15037 ^R	H14037 ^Q	H13037 ^P	H12037 ^o	H11037 ^N	H10036 ^M	
H18038	38	58	T	H17038	H16038	H15038 ^R	H14038 ^Q	H13038	H12038	H11038	H10037 ^M	
H18039	39	59	T	H17039	H16039	H15039 ^R	H14039 ^Q	H13039 ^P	H12039 ^o	H11039 ^N	H10038 ^M	
H18040	40	60	T	H17040	H16040	H15040 ^R	H14040 ^Q	H13040 ^P	H12040 ^o	H11040 ^N	H10039 ^M	
H18041	41	61	T	H17041	H16041	H15041 ^R	H14041 ^Q	H13041 ^P	H12041 ^o	H11041 ^N	H10040 ^M	
H18042	42	62	T	H17042	H16042	H15042 ^R	H14042 ^Q	H13042 ^P	H12042 ^o	H11042 ^N	H10041 ^M	
H18043	43	63	T	H17043	H16043	H15043 ^R	H14043 ^Q	H13043 ^P	H12043 ^o	H11043 ^N	H10042 ^M	
H18044	44	64	T	H17044	H16044	H15044 ^R	H14044 ^Q	H13044 ^P	H12044 ^o	H11044 ^N	H10043 ^M	
H18045	45	65	T	H17045	H16045	H15045 ^R	H14045 ^Q	H13045 ^P	H12045 ^o	H11045 ^N	H10044 ^M	
H18046	46	66	T	H17046	H16046	H15046 ^R	H14046 ^Q	H13046 ^P	H12046 ^o	H11046 ^N	H10045 ^M	
H18047	47	67	T	H17047	H16047	H15047 ^R	H14047 ^Q	H13047 ^P	H12047 ^o	H11047 ^N	H10046 ^M	

^M Identical to 2011

^N Identical to 2012

^o Identical to 2013

^P Identical to 2014

^Q Identical to 2015

^R Identical to 2016

^S Identical to 2017

2018 Variable Name	2018 Q2 Question Number	2018 Q1 Question Number	Identical to 2017	Variable Name in 2017 Survey	Variable Name in 2016 Survey	Variable Name in 2015 Survey	Variable Name in 2014 Survey	Variable Name in 2013 Survey	Variable Name in 2012 Survey	Variable Name in 2011 Survey	Variable Name in 2010 Survey	Comments
H18048	48	68	T	H17048	H16048	H15048 ^R	H14048 ^Q	H13048 ^P	H12048 ^o	H11048 ^N	H10047 ^M	
H18049	49	69	T	H17049	H16049	H15049 ^R	H14049 ^Q	H13049 ^P	H12049 ^o	H11049 ^N	H10048 ^M	
H18050	50	70	T	H17050	H16050	H15050 ^R	H14050 ^Q	H13050 ^P	H12050 ^o	H11050 ^N	H10049 ^M	
H18051	51	71	T	H17051	H16051	H15051 ^R	H14051 ^Q	H13051 ^P	H12051 ^o	H11051 ^N	H10050 ^M	
H18052	52	72	T	H17052	H16052	H15052 ^R	H14052 ^Q	H13052 ^P	H12052 ^o	H11052 ^N	H10051	
H18053	53	73	T	H17053	H16053	H15053	H14053 ^Q	H13053 ^P	H12053 ^o	H11053 ^N	H10052	
H18054	54	74	T	H17054	H16054	H15054 ^R	H14054 ^Q	H13054 ^P	H12054 ^o	H11054 ^N	H10053	
H18055	55	75	T	H17055	H16055	H15055 ^R	H14055 ^Q	H13055	H12055 ^o	H11055	H10054	
H18056	56	76	T	H17056	H16056	H15056 ^R	H14056 ^Q	H13056	H12056 ^o	H11056	H10055	
H18057A-H18057D	57	77	T	H17057A-H17057D	H16057A-H16057D	H15057A-H15057D ^R	H14057A-H14057D ^Q	H13057A-H13057D ^P	H12057A - H12057D ^o	H11057A-H11057D ^N		
H18058	59	79	T	H17058	H16058	H15058	H14058 ^Q	H13058	H12058	H11058 ^N	H10056 ^M	
H18059B	60	80	T	H17059B	H16059B	H15059B ^R	H14059B ^Q	H13059B ^P	H12059B ^o	H11059	H10057	
H18060	61	81	T	H17060	H16060	H15060	H14060 ^Q	H13060 ^P	H12060 ^o	H11060 ^N	H10058 ^M	
H18061	62	82	T	H17061	H16061	H15061 ^R	H14061 ^Q	H13061 ^P	H12061 ^o	H11061 ^N	H10059 ^M	
H18062	63	83	T	H17062	H16062	H15062	H14062 ^Q	H13062 ^P	H12062 ^o	H11062 ^N	H10060 ^M	
H18063	64	84	T	H17063	H16063	H15063	H14063 ^Q	H13063 ^P	H12063 ^o	H11063 ^N	H10061 ^M	
H18064	65	85	T	H17064	H16064	H15064 ^R	H14064 ^Q	H13064 ^P	H12064 ^o	H11064 ^N	H10062 ^M	
H18065	66	86	T	H17065	H16065	H15065 ^R	H14065 ^Q	H13065 ^P	H12065 ^o	H11065 ^N	H10063 ^M	
H18066		87	T	H17066	H16066	H15066 ^R	H14066 ^Q	H13066 ^P	H12066 ^o	H11066 ^N	H10064 ^M	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18067		88	T	H17067	H16067	H15067	H14067 ^Q	H13067	H12067	H11067	H10065 ^M	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18068		89	T	H17068	H16068	H15068 ^R	H14068 ^Q	H13068 ^P	H12068 ^o	H11068 ^N	H10066 ^M	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18069		90	T	H17069	H16069	H15069	H14069 ^Q	H13069 ^P	H12069 ^o	H11069 ^N	H10067 ^M	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18070		91	T	H17070	H16070	H15070 ^R	H14070 ^Q	H13070 ^P	H12070 ^o	H11070 ^N	H10068 ^M	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18071F	73a	92a	T	H17071F	H16071F	H15071F ^R	H14071F ^Q	H13071F ^P	H12071F	H11071F ^N	H10069F ^M	

^M Identical to 2011

^N Identical to 2012

^o Identical to 2013

^P Identical to 2014

^Q Identical to 2015

^R Identical to 2016

^S Identical to 2017

2018 Variable Name	2018 Q2 Question Number	2018 Q1 Question Number	Identical to 2017	Variable Name in 2017 Survey	Variable Name in 2016 Survey	Variable Name in 2015 Survey	Variable Name in 2014 Survey	Variable Name in 2013 Survey	Variable Name in 2012 Survey	Variable Name in 2011 Survey	Variable Name in 2010 Survey	Comments
H18071I	73b	92b	T	H17071I	H16071I	H15071I ^R	H14071I ^Q	H13071I ^P	H12071I	H11071I ^N	H10069I ^M	
H18072	74	93	T	H17072	H16072	H15072 ^R	H14072 ^Q	H13072 ^P	H12072	H11072 ^N	H10070 ^M	
SREDA	67	94	T	SREDA	SREDA	SREDA ^R	SREDA ^Q	SREDA ^P	SREDA [°]	SREDA ^N	SREDA ^M	
H18073, H18073A- H18073E	68	95	T	H17073, H17073A- H17073E	H16073, H16073A- H16073E	H15073, H15073A- H15073E ^R	H14073, H14073A- H14073E ^Q	H13073, H13073A- H13073E ^P	H12073, H12073A- H12073E [°]	H11073, H11073A- H11073E ^N	H10071, H10071A- H10071E ^M	
SRRACEA- SRRACEE	69	96	T	SRRACEA- SRRACEE	SRRACEA- SRRACEE	SRRACEA- SRRACEE ^R	SRRACEA- SRRACEE ^Q	SRRACEA- SRRACEE ^P	SRRACEA- SRRACEE [°]	SRRACEA- SRRACEE ^N	SRRACEA- SRRACEE ^M	
SRAGE	70	97	T	SRAGE	SRAGE	SRAGE ^R	SRAGE ^Q	SRAGE ^P	SRAGE [°]	SRAGE ^N	SRAGE ^M	
H18074		98	T	H17074	H16074	H15074	H14074 ^Q	H13074 ^P	H12074 [°]	H11074 ^N		VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18075		99	T	H17075	H16075	H15075 ^R	H14075 ^Q	H13075 ^P	H12075 [°]	H11075 ^N	H10072 ^M	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18076		100	T	H17076	H16076	H15076 ^R	H14076 ^Q	H13076 ^P	H12076 [°]	H11076	H10073	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18077		101	T	H17077	H16077	H15077 ^R	H14077 ^Q	H13077 ^P	H12077 [°]	H11077 ^N		VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18078		102	T	H17078	H16078	H15078 ^R	H14078 ^Q	H13078 ^P	H12078 [°]	H11078 ^N	H10074 ^M	VARIABLE DROPPED FROM Q2FY2018 SURVEY
H18079		103	T	H17079	H16079	H15079 ^R	H14079 ^Q	H13079 ^P	H12079 [°]	H11079 ^N		VARIABLE DROPPED FROM Q2FY2018 SURVEY
S18009	28	44	T	S17009	S16009	S15009 ^R	S14009 ^Q	S13009 ^P	S12009	S11009 ^N	S10009 ^M	
S18010	29	45	T	S17010	S16010	S15010 ^R	S14010 ^Q	S13010 ^P	S12010	S11010 ^N	S10010 ^M	
S18011	71	104	T	S17011	S16011	S15011 ^R	S14011 ^Q	S13011 ^P	S12011 [°]	S11011 ^N	S10011 ^M	
S18014	72	105	T	S17014	S16014	S15014 ^R	S14014 ^Q	S13014 ^P	S12014 [°]	S11014 ^N	S10014 ^M	
S18AC01		6						S13AC01				QUESTION CHANGED SLIGHTLY TO "HAVE YOU MISSED ANY SCHEDULED APPOINTMENTS". OTHERWISE IDENTICAL TO 2013 QUESTION.
S18AC02A- S18AC02G		7						S13AC02A- S13AC02G				IDENTICAL TO 2013 QUESTIONS
S18AC03		8						S13AC03				IDENTICAL TO 2013 QUESTIONS
S18AC04		9						S13AC04				IDENTICAL TO 2013 QUESTIONS
S18AC05A- S18AC05G		10						S13AC05A- S13AC05G				IDENTICAL TO 2013 QUESTIONS
S18AC06A- S18AC06B		11										NEW TO FY2018

^M Identical to 2011

^Q Identical to 2015

^N Identical to 2012

^R Identical to 2016

[°] Identical to 2013

^S Identical to 2017

^P Identical to 2014

2018 Variable Name	2018 Q2 Question Number	2018 Q1 Question Number	Identical to 2017	Variable Name in 2017 Survey	Variable Name in 2016 Survey	Variable Name in 2015 Survey	Variable Name in 2014 Survey	Variable Name in 2013 Survey	Variable Name in 2012 Survey	Variable Name in 2011 Survey	Variable Name in 2010 Survey	Comments
S18B01		50	T	S17B01	S16B01 ^S	S15B01 ^R	S14B01 ^Q	S13B01 ^P	S12B01 ^o	S11B01 ^N	S10B01 ^M	
S18B02		51	T	S17B02	S16B02 ^S	S15B02 ^R	S14B02 ^Q	S13B02 ^P	S12B02 ^o	S11B02 ^N	S10B02 ^M	
S18B03		52	T	S17B03	S16B03 ^S	S15B03 ^R	S14B03 ^Q	S13B03 ^P	S12B03 ^o	S11B03 ^N	S10B03 ^M	
S18B04		53	T	S17B04	S16B04 ^S	S15B04 ^R	S14B04 ^Q	S13B04 ^P	S12B04 ^o	S11B04 ^N	S10B04 ^M	
S18BF4	58	78	T	S17BF4	S16BF4							
S18BI01		26	T	S17BI01								
S18BI02A-S18BI02E		27		S17BI02A-S17BI02E								SKIP PATTERNS REWORDED
S18BI03		29a	T	S17BI03								
S18BI04		29b	T	S17BI04								
S18BI06		29c	T	S17BI06								S18BI05 NO LONGER ON QUESTIONNAIRE
S18BI07		29d	T	S17BI07								
S18BI08		29e	T	S17BI08								
S18BI09		29f	T	S17BI09								
S18BI10		29g	T	S17BI10								
S18BI11		29h	T	S17BI11								
S18BI12		29i	T	S17BI12								
S18BI14		29j	T	S17BI14								S18BI13 NO LONGER ON QUESTIONNAIRE
S18BI15		30	T	S17BI15								
S18BI16		31	T	S17BI16								
S18BI17		32	T	S17BI17								
S18BI18		33	T	S17BI18								
S18BI19		28	T	S17BI19								
S18BI20		34	T	S17BI20								

^M Identical to 2011

^Q Identical to 2015

^N Identical to 2012

^R Identical to 2016

^o Identical to 2013

^S Identical to 2017

^P Identical to 2014

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

APPENDIX D

CODING SCHEME AND CODING TABLES – QUARTER II

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

QUARTER II

2018 HEALTH CARE SURVEY OF DOD BENEFICIARIES (HCSDB) CODING SCHEME AND CODING TABLES

BASIC SAS AND ASCII/EBCDIC MISSING DATA AND NOT APPLICABLE CODES

SAS	ASCII/EBCDIC	Description
Numeric	Numeric	
.	-9	No response
.O	-7	Out of range error
.N	-6	Not applicable or valid skip
.D	-5	Scalable response of “don’t know” or “not sure”
.I	-4	Incomplete grid error
.C	-1	Question should have been skipped

Missing values ‘.’ and incomplete grids ‘.I’ are encoded prior to implementation of the Coding Scheme Notes (see below).

**Coding Table for Note 1:
H18003, H18004**

N1	H18003 is:	H18004 is:	H18003 is coded as:	H18004 is coded as:	*
1	1-17: Health plan	Marked or missing response	Stands as original value	Stands as original value	
2	-6: No usage in past 12 months or -5: not sure	Marked response	Stands as original value	.C: Question should be skipped	F
3	-6: No usage in past 12 months or -5: not sure	Missing response	Stands as original value	.N: Valid skip	F
4	Missing response	Marked or missing response	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 2:
H18006, H18007, H18008**

N2	H18006 is:	H18007-H18008 are:	H18006 is coded as:	H18007-H18008 are coded as:	*
1	1: Yes	"All are blank"	Stands as original value	Stand as original value	
2	1: Yes or .: missing	"Blank or NA"	2: No	.N: Valid skip if missing; .C: question should be skipped if marked	B F
3	1: Yes	"One marked and one NA"	Stands as original value	.: Missing if -6; stand as original value otherwise	F
4	1: Yes	At least one is "marked"	Stands as original value	Stand as original value	
5	2: No	"One marked and one NA"	Stands as original value	.C: Question should be skipped	F
6	2: No or .: missing	At least one is "marked"	1: Yes	.: Missing if -6; stand as original value otherwise	B F
7	2: No	"All are blank" or "blank or NA"	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
8	.: Missing	"All are blank"	Stands as original value	Stand as original value	

* Indication of backward coding (B) or forward coding (F).

Definition of "all are blank" in Coding Table for Note 2:
Responses to H18007-H18008 are all missing.

Definition of "blank or NA" in Coding Table for Note 2:
All of the following are true: H18007-H18008 are a combination of not applicable (-6) or missing.

Definition of "one marked and one NA" in Coding Table for Note 2:
H18007-H18008 have one response marked not applicable (-6) and one marked response (other than not applicable).

Definition of "marked" in Coding Table for Note 2:
Any pattern of marks outside the definitions "all are blank", "one marked and one NA", and "blank or NA".

**Coding Table for Note 3:
H18009, H18010, H18011**

N3	H18009 is:	H18010-H18011 are:	H18009 is coded as:	H18010-H18011 are coded as:	*
1	1: Yes	“All are blank”	Stands as original value	Stand as original value	
2	1: Yes or .: missing	“Blank or NA”	2: No	.N: Valid skip if missing; .C: question should be skipped if marked	B F
3	1: Yes	“One marked and one NA”	Stands as original value	.: Missing if –6; stand as original value otherwise	F
4	1: Yes	At least one is “marked”	Stands as original value	Stand as original value	
5	2: No	“One marked and one NA”	Stands as original value	.C: Question should be skipped	F
6	2: No or .: missing	At least one is “marked”	1: Yes	.: Missing if –6; stand as original value otherwise	B F
7	2: No	“All are blank” or “blank or NA”	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
8	.: Missing	“All are blank”	Stands as original value	Stand as original value	

* Indication of backward coding (B) or forward coding (F).

Definition of “all are blank” in Coding Table for Note 3:
Responses to H18010-H18011 are all missing.

Definition of “blank or NA” in Coding Table for Note 3:
All of the following are true: H18010-H18011 are a combination of not applicable (-6) or missing.

Definition of “one marked and one NA” in Coding Table for Note 3:
H18010-H18011 have one response marked not applicable (-6) and one marked response (other than not applicable).

Definition of “marked” in Coding Table for Note 3:
Any pattern of marks outside the definitions “all are blank”, “one marked and one NA”, and “blank or NA”.

**Coding Table for Note 4:
H18013, H18014-H18018, H18033**

N4	H18013 is:	H18014-H18018, H18033 are:	H18013 is coded as:	H18014-H18018, H18033 are coded as:	*
1	1: None	Any value	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
2	2-7: Visits, or .: missing	“Blank or NA”	1: None	.N: Valid skip if missing; .C: question should be skipped if marked	B F
3	2-7: Visits	At least one is “marked” or “all are blank”	Stands as original value	.: Missing if –6; stand as original value otherwise	F
4	.: Missing	“All are blank”	Stands as original value	Stand as original value	
5	.: Missing	At least one is “marked”	Stands as original value	.: Missing if –6; stand as original value otherwise	F

* Indication of backward coding (B) or forward coding (F).

Definition of “all are blank” in Coding Table for Note 4:
Responses to H18014-H18018 are all missing.

Definition of “blank or NA” in Coding Table for Note 4:
All of the following are true: H18014-H18018 and H18033 are a combination of not applicable (-6) or missing.

Definition of “marked” in Coding Table for Note 4:
Any pattern of marks outside the definitions “all are blank” and “blank or NA”.

**Coding Table for Note 5:
H18015, H18016-H18017**

N5	H18015 is:	H18016 is:	H18017 is:	H18015 is coded as:	H18016 is coded as:	H18017 is coded as:	*
1	.N: Valid skip, or .C: question should be skipped	.N: Valid skip, or .C: question should be skipped	.N: Valid skip, or .C: question should be skipped	Stands as original value	Stands as original value	Stands as original value	
2	1: Yes	Any value	Any value	Stands as original value	Stands as original value	Stands as original value	
3	2: No or .: missing	1: Definitely yes 2: somewhat yes	Any value	1: Yes	Stands as original value	Stands as original value	B
4	2: No or .: missing	3: Somewhat no, 4: definitely no, or .: missing	1: Definitely yes 2: somewhat yes	1: Yes	Stands as original value	Stands as original value	B
5	2: No	3: Somewhat no, 4: definitely no, or .: missing	3: Somewhat no, 4: definitely no, or .: missing	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	.N: Valid skip if missing; .C: question should be skipped if marked	F
6	.: Missing	3: Somewhat no, 4: definitely no, or .: missing	3: Somewhat no, 4: definitely no, or .: missing	Stands as original value	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 6:
H18019, H18020-H18027, S18009**

N6	H18019 is:	H18020- H18024 are:	H18025- H18026, S18009 are:	H18027 is:	H18019 is coded as:	H18020- H18026, S18009 are coded as:	H18027 is coded as:	*
1	1: Yes	Any value	Any value	Any value	Stands as original value	Stand as original value	.: Missing if -6; stands as original value otherwise	F
2	2: No or .: missing	Any value	Any value	0-10	1: Yes	Stand as original value	Stands as original value	B
3	2: No or .: missing	At least one is “marked”	Any value	.: Missing	1: Yes	Stand as original value	Stands as original value	B
4	2: No	At least one is “marked”	Any value	-6: No personal doctor	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	.C: Question should be skipped	F
5	2: No	“Blank or NA”	Any value	-6: No personal doctor or .: missing	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	.N: Valid skip if missing; .C: question should be skipped if marked	F
6	.: Missing	Any value	Any value	-6: No personal doctor	2: No	.N: Valid skip if missing; .C: question should be skipped if marked	.C: Question should be skipped	B F
7	.: Missing	“Blank or NA”	Any value	.: Missing	Stands as original value	Stand as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

Definition of “blank or NA” in Coding Table for Note 6:

All of the following are true: H18020 is either 0: None or missing and H18021-H18024 are either not applicable (-6) or missing.

Definition of “marked” in Coding Table for Note 6:

Any pattern of marks for H18020-H18024 outside the definition “blank or NA”.

**Coding Table for Note 7:
H18020, H18021-H18026**

N7	H18020 is:	H18021-H18026 are:	H18020 is coded as:	H18021-H18026 are coded as:	*
1	.N: Valid skip, or .C: question should be skipped	.N: Valid skip, or .C: question should be skipped	Stands as original value	Stand as original value	
2	0: None	Any value	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
3	1-6: Visits, or .: missing	“Blank or NA”	0: None	.N: Valid skip if missing; .C: question should be skipped if marked	B F
4	1-6: Visits, or .: missing	At least one is “marked” or “all are blank”	Stands as original value	.: Missing if –6; stand as original value otherwise	F

* Indication of backward coding (B) or forward coding (F).

Definition of “all are blank” in Coding Table for Note 7:
Responses to H18021-H18026 are all missing.

Definition of “blank or NA” in Coding Table for Note 7:
Responses to H18021-H18026 are a combination of not applicable (-6) or missing.

Definition of “marked” in Coding Table for Note 7:
Any pattern of marks for H18021-H18024 outside the definitions “all are blank” and “blank or NA”.

**Coding Table for Note 8:
H18025, H18026**

N8	H18025 is:	H18026 is:	H18025 is coded as:	H18026 is coded as:	*
1	.N: Valid skip, or .C: question should be skipped	.N: Valid skip, or .C: question should be skipped	Stands as original value	Stands as original value	
2	1: Yes	Any value	Stands as original value	Stands as original value	
3	2: No or .: missing	1-4: How often	1: Yes	Stands as original value	B
4	2: No	.: Missing	Stands as original value	.N: Valid skip	F
5	.: Missing	.: Missing	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 8_01:
S18009, S18010**

N8_01	S18009 is:	S18010 is:	S18009 is coded as:	S18010 is coded as:	*
1	.N: Valid skip, or .C: question should be skipped	Any value	Stands as original value	Stands as original value	
2	1: Yes	Any value	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
3	2: No	Any value	Stands as original value	Stands as original value	
4	.: Missing	Any value	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 9:
H18028, H18029-H18031**

N9	H18028 is:	H18029-H18031 are:	H18028 is coded as:	H18029 is coded as:	H18030-H18031 are coded as:	*
1	1: Yes	Any value	Stands as original value	.: Missing if -6; stands as original value otherwise	Stand as original value	F
2	2: No or .: missing	At least one is "marked"	1: Yes	.: Missing if -6; stands as original value otherwise	Stand as original value	B
3	2: No	"All are blank" or "blank or NA"	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	.N: Valid skip if missing; .C: question should be skipped if marked	F
4	.: Missing	"Blank or NA"	2: No	.N: Valid skip if missing; .C: question should be skipped if marked	.N: Valid skip if missing; .C: question should be skipped if marked	B F
5	.: Missing	"All are blank"	Stands as original value	Stands as original value	Stand as original value	

* Indication of backward coding (B) or forward coding (F).

Definition of "all are blank" in Coding Table for Note 9:
Responses to H18029-H18031 are all missing.

Definition of "blank or NA" in Coding Table for Note 9:

All of the following are true: H18029 and H18031 are a combination of not applicable (-6) or missing. H18030 is either missing or 0: None.

Definition of "marked" in Coding Table for Note 9:

Any pattern of marks outside the definitions "all are blank" and "blank or NA".

**Coding Table for Note 10:
H18030, H18031**

N10	H18030 is:	H18031 is:	H18030 is coded as:	H18031 is coded as:	*
1	.N: Valid skip, or .C: question should be skipped	.N: Valid skip, or .C: question should be skipped	Stands as original value	Stands as original value	
2	1-5: Specialists	0-10 or .: missing	Stands as original value	Stands as original value	
3	1-5: Specialists or .: missing	-6: Didn't see a specialist in the last 12 months	0: None	.C: Question should be skipped	B F
4	0: None	Any value	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
5	.: Missing	0-10 or .: missing	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 12:
H18034, H18035**

N12	H18034 is:	H18035 is:	H18034 is coded as:	H18035 is coded as:	*
1	1: Yes	1-4: How often or .: missing	Stands as original value	Stands as original value	
2	1: Yes or .: missing	-6: Didn't look for information	2: No	.C: Question should be skipped	B F
3	2: No or .: missing	1-4: How often	1: Yes	Stands as original value	B
4	2: No	-6: Didn't look for information or .: missing	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
5	.: Missing	.: Missing	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 13:
H18036, H18037**

N13	H18036 is:	H18037 is:	H18036 is coded as:	H18037 is coded as:	*
1	1: Yes	1-4: How often or .: missing	Stands as original value	Stands as original value	
2	1: Yes or .: missing	-6: Didn't need service or equipment	2: No	.C: Question should be skipped	B F
3	2: No or .: missing	1-4: How often	1: Yes	Stands as original value	B
4	2: No	-6: Didn't need service or equipment or .: missing	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
5	.: Missing	.: Missing	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 14:
H18038, H18039**

N14	H18038 is:	H18039 is:	H18038 is coded as:	H18039 is coded as:	*
1	1: Yes	1-4: How often or .: missing	Stands as original value	Stands as original value	
2	1: Yes or .: missing	-6: Didn't need prescription meds	2: No	.C: Question should be skipped	B F
3	2: No or .: missing	1-4: How often	1: Yes	Stands as original value	B
4	2: No	-6: Didn't need prescription meds or .: missing	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
5	.: Missing	.: Missing	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 15:
H18040, H18041-H18042**

N15	H18040 is:	H18041-H18042 are:	H18040 is coded as:	H18041-H18042 are coded as:	*
1	1: Yes	At least one is “marked” or “all are blank”	Stands as original value	.: Missing if –6; stand as original value otherwise	F
2	1: Yes or .: missing	“Blank or NA”	2: No	.N: Valid skip if missing; .C: question should be skipped if marked	B F
3	2: No or .: missing	At least one is “marked”	1: Yes	.: Missing if –6; stand as original value otherwise	B F
4	2: No	“All are blank” or “blank or NA”	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
5	.: Missing	“All are blank”	Stands as original value	Stand as original value	

* Indication of backward coding (B) or forward coding (F).

Definition of “all are blank” in Coding Table for Note 15:
Responses to H18041-H18042 are all missing.

Definition of “blank or NA” in Coding Table for Note 15:
All of the following are true: H18041-H18042 are a combination of not applicable (-6) or missing.

Definition of “marked” in Coding Table for Note 15:
Any pattern of marks outside the definitions “all are blank” and “blank or NA”.

**Coding Table for Note 16:
H18043, H18044**

N16	H18043 is:	H18044 is:	H18043 is coded as:	H18044 is coded as:	*
1	1: Yes	1-4: How often or .: missing	Stands as original value	Stands as original value	
2	1: Yes or .: missing	-6: Didn’t receive forms to fill out	2: No	.C: Question should be skipped	B F
3	2: No or .: missing	1-4: How often	1: Yes	Stands as original value	B
4	2: No	-6: Didn’t receive forms to fill out or .: missing	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
5	.: Missing	.: Missing	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

**Coding Table for Note 17:
H18045, H18046-H18047**

N17	H18045 is:	H18046-H18047 are:	H18045 is coded as:	H18046-H18047 are coded as:	*
1	1: Yes	At least one is “marked”, “all are blank” or “blank or don’t know”	Stands as original value	∴ Missing if –6; stands as original value otherwise	F
2	1: Yes, -5: don’t know or ∴ missing	“Blank or NA” or “NA or don’t know”	2: No	.N: Valid skip if missing; .C: question should be skipped if marked	B F
3	2: No, -5: don’t know or ∴ missing	At least one is “marked”	1: Yes	∴ Missing if –6; stands as original value otherwise	B F
4	2: No	None are “marked”	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
5	-5: Don’t know	“Blank or don’t know” or “all are blank”	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
6	∴ Missing	“Blank or don’t know” or “all are blank”	Stands as original value	Stand as original value	

* Indication of backward coding (B) or forward coding (F).

Definition of “all are blank” in Coding Table for Note 17:
Responses to H18046-H18047 are all missing.

Definition of “blank or NA” in Coding Table for Note 17:
Responses to H18046-H18047 are either all not applicable (-6) or a combination of missing and not applicable (-6).

Definition of “blank or don’t know” in Coding Table for Note 17:
Responses to H18046-H18047 are either all don’t know (-5) or a combination of missing and don’t know (-5).

Definition of “NA or don’t know” in Coding Table for Note 17:
Responses to H18046-H18047 are a combination of not applicable (-6) and don’t know (-5).

Definition of “marked” in Coding Table for Note 17:
Any pattern of marks outside the definitions “all are blank,” “blank or NA,” “blank or don’t know,” or “NA or don’t know”.

Coding Table for Note 18:
H18053, H18054-H18056, H18057A-H18057D

N18	H18053 is:	H18054- H18056 are:	H18057A- H18057D are:	H18053 is coded as:	H18054- H18056, H18057A- H18057D are coded as:	*
1	3: Some days, 4: every day, or .: missing	Any value	Any value	Stands as original value	Stand as original value	
2	2: Not at all or -5: don't know	Any value	"All are unmarked"	Stands as original value	.N: Valid skip if missing or unmarked; .C: question should be skipped if marked	F
3	2: Not at all	Any value	At least one is "marked"	.: Missing	Stand as original value	B
4	-5: Don't know	Any value	At least one is "marked"	Stands as original value	.N: Valid skip if missing or unmarked; .C: question should be skipped if marked	F

* Indication of backward coding (B) or forward coding (F).

Definition of "all are unmarked" in Coding Table for Note 18:
Responses to H18057A-H18057D are all missing or unmarked.

Definition of "marked" in Coding Table for Note 18:
Any pattern of marks outside the definition "all are unmarked"

Coding Table for Note 19:
Note 19 (Part A)
H18058, H18059B, H18060-H18064, SEX, XSEX

N19A	H18058 is:	SEX is:	H18059B--H18064 are:	XSEX is coded as:
1	.: Missing	F	Any marked	2: Female
2	.: Missing	F	All missing	2: Female
3	.: Missing	M	Any marked	1: Male
4	.: Missing	M	All missing	1: Male
5	.: Missing	Z or .: missing	Any marked	2: Female
6	.: Missing	Z	All missing	.: Missing
7	.: Missing	.: Missing	All missing	.: Missing
8	1: Male	Any value	All missing	1: Male
9	1: Male	F	Any marked	2: Female
10	1: Male	M, Z, or .: missing	Any marked	1: Male
11	2: Female	Any value	Any marked	2: Female
12	2: Female	M	All missing	1: Male
13	2: Female	F, Z, or .: missing	All missing	2: Female

SEX (PNSEXCD) is the gender from the DEERS file. This variable is not used to override questionnaire responses, but to clear up any omissions or discrepancies in the responses.

XSEX is the recoded gender variable after taking into account the self-reported response (H18058), any responses to gender-specific questions, and the gender of the sample beneficiary from DEERS.

Note 19 (Part B):**XSEXA, H18059B, H18060-H18064**

N19B	XSEXA is:	H18059B--H18064 are:	H18059B--H18064 are coded as:	*
1	1: Male	"All are blank"	.N: Valid skip	F
2	1: Male	At least one is "marked"	.N: Valid skip if missing; .C: question should be skipped if marked	F
3	2: Female	"All are blank" or at least one is "marked"	Stand as original value	
4	.: Missing	"All are blank" or at least one is "marked"	Missing value	F

* Indication of backward coding (B) or forward coding (F).

Definition of "all are blank" in Coding Table for Note 19b:

All variables H18059B--H18064 are missing.

Definition of "marked" in Coding Table for Note 19b:

Any pattern of marks outside the definition "all are blank".

Coding Table for Note 20**XSEXA, AGE, H18060, H18061**

N20	XSEXA is:	AGE is:	H18060 is:	H18061 is:	H18060 is coded as:	H18061 is coded as:	*
1	1: Male	Any value	.N: Valid skip, or .C: question should be skipped	.N: Valid skip, or .C: question should be skipped	Stands as original value	Stands as original value	
2	2: Female	Any value	2: 40 or over	Any value	Stands as original value	Stands as original value	
3	2: Female	Any value	1: Under 40	Any value	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
4	2: Female	Any value	.: Missing	Marked	2: >= 40	Stands as original value	B
5	2: Female	< 40	.: Missing	.: Missing	1: < 40	.N: Valid skip	F B
6	2: Female	>=40	.: Missing	.: Missing	2: >= 40	Stands as original value	B
7	2: Female	.: Missing	.: Missing	.: Missing	Stands as original value	Stands as original value	
8	.: Missing	Any value	.: Missing	.: Missing	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F).

AGE (DAGEQY) is from the DEERS file. This variable is not used to override questionnaire responses, but to clear up any omissions or discrepancies in the responses.

**Coding Table for Note 21:
XSEXa, H18062-H18064**

N21	XSEXa is:	H18062 is:	H18063 is:	H18064 is:	H18062 is coded as:	H18063 is coded as:	H18064 is coded as:	*
1	1: Male	Any value	Any value	Any value	Stands as original value	Stands as original value	Stands as original value	
2	2: Female	1: Pregnant now	1: First trimester	Any value	Stands as original value	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	F
3	2: Female	1: Pregnant now	2: Second trimester	2: Third trimester	Stands as original value	Stands as original value	.: Missing	F
4	2: Female	1: Pregnant now	2: Second trimester	4: First trimester, 3: second trimester, 1: did not receive prenatal care, or .: missing	Stands as original value	Stands as original value	Stands as original value	
5	2: Female	1: Pregnant now	3: Third trimester or .: missing	Any value	Stands as original value	Stands as original value	Stands as original value	
6	2: Female	2: Pregnant in last 12 months	Any value	Any value	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	Stands as original value	F
7	2: Female	3: Not pregnant in past 12 months	Any value	Any value	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	.N: Valid skip if missing; .C: question should be skipped if marked	F
8	2: Female	.: Missing	1: First trimester	Any value	1: Pregnant now	Stands as original value	.N: Valid skip if missing; .C: question should be skipped if marked	B F
9	2: Female	.: Missing	2: Second trimester	2: Third trimester	1: Pregnant now	Stands as original value	.: Missing	B F
10	2: Female	.: Missing	2: Second trimester	4: First trimester, 3: second trimester, 1: did not receive prenatal care, or .: missing	1: Pregnant now	Stands as original value	Stands as original value	B
11	2: Female	.: Missing	3: Third trimester	Any value	1: Pregnant now	Stands as original value	Stands as original value	B
12	2: Female	.: Missing	.: Missing	Any value	Stands as original value	Stands as original value	Stands as original value	F
13	.: Missing	.: Missing	Marked or .: missing	Any value	Stands as original value	Stands as original value	Stands as original value	

* Indication of backward coding (B) or forward coding (F)

**Coding Table for Note 23_HT:
XSEXA, H18071F, H18071I**

N23_HT	XSEXA is:	H18071F and H18071I is:	H18071F and H18071I are coded as:	*
1	1: Male or 2: female	“Height within range for gender” or .: missing	Stands as original value	
2	1: Male or 2: female	“Height out of range for gender”	.O: Out of range	F
3	.: Missing	“Height within range for either gender” or .: missing	Stands as original value	
4	.: Missing	“Height out of range for either gender”	.O: Out of range	F

* Indication of backward coding (B) or forward coding (F).

Definition of “Height within range for gender” in Coding Table for Note 23_HT:
From 2006 NHIS, height for men is 63”-76” (5’3”-6’4”), height for woman is 59”-70” (4’11”-5’10”).

Definition of “Height out of range for gender” in Coding Table for Note 23_HT:
Any height outside the definition of “Height within range for gender”.

Definition of “Height within range for either gender” in Coding Table for Note 23_HT:
Use lowest and highest height from either gender to set range: 59”-76” (4’11”- 6’4”).

Definition of “Height out of range for either gender” in Coding Table for Note 23_HT:
Any height outside the definition of “Height within range for either gender”.

**Coding Table for Note 23_WT:
XSEXA, H18072**

N23_WT	XSEXA is:	H18072 is:	H18072 is coded as:	*
1	1: Male or 2: female	“Weight within range for gender” or .: missing	Stands as original value	
2	1: Male or 2: female	“Weight out of range for gender”	.O: Out of range	F
3	.: Missing	“Weight within range for either gender” or .: missing	Stands as original value	
4	.: Missing	“Weight out of range for either gender”	.O: Out of range	F

* Indication of backward coding (B) or forward coding (F).

Definition of “Weight within range for gender” in Coding Table for Note 23_WT:
From 2006 NHIS, weight for men is 126-299 pounds, weight for woman is 100-274 pounds.

Definition of “Weight out of range for gender” in Coding Table for Note 23_WT:
Any height outside the definition of “Weight within range for gender”.

Definition of “Weight within range for either gender” in Coding Table for Note 23_WT:
Use lowest and highest weight from either gender to set range: 100-299 pounds.

Definition of “Weight out of range for either gender” in Coding Table for Note 23_WT:
Any height outside the definition of “Weight within range for either gender”.

**Coding Table for Note 24:
H18073, H18073A-H18073E**

N24	H18073A is:	H18073B is:	H18073C is:	H18073D is:	H18073E is:	H18073 is coded as:	H18073A-E are coded as:	*
1	Any value	1: Marked	Any value	Any value	Any value	2: Yes, Mexican, Mexican American, Chicano	Stand as original value	F
2	Any value	2: Unmarked	Any value	Any value	1: Marked	5: Yes, other Spanish, Hispanic, or Latino	Stand as original value	F
3	Any value	2: Unmarked	1: Marked	Any value	2: Unmarked	3: Yes, Puerto Rican	Stand as original value	F
4	Any value	2: Unmarked	2: Unmarked	1: Marked	2: Unmarked	4: Yes, Cuban	Stand as original value	F
5	1: Marked	2: Unmarked	2: Unmarked	2: Unmarked	2: Unmarked	1: No, not Spanish, Hispanic, or Latino	Stand as original value	F
6	2: Unmarked	2: Unmarked	2: Unmarked	2: Unmarked	2: Unmarked	∴ Missing	Stand as original value	F

* Indication of backward coding (B) or forward coding (F).

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

APPENDIX E

SAS PROC CONTENTS—ALPHABETICAL 2018 ADULT HCSDB – QUARTER II

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

The CONTENTS Procedure

Data Set Name	IN.HCS182_1	Observations	12849
Member Type	DATA	Variables	249
Engine	V9	Indexes	0
Created	05/31/2018 12:07:33	Observation Length	1465
Last Modified	05/31/2018 12:07:33	Deleted Observations	0
Protection		Compressed	CHAR
Data Set Type		Reuse Space	NO
Label		Point to Observations	YES
Data Representation	WINDOWS_64	Sorted	NO
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	65536
Number of Data Set Pages	231
Number of Data Set Repairs	0
ExtendObsCounter	YES
Filename	/sasdata/Projects/40309_HCS/DATA/HCSDB/Q2FY2018/Data/AFinal/fmtlib/WindowsVersionForDHA/hcs182_1.sas7bdat
Release Created	9.0401M0
Host Created	X64_7PRO
Inode Number	1245592675
Access Permission	rw-rw-r--
Owner Name	root
File Size	15MB
File Size (bytes)	15204352

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
18	ACV	Char	1	\$ACV2_.		Alternate Care Value
12	BWT	Num	8			BWT - Basic Sampling Weight
10	D_HEALTH	Char	2	\$DHEALTH.		Health Service Region
19	DBENCAT	Char	3	\$BENCAT.		Beneficiary Category
20	DSPONSVC	Char	1	\$SPONSVC.		Derived Sponsor Branch of Service
125	DUPFLAG	Char	3			Multiple Response Indicator
6	ENBGSMPL	Char	2	\$ENBGS.		Enrollment by beneficiary category
124	FLAG_FIN	Char	5	\$FINAL.		Final Disposition
126	FNSTATUS	Num	8	FNSTATS.		Final Status
249	FWRWT	Num	8			Final NEW Weight
189	FWRWT1	Num	8			Replicated/JackKnife NEW Weight 1
190	FWRWT2	Num	8			Replicated/JackKnife NEW Weight 2
191	FWRWT3	Num	8			Replicated/JackKnife NEW Weight 3
192	FWRWT4	Num	8			Replicated/JackKnife NEW Weight 4
193	FWRWT5	Num	8			Replicated/JackKnife NEW Weight 5
194	FWRWT6	Num	8			Replicated/JackKnife NEW Weight 6
195	FWRWT7	Num	8			Replicated/JackKnife NEW Weight 7
196	FWRWT8	Num	8			Replicated/JackKnife NEW Weight 8
197	FWRWT9	Num	8			Replicated/JackKnife NEW Weight 9
198	FWRWT10	Num	8			Replicated/JackKnife NEW Weight 10
199	FWRWT11	Num	8			Replicated/JackKnife NEW Weight 11
200	FWRWT12	Num	8			Replicated/JackKnife NEW Weight 12
201	FWRWT13	Num	8			Replicated/JackKnife NEW Weight 13
202	FWRWT14	Num	8			Replicated/JackKnife NEW Weight 14
203	FWRWT15	Num	8			Replicated/JackKnife NEW Weight 15
204	FWRWT16	Num	8			Replicated/JackKnife NEW Weight 16
205	FWRWT17	Num	8			Replicated/JackKnife NEW Weight 17
206	FWRWT18	Num	8			Replicated/JackKnife NEW Weight 18
207	FWRWT19	Num	8			Replicated/JackKnife NEW Weight 19
208	FWRWT20	Num	8			Replicated/JackKnife NEW Weight 20
209	FWRWT21	Num	8			Replicated/JackKnife NEW Weight 21
210	FWRWT22	Num	8			Replicated/JackKnife NEW Weight 22
211	FWRWT23	Num	8			Replicated/JackKnife NEW Weight 23
212	FWRWT24	Num	8			Replicated/JackKnife NEW Weight 24
213	FWRWT25	Num	8			Replicated/JackKnife NEW Weight 25
214	FWRWT26	Num	8			Replicated/JackKnife NEW Weight 26
215	FWRWT27	Num	8			Replicated/JackKnife NEW Weight 27
216	FWRWT28	Num	8			Replicated/JackKnife NEW Weight 28

217	FWRWT29	Num	8		Replicated/JackKnife NEW Weight 29
218	FWRWT30	Num	8		Replicated/JackKnife NEW Weight 30
219	FWRWT31	Num	8		Replicated/JackKnife NEW Weight 31
220	FWRWT32	Num	8		Replicated/JackKnife NEW Weight 32
221	FWRWT33	Num	8		Replicated/JackKnife NEW Weight 33
222	FWRWT34	Num	8		Replicated/JackKnife NEW Weight 34
223	FWRWT35	Num	8		Replicated/JackKnife NEW Weight 35
224	FWRWT36	Num	8		Replicated/JackKnife NEW Weight 36
225	FWRWT37	Num	8		Replicated/JackKnife NEW Weight 37
226	FWRWT38	Num	8		Replicated/JackKnife NEW Weight 38
227	FWRWT39	Num	8		Replicated/JackKnife NEW Weight 39
228	FWRWT40	Num	8		Replicated/JackKnife NEW Weight 40
229	FWRWT41	Num	8		Replicated/JackKnife NEW Weight 41
230	FWRWT42	Num	8		Replicated/JackKnife NEW Weight 42
231	FWRWT43	Num	8		Replicated/JackKnife NEW Weight 43
232	FWRWT44	Num	8		Replicated/JackKnife NEW Weight 44
233	FWRWT45	Num	8		Replicated/JackKnife NEW Weight 45
234	FWRWT46	Num	8		Replicated/JackKnife NEW Weight 46
235	FWRWT47	Num	8		Replicated/JackKnife NEW Weight 47
236	FWRWT48	Num	8		Replicated/JackKnife NEW Weight 48
237	FWRWT49	Num	8		Replicated/JackKnife NEW Weight 49
238	FWRWT50	Num	8		Replicated/JackKnife NEW Weight 50
239	FWRWT51	Num	8		Replicated/JackKnife NEW Weight 51
240	FWRWT52	Num	8		Replicated/JackKnife NEW Weight 52
241	FWRWT53	Num	8		Replicated/JackKnife NEW Weight 53
242	FWRWT54	Num	8		Replicated/JackKnife NEW Weight 54
243	FWRWT55	Num	8		Replicated/JackKnife NEW Weight 55
244	FWRWT56	Num	8		Replicated/JackKnife NEW Weight 56
245	FWRWT57	Num	8		Replicated/JackKnife NEW Weight 57
246	FWRWT58	Num	8		Replicated/JackKnife NEW Weight 58
247	FWRWT59	Num	8		Replicated/JackKnife NEW Weight 59
248	FWRWT60	Num	8		Replicated/JackKnife NEW Weight 60
23	H18001	Num	4	YN.	Are you the person listed on envelope
43	H18003	Num	4	HPLAN1_.	Which health plan did you use most
44	H18004	Num	4	HPTIME.	Yrs in a row with health plan
45	H18006	Num	4	YN.	In lst yr:ill/injry/cond care right away
46	H18007	Num	4	OFTEN2_.	In lst yr:get urgnt care as soon as wntd
47	H18008	Num	4	TIME1_.	In lst yr:wait btwn try get care,see prv
48	H18009	Num	4	YN.	In lst yr:make appts non-urgnt hlth care
49	H18010	Num	4	OFTEN3_.	In lst yr:non-urg hlth cre appt whn wntd
50	H18011	Num	4	TIME2_.	In lst yr:days btwn appt & see prvder
51	H18012	Num	4	OFTEN4_.	In lst yr:go to emrgncy rm for own care
52	H18013	Num	4	OFTEN4_.	In lst yr:go to Dr office/clinic for care
53	H18014	Num	4	OFTEN8_.	Lst yr: how often talk to doctor about illness prvntn
54	H18015	Num	4	YN.	Lst yr: did doctor tell you more than 1 choice for trtmnt
55	H18016	Num	4	YNDEF.	Lst yr: did talk to doctor about pros/cons of trtmnt
56	H18017	Num	4	YNDEF.	Lst yr: did doctor ask which trtmnt option best for you
57	H18018	Num	4	RATE3_.	Rating of all health care in lst yr
58	H18019	Num	4	YN.	Have one person think of as personal Dr
59	H18020	Num	4	OFTEN10_.	Lst yr: how often visit prsnl doctor for care for yourself
60	H18021	Num	4	OFTEN5_.	Lst yr: how oftn Drs listen to you
61	H18022	Num	4	OFTEN5_.	Lst yr: how oftn Drs explain things
62	H18023	Num	4	OFTEN5_.	Lst yr: how oftn Drs show respect
63	H18024	Num	4	OFTEN5_.	Lst yr: how oftn Drs spend enough time
64	H18025	Num	4	YN.	Lst yr: did get care from doctor other than prsnl doctor
65	H18026	Num	4	OFTEN8_.	Lst yr: how often prsnl doctor seemed infmrd of care from other doctors
66	H18027	Num	4	RATE6_.	Rating of your personal Dr
67	H18028	Num	4	YN.	Lst yr: did make any appointments to see spclst

68	H18029	Num	4	OFTEN9_.	Lst yr: how often easy to get appointments with spclsts
69	H18030	Num	4	SPCLST.	Lst yr: how many spclsts seen
70	H18031	Num	4	RATE2_.	Rating of specialist seen in lst yr
71	H18033	Num	4	OFTEN11_.	Lst yr: how often easy to get care, test, or trtmnt
72	H18034	Num	4	YN.	Lst yr: did look for info from written material/Internet
73	H18035	Num	4	OFTEN12_.	Lst yr: how often written material/Internet provide needed info
74	H18036	Num	4	YN.	Lst yr: did look for info from health plan on cost of service/equipment
75	H18037	Num	4	OFTEN13_.	Lst yr: how often able to find out cost of service/equipment
76	H18038	Num	4	YN.	Lst yr: did look for info from health plan on cost of prescription meds
77	H18039	Num	4	OFTEN14_.	Lst yr: how often able to find out cost of prescription meds
78	H18040	Num	4	YN.	Lst yr: did try to get info/help from health plan's cstmr service
79	H18041	Num	4	OFTEN15_.	Lst yr: how often did cstmr service give needed info/help
80	H18042	Num	4	OFTEN15_.	Lst yr: how often did cstmr service treat with courtesy/respect
81	H18043	Num	4	YN.	Lst yr: did health plan give any forms to fill out
82	H18044	Num	4	OFTEN16_.	Lst yr: how often were forms easy to fill out
83	H18045	Num	4	YNDNK.	Lst yr: send in any claims
84	H18046	Num	4	OFTEN6_.	Lst yr: how often did health plan handle claims quickly
85	H18047	Num	4	OFTEN6_.	Lst yr: how oftn handle claims correctly
86	H18048	Num	4	RATE4_.	Rating of all experience with hlth plan
87	H18049	Num	4	TIME5_.	Blood pressure: when lst reading
88	H18050	Num	4	YNBP_.	Blood pressure: know if too high or not
89	H18051	Num	4	TIME7_.	When did you lst have a flu shot
90	H18052	Num	4	YNDNK.	Smoked at least 100 cigarettes in life
91	H18053	Num	4	TIME8_.	Smoke or use tobacco everyday, some days or not at all
92	H18054	Num	4	OFTEN8_.	Lst yr: how often advised to quit smoking or use tobacco
93	H18055	Num	4	OFTEN8_.	Lst yr: how often recom medic assist quit smoking or using tobacco
94	H18056	Num	4	OFTEN8_.	Lst yr: how often discu meth/strag asst quit smoking or using tobacco
99	H18058	Num	4	SEX.	Are you male or female
101	H18060	Num	4	YN.	Are you under age 40
102	H18061	Num	4	TIME12_.	Lst time: breasts checked mammography
103	H18062	Num	4	YNPREG.	Been pregnant in lst yr or pregnant now
104	H18063	Num	4	PREG1_.	In what trimester is your pregnancy
105	H18064	Num	4	PREG2_.	Trimester first received prenatal care
106	H18065	Num	4	HEALTH.	In gnrl, how would you rate ovrall hlth
108	H18073	Num	4	XHISP.	Are you Spanish/Hispanic/Latino
24	H18002A	Num	4	MARKED.	Health plan(s) covered: TRICARE Prime
25	H18002C	Num	4	MARKED.	Health plan(s) covered: TRICARE Select
35	H18002F	Num	4	MARKED.	Health plan(s) covered: Medicare
36	H18002G	Num	4	MARKED.	Health plan(s) covered: FEHBP
37	H18002H	Num	4	MARKED.	Health plan(s) covered: Medicaid
38	H18002I	Num	4	MARKED.	Health plan(s) covered: civilian HMO
39	H18002J	Num	4	MARKED.	Health plan(s) covered: other civilian
33	H18002K	Num	4	MARKED.	Health plan(s) covered: USFHP
42	H18002L	Num	4	MARKED.	Health plan(s) covered: not sure
40	H18002M	Num	4	MARKED.	Health plan(s) covered: veterans
26	H18002N	Num	4	MARKED.	Health plan(s) covered: TRICARE Plus
27	H18002O	Num	4	MARKED.	Health plan(s) covered: TRICARE For Life
28	H18002P	Num	4	MARKED.	Health plan(s) covered: TRICARE Supplmntl Ins

29	H18002Q	Num	4	MARKED.	Health plan(s) covered: TRICARE Reserve Select
41	H18002R	Num	4	MARKED.	Health plan(s) covered: gov hlth ins- other cntry
30	H18002S	Num	4	MARKED.	Health plan(s) covered: TRICARE Retired Reserve
31	H18002T	Num	4	MARKED.	Health plan(s) covered: TRICARE Young Adult Prime
34	H18002U	Num	4	MARKED.	Health plan(s) covered: CHCBP
32	H18002V	Num	4	MARKED.	Health plan(s) covered: TRICARE Young Adult Ex or Standard
95	H18057A	Num	4	MARKED.	Do you smoke or use: cigarettes
96	H18057B	Num	4	MARKED.	Do you smoke or use: dip, chewing tobacco, snuff, or snus
97	H18057C	Num	4	MARKED.	Do you smoke or use: cigars
98	H18057D	Num	4	MARKED.	Do you smoke or use: pipes, bidis, or kreteks
100	H18059B	Num	4	TIME16_.	Lst have a Pap smear test
109	H18073A	Num	4	MARKED.	Not Spanish/Hispanic/Latino
110	H18073B	Num	4	MARKED.	Mexican, Mexican American, Chicano
111	H18073C	Num	4	MARKED.	Puerto Rican
112	H18073D	Num	4	MARKED.	Cuban or Other Spanish, Hispanic, or Latino
182	HP_BP	Num	8	HAYNN2_.	Bld prsre chck in last 2 yrs, know rslts
187	HP_CESH3	Num	8	SMOKE.	Had smoking cessation counseling - HEDIS (modified)
183	HP_FLU	Num	8	HAYNN.	65 and older, flu shot in last 12 mnths
180	HP_MAM50	Num	8	HAYNN.	Women 50>=, mammography in pst 2 yrs
179	HP_MAMOG	Num	8	HAYNN.	Women 40>=, mammography in pst 2 yrs
184	HP_OBESE	Num	8	HAYNN.	Obese/Morbidly obese
181	HP_PAP	Num	8	HAYNN.	All women, Pap smear in last 3 yrs
178	HP_PRNTL	Num	8	PRNTL.	Prgrnt in lst yr, receivd cre lst trimstr
186	HP_SMKH3	Num	8	SMOKE.	Smoker under HEDIS definition (modified)
185	HP_SMOKE	Num	8	HAYNN.	Advised to quit smoking in last 12 mnths
5	JSFLAG	Num	3	JSFLAG.	Joint Service Flag
177	KCIVINS	Num	8	HAYNN2_.	Beneficiary coverd by civilian insurance
127	KEYCOUNT	Num	8		# Key Questions Answered
155	MISS_1	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): violates skip pattern
156	MISS_4	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): incomplete grid error
157	MISS_5	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): scalable reponse of don't know
158	MISS_6	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): not applicable - valid skip
159	MISS_7	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): out-of-range error
160	MISS_9	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): no response - invalid skip
161	MISS_TOT	Num	8	HAMISS.	Total number of missing responses (pre-cleaning)
7	MPCSMPL	Num	8	MPCSMPL.	MPCSMPL - Military Personnel Category
1	MPRID	Char	8	\$8.	Unique MPR Identifier
130	N1	Num	8		Coding Scheme Note 1
131	N2	Num	8		Coding Scheme Note 2
132	N3	Num	8		Coding Scheme Note 3
133	N4	Num	8		Coding Scheme Note 4
134	N5	Num	8		Coding Scheme Note 5
135	N6	Num	8		Coding Scheme Note 6
136	N7	Num	8		Coding Scheme Note 7
137	N8	Num	8		Coding Scheme Note 8
139	N9	Num	8		Coding Scheme Note 9
140	N10	Num	8		Coding Scheme Note 10
141	N12	Num	8		Coding Scheme Note 12
142	N13	Num	8		Coding Scheme Note 13

143	N14	Num	8		Coding Scheme Note 14
144	N15	Num	8		Coding Scheme Note 15
145	N16	Num	8		Coding Scheme Note 16
146	N17	Num	8		Coding Scheme Note 17
147	N18	Num	8		Coding Scheme Note 18
150	N20	Num	8		Coding Scheme Note 20
151	N21	Num	8		Coding Scheme Note 21
154	N24	Num	8		Coding Scheme Note 24
148	N19A	Num	8		Coding Scheme Note 19A
149	N19B	Num	8		Coding Scheme Note 19B
152	N23_HT	Num	8		Coding Scheme Note 23_HT
153	N23_WT	Num	8		Coding Scheme Note 23_WT
138	N8_01	Num	8		Coding Scheme Note 8_01
8	NHFF	Num	8		NHFF - Stratum Sample Size
123	ONTIME	Char	3		Responded Within 8 weeks of Mail-Out
172	OUTCATCH	Num	8	OCATCH.	Out of catchment area indicator
21	PATCAT	Char	7	\$AGGBCAT.	Aggregated Beneficiary Category
17	PCM	Char	3	\$PCM.	Primary Manager Code (CIV or MIL)
14	PNSEXCD	Char	1	\$SEXCD.	Person Gender
22	PNTYPECD	Char	1	\$PNTYPECD.	Person Type Code
188	POSTCELL	Char	5		ps cell for new wts - for all 3 quarters
9	QUARTER	Char	8		Survey Quarter
13	RACEETHN	Char	1	\$XRACECD.	Race/Ethnic Code
15	RDAGEQY	Num	3	XAGE_R.	Age at sampling-Capped(18 and below, 65 and above)
16	RFLDAGE	Num	3	XAGE_R.	Age at fielding-Capped(18 and below, 65 and above)
118	S18009	Num	4	YN.	Same prsnl doctor/nurse before this hlth plan
119	S18010	Num	4	PROB1_.	Prblm getting prsnl doctor/nurse you are happy with
120	S18011	Num	4	AGREE2_.	Agree/disagree: able to see provider when needed
121	S18014	Num	4	SATISFY.	How satisfied with health care during last visit
122	S18BF4	Num	4	TIME15_.	Often do you use e-cigarettes
3	SEXSMPL	Num	8	SEX.	SEXSMPL - Sex
117	SRAGE	Num	4	AGEGRP.	What is your age now
107	SREDA	Num	4	XEDUC.	Highest grade completed
113	SRRACEA	Num	4	MARKED.	Race: White
114	SRRACEB	Num	4	MARKED.	Race: Black or African American
115	SRRACEC	Num	4	MARKED.	Race: American Indian or Alaska Native or Native Hawaiian/other Pacific Isl.
116	SRRACED	Num	4	MARKED.	Race: Asian
4	STRATUM	Char	7		Sampling STRATUM
129	SURVTYPE	Num	8	SURVTYPE.	Web or Mail Survey
2	SVCSMPL	Num	8	SVCSMPL.	SVCSMPL - Branch of Service
11	TNEXREG	Char	1	\$TNEXREG.	TNEX Region - Based on Address
170	USA	Num	3	USAMHS.	USA - USA/OCONUS Indicator
128	WEB	Num	8	WEB.	Web survey indicator
165	XBENCAT	Num	8	XBENCAT.	Beneficiary Category
174	XBMICAT	Num	3	XBMICAT.	Body Mass Index Category
175	XBNFGRP	Num	8	XBGC_S.	Beneficiary Group
163	XENR_PCM	Num	8	PCM.	Enrollment by PCM type
166	XENR_RSV	Num	8	XENRRSV.	Enrollment by PCM type - Reservist
162	XENRLMT	Num	8	ENROLL.	Enrollment in TRICARE Prime
164	XINS_COV	Num	8	INSURE.	Insurance Coverage
167	XINS_RSV	Num	8	XINSRSV.	Insurance Coverage - Reservist
171	XOCONUS	Num	3	XOCONUS.	Overseas Europe/Pacific/Latin Indicator
168	XREGION	Num	3	CREG.	XREGION - Region
176	XSERVAFF	Num	3	XSERVAFF.	Service Affiliation
173	XSEXA	Num	8	HASEX.	Male or Female - R
169	XTNEXREG	Num	3	TNEX.	TNEX Region - Based on Location of Health Services

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

APPENDIX F

SAS PROC CONTENTS—CREATION ORDER 2018 ADULT HCSDB –QUARTER II

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

The CONTENTS Procedure

Data Set Name	IN.HCS182_1	Observations	12849
Member Type	DATA	Variables	249
Engine	V9	Indexes	0
Created	05/31/2018 12:07:33	Observation Length	1465
Last Modified	05/31/2018 12:07:33	Deleted Observations	0
Protection		Compressed	CHAR
Data Set Type		Reuse Space	NO
Label		Point to Observations	YES
Data Representation	WINDOWS_64	Sorted	NO
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	65536
Number of Data Set Pages	231
Number of Data Set Repairs	0
ExtendObsCounter	YES
Filename	/sasdata/Projects/40309_HCS/DATA/HCSDB/Q2FY2018/Data/AFinal/fmtlib/WindowsVersionForDHA/hcs182_1.sas7bdat
Release Created	9.0401M0
Host Created	X64_7PRO
Inode Number	1245592675
Access Permission	rw-rw-r--
Owner Name	root
File Size	15MB
File Size (bytes)	15204352

The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
1	MPRID	Char	8	\$8.	\$8.	Unique MPR Identifier
2	SVCSMPL	Num	8	SVCSMPL.		SVCSMPL - Branch of Service
3	SEXSMPL	Num	8	SEX.		SEXSMPL - Sex
4	STRATUM	Char	7			Sampling STRATUM
5	JSFLAG	Num	3	JSFLAG.		Joint Service Flag
6	ENBGSMPL	Char	2	\$ENBGS.		Enrollment by beneficiary category
7	MPCSMPL	Num	8	MPCSMPL.		MPCSMPL - Military Personnel Category
8	NHFF	Num	8			NHFF - Stratum Sample Size
9	QUARTER	Char	8			Survey Quarter
10	D_HEALTH	Char	2	\$DHEALTH.		Health Service Region
11	TNEXREG	Char	1	\$TNEXREG.		TNEX Region - Based on Address
12	BWT	Num	8			BWT - Basic Sampling Weight
13	RACEETHN	Char	1	\$XRACECD.		Race/Ethnic Code
14	PNSEXCD	Char	1	\$SEXCD.		Person Gender
15	RDAGEQY	Num	3	XAGE_R.		Age at sampling-Capped(18 and below, 65 and above)
16	RFLDAGE	Num	3	XAGE_R.		Age at fielding-Capped(18 and below, 65 and above)
17	PCM	Char	3	\$PCM.		Primary Manager Code (CIV or MIL)
18	ACV	Char	1	\$ACV2_.		Alternate Care Value
19	DBENCAT	Char	3	\$BENCAT.		Beneficiary Category
20	DSPONSVC	Char	1	\$SPONSVC.		Derived Sponsor Branch of Service
21	PATCAT	Char	7	\$AGGBCAT.		Aggregated Beneficiary Category
22	PNTYPCD	Char	1	\$PNTYPCD.		Person Type Code
23	H18001	Num	4	YN.		Are you the person listed on envelope
24	H18002A	Num	4	MARKED.		Health plan(s) covered: TRICARE Prime
25	H18002C	Num	4	MARKED.		Health plan(s) covered: TRICARE Select
26	H18002N	Num	4	MARKED.		Health plan(s) covered: TRICARE Plus
27	H18002O	Num	4	MARKED.		Health plan(s) covered: TRICARE For Life
28	H18002P	Num	4	MARKED.		Health plan(s) covered: TRICARE Supplmntl Ins
29	H18002Q	Num	4	MARKED.		Health plan(s) covered: TRICARE Reserve Select
30	H18002S	Num	4	MARKED.		Health plan(s) covered: TRICARE Retired Reserve
31	H18002T	Num	4	MARKED.		Health plan(s) covered: TRICARE Young Adult Prime
32	H18002V	Num	4	MARKED.		Health plan(s) covered: TRICARE Young Adult Ex or Standard
33	H18002K	Num	4	MARKED.		Health plan(s) covered: USFHP
34	H18002U	Num	4	MARKED.		Health plan(s) covered: CHCBP
35	H18002F	Num	4	MARKED.		Health plan(s) covered: Medicare
36	H18002G	Num	4	MARKED.		Health plan(s) covered: FEHBP
37	H18002H	Num	4	MARKED.		Health plan(s) covered: Medicaid
38	H18002I	Num	4	MARKED.		Health plan(s) covered: civilian HMO
39	H18002J	Num	4	MARKED.		Health plan(s) covered: other civilian
40	H18002M	Num	4	MARKED.		Health plan(s) covered: veterans
41	H18002R	Num	4	MARKED.		Health plan(s) covered: gov hlth ins-other cntry
42	H18002L	Num	4	MARKED.		Health plan(s) covered: not sure
43	H18003	Num	4	HPLAN1_.		Which health plan did you use most
44	H18004	Num	4	HPTIME.		Yrs in a row with health plan
45	H18006	Num	4	YN.		In 1st yr:ill/injry/cond care right away
46	H18007	Num	4	OFTEN2_.		In 1st yr:get urgnt care as soon as wntd
47	H18008	Num	4	TIME1_.		In 1st yr:wait btwn try get care,see prv
48	H18009	Num	4	YN.		In 1st yr:make appts non-urgnt hlth care
49	H18010	Num	4	OFTEN3_.		In 1st yr:non-urg hlth cre appt whn wntd
50	H18011	Num	4	TIME2_.		In 1st yr:days btwn appt & see prvder
51	H18012	Num	4	OFTEN4_.		In 1st yr:go to emrgncy rm for own care

52	H18013	Num	4	OFTEN4_.	In lst yr:go to Dr office/clinic for care
53	H18014	Num	4	OFTEN8_.	Lst yr: how often talk to doctor about illness prvntn
54	H18015	Num	4	YN.	Lst yr: did doctor tell you more than 1 choice for trtmnt
55	H18016	Num	4	YNDEF.	Lst yr: did talk to doctor about pros/cons of trtmnt
56	H18017	Num	4	YNDEF.	Lst yr: did doctor ask which trtmnt option best for you
57	H18018	Num	4	RATE3_.	Rating of all health care in lst yr
58	H18019	Num	4	YN.	Have one person think of as personal Dr
59	H18020	Num	4	OFTEN10_.	Lst yr: how often visit prsnl doctor for care for yourself
60	H18021	Num	4	OFTEN5_.	Lst yr: how oftn Drs listen to you
61	H18022	Num	4	OFTEN5_.	Lst yr: how oftn Drs explain things
62	H18023	Num	4	OFTEN5_.	Lst yr: how oftn Drs show respect
63	H18024	Num	4	OFTEN5_.	Lst yr: how oftn Drs spend enough time
64	H18025	Num	4	YN.	Lst yr: did get care from doctor other than prsnl doctor
65	H18026	Num	4	OFTEN8_.	Lst yr: how often prsnl doctor seemed infrmd of care from other doctors
66	H18027	Num	4	RATE6_.	Rating of your personal Dr
67	H18028	Num	4	YN.	Lst yr: did make any appointments to see spclst
68	H18029	Num	4	OFTEN9_.	Lst yr: how often easy to get appointments with spclsts
69	H18030	Num	4	SPCLST.	Lst yr: how many spclsts seen
70	H18031	Num	4	RATE2_.	Rating of specialist seen in lst yr
71	H18033	Num	4	OFTEN11_.	Lst yr: how often easy to get care, test, or trtmnt
72	H18034	Num	4	YN.	Lst yr: did look for info from written material/Internet
73	H18035	Num	4	OFTEN12_.	Lst yr: how often written material/Internet provide needed info
74	H18036	Num	4	YN.	Lst yr: did look for info from health plan on cost of service/equipment
75	H18037	Num	4	OFTEN13_.	Lst yr: how often able to find out cost of service/equipment
76	H18038	Num	4	YN.	Lst yr: did look for info from health plan on cost of prescription meds
77	H18039	Num	4	OFTEN14_.	Lst yr: how often able to find out cost of prescription meds
78	H18040	Num	4	YN.	Lst yr: did try to get info/help from health plan's cstmr service
79	H18041	Num	4	OFTEN15_.	Lst yr: how often did cstmr service give needed info/help
80	H18042	Num	4	OFTEN15_.	Lst yr: how often did cstmr service treat with courtesy/respect
81	H18043	Num	4	YN.	Lst yr: did health plan give any forms to fill out
82	H18044	Num	4	OFTEN16_.	Lst yr: how often were forms easy to fill out
83	H18045	Num	4	YNDNK.	Lst yr: send in any claims
84	H18046	Num	4	OFTEN6_.	Lst yr: how often did health plan handle claims quickly
85	H18047	Num	4	OFTEN6_.	Lst yr: how oftn handle claims correctly
86	H18048	Num	4	RATE4_.	Rating of all experience with hlth plan
87	H18049	Num	4	TIME5_.	Blood pressure: when lst reading
88	H18050	Num	4	YNBP_.	Blood pressure: know if too high or not
89	H18051	Num	4	TIME7_.	When did you lst have a flu shot
90	H18052	Num	4	YNDNK.	Smoked at least 100 cigarettes in life
91	H18053	Num	4	TIME8_.	Smoke or use tobacco everyday, some days or not at all
92	H18054	Num	4	OFTEN8_.	Lst yr: how often advised to quit smoking or use tobacco
93	H18055	Num	4	OFTEN8_.	Lst yr: how often recom medic assist quit smoking or using tobacco

94	H18056	Num	4	OFTEN8_.	Lst yr: how often discu meth/strag
95	H18057A	Num	4	MARKED.	asst quit smoking or using tobacco
96	H18057B	Num	4	MARKED.	Do you smoke or use: cigarettes
97	H18057C	Num	4	MARKED.	Do you smoke or use: dip, chewing
98	H18057D	Num	4	MARKED.	tobacco, snuff, or snus
99	H18058	Num	4	SEX.	Do you smoke or use: cigars
100	H18059B	Num	4	TIME16_.	Do you smoke or use: pipes, bidis, or
101	H18060	Num	4	YN.	kreteks
102	H18061	Num	4	TIME12_.	Are you male or female
103	H18062	Num	4	YNPREG.	Lst have a Pap smear test
104	H18063	Num	4	PREG1_.	Are you under age 40
105	H18064	Num	4	PREG2_.	Lst time: breasts checked mammography
106	H18065	Num	4	HEALTH.	Been pregnant in lst yr or pregnant
107	SREDA	Num	4	XEDUC.	now
108	H18073	Num	4	XHISP.	In what trimester is your pregnancy
109	H18073A	Num	4	MARKED.	Trimester first received prenatal care
110	H18073B	Num	4	MARKED.	In gnrl, how would you rate ovrall
111	H18073C	Num	4	MARKED.	hlth
112	H18073D	Num	4	MARKED.	Highest grade completed
113	SRRACEA	Num	4	MARKED.	Are you Spanish/Hispanic/Latino
114	SRRACEB	Num	4	MARKED.	Not Spanish/Hispanic/Latino
115	SRRACEC	Num	4	MARKED.	Mexican, Mexican American, Chicano
116	SRRACED	Num	4	MARKED.	Puerto Rican
117	SRAGE	Num	4	AGEGRP.	Cuban or Other Spanish, Hispanic, or
118	S18009	Num	4	YN.	Latino
119	S18010	Num	4	PROB1_.	Race: White
120	S18011	Num	4	AGREE2_.	Race: Black or African American
121	S18014	Num	4	SATISFY.	Race: American Indian or Alaska Native
122	S18BF4	Num	4	TIME15_.	or Native Hawaiian/other Pacific Isl.
123	ONTIME	Char	3		Race: Asian
124	FLAG_FIN	Char	5	\$FINAL.	What is your age now
125	DUPFLAG	Char	3		Same prsnl doctor/nurse before this
126	FNSTATUS	Num	8	FNSTATS.	hlth plan
127	KEYCOUNT	Num	8		Prblm getting prsnl doctor/nurse you
128	WEB	Num	8	WEB.	are happy with
129	SURVTYPE	Num	8	SURVTYPE.	Agree/disagree: able to see provider
130	N1	Num	8		when needed
131	N2	Num	8		How satisfied with health care during
132	N3	Num	8		last visit
133	N4	Num	8		Often do you use e-cigarettes
134	N5	Num	8		Responded Within 8 weeks of Mail-Out
135	N6	Num	8		Final Disposition
136	N7	Num	8		Multiple Response Indicator
137	N8	Num	8		Final Status
138	N8_01	Num	8		# Key Questions Answered
139	N9	Num	8		Web survey indicator
140	N10	Num	8		Web or Mail Survey
141	N12	Num	8		Coding Scheme Note 1
142	N13	Num	8		Coding Scheme Note 2
143	N14	Num	8		Coding Scheme Note 3
144	N15	Num	8		Coding Scheme Note 4
145	N16	Num	8		Coding Scheme Note 5
146	N17	Num	8		Coding Scheme Note 6
147	N18	Num	8		Coding Scheme Note 7
148	N19A	Num	8		Coding Scheme Note 8
149	N19B	Num	8		Coding Scheme Note 8_01
150	N20	Num	8		Coding Scheme Note 9
151	N21	Num	8		Coding Scheme Note 10
152	N23_HT	Num	8		Coding Scheme Note 12
153	N23_WT	Num	8		Coding Scheme Note 13
154	N24	Num	8		Coding Scheme Note 14

155	MISS_1	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): violates skip pattern
156	MISS_4	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): incomplete grid error
157	MISS_5	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): scalable reponse of don't know
158	MISS_6	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): not applicable - valid skip
159	MISS_7	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): out-of-range error
160	MISS_9	Num	8	HAMISS.	Count of original survey responses (pre-cleaning): no response - invalid skip
161	MISS_TOT	Num	8	HAMISS.	Total number of missing responses (pre-cleaning)
162	XENRLMT	Num	8	ENROLL.	Enrollment in TRICARE Prime
163	XENR_PCM	Num	8	PCM.	Enrollment by PCM type
164	XINS_COV	Num	8	INSURE.	Insurance Coverage
165	XBENCAT	Num	8	XBENCAT.	Beneficiary Category
166	XENR_RSV	Num	8	XENRRSV.	Enrollment by PCM type - Reservist
167	XINS_RSV	Num	8	XINSRSV.	Insurance Coverage - Reservist
168	XREGION	Num	3	CREG.	XREGION - Region
169	XTNEXREG	Num	3	TNEX.	TNEX Region - Based on Location of Health Services
170	USA	Num	3	USAMHS.	USA - USA/OCONUS Indicator
171	XOCONUS	Num	3	XOCONUS.	Overseas Europe/Pacific/Latin Indicator
172	OUTCATCH	Num	8	OCATCH.	Out of catchment area indicator
173	XSEX	Num	8	HASEX.	Male or Female - R
174	XBMICAT	Num	3	XBMICAT.	Body Mass Index Category
175	XBNFGRP	Num	8	XBGC_S.	Beneficiary Group
176	XSERVAFF	Num	3	XSERVAFF.	Service Affiliation
177	KCIVINS	Num	8	HAYNN2_.	Beneficiary covered by civilian insurance
178	HP_PRNTL	Num	8	PRNTL.	Prgrnt in 1st yr, receivd cre 1st trimstr
179	HP_MAMOG	Num	8	HAYNN.	Women 40>=, mammography in pst 2 yrs
180	HP_MAM50	Num	8	HAYNN.	Women 50>=, mammography in pst 2 yrs
181	HP_PAP	Num	8	HAYNN.	All women, Pap smear in last 3 yrs
182	HP_BP	Num	8	HAYNN2_.	Bld prsre chck in last 2 yrs, know rslts
183	HP_FLU	Num	8	HAYNN.	65 and older, flu shot in last 12 mnths
184	HP_OBESE	Num	8	HAYNN.	Obese/Morbidly obese
185	HP_SMOKE	Num	8	HAYNN.	Advised to quit smoking in last 12 mnths
186	HP_SMKH3	Num	8	SMOKE.	Smoker under HEDIS definition (modified)
187	HP_CESH3	Num	8	SMOKE.	Had smoking cessation counseling - HEDIS (modified)
188	POSTCELL	Char	5		ps cell for new wts - for all 3 quarters
189	FWRWT1	Num	8		Replicated/JackKnife NEW Weight 1
190	FWRWT2	Num	8		Replicated/JackKnife NEW Weight 2
191	FWRWT3	Num	8		Replicated/JackKnife NEW Weight 3
192	FWRWT4	Num	8		Replicated/JackKnife NEW Weight 4
193	FWRWT5	Num	8		Replicated/JackKnife NEW Weight 5
194	FWRWT6	Num	8		Replicated/JackKnife NEW Weight 6
195	FWRWT7	Num	8		Replicated/JackKnife NEW Weight 7
196	FWRWT8	Num	8		Replicated/JackKnife NEW Weight 8
197	FWRWT9	Num	8		Replicated/JackKnife NEW Weight 9
198	FWRWT10	Num	8		Replicated/JackKnife NEW Weight 10
199	FWRWT11	Num	8		Replicated/JackKnife NEW Weight 11
200	FWRWT12	Num	8		Replicated/JackKnife NEW Weight 12
201	FWRWT13	Num	8		Replicated/JackKnife NEW Weight 13
202	FWRWT14	Num	8		Replicated/JackKnife NEW Weight 14
203	FWRWT15	Num	8		Replicated/JackKnife NEW Weight 15
204	FWRWT16	Num	8		Replicated/JackKnife NEW Weight 16
205	FWRWT17	Num	8		Replicated/JackKnife NEW Weight 17
206	FWRWT18	Num	8		Replicated/JackKnife NEW Weight 18
207	FWRWT19	Num	8		Replicated/JackKnife NEW Weight 19

208	FWRWT20	Num	8	Replicated/JackKnife	NEW	Weight	20
209	FWRWT21	Num	8	Replicated/JackKnife	NEW	Weight	21
210	FWRWT22	Num	8	Replicated/JackKnife	NEW	Weight	22
211	FWRWT23	Num	8	Replicated/JackKnife	NEW	Weight	23
212	FWRWT24	Num	8	Replicated/JackKnife	NEW	Weight	24
213	FWRWT25	Num	8	Replicated/JackKnife	NEW	Weight	25
214	FWRWT26	Num	8	Replicated/JackKnife	NEW	Weight	26
215	FWRWT27	Num	8	Replicated/JackKnife	NEW	Weight	27
216	FWRWT28	Num	8	Replicated/JackKnife	NEW	Weight	28
217	FWRWT29	Num	8	Replicated/JackKnife	NEW	Weight	29
218	FWRWT30	Num	8	Replicated/JackKnife	NEW	Weight	30
219	FWRWT31	Num	8	Replicated/JackKnife	NEW	Weight	31
220	FWRWT32	Num	8	Replicated/JackKnife	NEW	Weight	32
221	FWRWT33	Num	8	Replicated/JackKnife	NEW	Weight	33
222	FWRWT34	Num	8	Replicated/JackKnife	NEW	Weight	34
223	FWRWT35	Num	8	Replicated/JackKnife	NEW	Weight	35
224	FWRWT36	Num	8	Replicated/JackKnife	NEW	Weight	36
225	FWRWT37	Num	8	Replicated/JackKnife	NEW	Weight	37
226	FWRWT38	Num	8	Replicated/JackKnife	NEW	Weight	38
227	FWRWT39	Num	8	Replicated/JackKnife	NEW	Weight	39
228	FWRWT40	Num	8	Replicated/JackKnife	NEW	Weight	40
229	FWRWT41	Num	8	Replicated/JackKnife	NEW	Weight	41
230	FWRWT42	Num	8	Replicated/JackKnife	NEW	Weight	42
231	FWRWT43	Num	8	Replicated/JackKnife	NEW	Weight	43
232	FWRWT44	Num	8	Replicated/JackKnife	NEW	Weight	44
233	FWRWT45	Num	8	Replicated/JackKnife	NEW	Weight	45
234	FWRWT46	Num	8	Replicated/JackKnife	NEW	Weight	46
235	FWRWT47	Num	8	Replicated/JackKnife	NEW	Weight	47
236	FWRWT48	Num	8	Replicated/JackKnife	NEW	Weight	48
237	FWRWT49	Num	8	Replicated/JackKnife	NEW	Weight	49
238	FWRWT50	Num	8	Replicated/JackKnife	NEW	Weight	50
239	FWRWT51	Num	8	Replicated/JackKnife	NEW	Weight	51
240	FWRWT52	Num	8	Replicated/JackKnife	NEW	Weight	52
241	FWRWT53	Num	8	Replicated/JackKnife	NEW	Weight	53
242	FWRWT54	Num	8	Replicated/JackKnife	NEW	Weight	54
243	FWRWT55	Num	8	Replicated/JackKnife	NEW	Weight	55
244	FWRWT56	Num	8	Replicated/JackKnife	NEW	Weight	56
245	FWRWT57	Num	8	Replicated/JackKnife	NEW	Weight	57
246	FWRWT58	Num	8	Replicated/JackKnife	NEW	Weight	58
247	FWRWT59	Num	8	Replicated/JackKnife	NEW	Weight	59
248	FWRWT60	Num	8	Replicated/JackKnife	NEW	Weight	60
249	FWRWT	Num	8	Final	NEW	Weight	

APPENDIX G

RESPONSE RATE TABLES – QUARTER II

THIS PAGE HAS BEEN LEFT BLANK FOR DOUBLE-SIDED COPYING.

TABLE G.1

RESPONSE RATES BY ENROLLMENT AND BENEFICIARY CATEGORY– QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
Active Duty	16.8	14.6
Active Duty fam,Prime,civ PCM	7.0	6.7
Active Duty fam,Prime,mil PCM	5.7	5.8
Active Duty fam,non-enrollee	3.3	4.0
Retired,<65,civ PCM	21.3	20.9
Retired,<65,mil PCM	19.5	19.5
Retired,<65,non-enrollee	13.1	14.2
Retired,65+,enrolled	34.9	34.2
Retired,65+,non-enrollee	27.5	27.4
TRICARE Reserve Select	9.5	9.5

TABLE G.2

RESPONSE RATES BY XOCONUS – QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
In US/Missing Region	13.0	18.6
Europe	12.4	13.2
Western Pacific	10.9	13.1
Latin America	11.1	19.1

TABLE G.3

RESPONSE RATES BY SEX – QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
Male	16.3	21.2
Female	10.0	15.6

TABLE G.4

RESPONSE RATES BY CONUS/OCONUS INDICATOR – QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
Invalid/Missing	10.5	15.6
Not in USA	11.6	13.9
In USA	13.0	18.7

TABLE G.5

RESPONSE RATES BY BENEFICIARY CATEGORY – QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
Active Duty and Guard/Reserve	16.7	14.4
Dependent of Active Duty & Guard/Reserve	5.1	5.4
Retiree/Depend of Retiree/Survivor/Other 65+	28.2	28.1
Retiree/Depend of Retiree/Survivor/Other <65	17.9	17.3

TABLE G.6

RESPONSE RATES BY SAMPLING CATCHMENT AREA - QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
Fox AHC-Redstone Arsenal	18.5	22.7
Lyster AHC-Ft. Rucker	14.5	15.9
42nd Medical Group-Maxwell	19.1	20.2
Bassett ACH-Ft. Wainwright	9.5	12.0
3rd Med Grp-Elmendorf	11.7	25.3
R W Bliss AHC-Ft. Huachuca	16.0	13.7
56th Med Grp-Luke	15.1	18.2
355th Med Grp-Davis Monthan	11.8	14.3
60th Med Grp-Travis	15.3	22.4
95th Med Grp-Edwards	13.2	15.3
NH Camp Pendleton	7.7	17.2
NBHC Port Hueneme	14.6	14.6
NH LeMoore	12.7	13.9
NMC San Diego	7.8	11.7
NH Twentynine Palms	9.2	10.6
Evans ACH-Ft. Carson	6.8	14.7
10th Med Group-USAF Academy CO	28.0	27.2
Walter Reed AMC-Washington DC	36.1	35.7
NH Pensacola	11.1	13.2
NH Jacksonville	12.6	19.5
96th Med Grp-Eglin	11.8	22.6
325th Med Grp-Tyndall	16.6	17.9
6th Med Grp-MacDill	15.7	19.6
45th Med Grp-Patrick	21.6	21.6
Eisenhower AMC-Ft. Gordon	9.2	7.8
Martin ACH-Ft. Benning	8.4	13.3
Winn ACH-Ft. Stewart	6.2	8.2
78th Med Grp-Robins	15.2	18.4
Tripler AMC-Ft. Shafter	8.2	10.4
366th Med Grp-Mountain Home	14.1	13.1
375th Med Grp-Scott	16.7	17.6
FHCC-Formerly NHC Great Lakes	9.5	11.2
Irwin ACH-Ft. Riley	8.0	8.2
Munson AHC-Ft. Leavenworth	15.8	18.9
Blanchfield ACH-Ft. Campbell	6.5	9.5
Ireland ACH-Ft. Knox	19.5	23.8
2nd Med Grp-Barksdale	13.4	15.6
Bayne-Jones ACH-Ft. Polk	6.4	7.5
779th Med Grp-Andrews	12.3	16.1
Walter Reed Natl Mil Med Cntr	13.7	21.5
NHC Patuxent River	14.7	17.8
Kimbrough Amb Car Cen-Ft Meade	16.5	25.1
81st Med Grp-Keesler	14.2	22.6
L. Wood ACH-Ft. Leonard Wood	10.3	16.1
55th Med Grp-Offutt	15.2	17.9
99th Med Grp-O'Callaghan Hosp	14.3	22.9
377th Med Grp-Kirtland	20.4	21.6
Keller ACH-West Point	11.7	13.9

TABLE G.6 (continued)

	Unweighted Response Rate	Weighted Response Rate
Womack AMC-Ft. Bragg	8.8	11.5
NH Camp Lejeune	7.9	11.6
NHC Cherry Point	12.2	14.9
88th Med Grp-Wright-Patterson	20.7	26.3
72nd Med Grp-Tinker	14.8	17.9
Reynolds ACH-Ft. Sill	10.3	11.3
20th Med Grp-Shaw	14.3	15.9
Naval Health Clinic Charleston	12.0	12.4
NH Beaufort	7.9	10.0
Moncrief ACH-Ft. Jackson	14.3	17.9
William Beaumont AMC-Ft. Bliss	8.8	15.1
Brooke AMC-Ft. Sam Houston	13.0	24.5
Darnall ACH-Ft. Hood	7.2	11.5
7th Med Grp-Dyess	17.1	17.0
82nd Med Grp-Sheppard	17.5	19.7
59th Med Wing-Lackland	14.3	15.4
NHC Corpus Christi	16.8	16.8
75th Med Grp-Hill	16.1	18.2
633rd Med Grp Langley-Eustis	13.3	19.3
McDonald AHC-Ft. Eustis	14.6	28.8
Kenner AHC-Ft. Lee	18.7	23.0
Ft Belvoir Community Hosp-FBCH	14.7	22.8
NMC Portsmouth	8.1	13.3
Madigan AMC-Ft. Lewis	10.4	16.3
NH Bremerton	11.3	21.4
NH Oak Harbor	12.6	23.3
92nd Med Grp-Fairchild	19.5	17.2
90th Med Grp-F.E. Warren	13.9	20.8
Weed ACH-Ft. Irwin	9.3	11.0
NBHC NAS North Island	13.7	14.6
21st Med Grp-Peterson	16.1	19.4
NHC Hawaii	13.5	15.5
NBHC Portsmouth	14.6	15.4
Guthrie AHC-Ft. Drum	9.1	9.2
NBHC Little Creek	12.7	15.5
NHC Quantico	10.7	12.0
NBHC Oceana	10.7	13.3
NBHC Mayport	14.3	17.5
NBHC NTC San Diego	9.4	11.5
NBHC Navsta Sewells	14.6	16.2
Landstuhl Regional Medcen	10.6	11.9
Bavaria Meddac	10.8	13.5
Brian Allgood ACH-Seoul	8.1	8.1
NH Guantanamo Bay	13.8	18.8
NH Naples	8.4	9.9
NH Guam-Agana	9.9	11.0
NH Okinawa	9.1	11.4
NH Yokosuka	9.8	11.1
48th Med Grp-Lakenheath	12.8	13.9
374th Med Grp-Yokota AB	16.4	23.9

TABLE G.6 (continued)

	Unweighted Response Rate	Weighted Response Rate
422 ABS Med Flt-Croughton	16.7	27.2
470 Med Flt-Geilenkirchen	8.8	12.5
18th Med Grp-Kadena AB	12.5	16.1
52nd Med Group-Spangdahlem	15.6	18.5
RAF Upwood	12.2	13.1
USCG Clinic Detroit	33.3	33.3
USCG Clinic Key West	25.0	24.1
TRICARE Outpatient-Chula Vista	15.8	32.4
Naval Health Care New England	17.5	19.7
Out of Catchment North Region	11.8	20.4
Out of Catchment South Region	11.0	20.0
Out of Catchment West Region	13.3	22.6
Out of Catchment OCONUS Region	10.9	17.5

Note: The Sampling Catchment Area variable is only provided in the restricted use file to maintain respondent confidentiality.

TABLE G.7

RESPONSE RATES BY SERVICE AFFILIATION – QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
Missing/unknown	2.3	3.4
Army	10.7	14.4
Coast Guard	24.7	26.1
Air Force	15.3	20.2
Administrative	14.0	19.8
Support Contractor	11.3	14.2
Navy	14.3	22.6
National Capital Region Medical Director	10.2	21.4
Noncatchment	17.4	25.6
Uniformed Services Family Health Plan	2.3	3.4

TABLE G.8

RESPONSE RATES BY JOINT SERVICE FLAG – QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
Not Joint Service	12.8	18.3
Joint Service	14.6	22.4

TABLE G.9

RESPONSE RATES BY SERVICE – QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
Army	11.1	17.0
Navy	12.1	17.3
Marine Corps	8.9	13.8
Air Force	15.5	21.9
Coast Guard	16.7	24.6
Other/Unknown	23.4	28.6

TABLE G.10

RESPONSE RATES BY TNEX REGION – QUARTER II, 2018

	Unweighted Response Rate	Weighted Response Rate
East-North	12.6	18.6
East-South	13.1	18.3
West	13.2	18.9
Overseas	11.6	15.4

TABLE G.11

RESPONSE RATES BY COMBINED GEOGRAPHIC AREA – QUARTER II, 2018

TNEX Region	Catchment Area	Unweighted Response Rate	Weighted Response Rate
East-North	Walter Reed AMC-Washington DC	36.1	35.7
East-North	375th Med Grp-Scott	16.7	17.6
East-North	FHCC-Formerly NHC Great Lakes	9.5	11.2
East-North	Blanchfield ACH-Ft. Campbell	6.5	9.5
East-North	Ireland ACH-Ft. Knox	19.5	23.8
East-North	779th Med Grp-Andrews	12.3	16.1
East-North	Walter Reed Natl Mil Med Cntr	13.7	21.5
East-North	NHC Patuxent River	14.7	17.8
East-North	Kimbrough Amb Car Cen-Ft Meade	16.5	25.1
East-North	Keller ACH-West Point	11.7	13.9
East-North	Womack AMC-Ft. Bragg	8.8	11.5
East-North	NH Camp Lejeune	7.9	11.6
East-North	NHC Cherry Point	12.2	14.9
East-North	88th Med Grp-Wright-Patterson	20.7	26.3
East-North	633rd Med Grp Langley-Eustis	13.3	19.3
East-North	McDonald AHC-Ft. Eustis	14.6	28.8
East-North	Kenner AHC-Ft. Lee	18.7	23.0
East-North	Ft Belvoir Community Hosp-FBCH	14.7	22.8
East-North	NMC Portsmouth	8.1	13.3
East-North	NBHC Portsmouth	14.6	15.4
East-North	Guthrie AHC-Ft. Drum	9.1	9.2
East-North	NBHC Little Creek	12.7	15.5
East-North	NHC Quantico	10.7	12.0
East-North	NBHC Oceana	10.7	13.3
East-North	NBHC Navsta Sewells	14.6	16.2
East-North	USCG Clinic Detroit	33.3	33.3
East-North	Naval Health Care New England	17.5	19.7
East-North	Out of Catchment North Region	11.8	20.4
East-North	Out of Catchment OCONUS Region	9.6	22.8
East-South	Fox AHC-Redstone Arsenal	18.5	22.7
East-South	Lyster AHC-Ft. Rucker	14.5	15.9
East-South	42nd Medical Group-Maxwell	19.1	20.2
East-South	NH Pensacola	11.1	13.2
East-South	NH Jacksonville	12.6	19.5
East-South	96th Med Grp-Eglin	11.8	22.6
East-South	325th Med Grp-Tyndall	16.6	17.9
East-South	6th Med Grp-MacDill	15.7	19.6
East-South	45th Med Grp-Patrick	21.6	21.6
East-South	Eisenhower AMC-Ft. Gordon	9.2	7.8
East-South	Martin ACH-Ft. Benning	8.4	13.3
East-South	Winn ACH-Ft. Stewart	6.2	8.2
East-South	78th Med Grp-Robins	15.2	18.4
East-South	2nd Med Grp-Barksdale	13.4	15.6
East-South	Bayne-Jones ACH-Ft. Polk	6.4	7.5
East-South	81st Med Grp-Keesler	14.2	22.6
East-South	72nd Med Grp-Tinker	14.8	17.9
East-South	Reynolds ACH-Ft. Sill	10.3	11.3
East-South	20th Med Grp-Shaw	14.3	15.9

TABLE G.11 (continued)

TNEX Region	Catchment Area	Unweighted Response Rate	Weighted Response Rate
East-South	Naval Health Clinic Charleston	12.0	12.4
East-South	NH Beaufort	7.9	10.0
East-South	Moncrief ACH-Ft. Jackson	14.3	17.9
East-South	Brooke AMC-Ft. Sam Houston	13.0	24.5
East-South	Darnall ACH-Ft. Hood	7.2	11.5
East-South	7th Med Grp-Dyess	17.1	17.0
East-South	82nd Med Grp-Sheppard	17.5	19.7
East-South	59th Med Wing-Lackland	14.3	15.4
East-South	NHC Corpus Christi	16.8	16.8
East-South	NBHC Mayport	14.3	17.5
East-South	USCG Clinic Key West	28.6	28.6
East-South	Out of Catchment South Region	11.0	20.0
East-South	Out of Catchment OCONUS Region	8.9	5.5
West	Bassett ACH-Ft. Wainwright	9.5	12.0
West	3rd Med Grp-Elmendorf	11.7	25.3
West	R W Bliss AHC-Ft. Huachuca	16.0	13.7
West	56th Med Grp-Luke	15.1	18.2
West	355th Med Grp-Davis Monthan	11.8	14.3
West	60th Med Grp-Travis	15.3	22.4
West	95th Med Grp-Edwards	13.2	15.3
West	NH Camp Pendleton	7.7	17.2
West	NBHC Port Hueneme	14.6	14.6
West	NH LeMoore	12.7	13.9
West	NMC San Diego	7.8	11.7
West	NH Twentynine Palms	9.2	10.6
West	Evans ACH-Ft. Carson	6.8	14.7
West	10th Med Group-USAF Academy CO	28.0	27.2
West	Tripler AMC-Ft. Shafter	8.2	10.4
West	366th Med Grp-Mountain Home	14.1	13.1
West	Irwin ACH-Ft. Riley	8.0	8.2
West	Munson AHC-Ft. Leavenworth	15.8	18.9
West	L. Wood ACH-Ft. Leonard Wood	10.3	16.1
West	55th Med Grp-Offutt	15.2	17.9
West	99th Med Grp-O'Callaghan Hosp	14.3	22.9
West	377th Med Grp-Kirtland	20.4	21.6
West	William Beaumont AMC-Ft. Bliss	8.8	15.1
West	75th Med Grp-Hill	16.1	18.2
West	Madigan AMC-Ft. Lewis	10.4	16.3
West	NH Bremerton	11.3	21.4
West	NH Oak Harbor	12.6	23.3
West	92nd Med Grp-Fairchild	19.5	17.2
West	90th Med Grp-F.E. Warren	13.9	20.8
West	Weed ACH-Ft. Irwin	9.3	11.0
West	NBHC NAS North Island	13.7	14.6
West	21st Med Grp-Peterson	16.1	19.4
West	NHC Hawaii	13.5	15.5
West	NBHC NTC San Diego	9.4	11.5
West	TRICARE Outpatient-Chula Vista	15.8	32.4
West	Out of Catchment West Region	13.3	22.6
West	Out of Catchment OCONUS Region	2.6	5.7

TABLE G.11 (continued)

TNEX Region	Catchment Area	Unweighted Response Rate	Weighted Response Rate
Overseas	Landstuhl Regional Medcen	10.6	11.9
Overseas	Bavaria Meddac	10.8	13.5
Overseas	Brian Allgood ACH-Seoul	8.1	8.1
Overseas	NH Guantanamo Bay	13.8	18.8
Overseas	NH Naples	8.4	9.9
Overseas	NH Guam-Agana	9.9	11.0
Overseas	NH Okinawa	9.1	11.4
Overseas	NH Yokosuka	9.8	11.1
Overseas	48th Med Grp-Lakenheath	12.8	13.9
Overseas	374th Med Grp-Yokota AB	16.4	23.9
Overseas	422 ABS Med Flt-Croughton	16.7	27.2
Overseas	470 Med Flt-Geilenkirchen	9.1	12.8
Overseas	18th Med Grp-Kadena AB	12.5	16.1
Overseas	52nd Med Group-Spangdahlem	15.6	18.5
Overseas	RAF Upwood	12.2	13.1
Overseas	Out of Catchment OCONUS Region	11.0	21.9

Note: The Sampling Catchment Area variable is only provided on the restricted use file to maintain respondent confidentiality.

TABLE G.12

RESPONSE RATES BY BENEFICIARY CATEGORY AND SEX – QUARTER II, 2018

Beneficiary Category	Sex	Unweighted Response Rate	Weighted Response Rate
Active Duty and Guard/Reserve	Male	16.3	14.0
Active Duty and Guard/Reserve	Female	18.5	16.5
Dependent of Active Duty & Guard/Reserve	Male	3.3	3.2
Dependent of Active Duty & Guard/Reserve	Female	5.3	5.8
Retiree/Depend of Retiree/Survivor/Other 65+	Male	35.8	35.6
Retiree/Depend of Retiree/Survivor/Other 65+	Female	21.8	21.6
Retiree/Depend of Retiree/Survivor/Other <65	Male	19.4	18.9
Retiree/Depend of Retiree/Survivor/Other <65	Female	16.4	15.9

TABLE G.13

RESPONSE RATES BY BENEFICIARY CATEGORY AND SERVICE – QUARTER II, 2018

Beneficiary	Service	Unweighted Response Rate	Weighted Response Rate
Active Duty and Guard/Reserve	Army	13.0	11.5
Active Duty and Guard/Reserve	Navy	14.0	12.8
Active Duty and Guard/Reserve	Marine Corps	10.0	8.9
Active Duty and Guard/Reserve	Air Force	22.0	21.8
Active Duty and Guard/Reserve	Coast Guard	24.9	26.8
Active Duty and Guard/Reserve	Other/Unknown	33.8	34.2
Dependent of Active Duty & Guard/Reserve	Army	4.7	5.3
Dependent of Active Duty & Guard/Reserve	Navy	5.4	5.2
Dependent of Active Duty & Guard/Reserve	Marine Corps	3.9	4.3
Dependent of Active Duty & Guard/Reserve	Air Force	5.2	5.6
Dependent of Active Duty & Guard/Reserve	Coast Guard	7.8	9.4
Dependent of Active Duty & Guard/Reserve	Other/Unknown	12.4	13.4
Retiree/Depend of Retiree/Survivor/Other 65+	Army	28.1	28.1
Retiree/Depend of Retiree/Survivor/Other 65+	Navy	26.2	26.1
Retiree/Depend of Retiree/Survivor/Other 65+	Marine Corps	27.2	26.7
Retiree/Depend of Retiree/Survivor/Other 65+	Air Force	29.2	29.0
Retiree/Depend of Retiree/Survivor/Other 65+	Coast Guard	40.7	39.9
Retiree/Depend of Retiree/Survivor/Other 65+	Other/Unknown	25.0	23.7
Retiree/Depend of Retiree/Survivor/Other <65	Army	16.9	16.2
Retiree/Depend of Retiree/Survivor/Other <65	Navy	17.6	16.6
Retiree/Depend of Retiree/Survivor/Other <65	Marine Corps	15.6	15.4
Retiree/Depend of Retiree/Survivor/Other <65	Air Force	19.2	19.5
Retiree/Depend of Retiree/Survivor/Other <65	Coast Guard	19.7	19.7
Retiree/Depend of Retiree/Survivor/Other <65	Other/Unknown	38.3	41.9