

0-mort

April 19, 2018

In [3]: *****
April, 2015

*THIS IS AN EXAMPLE OF A PROGRAM THAT CAN BE USED TO READ THE
PUBLIC-USE LINKED MORTALITY ASCII FILES FROM A STORED LOCATION
INTO TEMPORARY SAS WORK DATASET AND PRODUCE BASIC FREQUENCIES.*

*NOTE: THE FORMAT DEFINITIONS GIVEN BELOW WILL RESULT IN
PROCEDURE OUTPUT SHOWING VALUES THAT HAVE BEEN
GROUPED AS THEY ARE SHOWN IN THE FILE LAYOUT
DOCUMENTATION.*

*NOTE: IN ORDER TO READ THE PUBLIC-USE LINKED MORTALITY ASCII FILE
INTO A PERMANENT SAS DATASET, PLEASE CONSULT SAS DOCUMENTATION
AND MODIFY THE PROGRAM ACCORDINGLY.*

*NOTE: AS SOME VARIABLES ARE SURVEY SPECIFIC, WE HAVE HIGHLIGHTED
SECTIONS OF CODE WITH "!!!" TO IDENTIFY WHERE THE USER
SHOULD MODIFY THE PROGRAM BASED ON THE SURVEY.*

Public-use Linked Mortality-Follow-up through December 31, 2011

*TO DOWNLOAD AND SAVE THE PUBLIC-USE LINKED MORTALITY FILES TO YOUR
HARD DRIVE, FOLLOW THESE STEPS:*

**STEP 1: DESIGNATE A FOLDER ON YOUR HARD DRIVE TO DOWNLOAD THE PUBLIC-USE LINKED
MORTALITY FILE. IN THIS EXAMPLE, THE DATA WILL
BE SAVED TO: 'C:\PUBLIC USE DATA'*

**STEP 2: TO DOWNLOAD THE PUBLIC-USE LINKED MORTALITY FILE, GO TO THE WEB SITE:
ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/datalinkage/linked_mortality*

*RIGHT CLICK ON THE DESIRED SURVEY LINK AND SELECT "Save Target as..."
SCREEN WILL APPEAR AND YOU WILL NEED TO SELECT AND INPUT A LOCATION W
THE DATA FILE ON YOUR HARD DRIVE.*

*IT IS ALSO IMPORTANT THAT THE BOX "Save Type as" reads ".dat Document"
THIS WILL ENSURE THAT THE DATA FILE IS SAVED TO YOUR HARD DRIVE IN THE
CORRECT FORMAT.*

*IN THIS EXAMPLE, WE SAVE THE DATA FILE IN THE FOLDER 'C:\PUBLIC USE'
AND SAVE THE DATA FILE AS "SURVEYNAME_mort_public_use_2011.dat".*

*****;

** DEFINE VARIABLE VALUES FOR REPORTS;*

PROC FORMAT;

VALUE ELIGFMT

1 = "Eligible"
2 = "Under age 18"
3 = "Ineligible" ;

VALUE MORTFMT

0 = "Assumed alive"
1 = "Assumed deceased"
. = "Ineligible or under age 18";

VALUE MRSRCFMT

1 = "Yes";

VALUE CAUSEFMT

0 = "No"
1 = "Yes"
. = "Ineligible, under age 18 or assumed alive";

VALUE FLAGFMT

0 = "No"
1 = "Yes"
. = "Ineligible, under age 18, assumed alive or no cause data";

VALUE \$UCODFMT

"001" = "Diseases of heart (I00-I09, I11, I13, I20-I51)"
"002" = "Malignant neoplasms (C00-C97)"
"003" = "Chronic lower respiratory diseases (J40-J47)"
"004" = "Accidents (unintentional injuries) (V01-X59, Y85-Y86)"
"005" = "Cerebrovascular diseases (I60-I69)"
"006" = "Alzheimer's disease (G30)"
"007" = "Diabetes mellitus (E10-E14)"
"008" = "Influenza and pneumonia (J09-J18)"
"009" = "Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19)"
"010" = "All other causes (residual)"

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        "    " = "Ineligible, under age 18, assumed alive or no cause data" ;

RUN ;

*CREATE A TEMPORARY SAS WORK DATASET;

*This applies to all surveys but users need to select the appropriate public-use ID for

*Select PUBLICID for NHIS or LSOAII;
*Select SEQN for NHANES;

DATA NHANES;

INFILE "NHANES_III_MORT_2011_PUBLIC.dat"  LRECL = 61 PAD MISSOVER ;

* INPUT VARIABLES;
INPUT
    /*!!!THE PUBLIC-USE ID IS SURVEY SPECIFIC
    SELECT THE PUBLIC-USE ID THAT CORRESPONDS
    TO THE SURVEY BEING READ IN!!!*/

    SEQN                      1-5          /* SEQN IS THE PUBLIC-USE ID FOR NHANES

    ELIGSTAT                  15
    MORTSTAT                   16
    CAUSEAVL                   17
    UCOD_LEADING               $18-20
    DIABETES                   21
    HYPERTEN                   22

    PERMTH_INT                 44-46        /*NHANES ONLY*/
    PERMTH_EXM                 47-49        /*NHANES ONLY*/

    MORTSRCE_NDI               50
    MORTSRCE_CMS               51
    MORTSRCE_SSA               52
    MORTSRCE_DC                53
    MORTSRCE_DCL               54
    ;

* DEFINE VARIABLE LABELS;
LABEL
    /*!!!SELECT PUBLICID OR SEQN!!!*/

    ELIGSTAT                   =           'Eligibility Status for Mortality Follow-up'
    MORTSTAT                   =           'Final Mortality Status'

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CAUSEAVL          =          'Cause of Death Data Available'
UCOD_LEADING      =          'Underlying Cause of Death Recode from UCOD_113 L
DIABETES          =          'Diabetes flag from multiple cause of death'
HYPERTEN          =          'Hypertension flag from multiple cause of dea

/*!!!THE FOLLOWING LABELS ARE SURVEY SPECIFIC
KEEP ONLY THOSE THAT CORRESPOND TO THE SURVEY BEING
READ IN!!!*/

/*NHANES ONLY*/
SEQN              =          'NHANES Respondent Sequence Number'
PERMTH_INT        =          'Person Months of Follow-up from Interview I
PERMTH_EXM        =          'Person Months of Follow-up from MEC/Exam D

MORTSRCE_NDI      =          'Mortality Source: NDI Match'
MORTSRCE_CMS      =          'Mortality Source: CMS Information'
MORTSRCE_SSA      =          'Mortality Source: SSA Information'
MORTSRCE_DC       =          'Mortality Source: Death Certificate Match'
MORTSRCE_DCL      =          'Mortality Source: Data Collection'
;

* ASSOCIATE VARIABLES WITH FORMAT VALUES;
FORMAT
    ELIGSTAT              ELIGFMT.
    MORTSTAT              MORTFMT.
    UCOD_LEADING          UCODFMT.
    MORTSRCE_NDI          MRSRCFMT.
    MORTSRCE_CMS          MRSRCFMT.
    MORTSRCE_SSA          MRSRCFMT.
    MORTSRCE_DC           MRSRCFMT.
    MORTSRCE_DCL          MRSRCFMT.

    CAUSEAVL              CAUSEFMT.
    DIABETES              FLAGFMT.
    HYPERTEN              FLAGFMT.
;
RUN;

OPTIONS PAGENO=1;

*RUN PROC CONTENTS;
PROC CONTENTS DATA=NHANES;
RUN;

*RUN FREQUENCIES;
PROC FREQ DATA=NHANES;

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TABLES
    ELIGSTAT
    MORTSTAT
    UCOD_LEADING
    CAUSEAVL
    DIABETES
    HYPERTEN
    MORTSRCE_NDI
    MORTSRCE_CMS
    MORTSRCE_SSA
    MORTSRCE_DC
    MORTSRCE_DCL

    /*!!!THE FOLLOWING VARIABLES ARE SURVEY SPECIFIC
        KEEP ONLY THOSE THAT CORRESPOND TO THE SURVEY BEING
        READ IN!!!*/

    PERMTH_INT          /*NHANES ONLY*/
    PERMTH_EXM          /*NHANES ONLY*/

    / MISSING;
TITLE1 "NHANES PUBLIC-USE LINKED MORTALITY FILE";
TITLE2 "UNWEIGHTED FREQUENCIES";

    * USER NOTE: TO SEE UNFORMATTED VALUES IN THE FREQUENCY PROCEDURE,
        UNCOMMENT THE STATEMENT "FORMAT _ALL_" BELOW ;
    * FORMAT _ALL_;
RUN;

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

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In [4]: proc export data=NHANES
        outfile='mort.csv'
        dbms=csv
        replace;
run;

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