
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...". A "Save as"
SCREEN WILL APPEAR AND YOU WILL NEED TO SELECT AND INPUT A LOCATION WHERE TO SAVE
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 DATA\
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, N25-N27)"
    "010" = "All other causes (residual)"
    "   " = "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 the

*Select PUBLICID for NHIS or LSOAII;

*Select SEQN for NHANES;

DATA NHANES;

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

* 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'

CAUSEAVL = 'Cause of Death Data Available'

UCOD_LEADING = 'Underlying Cause of Death Recode from UCOD_113 Leading Causes'

DIABETES = 'Diabetes flag from multiple cause of death'

```

HYPERTEN          =   'Hypertension flag from multiple cause of death'

/*!!!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 Date'
PERMTH_EXM        =   'Person Months of Follow-up from MEC/Exam Date'

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;
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;

```

<!DOCTYPE html>

SAS Output

NHANES PUBLIC-USE LINKED MORTALITY FILE

UNWEIGHTED FREQUENCIES

The CONTENTS Procedure

Data Set Name

WORK.NHANES

Observations

33994

Member Type

DATA

Variables

14

Engine

V9

Indexes

0

Created

03/30/2018 22:12:01

Observation Length

112

Last Modified

03/30/2018 22:12:01

Deleted Observations

0

Protection

Compressed

NO

Data Set Type

Sorted

NO

Label

Data Representation

SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64

Encoding

utf-8 Unicode (UTF-8)

Engine/Host Dependent Information

Data Set Page Size

65536

Number of Data Set Pages

59

First Data Page

1

Max Obs per Page

584

Obs in First Data Page

546

Number of Data Set Repairs

0

Filename

/tmp/SAS_workE58F000009AA_localhost.localdomain/nhanes.sas7bdat

Release Created

9.0401M5

Host Created

Linux

Inode Number

670887

Access Permission

rw-r--r--

Owner Name

sasdemo

File Size

4MB

File Size (bytes)
3932160
Alphabetic List of Variables and Attributes

Variable
Type
Len
Format
Label
4
CAUSEAVL
Num
8
CAUSEFMT.
Cause of Death Data Available
6
DIABETES
Num
8
FLAGFMT.
Diabetes flag from multiple cause of death
2
ELIGSTAT
Num
8
ELIGFMT.
Eligibility Status for Mortality Follow-up
7
HYPERTEN
Num
8

FLAGFMT.

Hypertension flag from multiple cause of death

11

MORTSRCE_CMS

Num

8

MRSRCFMT.

Mortality Source: CMS Information

13

MORTSRCE_DC

Num

8

MRSRCFMT.

Mortality Source: Death Certificate Match

14

MORTSRCE_DCL

Num

8

MRSRCFMT.

Mortality Source: Data Collection

10

MORTSRCE_NDI

Num

8

MRSRCFMT.

Mortality Source: NDI Match

12

MORTSRCE_SSA

Num

8

MRSRCFMT.

Mortality Source: SSA Information

3

MORTSTAT

Num

8

MORTFMT.

Final Mortality Status

9

PERMTH_EXM

Num

8

Person Months of Follow-up from MEC/Exam Date

8

PERMTH_INT

Num

8

Person Months of Follow-up from Interview Date

1

SEQN

Num

8

NHANES Respondent Sequence Number

5

UCOD_LEADING

Char

3

\$UCODFMT.

Underlying Cause of Death Recode from UCOD_113 Leading Causes

NHANES PUBLIC-USE LINKED MORTALITY FILE

UNWEIGHTED FREQUENCIES

The FREQ Procedure

Eligibility Status for Mortality Follow-up

ELIGSTAT

Frequency

Percent

CumulativeFrequency

CumulativePercent

Eligible

19592

57.63

19592

57.63

Under age 18

14377

42.29

33969

99.93

Ineligible

25

0.07

33994

100.00

Final Mortality Status

MORTSTAT

Frequency

Percent

CumulativeFrequency

CumulativePercent

Ineligible or under age 18			
14402			
42.37			
14402			
42.37			
Assumed alive			
12931			
38.04			
27333			
80.41			
Assumed deceased			
6661			
19.59			
33994			
100.00			
Underlying Cause of Death Recode from UCOD_113 Leading Causes			
UCOD_LEADING			
Frequency			
Percent			
CumulativeFrequency			
CumulativePercent			
Ineligible, under age 18, assumed alive or no cause data			
27403			
80.61			
27403			
80.61			
Diseases of heart (I00-I09, I11, I13, I20-I51)			
1711			
5.03			
29114			
85.64			

Malignant neoplasms (C00-C97)

1388

4.08

30502

89.73

Chronic lower respiratory diseases (J40-J47)

287

0.84

30789

90.57

Accidents (unintentional injuries) (V01-X59, Y85-Y86)

170

0.50

30959

91.07

Cerebrovascular diseases (I60-I69)

492

1.45

31451

92.52

Alzheimer's disease (G30)

141

0.41

31592

92.93

Diabetes mellitus (E10-E14)

234

0.69

31826

93.62

Influenza and pneumonia (J09-J18)

213
 0.63
 32039
 94.25
 Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)
 101
 0.30
 32140
 94.55
 All other causes (residual)
 1854
 5.45
 33994
 100.00
 Cause of Death Data Available
 CAUSEAVL
 Frequency
 Percent
 CumulativeFrequency
 CumulativePercent
 Ineligible, under age 18 or assumed alive
 27333
 80.41
 27333
 80.41
 No
 70
 0.21
 27403
 80.61
 Yes

6591
19.39
33994
100.00
Diabetes flag from multiple cause of death
DIABETES
Frequency
Percent
CumulativeFrequency
CumulativePercent
Ineligible, under age 18, assumed alive or no cause data
27403
80.61
27403
80.61
No
5810
17.09
33213
97.70
Yes
781
2.30
33994
100.00
Hypertension flag from multiple cause of death
HYPERTEN
Frequency
Percent
CumulativeFrequency
CumulativePercent

Ineligible, under age 18, assumed alive or no cause data

27403

80.61

27403

80.61

No

5793

17.04

33196

97.65

Yes

798

2.35

33994

100.00

Mortality Source: NDI Match

MORTSRCE_NDI

Frequency

Percent

CumulativeFrequency

CumulativePercent

.

27398

80.60

27398

80.60

Yes

6596

19.40

33994

100.00

Mortality Source: CMS Information

MORTSRCE_CMS

Frequency

Percent

CumulativeFrequency

CumulativePercent

.

30892

90.87

30892

90.87

Yes

3102

9.13

33994

100.00

Mortality Source: SSA Information

MORTSRCE_SSA

Frequency

Percent

CumulativeFrequency

CumulativePercent

.

28497

83.83

28497

83.83

Yes

5497

16.17

33994

100.00
 Mortality Source: Death Certificate Match
 MORTSRCE_DC
 Frequency
 Percent
 CumulativeFrequency
 CumulativePercent
 .
 31502
 92.67
 31502
 92.67
 Yes
 2492
 7.33
 33994
 100.00
 Mortality Source: Data Collection
 MORTSRCE_DCL
 Frequency
 Percent
 CumulativeFrequency
 CumulativePercent
 .
 33994
 100.00
 33994
 100.00
 Person Months of Follow-up from Interview Date
 PERMTH_INT
 Frequency

Percent
CumulativeFrequency
CumulativePercent
.
14402
42.37
14402
42.37
0
10
0.03
14412
42.40
1
20
0.06
14432
42.45
2
27
0.08
14459
42.53
3
23
0.07
14482
42.60
4
24
0.07

14506
42.67
5
24
0.07
14530
42.74
6
32
0.09
14562
42.84
7
34
0.10
14596
42.94
8
22
0.06
14618
43.00
9
22
0.06
14640
43.07
10
30
0.09
14670

43.15
11
28
0.08
14698
43.24
12
31
0.09
14729
43.33
13
30
0.09
14759
43.42
14
30
0.09
14789
43.50
15
31
0.09
14820
43.60
16
39
0.11
14859
43.71

17
36
0.11
14895
43.82
18
33
0.10
14928
43.91
19
24
0.07
14952
43.98
20
22
0.06
14974
44.05
21
31
0.09
15005
44.14
22
27
0.08
15032
44.22
23

31
0.09
15063
44.31
24
23
0.07
15086
44.38
25
20
0.06
15106
44.44
26
42
0.12
15148
44.56
27
27
0.08
15175
44.64
28
31
0.09
15206
44.73
29
27

0.08
15233
44.81
30
23
0.07
15256
44.88
31
30
0.09
15286
44.97
32
32
0.09
15318
45.06
33
34
0.10
15352
45.16
34
28
0.08
15380
45.24
35
33
0.10

15413
45.34
36
32
0.09
15445
45.43
37
37
0.11
15482
45.54
38
26
0.08
15508
45.62
39
27
0.08
15535
45.70
40
28
0.08
15563
45.78
41
29
0.09
15592

45.87
42
37
0.11
15629
45.98
43
29
0.09
15658
46.06
44
33
0.10
15691
46.16
45
30
0.09
15721
46.25
46
32
0.09
15753
46.34
47
33
0.10
15786
46.44

48
39
0.11
15825
46.55
49
27
0.08
15852
46.63
50
29
0.09
15881
46.72
51
32
0.09
15913
46.81
52
32
0.09
15945
46.91
53
26
0.08
15971
46.98
54

37
0.11
16008
47.09
55
36
0.11
16044
47.20
56
25
0.07
16069
47.27
57
40
0.12
16109
47.39
58
32
0.09
16141
47.48
59
23
0.07
16164
47.55
60
33

0.10
16197
47.65
61
37
0.11
16234
47.76
62
25
0.07
16259
47.83
63
47
0.14
16306
47.97
64
27
0.08
16333
48.05
65
28
0.08
16361
48.13
66
33
0.10

16394
48.23
67
21
0.06
16415
48.29
68
24
0.07
16439
48.36
69
29
0.09
16468
48.44
70
39
0.11
16507
48.56
71
21
0.06
16528
48.62
72
23
0.07
16551

48.69
73
18
0.05
16569
48.74
74
22
0.06
16591
48.81
75
38
0.11
16629
48.92
76
41
0.12
16670
49.04
77
34
0.10
16704
49.14
78
28
0.08
16732
49.22

79
31
0.09
16763
49.31
80
30
0.09
16793
49.40
81
42
0.12
16835
49.52
82
24
0.07
16859
49.59
83
39
0.11
16898
49.71
84
38
0.11
16936
49.82
85

32
0.09
16968
49.91
86
23
0.07
16991
49.98
87
34
0.10
17025
50.08
88
37
0.11
17062
50.19
89
29
0.09
17091
50.28
90
24
0.07
17115
50.35
91
39

0.11
17154
50.46
92
24
0.07
17178
50.53
93
32
0.09
17210
50.63
94
27
0.08
17237
50.71
95
23
0.07
17260
50.77
96
26
0.08
17286
50.85
97
28
0.08

17314
50.93
98
33
0.10
17347
51.03
99
30
0.09
17377
51.12
100
27
0.08
17404
51.20
101
34
0.10
17438
51.30
102
35
0.10
17473
51.40
103
33
0.10
17506

51.50
104
36
0.11
17542
51.60
105
33
0.10
17575
51.70
106
21
0.06
17596
51.76
107
27
0.08
17623
51.84
108
25
0.07
17648
51.92
109
36
0.11
17684
52.02

110
35
0.10
17719
52.12
111
35
0.10
17754
52.23
112
35
0.10
17789
52.33
113
28
0.08
17817
52.41
114
36
0.11
17853
52.52
115
31
0.09
17884
52.61
116

23
0.07
17907
52.68
117
28
0.08
17935
52.76
118
26
0.08
17961
52.84
119
24
0.07
17985
52.91
120
33
0.10
18018
53.00
121
32
0.09
18050
53.10
122
30

0.09
18080
53.19
123
25
0.07
18105
53.26
124
26
0.08
18131
53.34
125
29
0.09
18160
53.42
126
34
0.10
18194
53.52
127
40
0.12
18234
53.64
128
28
0.08

18262
53.72
129
33
0.10
18295
53.82
130
37
0.11
18332
53.93
131
30
0.09
18362
54.02
132
31
0.09
18393
54.11
133
33
0.10
18426
54.20
134
26
0.08
18452

54.28
135
28
0.08
18480
54.36
136
29
0.09
18509
54.45
137
35
0.10
18544
54.55
138
24
0.07
18568
54.62
139
29
0.09
18597
54.71
140
20
0.06
18617
54.77

141
30
0.09
18647
54.85
142
36
0.11
18683
54.96
143
27
0.08
18710
55.04
144
35
0.10
18745
55.14
145
26
0.08
18771
55.22
146
29
0.09
18800
55.30
147

26
0.08
18826
55.38
148
31
0.09
18857
55.47
149
36
0.11
18893
55.58
150
29
0.09
18922
55.66
151
22
0.06
18944
55.73
152
31
0.09
18975
55.82
153
21

0.06
18996
55.88
154
28
0.08
19024
55.96
155
28
0.08
19052
56.05
156
27
0.08
19079
56.12
157
33
0.10
19112
56.22
158
23
0.07
19135
56.29
159
38
0.11

19173
56.40
160
27
0.08
19200
56.48
161
22
0.06
19222
56.55
162
19
0.06
19241
56.60
163
25
0.07
19266
56.67
164
24
0.07
19290
56.75
165
25
0.07
19315

56.82
166
24
0.07
19339
56.89
167
23
0.07
19362
56.96
168
26
0.08
19388
57.03
169
30
0.09
19418
57.12
170
22
0.06
19440
57.19
171
22
0.06
19462
57.25

172
23
0.07
19485
57.32
173
25
0.07
19510
57.39
174
35
0.10
19545
57.50
175
28
0.08
19573
57.58
176
38
0.11
19611
57.69
177
29
0.09
19640
57.77
178

35
0.10
19675
57.88
179
23
0.07
19698
57.95
180
19
0.06
19717
58.00
181
33
0.10
19750
58.10
182
25
0.07
19775
58.17
183
29
0.09
19804
58.26
184
20

0.06
19824
58.32
185
21
0.06
19845
58.38
186
18
0.05
19863
58.43
187
32
0.09
19895
58.53
188
30
0.09
19925
58.61
189
21
0.06
19946
58.68
190
32
0.09

19978
58.77
191
22
0.06
20000
58.83
192
26
0.08
20026
58.91
193
19
0.06
20045
58.97
194
23
0.07
20068
59.03
195
23
0.07
20091
59.10
196
25
0.07
20116

59.18
197
20
0.06
20136
59.23
198
19
0.06
20155
59.29
199
11
0.03
20166
59.32
200
22
0.06
20188
59.39
201
30
0.09
20218
59.48
202
28
0.08
20246
59.56

203
16
0.05
20262
59.60
204
16
0.05
20278
59.65
205
23
0.07
20301
59.72
206
20
0.06
20321
59.78
207
124
0.36
20445
60.14
208
164
0.48
20609
60.63
209

326
0.96
20935
61.58
210
114
0.34
21049
61.92
211
274
0.81
21323
62.73
212
220
0.65
21543
63.37
213
273
0.80
21816
64.18
214
207
0.61
22023
64.78
215
168

0.49
22191
65.28
216
145
0.43
22336
65.71
217
327
0.96
22663
66.67
218
221
0.65
22884
67.32
219
162
0.48
23046
67.79
220
250
0.74
23296
68.53
221
133
0.39

23429
68.92
222
179
0.53
23608
69.45
223
122
0.36
23730
69.81
224
212
0.62
23942
70.43
225
212
0.62
24154
71.05
226
219
0.64
24373
71.70
227
208
0.61
24581

72.31
228
197
0.58
24778
72.89
229
177
0.52
24955
73.41
230
291
0.86
25246
74.27
231
179
0.53
25425
74.79
232
177
0.52
25602
75.31
233
215
0.63
25817
75.95

234
101
0.30
25918
76.24
235
182
0.54
26100
76.78
236
181
0.53
26281
77.31
237
347
1.02
26628
78.33
238
179
0.53
26807
78.86
239
273
0.80
27080
79.66
240

103
0.30
27183
79.96
241
181
0.53
27364
80.50
242
235
0.69
27599
81.19
243
187
0.55
27786
81.74
244
182
0.54
27968
82.27
245
196
0.58
28164
82.85
246
117

0.34
28281
83.19
247
202
0.59
28483
83.79
248
254
0.75
28737
84.54
249
437
1.29
29174
85.82
250
149
0.44
29323
86.26
251
7
0.02
29330
86.28
252
357
1.05

29687
87.33
253
7
0.02
29694
87.35
254
456
1.34
30150
88.69
255
6
0.02
30156
88.71
256
143
0.42
30299
89.13
257
188
0.55
30487
89.68
258
93
0.27
30580

89.96
259
266
0.78
30846
90.74
260
214
0.63
31060
91.37
261
279
0.82
31339
92.19
262
193
0.57
31532
92.76
263
107
0.31
31639
93.07
264
223
0.66
31862
93.73

265
188
0.55
32050
94.28
266
218
0.64
32268
94.92
267
190
0.56
32458
95.48
268
152
0.45
32610
95.93
269
89
0.26
32699
96.19
270
199
0.59
32898
96.78
271

197
0.58
33095
97.36
272
75
0.22
33170
97.58
273
249
0.73
33419
98.31
274
167
0.49
33586
98.80
275
144
0.42
33730
99.22
276
207
0.61
33937
99.83
277
57

0.17
33994
100.00
Person Months of Follow-up from MEC/Exam Date
PERMTH_EXM
Frequency
Percent
CumulativeFrequency
CumulativePercent
.
16256
47.82
16256
47.82
0
17
0.05
16273
47.87
1
16
0.05
16289
47.92
2
20
0.06
16309
47.98
3
13

0.04
16322
48.01
4
24
0.07
16346
48.08
5
26
0.08
16372
48.16
6
20
0.06
16392
48.22
7
23
0.07
16415
48.29
8
21
0.06
16436
48.35
9
18
0.05

16454
48.40
10
25
0.07
16479
48.48
11
26
0.08
16505
48.55
12
25
0.07
16530
48.63
13
22
0.06
16552
48.69
14
30
0.09
16582
48.78
15
33
0.10
16615

48.88
16
26
0.08
16641
48.95
17
28
0.08
16669
49.04
18
23
0.07
16692
49.10
19
19
0.06
16711
49.16
20
29
0.09
16740
49.24
21
18
0.05
16758
49.30

22
28
0.08
16786
49.38
23
22
0.06
16808
49.44
24
23
0.07
16831
49.51
25
29
0.09
16860
49.60
26
21
0.06
16881
49.66
27
30
0.09
16911
49.75
28

24
0.07
16935
49.82
29
24
0.07
16959
49.89
30
23
0.07
16982
49.96
31
21
0.06
17003
50.02
32
29
0.09
17032
50.10
33
29
0.09
17061
50.19
34
25

0.07
17086
50.26
35
27
0.08
17113
50.34
36
33
0.10
17146
50.44
37
22
0.06
17168
50.50
38
25
0.07
17193
50.58
39
25
0.07
17218
50.65
40
28
0.08

17246
50.73
41
24
0.07
17270
50.80
42
32
0.09
17302
50.90
43
27
0.08
17329
50.98
44
30
0.09
17359
51.06
45
22
0.06
17381
51.13
46
34
0.10
17415

51.23
47
31
0.09
17446
51.32
48
25
0.07
17471
51.39
49
19
0.06
17490
51.45
50
28
0.08
17518
51.53
51
21
0.06
17539
51.59
52
32
0.09
17571
51.69

53
26
0.08
17597
51.77
54
33
0.10
17630
51.86
55
15
0.04
17645
51.91
56
34
0.10
17679
52.01
57
22
0.06
17701
52.07
58
21
0.06
17722
52.13
59

29
0.09
17751
52.22
60
28
0.08
17779
52.30
61
21
0.06
17800
52.36
62
35
0.10
17835
52.47
63
25
0.07
17860
52.54
64
25
0.07
17885
52.61
65
27

0.08
17912
52.69
66
25
0.07
17937
52.77
67
17
0.05
17954
52.82
68
21
0.06
17975
52.88
69
29
0.09
18004
52.96
70
19
0.06
18023
53.02
71
22
0.06

18045
53.08
72
17
0.05
18062
53.13
73
20
0.06
18082
53.19
74
34
0.10
18116
53.29
75
27
0.08
18143
53.37
76
35
0.10
18178
53.47
77
27
0.08
18205

53.55
78
26
0.08
18231
53.63
79
18
0.05
18249
53.68
80
39
0.11
18288
53.80
81
25
0.07
18313
53.87
82
35
0.10
18348
53.97
83
34
0.10
18382
54.07

84
32
0.09
18414
54.17
85
19
0.06
18433
54.22
86
33
0.10
18466
54.32
87
26
0.08
18492
54.40
88
30
0.09
18522
54.49
89
28
0.08
18550
54.57
90

21
0.06
18571
54.63
91
25
0.07
18596
54.70
92
30
0.09
18626
54.79
93
25
0.07
18651
54.87
94
17
0.05
18668
54.92
95
27
0.08
18695
54.99
96
19

0.06
18714
55.05
97
39
0.11
18753
55.17
98
25
0.07
18778
55.24
99
19
0.06
18797
55.30
100
24
0.07
18821
55.37
101
32
0.09
18853
55.46
102
28
0.08

18881
55.54
103
27
0.08
18908
55.62
104
34
0.10
18942
55.72
105
18
0.05
18960
55.77
106
28
0.08
18988
55.86
107
24
0.07
19012
55.93
108
33
0.10
19045

56.02
109
26
0.08
19071
56.10
110
28
0.08
19099
56.18
111
31
0.09
19130
56.27
112
25
0.07
19155
56.35
113
28
0.08
19183
56.43
114
30
0.09
19213
56.52

115
23
0.07
19236
56.59
116
22
0.06
19258
56.65
117
26
0.08
19284
56.73
118
17
0.05
19301
56.78
119
31
0.09
19332
56.87
120
25
0.07
19357
56.94
121

25
0.07
19382
57.02
122
25
0.07
19407
57.09
123
18
0.05
19425
57.14
124
30
0.09
19455
57.23
125
31
0.09
19486
57.32
126
29
0.09
19515
57.41
127
22

0.06
19537
57.47
128
30
0.09
19567
57.56
129
26
0.08
19593
57.64
130
29
0.09
19622
57.72
131
35
0.10
19657
57.82
132
29
0.09
19686
57.91
133
12
0.04

19698
57.95
134
30
0.09
19728
58.03
135
26
0.08
19754
58.11
136
24
0.07
19778
58.18
137
25
0.07
19803
58.25
138
18
0.05
19821
58.31
139
26
0.08
19847

58.38
140
24
0.07
19871
58.45
141
28
0.08
19899
58.54
142
34
0.10
19933
58.64
143
23
0.07
19956
58.70
144
30
0.09
19986
58.79
145
17
0.05
20003
58.84

146
33
0.10
20036
58.94
147
24
0.07
20060
59.01
148
32
0.09
20092
59.10
149
26
0.08
20118
59.18
150
21
0.06
20139
59.24
151
20
0.06
20159
59.30
152

22
0.06
20181
59.37
153
25
0.07
20206
59.44
154
19
0.06
20225
59.50
155
32
0.09
20257
59.59
156
27
0.08
20284
59.67
157
23
0.07
20307
59.74
158
26

0.08
20333
59.81
159
31
0.09
20364
59.90
160
23
0.07
20387
59.97
161
19
0.06
20406
60.03
162
23
0.07
20429
60.10
163
22
0.06
20451
60.16
164
21
0.06

20472
60.22
165
24
0.07
20496
60.29
166
21
0.06
20517
60.35
167
24
0.07
20541
60.43
168
19
0.06
20560
60.48
169
20
0.06
20580
60.54
170
18
0.05
20598

60.59
171
26
0.08
20624
60.67
172
16
0.05
20640
60.72
173
21
0.06
20661
60.78
174
33
0.10
20694
60.88
175
32
0.09
20726
60.97
176
28
0.08
20754
61.05

177
25
0.07
20779
61.13
178
23
0.07
20802
61.19
179
27
0.08
20829
61.27
180
21
0.06
20850
61.33
181
24
0.07
20874
61.40
182
22
0.06
20896
61.47
183

21
0.06
20917
61.53
184
16
0.05
20933
61.58
185
22
0.06
20955
61.64
186
20
0.06
20975
61.70
187
30
0.09
21005
61.79
188
25
0.07
21030
61.86
189
20

0.06
21050
61.92
190
22
0.06
21072
61.99
191
25
0.07
21097
62.06
192
18
0.05
21115
62.11
193
19
0.06
21134
62.17
194
22
0.06
21156
62.23
195
22
0.06

21178
62.30
196
20
0.06
21198
62.36
197
15
0.04
21213
62.40
198
10
0.03
21223
62.43
199
15
0.04
21238
62.48
200
34
0.10
21272
62.58
201
19
0.06
21291

62.63
202
21
0.06
21312
62.69
203
11
0.03
21323
62.73
204
21
0.06
21344
62.79
205
20
0.06
21364
62.85
206
71
0.21
21435
63.06
207
129
0.38
21564
63.43

208
311
0.91
21875
64.35
209
245
0.72
22120
65.07
210
146
0.43
22266
65.50
211
208
0.61
22474
66.11
212
219
0.64
22693
66.76
213
194
0.57
22887
67.33
214

191
0.56
23078
67.89
215
229
0.67
23307
68.56
216
205
0.60
23512
69.17
217
169
0.50
23681
69.66
218
190
0.56
23871
70.22
219
219
0.64
24090
70.87
220
205

0.60
24295
71.47
221
107
0.31
24402
71.78
222
128
0.38
24530
72.16
223
171
0.50
24701
72.66
224
178
0.52
24879
73.19
225
246
0.72
25125
73.91
226
199
0.59

25324
74.50
227
253
0.74
25577
75.24
228
98
0.29
25675
75.53
229
242
0.71
25917
76.24
230
158
0.46
26075
76.70
231
175
0.51
26250
77.22
232
199
0.59
26449

77.80
233
146
0.43
26595
78.23
234
135
0.40
26730
78.63
235
175
0.51
26905
79.15
236
257
0.76
27162
79.90
237
220
0.65
27382
80.55
238
209
0.61
27591
81.16

239
195
0.57
27786
81.74
240
126
0.37
27912
82.11
241
192
0.56
28104
82.67
242
150
0.44
28254
83.11
243
179
0.53
28433
83.64
244
212
0.62
28645
84.26
245

100
0.29
28745
84.56
246
179
0.53
28924
85.09
247
199
0.59
29123
85.67
248
243
0.71
29366
86.39
249
330
0.97
29696
87.36
250
154
0.45
29850
87.81
251
5

0.01
29855
87.82
252
351
1.03
30206
88.86
253
10
0.03
30216
88.89
254
334
0.98
30550
89.87
255
7
0.02
30557
89.89
256
187
0.55
30744
90.44
257
80
0.24

30824
90.67
258
235
0.69
31059
91.37
259
198
0.58
31257
91.95
260
143
0.42
31400
92.37
261
342
1.01
31742
93.38
262
130
0.38
31872
93.76
263
135
0.40
32007

94.15
264
161
0.47
32168
94.63
265
195
0.57
32363
95.20
266
171
0.50
32534
95.71
267
173
0.51
32707
96.21
268
84
0.25
32791
96.46
269
193
0.57
32984
97.03

270
173
0.51
33157
97.54
271
166
0.49
33323
98.03
272
171
0.50
33494
98.53
273
136
0.40
33630
98.93
274
177
0.52
33807
99.45
275
112
0.33
33919
99.78
276

75

0.22

33994

100.00

```
proc export data=NHANES
  outfile='mort.csv'
  dbms=csv
  replace;
run;
```

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">