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NOTE: SAS (r) Proprietary Software 9.2 (TS1M0)

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NOTE: This session is executing on the XP_PRO platform.

NOTE: SAS initialization used:

real time	0:01.59	
user cpu time	0:00.10	
system cpu time	0:00.70	
Memory		2554k
OS Memory		3292k
Timestamp	12/16/2008 2:00:29 PM	

NOTE: AUTOEXEC processing beginning; file is C:\PROGRA~1\SAS92\SASFOU~1\9.2\autoexec.sas.

NOTE: AUTOEXEC processing completed.

```

1      /*****\
2
3      PROGRAM:      C:\MEPS\PROG\M3.SAS
4
5      DESCRIPTION:  THIS EXAMPLE SHOWS THE USE OF ID VARIABLES ON DIFFERENT
6                    MEPS PUBLIC-USE FILES (PUFs) AND HOW TO USE THESE ID
7                    VARIABLES TO MERGE MEPS FILES.
8
9                    THIS EXAMPLE SHOWS PRINTS OF PERSON-LEVEL AND CONDITION-
10                   LEVEL FILES TO SHOW THE USE OF THE ID VARIABLES.
11
12                   DUPERSID (HC-097) IS A PERSON-LEVEL IDENTIFIER.
13                   CONDIDX (HC-096) IS A PERSON-CONDITION-LEVEL IDENTIFIER.
14
15                   NOTE THAT THE MERGES USING DUPERSID ALSO USE PANEL, THAT IS,
16                   MERGE BY DUPERSID PANEL. WHILE NOT NECESSARY WHEN PROCESSING
17                   ONLY ONE YEAR OF MEPS DATA, AS IN THIS EXAMPLE, IT IS GOOD
18                   PROGRAMMING PRACTICE TO ADD PANEL TO MERGES BECAUSE
19                   WHEN PROCESSING DATA ACROSS SEVERAL MEPS YEARS, DUPERSID (AND
20                   OTHER IDS) MAY NOT BE UNIQUE. SPECIFICALLY, STARTING WITH MEPS 2004,
21                   PANEL 9, IDS DUPLICATE EARLIER YEARS.
22
23      INPUT FILE:   (1) C:\MEPS\DATA\H97.SAS7BDAT (2005 FULL-YEAR DATA FILE)
24                   (2) C:\MEPS\DATA\H96.SAS7BDAT (2005 CONDITIONS FILE)
25
26      \*****/
27
28      FOOTNOTE 'PROGRAM: C:\MEPS\PROG\M3.SAS';
29
30      LIBNAME CDATA 'C:\MEPS\DATA';
NOTE: Libref CDATA was successfully assigned as follows:
Engine:      V9
Physical Name: C:\MEPS\DATA
31
32      TITLE1 'AHRQ MEPS DATA USERS WORKSHOP -- SEPTEMBER 2008';
33      TITLE2 'ILLUSTRATING THE USE OF ID VARIABLES (DUPERSID, CONDIDX)';
34
35      PROC FORMAT;
36          VALUE YESNO
37              -9 = '-9 NOT ASCERTAINED'
38              -1 = '-1 INAPPLICABLE'
39              1 = '1 YES'
40              2 = '2 NO';
NOTE: Format YESNO has been output.
41          VALUE SEXF
42              1 = '1 MALE'
43              2 = '2 FEMALE';
NOTE: Format SEXF has been output.
44      RUN;

```

NOTE: PROCEDURE FORMAT used (Total process time):

real time	0:00.11	
user cpu time	0:00.00	
system cpu time	0:00.06	
Memory		145k
OS Memory		3548k

Timestamp 12/16/2008 2:00:30 PM

```

45
46 /***** GET DUPERSID AND OTHER VARIABLES FROM HC-097 *****/
47
48 * READ 2005 CONSOLIDATED FULL YEAR FILE;
49 PROC SORT DATA= CDATA.H97 (KEEP= DUID PID DUPERSID PANEL AGE05X SEX PERWT05F
50                               VARSTR VARPSU)
51       OUT= FY2005;
52       BY DUPERSID PANEL;
53       RUN;

```

NOTE: There were 33961 observations read from the data set CDATA.H97.
NOTE: The data set WORK.FY2005 has 33961 observations and 9 variables.
NOTE: PROCEDURE SORT used (Total process time):

```

real time      0:01.91
user cpu time  0:00.01
system cpu time 0:00.21
Memory                3065k
OS Memory            7132k
Timestamp          12/16/2008 2:00:32 PM

```

```

54
55 TITLE3 'PRINT OF SELECTED HC-097 (2005 FULL-YEAR FILE) RECORDS TO SHOW DUPERSID';
56
57 PROC PRINT DATA= FY2005 (FIRSTOBS=40 OBS= 90);
58     VAR DUID PID DUPERSID PANEL AGE05X SEX ;
59     FORMAT SEX SEXF. ;
60     RUN;

```

NOTE: There were 51 observations read from the data set WORK.FY2005.
NOTE: The PROCEDURE PRINT printed page 1.
NOTE: PROCEDURE PRINT used (Total process time):

```

real time      0:00.07
user cpu time  0:00.01
system cpu time 0:00.04
Memory                1061k
OS Memory            6364k
Timestamp          12/16/2008 2:00:32 PM

```

```

61
62 /***** GET DUPERSID, CONDDIX AND OTHER VARIABLES FROM HC-096 *****/
63
64 *READ 2005 CONDITIONS FILE;
65 PROC SORT DATA= CDATA.H96 (KEEP= DUPERSID PANEL CONDN CONDDIX INJURY ICD9CODX)
66       OUT= COND2005;
67       BY DUPERSID PANEL CONDDIX;
68       RUN;

```

NOTE: There were 104855 observations read from the data set CDATA.H96.
NOTE: The data set WORK.COND2005 has 104855 observations and 6 variables.
NOTE: PROCEDURE SORT used (Total process time):

```

real time      0:00.60
user cpu time  0:00.01
system cpu time 0:00.12
Memory                12325k
OS Memory            18704k
Timestamp          12/16/2008 2:00:32 PM

```

```

69
70 TITLE3 'PRINT OF SELECTED HC-096 (2005 CONDITIONS FILE) RECORDS TO SHOW';
71 TITLE4 'DUPERSID AND CONDDIX';
72
73 PROC PRINT DATA= COND2005 (FIRSTOBS=140 OBS=190);
74     VAR DUPERSID PANEL CONDN CONDDIX INJURY ICD9CODX;
75     FORMAT INJURY YESNO. ;
76     RUN;

```

NOTE: There were 51 observations read from the data set WORK.COND2005.
NOTE: The PROCEDURE PRINT printed page 2.
NOTE: PROCEDURE PRINT used (Total process time):

```

real time      0:00.00
user cpu time  0:00.00

```

```

system cpu time    0:00.00
Memory             162k
OS Memory          7132k
Timestamp          12/16/2008  2:00:32 PM

```

```

77
78      /***** MERGE FILES TO CONNECT PERSON INFO WITH CONDITION INFO. *****/
79      /***** THE MERGE MATCHES RECORDS USING THE DUPERSID VARIABLE *****/
80
81      DATA CONDINFO;
82          MERGE FY2005 COND2005;
83          BY DUPERSID PANEL;
84      RUN;

```

```

NOTE: There were 33961 observations read from the data set WORK.FY2005.
NOTE: There were 104855 observations read from the data set WORK.COND2005.
NOTE: The data set WORK.CONDINFO has 111962 observations and 13 variables.
NOTE: DATA statement used (Total process time):
      real time           0:00.11
      user cpu time       0:00.06
      system cpu time     0:00.03
      Memory              386k
      OS Memory           7132k
      Timestamp           12/16/2008  2:00:32 PM

```

```

85
86      TITLE3 'PRINT OF SELECTED RECORDS FROM MERGED, CONDITION-LEVEL, FILE';
87
88      PROC PRINT DATA= CONDINFO (FIRSTOBS=140 OBS=190);
89          VAR DUPERSID PANEL CONDIDX AGE05X SEX INJURY ICD9CODX;
90          FORMAT SEX SEXF. INJURY YESNO. ;
91      RUN;

```

```

NOTE: There were 51 observations read from the data set WORK.CONDINFO.
NOTE: The PROCEDURE PRINT printed page 3.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0:00.00
      user cpu time       0:00.00
      system cpu time     0:00.00
      Memory              222k
      OS Memory           7132k
      Timestamp           12/16/2008  2:00:32 PM

```

```

92
93      /***** MERGE FILES BUT NOW ONLY KEEP MATCHING RECORDS *****/
94
95      DATA CONDINFO_B;
96          MERGE FY2005 (IN= A) COND2005 (IN= B);
97          BY DUPERSID PANEL;
98          IF A AND B;
99      RUN;

```

```

NOTE: There were 33961 observations read from the data set WORK.FY2005.
NOTE: There were 104855 observations read from the data set WORK.COND2005.
NOTE: The data set WORK.CONDINFO_B has 104855 observations and 13 variables.
NOTE: DATA statement used (Total process time):
      real time           0:00.07
      user cpu time       0:00.04
      system cpu time     0:00.03
      Memory              367k
      OS Memory           7132k
      Timestamp           12/16/2008  2:00:33 PM

```

```

100
101     TITLE3 'PRINT OF SELECTED RECORDS FROM MERGED, CONDITION-LEVEL, FILE';
102     TITLE4 'WHERE ONLY MATCHED RECORDS WERE KEPT';
103
104     PROC PRINT DATA= CONDINFO_B (FIRSTOBS=140 OBS=190);
105         VAR DUPERSID PANEL CONDIDX AGE05X SEX INJURY ICD9CODX;
106         FORMAT SEX SEXF. INJURY YESNO. ;
107     RUN;

```

```

NOTE: There were 51 observations read from the data set WORK.CONDINFO_B.

```

NOTE: The PROCEDURE PRINT printed page 4.

NOTE: PROCEDURE PRINT used (Total process time):

real time	0:00.01	
user cpu time	0:00.00	
system cpu time	0:00.01	
Memory		222k
OS Memory		7132k
Timestamp	12/16/2008	2:00:33 PM

108

109

110

111

NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414

NOTE: The SAS System used:

real time	0:04.95	
user cpu time	0:00.29	
system cpu time	0:01.37	
Memory		16136k
OS Memory		18704k
Timestamp	12/16/2008	2:00:33 PM

Obs	DUID	PID	DUPERSID	PANEL	AGE05X	SEX
40	30021	18	30021018	10	61	2 FEMALE
41	30022	19	30022019	10	71	2 FEMALE
42	30023	16	30023016	10	84	1 MALE
43	30023	23	30023023	10	22	1 MALE
44	30023	30	30023030	10	21	2 FEMALE
45	30023	41	30023041	10	56	2 FEMALE
46	30023	58	30023058	10	0	2 FEMALE
47	30024	13	30024013	10	35	2 FEMALE
48	30024	20	30024020	10	55	1 MALE
49	30024	37	30024037	10	56	2 FEMALE
50	30024	44	30024044	10	35	1 MALE
51	30024	50	30024050	10	32	1 MALE
52	30025	11	30025011	10	0	1 MALE
53	30025	14	30025014	10	57	1 MALE
54	30025	21	30025021	10	40	2 FEMALE
55	30025	38	30025038	10	22	2 FEMALE
56	30025	45	30025045	10	16	1 MALE
57	30025	51	30025051	10	24	1 MALE
58	30026	11	30026011	10	37	1 MALE
59	30026	21	30026021	10	0	1 MALE
60	30026	26	30026026	10	32	2 FEMALE
61	30026	34	30026034	10	12	1 MALE
62	30026	42	30026042	10	5	2 FEMALE
63	30027	13	30027013	10	25	2 FEMALE
64	30027	20	30027020	10	25	1 MALE
65	30027	37	30027037	10	2	1 MALE
66	30028	15	30028015	10	60	2 FEMALE
67	30028	22	30028022	10	62	1 MALE
68	30028	39	30028039	10	28	1 MALE
69	30028	46	30028046	10	24	1 MALE
70	30030	19	30030019	10	35	2 FEMALE
71	30031	11	30031011	10	52	1 MALE
72	30031	12	30031012	10	52	2 FEMALE
73	30032	17	30032017	10	48	1 MALE
74	30032	24	30032024	10	19	1 MALE
75	30032	31	30032031	10	17	2 FEMALE
76	30034	11	30034011	10	28	1 MALE
77	30034	19	30034019	10	34	1 MALE
78	30034	21	30034021	10	23	1 MALE
79	30034	26	30034026	10	25	2 FEMALE
80	30034	34	30034034	10	1	2 FEMALE
81	30036	18	30036018	10	-1	2 FEMALE
82	30036	25	30036025	10	66	1 MALE
83	30037	17	30037017	10	60	1 MALE
84	30037	24	30037024	10	55	2 FEMALE
85	30038	10	30038010	10	70	1 MALE
86	30038	27	30038027	10	82	2 FEMALE
87	30039	13	30039013	10	36	2 FEMALE
88	30039	20	30039020	10	20	2 FEMALE
89	30039	37	30039037	10	18	1 MALE
90	30039	44	30039044	10	14	1 MALE

Obs	DUPERSID	PANEL	CONDN	CONDDIX	INJURY	ICD9CODX
140	30021018	10	84	300210180084	2 NO	473
141	30022019	10	16	300220190016	2 NO	401
142	30022019	10	22	300220190022	2 NO	780
143	30022019	10	38	300220190038	2 NO	787
144	30022019	10	44	300220190044	1 YES	719
145	30022019	10	50	300220190050	2 NO	304
146	30022019	10	66	300220190066	2 NO	530
147	30022019	10	72	300220190072	1 YES	920
148	30022019	10	88	300220190088	2 NO	300
149	30022019	10	94	300220190094	1 YES	827
150	30022019	10	107	300220190107	1 YES	920
151	30023023	10	18	300230230018	2 NO	462
152	30023030	10	17	300230300017	2 NO	V22
153	30023041	10	12	300230410012	2 NO	436
154	30023041	10	28	300230410028	2 NO	272
155	30023041	10	34	300230410034	2 NO	401
156	30023041	10	40	300230410040	2 NO	250
157	30023058	10	11	300230580011	2 NO	382
158	30023058	10	27	300230580027	2 NO	691
159	30023058	10	33	300230580033	2 NO	079
160	30024020	10	16	300240200016	2 NO	724
161	30025038	10	10	300250380010	2 NO	V22
162	30026011	10	13	300260110013	2 NO	487
163	30026026	10	14	300260260014	2 NO	V22
164	30026034	10	12	300260340012	2 NO	487
165	30026042	10	10	300260420010	2 NO	460
166	30027013	10	10	300270130010	2 NO	V22
167	30027037	10	18	300270370018	2 NO	478
168	30028015	10	14	300280150014	2 NO	401
169	30028015	10	20	300280150020	2 NO	-1
170	30028015	10	36	300280150036	2 NO	413
171	30028015	10	42	300280150042	2 NO	358
172	30028015	10	58	300280150058	2 NO	300
173	30028015	10	64	300280150064	2 NO	246
174	30028015	10	70	300280150070	2 NO	079
175	30028015	10	86	300280150086	2 NO	079
176	30028015	10	92	300280150092	2 NO	521
177	30028015	10	105	300280150105	2 NO	355
178	30028015	10	111	300280150111	2 NO	599
179	30028015	10	127	300280150127	2 NO	473
180	30028015	10	133	300280150133	2 NO	536
181	30028015	10	149	300280150149	2 NO	V68
182	30028015	10	155	300280150155	2 NO	272
183	30028015	10	161	300280150161	2 NO	522
184	30028015	10	177	300280150177	2 NO	530
185	30028015	10	183	300280150183	2 NO	V41
186	30028015	10	199	300280150199	2 NO	008
187	30028022	10	13	300280220013	2 NO	311
188	30028022	10	29	300280220029	2 NO	401
189	30028022	10	35	300280220035	2 NO	724
190	30028022	10	41	300280220041	2 NO	272

Obs	DUPERSID	PANEL	CONDIDX	AGE05X	SEX	INJURY	ICD9CODX
140	30021018	10	300210180012	61	2 FEMALE	2 NO	719
141	30021018	10	300210180028	61	2 FEMALE	2 NO	477
142	30021018	10	300210180034	61	2 FEMALE	2 NO	401
143	30021018	10	300210180040	61	2 FEMALE	2 NO	715
144	30021018	10	300210180056	61	2 FEMALE	2 NO	272
145	30021018	10	300210180062	61	2 FEMALE	2 NO	728
146	30021018	10	300210180078	61	2 FEMALE	2 NO	695
147	30021018	10	300210180084	61	2 FEMALE	2 NO	473
148	30022019	10	300220190016	71	2 FEMALE	2 NO	401
149	30022019	10	300220190022	71	2 FEMALE	2 NO	780
150	30022019	10	300220190038	71	2 FEMALE	2 NO	787
151	30022019	10	300220190044	71	2 FEMALE	1 YES	719
152	30022019	10	300220190050	71	2 FEMALE	2 NO	304
153	30022019	10	300220190066	71	2 FEMALE	2 NO	530
154	30022019	10	300220190072	71	2 FEMALE	1 YES	920
155	30022019	10	300220190088	71	2 FEMALE	2 NO	300
156	30022019	10	300220190094	71	2 FEMALE	1 YES	827
157	30022019	10	300220190107	71	2 FEMALE	1 YES	920
158	30023016	10		84	1 MALE	.	
159	30023023	10	300230230018	22	1 MALE	2 NO	462
160	30023030	10	300230300017	21	2 FEMALE	2 NO	V22
161	30023041	10	300230410012	56	2 FEMALE	2 NO	436
162	30023041	10	300230410028	56	2 FEMALE	2 NO	272
163	30023041	10	300230410034	56	2 FEMALE	2 NO	401
164	30023041	10	300230410040	56	2 FEMALE	2 NO	250
165	30023058	10	300230580011	0	2 FEMALE	2 NO	382
166	30023058	10	300230580027	0	2 FEMALE	2 NO	691
167	30023058	10	300230580033	0	2 FEMALE	2 NO	079
168	30024013	10		35	2 FEMALE	.	
169	30024020	10	300240200016	55	1 MALE	2 NO	724
170	30024037	10		56	2 FEMALE	.	
171	30024044	10		35	1 MALE	.	
172	30024050	10		32	1 MALE	.	
173	30025011	10		0	1 MALE	.	
174	30025014	10		57	1 MALE	.	
175	30025021	10		40	2 FEMALE	.	
176	30025038	10	300250380010	22	2 FEMALE	2 NO	V22
177	30025045	10		16	1 MALE	.	
178	30025051	10		24	1 MALE	.	
179	30026011	10	300260110013	37	1 MALE	2 NO	487
180	30026021	10		0	1 MALE	.	
181	30026026	10	300260260014	32	2 FEMALE	2 NO	V22
182	30026034	10	300260340012	12	1 MALE	2 NO	487
183	30026042	10	300260420010	5	2 FEMALE	2 NO	460
184	30027013	10	300270130010	25	2 FEMALE	2 NO	V22
185	30027020	10		25	1 MALE	.	
186	30027037	10	300270370018	2	1 MALE	2 NO	478
187	30028015	10	300280150014	60	2 FEMALE	2 NO	401
188	30028015	10	300280150020	60	2 FEMALE	2 NO	-1
189	30028015	10	300280150036	60	2 FEMALE	2 NO	413
190	30028015	10	300280150042	60	2 FEMALE	2 NO	358

Obs	DUPERSID	PANEL	CONDDIX	AGE05X	SEX	INJURY	ICD9CODX
140	30021018	10	300210180084	61	2 FEMALE	2 NO	473
141	30022019	10	300220190016	71	2 FEMALE	2 NO	401
142	30022019	10	300220190022	71	2 FEMALE	2 NO	780
143	30022019	10	300220190038	71	2 FEMALE	2 NO	787
144	30022019	10	300220190044	71	2 FEMALE	1 YES	719
145	30022019	10	300220190050	71	2 FEMALE	2 NO	304
146	30022019	10	300220190066	71	2 FEMALE	2 NO	530
147	30022019	10	300220190072	71	2 FEMALE	1 YES	920
148	30022019	10	300220190088	71	2 FEMALE	2 NO	300
149	30022019	10	300220190094	71	2 FEMALE	1 YES	827
150	30022019	10	300220190107	71	2 FEMALE	1 YES	920
151	30023023	10	300230230018	22	1 MALE	2 NO	462
152	30023030	10	300230300017	21	2 FEMALE	2 NO	V22
153	30023041	10	300230410012	56	2 FEMALE	2 NO	436
154	30023041	10	300230410028	56	2 FEMALE	2 NO	272
155	30023041	10	300230410034	56	2 FEMALE	2 NO	401
156	30023041	10	300230410040	56	2 FEMALE	2 NO	250
157	30023058	10	300230580011	0	2 FEMALE	2 NO	382
158	30023058	10	300230580027	0	2 FEMALE	2 NO	691
159	30023058	10	300230580033	0	2 FEMALE	2 NO	079
160	30024020	10	300240200016	55	1 MALE	2 NO	724
161	30025038	10	300250380010	22	2 FEMALE	2 NO	V22
162	30026011	10	300260110013	37	1 MALE	2 NO	487
163	30026026	10	300260260014	32	2 FEMALE	2 NO	V22
164	30026034	10	300260340012	12	1 MALE	2 NO	487
165	30026042	10	300260420010	5	2 FEMALE	2 NO	460
166	30027013	10	300270130010	25	2 FEMALE	2 NO	V22
167	30027037	10	300270370018	2	1 MALE	2 NO	478
168	30028015	10	300280150014	60	2 FEMALE	2 NO	401
169	30028015	10	300280150020	60	2 FEMALE	2 NO	-1
170	30028015	10	300280150036	60	2 FEMALE	2 NO	413
171	30028015	10	300280150042	60	2 FEMALE	2 NO	358
172	30028015	10	300280150058	60	2 FEMALE	2 NO	300
173	30028015	10	300280150064	60	2 FEMALE	2 NO	246
174	30028015	10	300280150070	60	2 FEMALE	2 NO	079
175	30028015	10	300280150086	60	2 FEMALE	2 NO	079
176	30028015	10	300280150092	60	2 FEMALE	2 NO	521
177	30028015	10	300280150105	60	2 FEMALE	2 NO	355
178	30028015	10	300280150111	60	2 FEMALE	2 NO	599
179	30028015	10	300280150127	60	2 FEMALE	2 NO	473
180	30028015	10	300280150133	60	2 FEMALE	2 NO	536
181	30028015	10	300280150149	60	2 FEMALE	2 NO	V68
182	30028015	10	300280150155	60	2 FEMALE	2 NO	272
183	30028015	10	300280150161	60	2 FEMALE	2 NO	522
184	30028015	10	300280150177	60	2 FEMALE	2 NO	530
185	30028015	10	300280150183	60	2 FEMALE	2 NO	V41
186	30028015	10	300280150199	60	2 FEMALE	2 NO	008
187	30028022	10	300280220013	62	1 MALE	2 NO	311
188	30028022	10	300280220029	62	1 MALE	2 NO	401
189	30028022	10	300280220035	62	1 MALE	2 NO	724
190	30028022	10	300280220041	62	1 MALE	2 NO	272