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PROGRAM: C:\MEPS\PROG\EXAMPLE07.SAS

DESCRIPTION: THIS EXAMPLE SHOWS HOW TO COMPUTE PERSON-LEVEL  
PRESCRIBED MEDICINE EXPENDITURES FOR PERSONS  
WITH AT LEAST ONE PMED EVENT.

INPUT FILES: C:\MEPS\DATA\H77A.SAS7BDAT (2003 PMED EVENTS FILE)  
C:\MEPS\DATA\H79.SAS7BDAT (2003 FULL-YEAR DATA FILE)

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FOOTNOTE 'PROGRAM: C:\MEPS\PROG\PMED\EXAMPLE07.SAS';

LIBNAME CDATA V8 'C:\MEPS\DATA';

TITLE1 'AHRQ MEPS DATA USERS WORKSHOP -- JULY 2006';  
TITLE2 'PERSON LEVEL PRESCRIBED MEDICINE EXPENDITURES';

PROC FORMAT;

VALUE AGECAT  
. = 'TOTAL'  
1 = 'UNDER 18'  
2 = '18 - 64'  
3 = '65 AND OLDER'  
;

VALUE RACETHN  
1 = 'HISPANIC'  
2 = 'BLACK'  
3 = 'ASIAN'  
4 = 'OTHER';

VALUE INSCOV  
1 = 'ANY PRIVATE'  
2 = 'PUBLIC ONLY'  
3 = 'UNINSURED';

RUN;

/\*\*\*\*\* USE THE PMED EVENTS FILE (HC-077A) TO IDENTIFY \*\*\*\*\*/  
/\*\*\*\*\* PERSON WITH AT LEAST ONE PMED EVENT. \*\*\*\*\*/

PROC SORT DATA= CDATA.H77A (KEEP= DUPERSID) OUT= PUF77A NODUPKEY;  
BY DUPERSID;

RUN;

DATA PUF79 ;  
SET CDATA.H79 (KEEP= DUPERSID AGE: RX: RACETHNX

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                PERWT03F VAR: INSCOV03);
IF AGE03X>=0 THEN AGE=AGE03X;
ELSE IF AGE53X>=0 THEN AGE=AGE53X;
ELSE IF AGE42X>=0 THEN AGE=AGE42X;
ELSE IF AGE31X>=0 THEN AGE=AGE31X;
ELSE AGE=AGE03X;
IF 0<= AGE <18 THEN AGECAT=1;
ELSE IF 18 <= AGE <65 THEN AGECAT=2;
ELSE IF AGE>=65 THEN AGECAT=3;
OTHER=(RXEXP03-(RXMCD03+RXMCR03+RXPRV03+RXSLF03));
RXEXP03X=RXEXP03/1000;
RXMCD03X=RXMCD03/1000;
RXMCR03X=RXMCR03/1000;
RXPRV03X=RXPRV03/1000;
RXSLF03X=RXSLF03/1000;
OTHERX=OTHER/1000;
LABEL  AGECAT='AGE IN YEARS'
        RACETHNX='RACE/ETHNICITY'
        INSCOV03='INSURANCE STATUS'
        RXEXP03='TOTAL PMED EXP'
        RXMCD03='MEDICAID'
        RXMCR03='MEDICARE'
        RXPRV03='PRIVATE'
        RXSLF03='OUT-OF-POCKET'
        OTHER='OTHER'
        RXEXP03X='TOTAL PMED EXP'
        RXMCD03X='MEDICAID'
        RXMCR03X='MEDICARE'
        RXPRV03X='PRIVATE'
        RXSLF03X='OUT-OF-POCKET'
        OTHERX='OTHER';

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RUN;
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PROC SORT DATA= PUF79;
  BY DUPERSID;
RUN;
```

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/***** USE FILE MERGE AS A FILTER, KEEP ONLY PERSONS *****/
/***** ON THE PMED EVENT FILE. *****/

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DATA PUF79;
  MERGE PUF77A (IN= A) PUF79;
  BY DUPERSID;
  IF A;
RUN;
```

```
PROC SURVEYMEANS DATA= PUF79 MEAN STDERR SUM STD;
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VAR RXEXP03;  
STRATA VARSTR;  
CLUSTER VARPSU;  
WEIGHT PERWT03F;  
RUN;
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TITLE3 'DOLLARS IN THOUSANDS';
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```
PROC TABULATE DATA=PUF79 MISSING FORMAT=DOLLAR12.0 ;  
  CLASS AGECAT RACETHNX INSCOV03;  
  VAR   RXEXP03X RXSLF03X RXPRV03X RXMCR03X RXMCD03X OTHERX;  
  FORMAT AGECAT AGECAT. RACETHNX RACETHN. INSCOV03 INSCOV. ;  
  TABLE ALL='TOTAL' AGECAT RACETHNX INSCOV03 ,  
          RXEXP03X*SUM RXSLF03X*SUM RXPRV03X*SUM RXMCR03X*SUM  
          RXMCD03X*SUM OTHERX*SUM  
          /RTS=24 BOX='2003 TOTAL PMED EXPENDITURES';  
  WEIGHT PERWT03F;  
RUN;
```

```
TITLE3 'MEAN EXPENDITURES';
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```
PROC TABULATE DATA=PUF79 MISSING FORMAT=DOLLAR12.0 ;  
  CLASS AGECAT RACETHNX INSCOV03 ;  
  VAR   RXEXP03 RXSLF03 RXPRV03 RXMCR03 RXMCD03 OTHER;  
  FORMAT AGECAT AGECAT. RACETHNX RACETHN. INSCOV03 INSCOV. ;  
  TABLE ALL='TOTAL' AGECAT RACETHNX INSCOV03 ,  
          RXEXP03*MEAN RXSLF03*MEAN RXPRV03*MEAN RXMCR03*MEAN  
          RXMCD03*MEAN OTHER*MEAN  
          /RTS=24 BOX='2003 MEAN PMED EXPENDITURES';  
  WEIGHT PERWT03F;  
RUN;
```