```
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NOTE: SAS (r) Proprietary Software 9.2 (TS1M0)
     Licensed to SOCIAL & SCIENTIFIC SYSTEMS INC/AHRQ/NIH/HRSA, Site 0070021279.
NOTE: This session is executing on the XP_PRO platform.
NOTE: SAS initialization used:
     real time 0:01.46 user cpu time 0:00.28
     system cpu time 0:00.67
                                      2554k
     OS Memory
                                      3292k
     Timestamp
                        12/16/2008 2:00:49 PM
NOTE: AUTOEXEC processing beginning; file is C:\PROGRA~1\SAS92\SASFOU~1\9.2\autoexec.sas.
NOTE: AUTOEXEC processing completed.
          /*************************
3
          PROGRAM:
                        C:\\MEPS\PROG\M5.SAS
          DESCRIPTION: THIS EXAMPLE SHOWS THE DIFFERENCE BETWEEN TWO USES OF
                        THE TERM "PRIORITY CONDITION" IN MEPS.
                         THE MEPS SUPPLEMENTAL PRIORITY CONDITIONS (PC) SECTION
                         ASKS (IN ROUNDS 2/4), FOR EACH PERSON, ABOUT THE
10
                         EXISTENCE OF CERTAIN PRIORITY CONDITIONS (SEE PAGES C-56 -
11
                         C-60 OF THE HC-097 DOCUMENTATION FILE).
                         INFORMATION COLLECTED IN THE PC SECTION OF THE MEPS
12
                         IS DISTINCT FROM THAT INCLUDED IN THE CONDITION
                         ROSTER. THESE CONDITIONS ARE NOT PART OF THE CONDITION
14
15
                         ROSTER UNLESS THEY ARE MENTIONED ELSEWHERE IN THE
16
                         INTERVIEW. NOTE THAT PC QUESTIONS ARE OF THE FORM,
                         "HAS PERSON *EVER* BEEN TOLD BY A DOCTOR OR OTHER
17
                         HEALTH PROFESSIONAL THAT THEY HAVE (CONDITION)?"
18
19
                         THE VARIABLES ASSOCIATED WITH THESE PC SECTION
20
                         QUESTIONS ARE ON THE FULL-YEAR FILE (HC-097 FOR 2005).
21
2.2
                         THE CONDITIONS FILE ALSO HAS A SET OF CONDITIONS
                         FLAGGED AS PRIORITY BY THE VARIABLE PRIOLIST (SEE APPENDIX
                         4 OF THE CONDITIONS FILE DOCUMENTATION). THESE
24
25
                         CONDITIONS MIGHT COME FROM A REPORT OF BEING BOTHERED BY THE
                         CONDITION DURING THE YEAR, FROM AN ASSOCIATED
26
2.7
                         EVENT OR PRESCRIPTION MEDICINE IN THE YEAR, FROM BEING
                         ASSOCIATED WITH A DISABILITY DAY DURING THE YEAR, OR AS A
28
                         FOLLOW-UP QUESTION FOR A PREVIOUSLY REPORTED CONDITION WHERE
29
30
                         THE PRIORITY LIST FLAG IS SET (PRIOLIST=1). SETTING THE
                         PRIORITY LIST FLAG IS A MANUAL PROCESS AND MAY NOT HAVE BEEN
31
32
                         SET FOR ALL ELIGIBLE CONDITIONS.
33
                         (1) C:\MEPS\DATA\H96.SAS7BDAT (2005 MEDICAL CONDITIONS FILE)
          INPUT FILES:
34
35
                         (2) C:\MEPS\DATA\H97.SAS7BDAT (2005 FULL-YEAR DATA FILE)
36
37
          38
39
40
          FOOTNOTE 'PROGRAM: C:\MEPS\PROG\M5.SAS';
41
42
          LIBNAME CDATA 'C:\MEPS\DATA';
NOTE: Libref CDATA was successfully assigned as follows:
     Engine:
              V9
     Physical Name: C:\MEPS\DATA
43
44
          TITLE1 'AHRQ MEPS DATA USERS WORKSHOP -- SEPTEMBER 2008';
45
          TITLE2 'TWO DIFFERENT SETS OF PRIORITY CONDITIONS';
46
          PROC FORMAT;
             VALUE SICD9F
48
49
             '250' = 'DIABETES MELLITUS*'
             '401' = 'ESSENTIAL HYPERTENSION'
50
             '492' = 'EMPHYSEMA*'
51
             '493' = 'ASTHMA';
NOTE: Format $ICD9F has been output.
```

```
53
             VALUE YESNOF
             -1 = '-1 INAPPLICABLE'
             1 = '1 YES'
             0 = '0 NO';
56
NOTE: Format YESNOF has been output.
            VALUE PRIOF
58
            1 = '1 YES'
             2 = '2 NO';
59
NOTE: Format PRIOF has been output.
         RUN;
NOTE: PROCEDURE FORMAT used (Total process time):
     real time 0:00.12
     user cpu time
                        0:00.00
     system cpu time 0:00.06
                                      145k
     Memory
     OS Memory
                                      3548k
                        12/16/2008 2:00:50 PM
     Timestamp
61
62
          *READ 2005 CONDITIONS FILE AND SELECT THE FOLLOWING CONDITIONS -
63
           DIABETES MELLITUS, ESSENTIAL HYPERTENSION, EMPHYSEMA, ASTHMA;
          DATA COND2005;
65
            SET CDATA. H96 (KEEP= DUPERSID CONDIDX ICD9CODX PRIOLIST);
66
             WHERE ICD9CODX IN ('250', '401', '492', '493');
NOTE: There were 9413 observations read from the data set CDATA.H96.
     WHERE ICD9CODX in ('250', '401', '492', '493');
NOTE: The data set WORK.COND2005 has 9413 observations and 4 variables.
NOTE: DATA statement used (Total process time):
     real time 0:00.98
     user cpu time
                       0:00.03
     system cpu time 0:00.09
     Memory
                                      650k
     OS Memory
                                      4344k
                       12/16/2008 2:00:51 PM
     Timestamp
68
          TITLE3 'VARIABLES FROM 2005 COND FILE';
69
          TITLE4 'CONDITION LEVEL';
70
71
72
          PROC FREO DATA= COND2005;
73
            TABLES ICD9CODX
74
                      ICD9CODX*PRIOLIST / LIST MISSING;
75
            FORMAT ICD9CODX $ICD9F. PRIOLIST PRIOF. ;
76
          RUN;
NOTE: There were 9413 observations read from the data set WORK.COND2005.
NOTE: The PROCEDURE FREQ printed page 1.
NOTE: PROCEDURE FREQ used (Total process time):
                 0:00.22
     real time
                       0:00.03
     user cpu time
      system cpu time
                        0:00.04
                                      1412k
     Memory
     OS Memory
                                      5112k
                        12/16/2008 2:00:51 PM
     Timestamp
77
78
          PROC SORT DATA= COND2005;
79
           BY DUPERSID;
          RUN;
80
NOTE: There were 9413 observations read from the data set WORK.COND2005.
NOTE: The data set WORK.COND2005 has 9413 observations and 4 variables.
NOTE: PROCEDURE SORT used (Total process time):
     real time
                        0:00.03
     user cpu time
     system cpu time 0:00.03
     Memory
                                      648k
     OS Memory
                                      5340k
                        12/16/2008 2:00:51 PM
     Timestamp
```

2

```
81
82
           * CREATE INDICATORS FOR EACH TYPE OF PRIORITY CONDITION;
           DATA CONDPERS (KEEP= DUPERSID C_DIABETES C_HYPERTENSION
83
84
                                  C_EMPHYSEMA C_ASTHMA);
85
             SET COND2005;
86
             BY DUPERSID;
87
             ARRAY CONDS{4} C_DIABETES C_HYPERTENSION C_EMPHYSEMA C_ASTHMA;
88
             RETAIN C_DIABETES C_HYPERTENSION C_EMPHYSEMA C_ASTHMA;
89
             IF FIRST DUPERSID
91
                DO XX = 1 TO 4;
92
                  CONDS{XX} = 0;
93
                END;
94
             IF ICD9CODX = '250'
                THEN C_DIABETES = 1;
95
             ELSE IF ICD9CODX = '401'
96
97
                THEN C_HYPERTENSION = 1;
98
             ELSE IF ICD9CODX = '492'
99
                THEN C_EMPHYSEMA = 1;
100
             ELSE IF ICD9CODX = '493'
101
                THEN C ASTHMA = 1;
102
             IF LAST.DUPERSID
103
                THEN
104
                DO;
105
                   DO YY = 1 TO 4;
106
                      IF CONDS{YY} NE 1
107
                         THEN CONDS\{YY\} = 0;
108
                    END;
109
                    OUTPUT CONDPERS;
                END;
110
111
          RUN;
NOTE: There were 9413 observations read from the data set WORK.COND2005.
NOTE: The data set WORK.CONDPERS has 7376 observations and 5 variables.
NOTE: DATA statement used (Total process time):
      real time
                         0:00.03
      user cpu time
                         0:00.00
      system cpu time 0:00.01
                                        260k
      Memory
      OS Memory
                                        5340k
      Timestamp
                         12/16/2008 2:00:51 PM
112
          TITLE3 'VARIABLES FROM 2005 CONDITIONS FILE';
113
114
          TITLE4 'PERSON LEVEL';
115
          PROC FREQ DATA= CONDPERS;
116
117
             TABLES C_DIABETES
118
                          C ASTHMA
119
                          C_HYPERTENSION
120
                          C_EMPHYSEMA
121
                          / LIST MISSING;
122
                FORMAT C_DIABETES C_ASTHMA C_HYPERTENSION C_EMPHYSEMA YESNOF. ;
          RUN;
123
NOTE: There were 7376 observations read from the data set WORK.CONDPERS.
NOTE: The PROCEDURE FREQ printed page 2.
NOTE: PROCEDURE FREQ used (Total process time):
                      0:00.01
      real time
      user cpu time
                        0:00.00
      system cpu time 0:00.01
      Memory
                                        506k
      OS Memory
                                        5624k
                         12/16/2008 2:00:51 PM
      Timestamp
124
125
           PROC SORT DATA= COND2005 NODUPKEY;
126
           BY DUPERSID ICD9CODX;
NOTE: There were 9413 observations read from the data set WORK.COND2005.
NOTE: 311 observations with duplicate key values were deleted.
NOTE: The data set WORK.COND2005 has 9102 observations and 4 variables.
NOTE: PROCEDURE SORT used (Total process time):
                         0:00.03
      real time
```

user cpu time

```
0:00.01
      system cpu time
                         0:00.01
                                       677k
      Memory
      OS Memory
                                       5340k
                          12/16/2008 2:00:51 PM
      Timestamp
128
          *READ 2005 CONSOLIDATED FULL YEAR FILE;
129
          *CREATE INDICATORS FOR EACH OF THE 4 PRIORITY CONDITIONS;
130
131
          DATA FY2005 (KEEP= DUPERSID PC_DIABETES PC_ASTHMA PC_HYPERTENSION PC_EMPHYSEMA);
132
                SET CDATA.H97 (KEEP= DUPERSID DIABDX53 ASTHDX53 HIBPDX53
                                    EMPHDX53 VARPSU VARSTR PERWT05F
133
134
                               RENAME=(DIABDX53=PC_DIABETES
135
                                       ASTHDX53=PC_ASTHMA
                                       HIBPDX53=PC_HYPERTENSION
136
137
                                       EMPHDX53=PC_EMPHYSEMA));
             ARRAY CONDS{4} PC_DIABETES PC_ASTHMA PC_HYPERTENSION PC_EMPHYSEMA;
138
139
             DO XX = 1 TO 4;
                IF ((CONDS{XX} = 2) OR (CONDS{XX} LT -1))
140
                   THEN CONDS\{XX\} = 0;
141
142
             END;
          RUN;
143
NOTE: There were 33961 observations read from the data set CDATA.H97.
NOTE: The data set WORK.FY2005 has 33961 observations and 5 variables.
NOTE: DATA statement used (Total process time):
     real time
                        0:01.78
      user cpu time
                         0:00.03
     system cpu time 0:00.14
      Memory
                                       545k
      OS Memory
                        12/16/2008 2:00:53 PM
      Timestamp
144
          PROC SORT DATA= FY2005;
145
146
           BY DUPERSID;
147
          RUN;
NOTE: There were 33961 observations read from the data set WORK.FY2005.
NOTE: The data set WORK.FY2005 has 33961 observations and 5 variables.
NOTE: PROCEDURE SORT used (Total process time):
                  0:00.03
     real time
                         0:00.01
      user cpu time
      system cpu time
                         0:00.00
                                       1511k
      Memory
      OS Memory
                                       6620k
                         12/16/2008 2:00:53 PM
148
          TITLE3 'VARIABLES FROM 2005 FULL-YEAR FILE';
149
          TITLE4 'PERSON-LEVEL';
150
151
152
          PROC FREQ DATA= FY2005;
153
             TABLES PC DIABETES
154
                         PC_ASTHMA
155
                         PC_HYPERTENSION
156
                         PC EMPHYSEMA
157
                          / LIST MISSING;
                FORMAT PC_DIABETES PC_ASTHMA PC_HYPERTENSION PC_EMPHYSEMA YESNOF. ;
158
159
          RUN;
NOTE: There were 33961 observations read from the data set WORK.FY2005.
NOTE: The PROCEDURE FREQ printed page 3.
NOTE: PROCEDURE FREQ used (Total process time):
     real time
                       0:00.03
      user cpu time
                        0:00.01
      system cpu time
                         0:00.00
      Memory
                                       507k
      OS Memory
                                       6648k
      Timestamp
                          12/16/2008 2:00:53 PM
```

```
162
          DATA FYCOND05;
163
             MERGE CONDPERS (IN= A) FY2005 (IN= B) END= ITSOVER;
164
             BY DUPERSID;
165
             ARRAY CONDS{4} C_DIABETES C_HYPERTENSION C_EMPHYSEMA C_ASTHMA;
166
             DO XX = 1 TO 4;
               IF CONDS{XX} = .
167
168
                   THEN CONDS\{XX\} = 0;
169
             END;
170
             IF A AND B
               THEN BOTH+1;
171
172
             ELSE IF A
173
               THEN JUSTA+1;
174
             ELSE IF B
175
               THEN JUSTB+1;
176
             IF ITSOVER
177
              THEN PUT BOTH= JUSTA= JUSTB= ;
178
             DROP XX;
             IF B;
179
180
          RUN;
BOTH=7376 JUSTA=0 JUSTB=26585
NOTE: There were 7376 observations read from the data set WORK.CONDPERS.
NOTE: There were 33961 observations read from the data set WORK.FY2005.
NOTE: The data set WORK.FYCOND05 has 33961 observations and 12 variables.
NOTE: DATA statement used (Total process time):
                     0:00.04
     real time
     user cpu time
                       0:00.01
     system cpu time 0:00.03
     Memory
                                       363k
     OS Memory
                                       6364k
     Timestamp
                        12/16/2008 2:00:53 PM
181
182
          TITLE3 'VARIABLES FROM COMBINED FILE';
183
          TITLE4 'PERSON-LEVEL';
          TITLE5 'C_variables FROM COND FILE, PC_variables FROM FULL YEAR FILE';
184
185
186
          PROC FREQ DATA= FYCOND05;
187
            TABLES C_DIABETES*PC_DIABETES
188
                         C_ASTHMA*PC_ASTHMA
189
                         C_HYPERTENSION*PC_HYPERTENSION
190
                         C_EMPHYSEMA*PC_EMPHYSEMA
191
                         / LIST MISSING;
                FORMAT C_DIABETES C_ASTHMA C_HYPERTENSION C_EMPHYSEMA
192
193
                         PC_DIABETES PC_ASTHMA PC_HYPERTENSION PC_EMPHYSEMA YESNOF. ;
194
          RUN;
NOTE: There were 33961 observations read from the data set WORK.FYCOND05.
NOTE: The PROCEDURE FREQ printed page 4.
NOTE: PROCEDURE FREQ used (Total process time):
                   0:00.04
     real time
     user cpu time
                        0:00.01
     system cpu time 0:00.03
                                       634k
     Memory
     OS Memory
                                       6648k
                 12/16/2008 2:00:53 PM
     Timestamp
195
196
197
198
199
200
NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414
NOTE: The SAS System used:
     user cpu time 0:05.26
     system cpu time 0:01.32
                                       5342k
     Memory
     OS Memory
                                       6648k
                        12/16/2008 2:00:53 PM
     Timestamp
```

AHRQ MEPS DATA USERS WORKSHOP -- SEPTEMBER 2008 TWO DIFFERENT SETS OF PRIORITY CONDITIONS VARIABLES FROM 2005 COND FILE

CONDITION LEVEL

The FREQ Procedure

ICD-9-CM CODE FOR CONDITION - EDITED

			Cumulative	Cumulative
ICD9CODX	Frequency	Percent	Frequency	Percent
DIABETES MELLITUS*	2172	23.07	2172	23.07
ESSENTIAL HYPERTENSION	5211	55.36	7383	78.43
EMPHYSEMA*	161	1.71	7544	80.14
ASTHMA	1869	19.86	9413	100.00

ICD9CODX	PRIOLIST	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DIABETES MELLITUS*	1 YES	1926	20.46	1926	20.46
DIABETES MELLITUS*	2 NO	246	2.61	2172	23.07
ESSENTIAL HYPERTENSION	1 YES	4569	48.54	6741	71.61
ESSENTIAL HYPERTENSION	2 NO	642	6.82	7383	78.43
EMPHYSEMA*	1 YES	153	1.63	7536	80.06
EMPHYSEMA*	2 NO	8	0.08	7544	80.14
ASTHMA	1 YES	1534	16.30	9078	96.44
ASTHMA	2 NO	335	3.56	9413	100.00

AHRQ MEPS DATA USERS WORKSHOP -- SEPTEMBER 2008 TWO DIFFERENT SETS OF PRIORITY CONDITIONS VARIABLES FROM 2005 CONDITIONS FILE PERSON LEVEL

The FREQ Procedure

C_DIABETES	Frequency	Percent	Cumulative Frequency		
0 NO	5327	72.22	5327	72.22	
1 YES	2049	27.78	7376	100.00	
			Cumulative	Cumulative	
C_ASTHMA	Frequency	Percent	Frequency	Percent	
0 NO	5583	75.69	5583	75.69	
1 YES	1793	24.31	7376	100.00	
			Cumulative	Cumulative	
C_HYPERTENSION	Frequency	Percent	Frequency	Percent	
0 NO	2274	30.83	2274	30.83	
1 YES	5102	69.17	7376	100.00	
			Cumulative	Cumulative	
C_EMPHYSEMA	Frequency	Percent	Frequency	Percent	
0 NO	7218	97.86	7218	97.86	
1 YES	158	2.14	7376	100.00	

AHRQ MEPS DATA USERS WORKSHOP -- SEPTEMBER 2008 TWO DIFFERENT SETS OF PRIORITY CONDITIONS VARIABLES FROM 2005 FULL-YEAR FILE

PERSON-LEVEL

The FREQ Procedure DIABETES DIAGNOSIS - RD 5/3

PC_DIABETES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1 INAPPLICABLE	393	1.16	393	1.16
0 NO	31565	92.94	31958	94.10
1 YES	2003	5.90	33961	100.00

ASTHMA DIAGNOSIS - RD 5/3

	PC_ASTHMA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-					
-	1 INAPPLICABLE	393	1.16	393	1.16
0	NO	30441	89.64	30834	90.79
1	YES	3127	9.21	33961	100.00

HIGH BLOOD PRESSURE DIAG (>17) - RD 5/3

			Cumulative	Cumulative
PC_HYPERTENSION	Frequency	Percent	Frequency	Percent
-1 INAPPLICABLE	10470	30.83	10470	30.83
0 NO	17279	50.88	27749	81.71
1 YES	6212	18.29	33961	100.00

EMPHYSEMA DIAGNOSIS (>17) - RD 5/3

			Cumulative	Cumulative
PC_EMPHYSEMA	Frequency	Percent	Frequency	Percent
-1 INAPPLICABLE	10470	30.83	10470	30.83
0 NO	23177	68.25	33647	99.08
1 YES	314	0.92	33961	100.00

AHRQ MEPS DATA USERS WORKSHOP -- SEPTEMBER 2008 14:00 Tuesday, December 16, 2008 4 TWO DIFFERENT SETS OF PRIORITY CONDITIONS

VARIABLES FROM COMBINED FILE PERSON-LEVEL

C_variables FROM COND FILE, PC_variables FROM FULL YEAR FILE

The FREQ Procedure

C_DIABETES	PC_DIABETES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 NO	-1 INAPPLICABLE	332	0.98	332	0.98
0 NO	0 NO	31429	92.54	31761	93.52
0 NO	1 YES	151	0.44	31912	93.97
1 YES	-1 INAPPLICABLE	61	0.18	31973	94.15
1 YES	0 NO	136	0.40	32109	94.55
1 YES	1 YES	1852	5.45	33961	100.00
				Cumulative	Cumulative
C_ASTHMA	PC_ASTHMA	Frequency	Percent	Frequency	Percent
0 NO	-1 INAPPLICABLE	381	1.12	381	1.12
0 NO	0 NO	30254	89.08	30635	90.21
0 NO	1 YES	1533	4.51	32168	94.72
1 YES	-1 INAPPLICABLE	12	0.04	32180	94.76
1 YES	0 NO	187	0.55	32367	95.31
1 YES	1 YES	1594	4.69	33961	100.00
				Cumulative	Cumulative
C_HYPERTENSION	PC_HYPERTENSION	Frequency	Percent	Frequency	Percent
0 NO	-1 INAPPLICABLE	10333	30.43	10333	30.43
0 NO	0 NO	17025	50.13	27358	80.56
0 NO	1 YES	1501	4.42	28859	84.98
1 YES	-1 INAPPLICABLE	137	0.40	28996	85.38
1 YES	0 NO	254	0.75	29250	86.13
1 YES	1 YES	4711	13.87	33961	100.00
				Cumulative	Cumulativo
C_EMPHYSEMA	PC_EMPHYSEMA	Frequency			
0 NO	-1 INAPPLICABLE	10457	30.79	10457	30.79
0 NO	0 NO	23164	68.21	33621	99.00
0 NO	1 YES	182	0.54	33803	99.53
1 YES	-1 INAPPLICABLE	13	0.04	33816	99.57
1 YES	0 NO	13	0.04	33829	99.61
1 YES	1 YES	132	0.39	33961	100.00