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 ███████
 STaTa
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 Statistics/Data Analysis
```

```
  -------------------------------------------------------------------------------
        name:  <unnamed>
         log:  E:\nhats\nhats_code\NHATS data setup\logs\/2-r12_cleaning_1_19_Apr_
  > 2019.smcl
    log type:  text
   opened on:  19 Apr 2019, 16:26:11

1 .
2 .
3 .
4 .
5 . ********************************************
6 .
7 . global miss -9,-1

8 .
9 . cd "${work}"
   E:\nhats\data\NHATS working data

10.
11. use round_1_to_${w}.dta, clear

12. ********************************************
13. tab wave, missing

  Survey wave |      Freq.      Percent        Cum.
  ------------+-----------------------------------
            1 |      8,245        17.26       17.26
            2 |      7,075        14.81       32.06
            3 |      5,799        12.14       44.20
            4 |      4,737         9.91       54.12
            5 |      8,334        17.44       71.56
            6 |      7,276        15.23       86.79
            7 |      6,312        13.21      100.00
  ------------+-----------------------------------
        Total |     47,778       100.00

14.
15. ********************************************
16. //interview type, varies by wave, use tracker status variables
17.
18. tab r3spstat if wave==3

         R3 SUBJECT PERSON INTRVW STAT |     Freq.      Percent        Cum.
  -------------------------------------+-----------------------------------
                            11 Ready |        68         1.17        1.17
                          12 Started |         8         0.14        1.31
                            20 Final |     5,407        93.24       94.55
                     24 Not Required |       316         5.45      100.00
  -------------------------------------+-----------------------------------
                               Total |     5,799       100.00

19. tab r3status if wave==3

             R3 OVERALL CASE STATUS |     Freq.      Percent        Cum.
  -------------------------------------+-----------------------------------
                         60 Complete |     4,838        83.43       83.43
             61 Complete, NH facility |       213         3.67       87.10
       62 Complete SP Deceased, Proxy Intv |    523      9.02       96.12
        63 Complete SP, FQ not complete |       46         0.79       96.91
         64 Complete FQ, SP not complete |      179         3.09      100.00
  -------------------------------------+-----------------------------------
                               Total |     5,799       100.00
```

```
20.
21. gen ivw_type=3

22. replace ivw_type=1 if r1spstat==20 & wave==1
  (7,609 real changes made)

23.
24. forvalues w=2/$w{
    2.          replace ivw_type=1 if (r`w'spstat==20 & r`w'status!=62) & wave==`w'
    3.          replace ivw_type=2 if (r`w'spstat==20 & r`w'status==62) & wave==`w'
    4. }
  (6,056 real changes made)
  (503 real changes made)
  (4,884 real changes made)
  (523 real changes made)
  (4,037 real changes made)
  (404 real changes made)
  (7,576 real changes made)
  (296 real changes made)
  (6,410 real changes made)
  (486 real changes made)
  (5,566 real changes made)
  (459 real changes made)

25.
26. la def ivw_type 1 "Alive, SP interview completed" 2"Died, proxy SP LML intervi
  > ew completed" ///
  >        3"SP interview not completed"

27. la val ivw_type ivw_type

28. tab ivw_type wave, missing
```

| | | Survey wave | | | |
ivw_type	1	2	3	4	Total
Alive, SP interview c	7,609	6,056	4,884	4,037	42,138
Died, proxy SP LML in	0	503	523	404	2,671
SP interview not comp	636	516	392	296	2,969
Total	8,245	7,075	5,799	4,737	47,778

| | | Survey wave | | |
ivw_type	5	6	7	Total
Alive, SP interview c	7,576	6,410	5,566	42,138
Died, proxy SP LML in	296	486	459	2,671
SP interview not comp	462	380	287	2,969
Total	8,334	7,276	6,312	47,778

```
29.
30. tab r1status r1spstat if wave==1, missing
```

| R1 OVERALL CASE | R1 SUBJECT PERSON INTRVW STAT | | | |
STATUS	11 Ready	20 Final	24 Not Re	Total
60 Complete	0	7,550	0	7,550
61 Complete, NH facil	1	0	467	468
63 Complete SP, FQ no	0	59	0	59
64 Complete FQ, SP no	168	0	0	168
Total	169	7,609	467	8,245

```
31. tab dresid r1spstat if wave==1, missing

  R1 D RESIDENTIAL CARE |   R1 SUBJECT PERSON INTRVW STAT
              STATUS | 11 Ready   20 Final  24 Not Re |     Total
  --------------------+--------------------------------+----------
         1 Community |        0      7,197         0 |     7,197
  2 Residential Care Re |     0        412         0 |       412
  3 Residential Care Re |   168          0         0 |       168
  4 Nursing Home Reside |     1          0       467 |       468
  --------------------+--------------------------------+----------
              Total |      169      7,609       467 |     8,245


32. //so use ivw type=1 is the same thing for r1
33.
34. gen sp_ivw_yes=1 if r1spstat==20 & wave==1
  (40,169 missing values generated)

35. replace sp_ivw_yes=0 if inlist(r1spstat,11,24) & wave==1
  (636 real changes made)

36.
37. forvalues w=2/$w{
   2.          tab r`w'status r`w'spstat if wave==`w', missing
   3.          replace sp_ivw_yes=1 if r`w'spstat==20 & wave==`w'
   4.          replace sp_ivw_yes=0 if inlist(r`w'spstat,11,12,24) & wave==`w'
   5. }

      R2 OVERALL CASE |        R2 SUBJECT PERSON INTRVW STAT
              STATUS | 11 Ready  12 Starte   20 Final  24 Not Re |     Total
  --------------------+-------------------------------------------+----------
        60 Complete |        0         0      5,992         0 |     5,992
  61 Complete, NH facil |     0         0          0       326 |       326
  62 Complete SP Deceas |     0         0        503         0 |       503
  63 Complete SP, FQ no |     0         0         64         0 |        64
  64 Complete FQ, SP no |    56         1          0       133 |       190
  --------------------+-------------------------------------------+----------
              Total |       56         1      6,559       459 |     7,075

  (6,559 real changes made)
  (516 real changes made)

      R3 OVERALL CASE |        R3 SUBJECT PERSON INTRVW STAT
              STATUS | 11 Ready  12 Starte   20 Final  24 Not Re |     Total
  --------------------+-------------------------------------------+----------
        60 Complete |        0         0      4,838         0 |     4,838
  61 Complete, NH facil |     0         0          0       213 |       213
  62 Complete SP Deceas |     0         0        523         0 |       523
  63 Complete SP, FQ no |     0         0         46         0 |        46
  64 Complete FQ, SP no |    68         8          0       103 |       179
  --------------------+-------------------------------------------+----------
              Total |       68         8      5,407       316 |     5,799

  (5,407 real changes made)
  (392 real changes made)

      R4 OVERALL CASE |        R4 SUBJECT PERSON INTRVW STAT
              STATUS | 11 Ready  12 Starte   20 Final  24 Not Re |     Total
  --------------------+-------------------------------------------+----------
        60 Complete |        0         0      4,007         0 |     4,007
  61 Complete, NH facil |     0         0          0       140 |       140
  62 Complete SP Deceas |     0         0        404         0 |       404
  63 Complete SP, FQ no |     0         0         30         0 |        30
  64 Complete FQ, SP no |    79         6          0        71 |       156
  --------------------+-------------------------------------------+----------
              Total |       79         6      4,441       211 |     4,737

  (4,441 real changes made)
  (296 real changes made)
```

```
      R5 OVERALL CASE |       R5 SUBJECT PERSON INTRVW STAT
              STATUS | 11 Ready  12 Starte  20 Final  24 Not Re |    Total
---------------------+---------------------------------------------+---------
        60 Complete  |        0         0     7,520          0 |    7,520
61 Complete, NH facil|        0         0         0        283 |      283
62 Complete SP Deceas|        0         0       296          0 |      296
63 Complete SP, FQ no|        0         0        56          0 |       56
64 Complete FQ, SP no|      123         8         0         48 |      179
---------------------+---------------------------------------------+---------
              Total  |      123         8     7,872        331 |    8,334
```

(7,872 real changes made)
(462 real changes made)

```
      R6 OVERALL CASE |       R6 SUBJECT PERSON INTRVW STAT
              STATUS | 11 Ready  12 Starte  20 Final  24 Not Re |    Total
---------------------+---------------------------------------------+---------
        60 Complete  |        0         0     6,357          0 |    6,357
61 Complete, NH facil|        0         0         0        203 |      203
62 Complete SP Deceas|        0         0       486          0 |      486
63 Complete SP, FQ no|        0         0        53          0 |       53
64 Complete FQ, SP no|       91         5         0         81 |      177
---------------------+---------------------------------------------+---------
              Total  |       91         5     6,896        284 |    7,276
```

(6,896 real changes made)
(380 real changes made)

```
      R7 OVERALL CASE |       R7 SUBJECT PERSON INTRVW STAT
              STATUS | 11 Ready  12 Starte  20 Final  24 Not Re |    Total
---------------------+---------------------------------------------+---------
        60 Complete  |        0         0     5,525          0 |    5,525
61 Complete, NH facil|        0         0         0        129 |      129
62 Complete SP Deceas|        0         0       459          0 |      459
63 Complete SP, FQ no|        0         0        41          0 |       41
64 Complete FQ, SP no|       90         8         0         60 |      158
---------------------+---------------------------------------------+---------
              Total  |       90         8     6,025        189 |    6,312
```

(6,025 real changes made)
(287 real changes made)

```
38.
39. la var sp_ivw_yes "SP interview conducted? yes=1" //note this includes lml int
 > erviews

40. tab sp_ivw_yes wave, missing

      SP |
 interview |
conducted? |                      Survey wave
    yes=1 |         1         2         3         4         5 |    Total
-----------+-------------------------------------------------------+----------
        0 |       636       516       392       296       462 |    2,969
        1 |     7,609     6,559     5,407     4,441     7,872 |   44,809
-----------+-------------------------------------------------------+----------
    Total |     8,245     7,075     5,799     4,737     8,334 |   47,778


      SP |
 interview |
conducted? |    Survey wave
    yes=1 |         6         7 |    Total
-----------+----------------------+----------
        0 |       380       287 |    2,969
        1 |     6,896     6,025 |   44,809
-----------+----------------------+----------
    Total |     7,276     6,312 |   47,778
```

```
41.
42. gen lml_ivw_yes = 0

43. forvalues w=2/$w{
  2.          replace lml_ivw_yes=1 if r`w'spstat==20 & r`w'status==62 & wave==`w
 > '
  3. }
 (503 real changes made)
 (523 real changes made)
 (404 real changes made)
 (296 real changes made)
 (486 real changes made)
 (459 real changes made)

44. la var lml_ivw_yes "LWL interview? yes=1"

45.
46. tab sp_ivw_yes lml_ivw_yes, missing

       SP |
 interview |
 conducted? | LWL interview? yes=1
     yes=1 |         0          1 |     Total
 -----------+----------------------+----------
        0 |     2,969          0 |     2,969
        1 |    42,138      2,671 |    44,809
 -----------+----------------------+----------
    Total |    45,107      2,671 |    47,778


47. tab lml_ivw_yes wave, missing

     LWL |
 interview? |                      Survey wave
     yes=1 |         1          2          3          4          5 |     Total
 -----------+-------------------------------------------------------+----------
        0 |     8,245      6,572      5,276      4,333      8,038 |    45,107
        1 |         0        503        523        404        296 |     2,671
 -----------+-------------------------------------------------------+----------
    Total |     8,245      7,075      5,799      4,737      8,334 |    47,778


     LWL |
 interview? |     Survey wave
     yes=1 |         6          7 |     Total
 -----------+----------------------+----------
        0 |     6,790      5,853 |    45,107
        1 |       486        459 |     2,671
 -----------+----------------------+----------
    Total |     7,276      6,312 |    47,778


48.
49. tab outoft r2status if wave==2, missing

     R1 MO1 OFTEN GO |       R2 OVERALL CASE STATUS
          OUTSIDE | 60 Comple  61 Comple  62 Comple  63 Comple |     Total
 --------------------+----------------------------------------------+----------
       -9 Missing |         0          0          0          0 |       190
           -8 DK |         2          0          8          0 |        10
           -7 RF |         1          0          1          0 |         2
   -1 Inapplicable |         0        326        127          0 |       453
 1 EVERY DAY (7 DAYS |     3,753          0         42         38 |     3,833
 2 MOST DAYS (5-6 DAY |       995          0         43          9 |     1,047
 3 SOME DAYS (2-4 DAY |       743          0         78          9 |       830
 4 RARELY (ONCE A WEE |       371          0         88          5 |       464
         5 NEVER |       127          0        116          3 |       246
 --------------------+----------------------------------------------+----------
          Total |     5,992        326        503         64 |     7,075
```

```
                      | R2 OVERALL
                      |   CASE
        R1 MO1 OFTEN GO |   STATUS
             OUTSIDE | 64 Comple |    Total
     --------------------+-----------+----------
            -9 Missing |      190 |      190
                -8 DK |        0 |       10
                -7 RF |        0 |        2
         -1 Inapplicable |        0 |      453
     1 EVERY DAY (7 DAYS |        0 |    3,833
     2 MOST DAYS (5-6 DAY |        0 |    1,047
     3 SOME DAYS (2-4 DAY |        0 |      830
     4 RARELY (ONCE A WEE |        0 |      464
               5 NEVER |        0 |      246
     --------------------+-----------+----------
                Total |      190 |    7,075
```

50. tab outoft r3status if wave==3, missing

```
        R1 MO1 OFTEN GO |           R3 OVERALL CASE STATUS
             OUTSIDE | 60 Comple  61 Comple  62 Comple  63 Comple |    Total
     --------------------+--------------------------------------------+----------
            -9 Missing |        0          0          0          0 |      179
                -8 DK |        5          0         14          0 |       19
                -7 RF |        1          0          0          0 |        1
         -1 Inapplicable |        0        213        117          0 |      330
     1 EVERY DAY (7 DAYS |    2,971          0         38         20 |    3,029
     2 MOST DAYS (5-6 DAY |      816          0         39         10 |      865
     3 SOME DAYS (2-4 DAY |      630          0         87          8 |      725
     4 RARELY (ONCE A WEE |      314          0        130          5 |      449
               5 NEVER |      101          0         98          3 |      202
     --------------------+--------------------------------------------+----------
                Total |    4,838        213        523         46 |    5,799
```

```
                      | R3 OVERALL
                      |   CASE
        R1 MO1 OFTEN GO |   STATUS
             OUTSIDE | 64 Comple |    Total
     --------------------+-----------+----------
            -9 Missing |      179 |      179
                -8 DK |        0 |       19
                -7 RF |        0 |        1
         -1 Inapplicable |        0 |      330
     1 EVERY DAY (7 DAYS |        0 |    3,029
     2 MOST DAYS (5-6 DAY |        0 |      865
     3 SOME DAYS (2-4 DAY |        0 |      725
     4 RARELY (ONCE A WEE |        0 |      449
               5 NEVER |        0 |      202
     --------------------+-----------+----------
                Total |      179 |    5,799
```

```
51.
52. //identify proxy SP interviews
53. gen proxy_ivw=.
   (47,778 missing values generated)

54. forvalues w=1/$w{
    2. replace proxy_ivw=1 if resptype==2
    3. replace proxy_ivw=0 if resptype==1
    4. }
   (5,598 real changes made)
   (39,211 real changes made)
   (0 real changes made)
   (0 real changes made)
   (0 real changes made)
   (0 real changes made)
   (0 real changes made)
   (0 real changes made)
   (0 real changes made)
```

```
    (0 real changes made)
    (0 real changes made)
    (0 real changes made)
    (0 real changes made)
    (0 real changes made)

 55. la var proxy_ivw "Interview via proxy"

 56. tab proxy_ivw wave, missing
```

Interview via proxy	1	2	Survey wave 3	4	5	Total
0	7,026	5,595	4,510	3,719	7,093	39,211
1	583	964	897	722	779	5,598
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

Interview via proxy	Survey wave 6	7	Total
0	6,002	5,266	39,211
1	894	759	5,598
.	380	287	2,969
Total	7,276	6,312	47,778

```
 57. tab proxy_ivw wave if ivw_type==1, missing
```

Interview via proxy	1	2	Survey wave 3	4	5	Total
0	7,026	5,595	4,510	3,719	7,093	39,211
1	583	461	374	318	483	2,927
Total	7,609	6,056	4,884	4,037	7,576	42,138

Interview via proxy	Survey wave 6	7	Total
0	6,002	5,266	39,211
1	408	300	2,927
Total	6,410	5,566	42,138

```
 58. tab proxy_ivw wave if ivw_type==2, missing
```

Interview via proxy	2	3	Survey wave 4	5	6	Total
1	503	523	404	296	486	2,671
Total	503	523	404	296	486	2,671

Interview via proxy	Survey wave 7	Total
1	459	2,671
Total	459	2,671

```
59.
60. /*missing data convention per user guide
   > For our purposes, code all as missing
   > The following codes were used at the item level for missing data of different
   > types:
   > -7 = Refusal
   > -8 = Dont Know
   > -1 = Inapplicable
   > -9 = Not Ascertained*/
61.
62.
63. ************************************************
64. ************************************************
65. //definitions of homebound
66. ************************************************
67. ************************************************
68. //how often go out of the house?
69. gen freq_go_out=.
   (47,778 missing values generated)

70. forvalues w=1/$w{
    2.          tab outoft if wave==`w', missing
    3.          replace freq_go_out=outoft if wave==`w'
    4. }
```

R1 MO1 OFTEN GO OUTSIDE	Freq.	Percent	Cum.
-9 Missing	168	2.04	2.04
-8 DK	5	0.06	2.10
-7 RF	1	0.01	2.11
-1 Inapplicable	468	5.68	7.79
1 EVERY DAY (7 DAYS A WEEK)	4,854	58.87	66.66
2 MOST DAYS (5-6 DAYS A WEEK)	1,226	14.87	81.53
3 SOME DAYS (2-4 DAYS A WEEK)	962	11.67	93.20
4 RARELY (ONCE A WEEK OR LESS)	428	5.19	98.39
5 NEVER	133	1.61	100.00
Total	8,245	100.00	

```
   (8,245 real changes made)
```

R1 MO1 OFTEN GO OUTSIDE	Freq.	Percent	Cum.
-9 Missing	190	2.69	2.69
-8 DK	10	0.14	2.83
-7 RF	2	0.03	2.86
-1 Inapplicable	453	6.40	9.26
1 EVERY DAY (7 DAYS A WEEK)	3,833	54.18	63.43
2 MOST DAYS (5-6 DAYS A WEEK)	1,047	14.80	78.23
3 SOME DAYS (2-4 DAYS A WEEK)	830	11.73	89.96
4 RARELY (ONCE A WEEK OR LESS)	464	6.56	96.52
5 NEVER	246	3.48	100.00
Total	7,075	100.00	

```
   (7,075 real changes made)
```

R1 MO1 OFTEN GO OUTSIDE	Freq.	Percent	Cum.
-9 Missing	179	3.09	3.09
-8 DK	19	0.33	3.41
-7 RF	1	0.02	3.43
-1 Inapplicable	330	5.69	9.12
1 EVERY DAY (7 DAYS A WEEK)	3,029	52.23	61.36
2 MOST DAYS (5-6 DAYS A WEEK)	865	14.92	76.27
3 SOME DAYS (2-4 DAYS A WEEK)	725	12.50	88.77
4 RARELY (ONCE A WEEK OR LESS)	449	7.74	96.52
5 NEVER	202	3.48	100.00
Total	5,799	100.00	

```
   (5,799 real changes made)
```

```
        R1 MO1 OFTEN GO OUTSIDE |      Freq.      Percent         Cum.
-------------------------------+-----------------------------------------
               -9 Missing |        156         3.29         3.29
                    -8 DK |          6         0.13         3.42
          -1 Inapplicable |        159         3.36         6.78
 1 EVERY DAY (7 DAYS A WEEK) |      2,423        51.15        57.93
 2 MOST DAYS (5-6 DAYS A WEEK) |      773        16.32        74.25
 3 SOME DAYS (2-4 DAYS A WEEK) |      621        13.11        87.35
 4 RARELY (ONCE A WEEK OR LESS) |    369         7.79        95.14
                  5 NEVER |        230         4.86       100.00
-------------------------------+-----------------------------------------
                    Total |      4,737       100.00
(4,737 real changes made)

        R1 MO1 OFTEN GO OUTSIDE |      Freq.      Percent         Cum.
-------------------------------+-----------------------------------------
               -9 Missing |        179         2.15         2.15
                    -8 DK |          8         0.10         2.24
          -1 Inapplicable |        292         3.50         5.75
 1 EVERY DAY (7 DAYS A WEEK) |      4,626        55.51        61.26
 2 MOST DAYS (5-6 DAYS A WEEK) |    1,420        17.04        78.29
 3 SOME DAYS (2-4 DAYS A WEEK) |    1,048        12.57        90.87
 4 RARELY (ONCE A WEEK OR LESS) |    521         6.25        97.12
                  5 NEVER |        240         2.88       100.00
-------------------------------+-----------------------------------------
                    Total |      8,334       100.00
(8,334 real changes made)

        R1 MO1 OFTEN GO OUTSIDE |      Freq.      Percent         Cum.
-------------------------------+-----------------------------------------
               -9 Missing |        177         2.43         2.43
                    -8 DK |          9         0.12         2.56
                    -7 RF |          1         0.01         2.57
          -1 Inapplicable |        229         3.15         5.72
 1 EVERY DAY (7 DAYS A WEEK) |      3,803        52.27        57.99
 2 MOST DAYS (5-6 DAYS A WEEK) |    1,250        17.18        75.16
 3 SOME DAYS (2-4 DAYS A WEEK) |    1,010        13.88        89.05
 4 RARELY (ONCE A WEEK OR LESS) |    506         6.95        96.00
                  5 NEVER |        291         4.00       100.00
-------------------------------+-----------------------------------------
                    Total |      7,276       100.00
(7,276 real changes made)

        R1 MO1 OFTEN GO OUTSIDE |      Freq.      Percent         Cum.
-------------------------------+-----------------------------------------
               -9 Missing |        158         2.50         2.50
                    -8 DK |          7         0.11         2.61
                    -7 RF |          2         0.03         2.65
          -1 Inapplicable |        150         2.38         5.02
 1 EVERY DAY (7 DAYS A WEEK) |      3,229        51.16        56.18
 2 MOST DAYS (5-6 DAYS A WEEK) |    1,128        17.87        74.05
 3 SOME DAYS (2-4 DAYS A WEEK) |    911          14.43        88.48
 4 RARELY (ONCE A WEEK OR LESS) |    445         7.05        95.53
                  5 NEVER |        282         4.47       100.00
-------------------------------+-----------------------------------------
                    Total |      6,312       100.00
(6,312 real changes made)

71.
72. replace freq_go_out=. if inlist(freq_go_out,$miss)
   (3,288 real changes made, 3,288 to missing)
```

```
73. la def freq_go_out 1 "Every day" 2 "Most days (5-6/week)" ///
  >         3 "Some days (2-4/week)" 4 "Rarely" 5 "Never"

74. la val  freq_go_out freq_go_out

75. la var freq_go_out "How often go outside"

76.
77. tab freq_go_out sp_ivw_yes, missing

                      |   SP interview
                      |  conducted? yes=1
  How often go outside |       0         1 |     Total
  --------------------+--------------------+----------
                  -8 |       0        64 |        64
                  -7 |       0         7 |         7
            Every day |       0    25,797 |    25,797
  Most days (5-6/week) |       0     7,709 |     7,709
  Some days (2-4/week) |       0     6,107 |     6,107
              Rarely |       0     3,182 |     3,182
                Never |       0     1,624 |     1,624
                   . |   2,969       319 |     3,288
  --------------------+--------------------+----------
                Total |   2,969    44,809 |    47,778

78. tab freq_go_out sp_ivw_yes if wave==1, missing

                      |   SP interview
                      |  conducted? yes=1
  How often go outside |       0         1 |     Total
  --------------------+--------------------+----------
                  -8 |       0         5 |         5
                  -7 |       0         1 |         1
            Every day |       0     4,854 |     4,854
  Most days (5-6/week) |       0     1,226 |     1,226
  Some days (2-4/week) |       0       962 |       962
              Rarely |       0       428 |       428
                Never |       0       133 |       133
                   . |     636         0 |       636
  --------------------+--------------------+----------
                Total |     636     7,609 |     8,245

79. tab freq_go_out sp_ivw_yes if wave==2 & lml_ivw_yes==0, missing

                      |   SP interview
                      |  conducted? yes=1
  How often go outside |       0         1 |     Total
  --------------------+--------------------+----------
                  -8 |       0         2 |         2
                  -7 |       0         1 |         1
            Every day |       0     3,791 |     3,791
  Most days (5-6/week) |       0     1,004 |     1,004
  Some days (2-4/week) |       0       752 |       752
              Rarely |       0       376 |       376
                Never |       0       130 |       130
                   . |     516         0 |       516
  --------------------+--------------------+----------
                Total |     516     6,056 |     6,572
```

80. tab freq_go_out sp_ivw_yes if wave==2 & lml_ivw_yes==1, missing

```
                      |      SP
                      | interview
                      | conducted?
                      |    yes=1
How often go outside  |        1 |     Total
----------------------+----------+----------
                  -8  |        8 |         8
                  -7  |        1 |         1
           Every day  |       42 |        42
 Most days (5-6/week) |       43 |        43
 Some days (2-4/week) |       78 |        78
              Rarely  |       88 |        88
               Never  |      116 |       116
                  .   |      127 |       127
----------------------+----------+----------
               Total  |      503 |       503
```

81. tab freq_go_out sp_ivw_yes if wave==3 & lml_ivw_yes==0, missing

```
                      |      SP interview
                      |    conducted? yes=1
How often go outside  |        0         1 |     Total
----------------------+--------------------+----------
                  -8  |        0         5 |         5
                  -7  |        0         1 |         1
           Every day  |        0     2,991 |     2,991
 Most days (5-6/week) |        0       826 |       826
 Some days (2-4/week) |        0       638 |       638
              Rarely  |        0       319 |       319
               Never  |        0       104 |       104
                  .   |      392         0 |       392
----------------------+--------------------+----------
               Total  |      392     4,884 |     5,276
```

82.
83.
84. //MO questions not asked in lml interviews where persons were not alert(PD6)
85. //or not mobile(PD7) in last month so lml has more missingless
86. tab freq_go_out outoft if wave==2 & lml_ivw_yes==1, missing

```
                      |           R1 MO1 OFTEN GO OUTSIDE
How often go outside  |    -8 DK     -7 RF  -1 Inappl   1 EVERY |     Total
----------------------+----------------------------------------+----------
                  -8  |        8         0         0         0 |         8
                  -7  |        0         1         0         0 |         1
           Every day  |        0         0         0        42 |        42
 Most days (5-6/week) |        0         0         0         0 |        43
 Some days (2-4/week) |        0         0         0         0 |        78
              Rarely  |        0         0         0         0 |        88
               Never  |        0         0         0         0 |       116
                  .   |        0         0       127         0 |       127
----------------------+----------------------------------------+----------
               Total  |        8         1       127        42 |       503
```

```
                      |           R1 MO1 OFTEN GO OUTSIDE
How often go outside  | 2 MOST D  3 SOME D  4 RARELY   5 NEVER |     Total
----------------------+----------------------------------------+----------
                  -8  |        0         0         0         0 |         8
                  -7  |        0         0         0         0 |         1
           Every day  |        0         0         0         0 |        42
 Most days (5-6/week) |       43         0         0         0 |        43
 Some days (2-4/week) |        0        78         0         0 |        78
              Rarely  |        0         0        88         0 |        88
               Never  |        0         0         0       116 |       116
                  .   |        0         0         0         0 |       127
----------------------+----------------------------------------+----------
               Total  |       43        78        88       116 |       503
```

```
87.
88. ********************************************
89. //Did anyone ever help you - asked if report going outside
90. //left missing if report never go outside
91. gen help_go_out=.
  (47,778 missing values generated)

92. forvalues w=1/$w{
  2.          tab outhlp if wave==`w', missing
  3.          replace help_go_out=1 if outhlp==1 & wave==`w'
  4.          replace help_go_out=0 if outhlp==2 & wave==`w'
  5.          replace help_go_out=-7 if outhlp==-7 & wave==`w'
  6.          replace help_go_out=-8 if outhlp==-8 & wave==`w'
  7. }
```

R1 MO6 HELP GO OUTSIDE	Freq.	Percent	Cum.
-9 Missing	168	2.04	2.04
-8 DK	1	0.01	2.05
-7 RF	1	0.01	2.06
-1 Inapplicable	601	7.29	9.35
1 YES	1,045	12.67	22.03
2 NO	6,429	77.97	100.00
Total	8,245	100.00	

```
(1,045 real changes made)
(6,429 real changes made)
(1 real change made)
(1 real change made)
```

R1 MO6 HELP GO OUTSIDE	Freq.	Percent	Cum.
-9 Missing	190	2.69	2.69
-8 DK	10	0.14	2.83
-7 RF	2	0.03	2.86
-1 Inapplicable	699	9.88	12.73
1 YES	1,041	14.71	27.45
2 NO	5,133	72.55	100.00
Total	7,075	100.00	

```
(1,041 real changes made)
(5,133 real changes made)
(2 real changes made)
(10 real changes made)
```

R1 MO6 HELP GO OUTSIDE	Freq.	Percent	Cum.
-9 Missing	179	3.09	3.09
-8 DK	17	0.29	3.38
-7 RF	1	0.02	3.40
-1 Inapplicable	532	9.17	12.57
1 YES	948	16.35	28.92
2 NO	4,122	71.08	100.00
Total	5,799	100.00	

```
(948 real changes made)
(4,122 real changes made)
(1 real change made)
(17 real changes made)
```

```
 R1 MO6 HELP GO |
        OUTSIDE |       Freq.       Percent        Cum.
----------------+----------------------------------------
      -9 Missing |        156          3.29         3.29
           -8 DK |         10          0.21         3.50
 -1 Inapplicable |        389          8.21        11.72
           1 YES |        798         16.85        28.56
            2 NO |      3,384         71.44       100.00
----------------+----------------------------------------
           Total |      4,737        100.00
(798 real changes made)
(3,384 real changes made)
(0 real changes made)
(10 real changes made)


 R1 MO6 HELP GO |
        OUTSIDE |       Freq.       Percent        Cum.
----------------+----------------------------------------
      -9 Missing |        179          2.15         2.15
           -8 DK |         11          0.13         2.28
           -7 RF |          1          0.01         2.29
 -1 Inapplicable |        532          6.38         8.68
           1 YES |      1,155         13.86        22.53
            2 NO |      6,456         77.47       100.00
----------------+----------------------------------------
           Total |      8,334        100.00
(1,155 real changes made)
(6,456 real changes made)
(1 real change made)
(11 real changes made)


 R1 MO6 HELP GO |
        OUTSIDE |       Freq.       Percent        Cum.
----------------+----------------------------------------
      -9 Missing |        177          2.43         2.43
           -8 DK |         14          0.19         2.63
           -7 RF |          1          0.01         2.64
 -1 Inapplicable |        520          7.15         9.79
           1 YES |      1,132         15.56        25.34
            2 NO |      5,432         74.66       100.00
----------------+----------------------------------------
           Total |      7,276        100.00
(1,132 real changes made)
(5,432 real changes made)
(1 real change made)
(14 real changes made)


 R1 MO6 HELP GO |
        OUTSIDE |       Freq.       Percent        Cum.
----------------+----------------------------------------
      -9 Missing |        158          2.50         2.50
           -8 DK |         11          0.17         2.68
           -7 RF |          1          0.02         2.69
 -1 Inapplicable |        432          6.84         9.54
           1 YES |        977         15.48        25.02
            2 NO |      4,733         74.98       100.00
----------------+----------------------------------------
           Total |      6,312        100.00
(977 real changes made)
(4,733 real changes made)
(1 real change made)
(11 real changes made)
```

```
93. la var help_go_out "Anyone ever help you leave home?"

94. tab help_go_out wave if sp_ivw_yes==1, missing
```

Anyone ever help you leave home?	Survey wave 1	2	3	4	5	Total
-8	1	10	17	10	11	74
-7	1	2	1	0	1	7
0	6,429	5,133	4,122	3,384	6,456	35,689
1	1,045	1,041	948	798	1,155	7,096
.	133	373	319	249	249	1,943
Total	7,609	6,559	5,407	4,441	7,872	44,809

Anyone ever help you leave home?	Survey wave 6	7	Total
-8	14	11	74
-7	1	1	7
0	5,432	4,733	35,689
1	1,132	977	7,096
.	317	303	1,943
Total	6,896	6,025	44,809

```
95.
96. *********************************************
97. //go out of the house on own?
98. //only asked if report having help when go outside (help_go_out==1)
99. gen out_on_own=.
  (47,778 missing values generated)

100 forvalues w=1/$w{
  2.          tab outslf help_go_out if wave==`w', missing
  3.          replace out_on_own=outslf if wave==`w'
  4. }
```

R1 MO7 LEFT BY YOURSELF	Anyone ever help you leave home? -8	-7	0	1	Total
-9 Missing	0	0	0	0	168
-1 Inapplicable	1	1	6,429	0	7,032
1 MOST TIMES	0	0	0	184	184
2 SOMETIMES	0	0	0	167	167
3 RARELY	0	0	0	118	118
4 NEVER	0	0	0	576	576
Total	1	1	6,429	1,045	8,245

R1 MO7 LEFT BY YOURSELF	Anyone ever help you leave home? .	Total
-9 Missing	168	168
-1 Inapplicable	601	7,032
1 MOST TIMES	0	184
2 SOMETIMES	0	167
3 RARELY	0	118
4 NEVER	0	576
Total	769	8,245

(8,245 real changes made)

```
R1 MO7 LEFT BY |      Anyone ever help you leave home?
      YOURSELF |     -8         -7          0          1 |     Total
---------------+----------------------------------------------+----------
   -9 Missing |        0          0          0          0 |       190
-1 Inapplicable |      10          2      5,133        180 |     6,024
  1 MOST TIMES |        0          0          0        160 |       160
  2 SOMETIMES |         0          0          0        118 |       118
     3 RARELY |         0          0          0        106 |       106
      4 NEVER |         0          0          0        477 |       477
---------------+----------------------------------------------+----------
       Total |        10          2      5,133      1,041 |     7,075
```

```
                |  Anyone
                | ever help
                | you leave
R1 MO7 LEFT BY |   home?
      YOURSELF |        . |     Total
---------------+----------+----------
   -9 Missing |      190 |       190
-1 Inapplicable |    699 |     6,024
  1 MOST TIMES |        0 |       160
  2 SOMETIMES |         0 |       118
     3 RARELY |         0 |       106
      4 NEVER |         0 |       477
---------------+----------+----------
       Total |      889 |     7,075
```

(7,075 real changes made)

```
R1 MO7 LEFT BY |      Anyone ever help you leave home?
      YOURSELF |     -8         -7          0          1 |     Total
---------------+----------------------------------------------+----------
   -9 Missing |        0          0          0          0 |       179
-1 Inapplicable |      17          1      4,122        211 |     4,883
  1 MOST TIMES |        0          0          0        112 |       112
  2 SOMETIMES |         0          0          0        100 |       100
     3 RARELY |         0          0          0         82 |        82
      4 NEVER |         0          0          0        443 |       443
---------------+----------------------------------------------+----------
       Total |        17          1      4,122        948 |     5,799
```

```
                |  Anyone
                | ever help
                | you leave
R1 MO7 LEFT BY |   home?
      YOURSELF |        . |     Total
---------------+----------+----------
   -9 Missing |      179 |       179
-1 Inapplicable |    532 |     4,883
  1 MOST TIMES |        0 |       112
  2 SOMETIMES |         0 |       100
     3 RARELY |         0 |        82
      4 NEVER |         0 |       443
---------------+----------+----------
       Total |      711 |     5,799
```

(5,799 real changes made)

```
R1 MO7 LEFT BY |     Anyone ever help you leave home?
      YOURSELF |     -8          0          1          . |     Total
---------------+-----------------------------------------+----------
    -9 Missing |      0          0          0        156 |       156
-1 Inapplicable|     10      3,384        176        389 |     3,959
  1 MOST TIMES |      0          0         98          0 |        98
  2 SOMETIMES  |      0          0         83          0 |        83
    3 RARELY   |      0          0         71          0 |        71
    4 NEVER    |      0          0        370          0 |       370
---------------+-----------------------------------------+----------
       Total   |     10      3,384        798        545 |     4,737
```

(4,737 real changes made)

```
R1 MO7 LEFT BY |     Anyone ever help you leave home?
      YOURSELF |     -8         -7          0          1 |     Total
---------------+-----------------------------------------+----------
    -9 Missing |      0          0          0          0 |       179
        -8 DK  |      0          0          0          1 |         1
-1 Inapplicable|     11          1      6,456        127 |     7,127
  1 MOST TIMES |      0          0          0        154 |       154
  2 SOMETIMES  |      0          0          0        174 |       174
    3 RARELY   |      0          0          0        132 |       132
    4 NEVER    |      0          0          0        567 |       567
---------------+-----------------------------------------+----------
       Total   |     11          1      6,456      1,155 |     8,334
```

```
               |  Anyone
               | ever help
               | you leave
R1 MO7 LEFT BY |  home?
      YOURSELF |     .  |     Total
---------------+--------+----------
    -9 Missing |   179  |       179
        -8 DK  |     0  |         1
-1 Inapplicable|   532  |     7,127
  1 MOST TIMES |     0  |       154
  2 SOMETIMES  |     0  |       174
    3 RARELY   |     0  |       132
    4 NEVER    |     0  |       567
---------------+--------+----------
       Total   |   711  |     8,334
```

(8,334 real changes made)

```
R1 MO7 LEFT BY |     Anyone ever help you leave home?
      YOURSELF |     -8         -7          0          1 |     Total
---------------+-----------------------------------------+----------
    -9 Missing |      0          0          0          0 |       177
        -8 DK  |      0          0          0          2 |         2
-1 Inapplicable|     14          1      5,432        207 |     6,174
  1 MOST TIMES |      0          0          0        160 |       160
  2 SOMETIMES  |      0          0          0        147 |       147
    3 RARELY   |      0          0          0        115 |       115
    4 NEVER    |      0          0          0        501 |       501
---------------+-----------------------------------------+----------
       Total   |     14          1      5,432      1,132 |     7,276
```

```
               |  Anyone
               | ever help
               | you leave
R1 MO7 LEFT BY |  home?
      YOURSELF |     .  |     Total
---------------+--------+----------
    -9 Missing |   177  |       177
        -8 DK  |     0  |         2
-1 Inapplicable|   520  |     6,174
  1 MOST TIMES |     0  |       160
  2 SOMETIMES  |     0  |       147
    3 RARELY   |     0  |       115
```

```
        4 NEVER |        0 |       501
---------------+----------+----------
        Total |      697 |     7,276
```

  (7,276 real changes made)

```
R1 MO7 LEFT BY |     Anyone ever help you leave home?
      YOURSELF |     -8         -7          0          1 |     Total
---------------+-------------------------------------------+----------
   -9 Missing |      0          0          0          0 |       158
-1 Inapplicable |     11          1      4,733        187 |     5,364
  1 MOST TIMES |      0          0          0        140 |       140
  2 SOMETIMES |       0          0          0        123 |       123
     3 RARELY |       0          0          0        103 |       103
      4 NEVER |       0          0          0        424 |       424
---------------+-------------------------------------------+----------
        Total |     11          1      4,733        977 |     6,312
```

```
               |  Anyone
               | ever help
               | you leave
R1 MO7 LEFT BY |   home?
      YOURSELF |     .  |     Total
---------------+----------+----------
   -9 Missing |     158 |       158
-1 Inapplicable |    432 |     5,364
  1 MOST TIMES |      0 |       140
  2 SOMETIMES |      0 |       123
     3 RARELY |      0 |       103
      4 NEVER |      0 |       424
---------------+----------+----------
        Total |     590 |     6,312
```

  (6,312 real changes made)

101 replace out_on_own=. if inlist(out_on_own,$miss)
  (41,770 real changes made, 41,770 to missing)

102 replace out_on_own=5 if help_go_out==0
  (35,689 real changes made)

103 replace out_on_own=6 if freq_go_out==5
  (1,624 real changes made)

104 la def out_on_own 1"Most times" 2"Sometimes" 3"Rarely" 4"Never" 5"NA, reported
  > no help" 7//‾
  > 6"NA, never left home"

105 la val out_on_own out_on_own

106 la var out_on_own "When left house, left by yourself?"

107 tab out_on_own wave if sp_ivw_yes==1, missing

```
   When left house, |            Survey wave
   left by yourself? |     1        2        3        4 |     Total
--------------------+-------------------------------------------+----------
                 -8 |     0        0        0        0 |         3
         Most times |   184      160      112       98 |     1,008
          Sometimes |   167      118      100       83 |       912
             Rarely |   118      106       82       71 |       727
              Never |   576      477      443      370 |     3,358
 NA, reported no help | 6,429    5,133    4,122    3,384 |    35,689
  NA, never left home |  133      246      202      230 |     1,624
                  . |     2      319      346      205 |     1,488
--------------------+-------------------------------------------+----------
              Total | 7,609    6,559    5,407    4,441 |    44,809
```

```
    When left house, |          Survey wave
    left by yourself? |      5           6           7 |      Total
--------------------+-------------------------------+----------
               -8 |        1           2           0 |        3
      Most times |      154         160         140 |    1,008
       Sometimes |      174         147         123 |      912
          Rarely |      132         115         103 |      727
           Never |      567         501         424 |    3,358
NA, reported no help |  6,456       5,432       4,733 |   35,689
 NA, never left home |    240         291         282 |    1,624
               . |      148         248         220 |    1,488
--------------------+-------------------------------+----------
           Total |    7,872       6,896       6,025 |   44,809
```

```
108
109 *********************************************
110 //needs help when go outside? gets help and also goes outside on own != never
111 gen needshelp=0

112 replace needshelp=1 if help_go_out==1 & out_on_own~=4
  (3,738 real changes made)

113 la var needshelp "Leaves home but with help"

114 tab needshelp wave, missing
```

```
    Leaves |
  home but |                   Survey wave
  with help |      1           2           3           4           5 |      Total
-----------+-------------------------------------------------------+----------
         0 |    7,776       6,511       5,294       4,309       7,746 |   44,040
         1 |      469         564         505         428         588 |    3,738
-----------+-------------------------------------------------------+----------
     Total |    8,245       7,075       5,799       4,737       8,334 |   47,778
```

```
    Leaves |
  home but |    Survey wave
  with help |      6           7 |      Total
-----------+----------------------+----------
         0 |    6,645       5,759 |   44,040
         1 |      631         553 |    3,738
-----------+----------------------+----------
     Total |    7,276       6,312 |   47,778
```

```
115
116 *********************************************
117 //has difficulty? when you used your walker,cane,etc? how much difficulty
118 //did you have leaving the house by yourself? 1=none, 2=a little, 3=some, 4=a
 > lot
119 //inapplicable if don't report using any device to help, so set to 0 here
120 gen hasdifficulty=0

121 forvalues w=1/$w{
  2.          tab outdif if wave==`w', missing
  3.          replace hasdifficulty=1 if inlist(outdif,2,3,4,5) & wave==`w'
  4.          replace hasdifficulty=0 if outdif==1 & wave==`w'
  5.          replace hasdifficulty=-7 if outdif==-7 & wave==`w'
  6.          replace hasdifficulty=-8 if outdif==-8 & wave==`w'
  7.
```

122 }

```
      R1 MO8 HOW |
       DIFFICULT |      Freq.      Percent         Cum.
---------------+----------------------------------------
    -9 Missing |        168        2.04         2.04
        -8 DK |          2        0.02         2.06
        -7 RF |          2        0.02         2.09
-1 Inapplicable |      1,177       14.28        16.36
        1 NONE |      5,929       71.91        88.27
     2 A LITTLE |        540        6.55        94.82
        3 SOME |        295        3.58        98.40
       4 A LOT |        132        1.60       100.00
---------------+----------------------------------------
         Total |      8,245      100.00
(967 real changes made)
(0 real changes made)
(2 real changes made)
(2 real changes made)
```

```
      R1 MO8 HOW |
       DIFFICULT |      Freq.      Percent         Cum.
---------------+----------------------------------------
    -9 Missing |        190        2.69         2.69
        -8 DK |          7        0.10         2.78
        -7 RF |          2        0.03         2.81
-1 Inapplicable |      1,436       20.30        23.11
        1 NONE |      4,679       66.13        89.24
     2 A LITTLE |        468        6.61        95.86
        3 SOME |        209        2.95        98.81
       4 A LOT |         84        1.19       100.00
---------------+----------------------------------------
         Total |      7,075      100.00
(761 real changes made)
(0 real changes made)
(2 real changes made)
(7 real changes made)
```

```
      R1 MO8 HOW |
       DIFFICULT |      Freq.      Percent         Cum.
---------------+----------------------------------------
    -9 Missing |        179        3.09         3.09
        -8 DK |          3        0.05         3.14
        -7 RF |          1        0.02         3.16
-1 Inapplicable |      1,283       22.12        25.28
        1 NONE |      3,767       64.96        90.24
     2 A LITTLE |        335        5.78        96.02
        3 SOME |        170        2.93        98.95
       4 A LOT |         61        1.05       100.00
---------------+----------------------------------------
         Total |      5,799      100.00
(566 real changes made)
(0 real changes made)
(1 real change made)
(3 real changes made)
```

```
      R1 MO8 HOW |
       DIFFICULT |      Freq.      Percent         Cum.
---------------+----------------------------------------
    -9 Missing |        156        3.29         3.29
        -8 DK |          3        0.06         3.36
-1 Inapplicable |      1,001       21.13        24.49
        1 NONE |      3,062       64.64        89.13
     2 A LITTLE |        300        6.33        95.46
        3 SOME |        160        3.38        98.84
       4 A LOT |         55        1.16       100.00
---------------+----------------------------------------
         Total |      4,737      100.00
(515 real changes made)
(0 real changes made)
(0 real changes made)
(3 real changes made)
```

```
     R1 MO8 HOW |
      DIFFICULT |        Freq.      Percent         Cum.
----------------+-----------------------------------------
     -9 Missing |          179         2.15         2.15
         -8 DK |            4         0.05         2.20
         -7 RF |            1         0.01         2.21
 -1 Inapplicable |        1,281        15.37        17.58
        1 NONE |        5,897        70.76        88.34
     2 A LITTLE |          567         6.80        95.14
        3 SOME |          307         3.68        98.82
       4 A LOT |           98         1.18       100.00
----------------+-----------------------------------------
         Total |        8,334       100.00
(972 real changes made)
(0 real changes made)
(1 real change made)
(4 real changes made)


     R1 MO8 HOW |
      DIFFICULT |        Freq.      Percent         Cum.
----------------+-----------------------------------------
     -9 Missing |          177         2.43         2.43
         -8 DK |            8         0.11         2.54
         -7 RF |            1         0.01         2.56
 -1 Inapplicable |        1,331        18.29        20.85
        1 NONE |        4,900        67.34        88.19
     2 A LITTLE |          508         6.98        95.18
        3 SOME |          281         3.86        99.04
       4 A LOT |           70         0.96       100.00
----------------+-----------------------------------------
         Total |        7,276       100.00
(859 real changes made)
(0 real changes made)
(1 real change made)
(8 real changes made)


     R1 MO8 HOW |
      DIFFICULT |        Freq.      Percent         Cum.
----------------+-----------------------------------------
     -9 Missing |          158         2.50         2.50
         -8 DK |            9         0.14         2.65
 -1 Inapplicable |        1,134        17.97        20.61
        1 NONE |        4,241        67.19        87.80
     2 A LITTLE |          440         6.97        94.77
        3 SOME |          271         4.29        99.07
       4 A LOT |           59         0.93       100.00
----------------+-----------------------------------------
         Total |        6,312       100.00
(770 real changes made)
(0 real changes made)
(0 real changes made)
(9 real changes made)
```

123 la var hasdifficulty "Leaves home on own but has difficulty"

124 tab hasdifficulty wave if sp_ivw_yes==1, missing

Leaves home on own but has difficulty	Survey wave 1	2	3	4	5	Total
-8	2	7	3	3	4	36
-7	2	2	1	0	1	7
0	6,638	5,789	4,837	3,923	6,895	39,356
1	967	761	566	515	972	5,410
Total	7,609	6,559	5,407	4,441	7,872	44,809

```
    Leaves |
   home on |
  own but |
       has |       Survey wave
difficulty |         6           7 |      Total
-----------+----------------------+----------
        -8 |         8           9 |         36
        -7 |         1           0 |          7
         0 |     6,028       5,246 |     39,356
         1 |       859         770 |      5,410
-----------+----------------------+----------
     Total |     6,896       6,025 |     44,809
```

125 ***
126 //needs help or has difficulty going outside?
127 gen helpdiff=.
  (47,778 missing values generated)

128 replace helpdiff=0 if needshelp==0 & hasdifficulty==0
  (40,337 real changes made)

129 replace helpdiff=1 if needshelp==1 | hasdifficulty==1
  (7,407 real changes made)

130 la var helpdiff "Either needs help or has difficulty going outside"

131 tab helpdiff wave if sp_ivw_yes==1, missing

```
    Either |
needs help |
    or has |
difficulty |
     going |                              Survey wave
   outside |         1           2           3           4           5 |      Total
-----------+-------------------------------------------------------------+----------
         0 |     6,477       5,469       4,514       3,652       6,619 |     37,368
         1 |     1,129       1,083         890         786       1,249 |      7,407
         . |         3           7           3           3           4 |         34
-----------+-------------------------------------------------------------+----------
     Total |     7,609       6,559       5,407       4,441       7,872 |     44,809
```

```
    Either |
needs help |
    or has |
difficulty |
     going |       Survey wave
   outside |         6           7 |      Total
-----------+----------------------+----------
         0 |     5,685       4,952 |     37,368
         1 |     1,204       1,066 |      7,407
         . |         7           7 |         34
-----------+----------------------+----------
     Total |     6,896       6,025 |     44,809
```

132 ***
133 //independent - go out some/most days but are independent
134 gen independent=0

```
135 replace independent=1 if help_go_out==0 & hasdifficulty==0
   (31,998 real changes made)

136 la var independent "Independently leaves home"

137 tab independent wave if sp_ivw_yes==1, missing
```

Independently leaves home			Survey wave			
	1	2	3	4	5	Total
0	1,841	1,951	1,671	1,416	2,077	12,811
1	5,768	4,608	3,736	3,025	5,795	31,998
Total	7,609	6,559	5,407	4,441	7,872	44,809

Independently leaves home	Survey wave		
	6	7	Total
0	2,043	1,812	12,811
1	4,853	4,213	31,998
Total	6,896	6,025	44,809

```
138
139 tab independent helpdiff, missing //no overlap
```

Independently leaves home	Either needs help or has difficulty going outside			
	0	1	.	Total
0	8,339	7,407	34	15,780
1	31,998	0	0	31,998
Total	40,337	7,407	34	47,778

```
140 ********************************************
141 /*homebound categories
 > 0 = never go out
 > 1 = rarely go out
 > 2 = go out but never by self
 > 3 = go out but need help/have difficulty
 > 4 = go out, independent - don't need help or have difficulty
 > */
142 gen homebound_cat=.
   (47,778 missing values generated)

143 replace homebound_cat=1 if freq_go_out==4 | freq_go_out==5
   (4,806 real changes made)

144 replace homebound_cat=2 if inlist(freq_go_out,3,2,1) & out_on_own==4
   (1,946 real changes made)

145 replace homebound_cat=3 if inlist(freq_go_out,3,2,1) & helpdiff==1
   (6,274 real changes made)
```

```
146 replace homebound_cat=4 if inlist(freq_go_out,3,2,1) & independent==1
  (31,368 real changes made)

147
148 //from technical paper
149 replace homebound_cat=3 if spid==10009011 & wave==1
  (1 real change made)

150
151 la var homebound_cat "Homebound status, categorical"

152 la def hb 1 "Never/Rarely leaves home" 2 "Leaves home but never by self" ///
  > 3 "Leaves home but needs help/has difficulty" 4 "Independent, not homebound"

153 la val homebound_cat hb

154 tab homebound_cat wave if sp_ivw_yes==1, missing
```

| Homebound status, | Survey wave | | | | |
categorical	1	2	3	4	Total
Never/Rarely leaves h	561	710	651	599	4,806
Leaves home but never	342	259	248	211	1,946
Leaves home but needs	1,019	918	719	630	6,275
Independent, not home	5,681	4,531	3,649	2,974	31,368
.	6	141	140	27	414
Total	7,609	6,559	5,407	4,441	44,809

| Homebound status, | Survey wave | | | |
categorical	5	6	7	Total
Never/Rarely leaves h	761	797	727	4,806
Leaves home but never	337	289	260	1,946
Leaves home but needs	1,073	1,026	890	6,275
Independent, not home	5,679	4,742	4,112	31,368
.	22	42	36	414
Total	7,872	6,896	6,025	44,809

```
155 /*binary for never go out, since never/rarely together*/
156 gen never_go_out=freq_go_out==5 if freq!=.
  (3,288 missing values generated)

157 label var never_go_out "Never leaves home"

158 *********************************************
159 /*subcategories for level 4 homeboud category
  > independent but go out only rarely
  > independent and go out frequently*/
160 gen indeplow=0

161 replace indeplow=1 if freq_go_out==3 & independent==1
  (2,671 real changes made)

162 la var indeplow "Independent, go out rarely"

163
```

```
164 gen indephigh=0

165 replace indephigh=1 if inlist(freq_go_out,2,1) & independent==1
    (28,697 real changes made)

166 la var indephigh "Independent, go out often"

167
168 tab indeplow wave if sp_ivw_yes==1, missing
```

Independen t, go out rarely	1	2	Survey wave 3	4	5	Total
0	7,150	6,199	5,096	4,185	7,413	42,138
1	459	360	311	256	459	2,671
Total	7,609	6,559	5,407	4,441	7,872	44,809

Independen t, go out rarely	Survey wave 6	7	Total
0	6,463	5,632	42,138
1	433	393	2,671
Total	6,896	6,025	44,809

```
169 tab indephigh wave if sp_ivw_yes==1, missing
```

Independen t, go out often	1	2	Survey wave 3	4	5	Total
0	2,387	2,388	2,069	1,723	2,652	16,112
1	5,222	4,171	3,338	2,718	5,220	28,697
Total	7,609	6,559	5,407	4,441	7,872	44,809

Independen t, go out often	Survey wave 6	7	Total
0	2,587	2,306	16,112
1	4,309	3,719	28,697
Total	6,896	6,025	44,809

```
170
171 *********************************************
172 *********************************************
173 //demographic information
174 *********************************************
175 *********************************************
176 //age at interview, note this is missing for wave 7 b/c no wave 7 sensitive da
  > ta yet
```

```
177 gen age=.
   (47,778 missing values generated)

178 forvalues w=1/$w{
   2.          replace age=r`w'dintvwrage if wave==`w'
   3.          sum age if wave==`w', detail
   4.          }
   (8,245 real changes made)

                               age
-----------------------------------------------------------------
      Percentiles     Smallest
 1%           66            65
 5%           66            65
10%           68            65        Obs                 8,245
25%           71            65        Sum of Wgt.         8,245

50%           78                      Mean             78.3698
                       Largest        Std. Dev.        8.187231
75%           84           102
90%           90           103        Variance         67.03075
95%           92           105        Skewness         .3186162
99%           97           106        Kurtosis         2.275853
   (7,075 real changes made)

                               age
-----------------------------------------------------------------
      Percentiles     Smallest
 1%           -1            -1
 5%           -1            -1
10%           67            -1        Obs                 7,075
25%           71            -1        Sum of Wgt.         7,075

50%           78                      Mean             73.49385
                       Largest        Std. Dev.        22.01883
75%           85           103
90%           90           103        Variance         484.8287
95%           93           106        Skewness        -2.627003
99%           97           107        Kurtosis         9.423245
   (5,799 real changes made)

                               age
-----------------------------------------------------------------
      Percentiles     Smallest
 1%           -1            -1
 5%           -1            -1
10%           68            -1        Obs                 5,799
25%           71            -1        Sum of Wgt.         5,799

50%           78                      Mean             72.61976
                       Largest        Std. Dev.        24.35733
75%           85           103
90%           90           103        Variance         593.2795
95%           93           104        Skewness        -2.372214
99%           98           104        Kurtosis         7.620767
   (4,737 real changes made)

                               age
-----------------------------------------------------------------
      Percentiles     Smallest
 1%           -1            -1
 5%           -1            -1
10%           69            -1        Obs                 4,737
25%           72            -1        Sum of Wgt.         4,737
```

```
 50%            79                      Mean            73.64049
                              Largest   Std. Dev.       23.94829
 75%            86             103
 90%            91             103      Variance        573.5204
 95%            94             103      Skewness       -2.468165
 99%            98             105      Kurtosis        8.139488
(8,334 real changes made)
```

```
                              age
-------------------------------------------------------------
      Percentiles     Smallest
  1%           -1           -1
  5%           66           -1
 10%           68           -1       Obs              8,334
 25%           71           -1       Sum of Wgt.      8,334

 50%           78                    Mean            75.91661
                              Largest   Std. Dev.     16.76712
 75%           84             103
 90%           90             104     Variance        281.1363
 95%           93             106     Skewness       -3.270721
 99%           97             107     Kurtosis        15.92062
(7,276 real changes made)
```

```
                              age
-------------------------------------------------------------
      Percentiles     Smallest
  1%           -1           -1
  5%           -1           -1
 10%           68           -1       Obs              7,276
 25%           72           -1       Sum of Wgt.      7,276

 50%           78                    Mean            74.06308
                              Largest   Std. Dev.     21.50473
 75%           85             104
 90%           90             105     Variance        462.4533
 95%           93             107     Skewness       -2.712013
 99%           98             108     Kurtosis        10.03057
(6,312 real changes made)
```

```
                              age
-------------------------------------------------------------
      Percentiles     Smallest
  1%           -1           -1
  5%           -1           -1
 10%           68           -1       Obs              6,312
 25%           73           -1       Sum of Wgt.      6,312

 50%           78                    Mean            74.06179
                              Largest   Std. Dev.     22.28213
 75%           85             104
 90%           90             104     Variance        496.4934
 95%           93             106     Skewness       -2.660299
 99%           98             109     Kurtosis        9.466929
```

```
179 //for last month of life interviews, use age at death variable
180 tab ivw_type if age==-1, missing
```

```
                      ivw_type |      Freq.     Percent        Cum.
-------------------------------+-----------------------------------
Died, proxy SP LML interview completed |   2,671      100.00      100.00
-------------------------------+-----------------------------------
                         Total |      2,671      100.00
```

```
181 replace age=r2ddeathage if ivw_type==2 & r2dintvwrage==-1
   (503 real changes made)

182 sum age

        Variable |        Obs        Mean    Std. Dev.        Min        Max
   -------------+--------------------------------------------------------
             age |     47,778    75.73092    18.48966         -8        109

183 //some observations that died still have missing age, so set to missing
184 tab ivw_type if inlist(age,-7,-8)

                             ivw_type |      Freq.     Percent        Cum.
   -----------------------------------+---------------------------------
   Died, proxy SP LML interview completed |          4      100.00      100.00
   -----------------------------------+---------------------------------
                                Total |          4      100.00

185 replace age=. if inlist(age,-7,-8)
   (4 real changes made, 4 to missing)

186
187 la var age "Age at interview or death"

188 sum age if ivw_type==1, detail

                    Age at interview or death
   -------------------------------------------------------------
          Percentiles      Smallest
    1%          66               65
    5%          68               65
   10%          69               65      Obs               42,138
   25%          72               65      Sum of Wgt.       42,138

   50%          78                       Mean            78.79551
                            Largest      Std. Dev.       7.767678
   75%          84              107
   90%          90              107      Variance        60.33683
   95%          93              108      Skewness        .3825169
   99%          97              109      Kurtosis        2.411989

189 sum age if ivw_type==2, detail

                    Age at interview or death
   -------------------------------------------------------------
          Percentiles      Smallest
    1%          -1               -1
    5%          -1               -1
   10%          -1               -1      Obs                2,667
   25%          -1               -1      Sum of Wgt.        2,667

   50%          -1                       Mean            15.18448
                            Largest      Std. Dev.       33.92332
   75%          -1              102
   90%          86              102      Variance        1150.792
   95%          91              103      Skewness        1.644791
   99%          98              103      Kurtosis        3.770193

190 sum age, detail

                    Age at interview or death
   -------------------------------------------------------------
          Percentiles      Smallest
    1%          -1               -1
    5%          66               -1
   10%          68               -1      Obs               47,774
   25%          72               -1      Sum of Wgt.       47,774
```

```
     50%            78                    Mean           75.73791
                              Largest     Std. Dev.      18.47464
     75%            85            107
     90%            90            107      Variance       341.3124
     95%            93            108      Skewness      -3.112367
     99%            98            109      Kurtosis       13.65172

191
192 //gender, only asked in round 1
193 gen female=.
  (47,778 missing values generated)

194 replace female=1 if dgender==2 & wave==1
  (4,925 real changes made)

195 replace female=0 if dgender==1 & wave==1
  (3,320 real changes made)

196 replace female=1 if dgender==2 & wave==5
  (4,927 real changes made)

197 replace female=0 if dgender==1 & wave==5
  (3,407 real changes made)

198
199 la var female "Female"

200 la def female 0"Male" 1"Female"

201 la val female female

202 tab female if wave==1, missing

       Female |     Freq.     Percent       Cum.
  ------------+-----------------------------------
         Male |     3,320       40.27       40.27
       Female |     4,925       59.73      100.00
  ------------+-----------------------------------
        Total |     8,245      100.00

203 tab dracehisp, missing

          R1 D RACE AND HISPANIC ETHNICITY |     Freq.      Percent        Cum.
  ----------------------------------------+-----------------------------------
                  1 White, non-hispanic |    11,358        23.77        23.77
                  2 Black, non-hispanic |     3,504         7.33        31.11
   3 Other (Am Indian/Asian/Native Hawaii |       475         0.99        32.10
                           4 Hispanic |       939         1.97        34.07
            5 more than one DKRF primary |        14         0.03        34.10
                             6 DKRF |       289         0.60        34.70
                                   . |    31,199        65.30       100.00
  ----------------------------------------+-----------------------------------
                              Total |    47,778       100.00

204
205 //race, ethnicity
206 gen race_cat=dracehisp
  (31,199 missing values generated)

207 replace race_cat=-8 if inlist(dracehisp,5,6)
  (303 real changes made)
```

```
208 label define race 1 "White Non-His" 2 "Black Non-His" 4 "Hispanic" ///
  >         3 "Other (Am Indian/Asian/Nat. Hawaii)" -8 "DKRF"

209 label values race_cat race

210 la var race_cat "Race, categorical"

211 tab race_cat if wave==1, missing

                   Race, categorical |     Freq.     Percent       Cum.
-----------------------------------+-----------------------------------
                              DKRF |        93        1.13        1.13
                    White Non-His |     5,655       68.59       69.71
                    Black Non-His |     1,794       21.76       91.47
  Other (Am Indian/Asian/Nat. Hawaii) |      231        2.80       94.28
                         Hispanic |       472        5.72      100.00
-----------------------------------+-----------------------------------
                             Total |     8,245      100.00

212
213 replace race_cat = 1 if dracehisp==1 & wave==5
  (0 real changes made)

214 replace race_cat = 2 if dracehisp==2 & wave==5
  (0 real changes made)

215 replace race_cat = 3 if dracehisp==3 & wave==5
  (0 real changes made)

216 replace race_cat = 4 if dracehisp==4 & wave==5
  (0 real changes made)

217 replace race_cat = -8 if inlist(dracehisp,5,6) & wave==5
  (0 real changes made)

218
219 //education
220 generate education=.
  (47,778 missing values generated)

221 foreach w in 1 5{
   2. replace education=1 if inlist(higstschl,1,2,3) & wave==`w'
   3. replace education=2 if higstschl==4 & wave==`w'
   4. replace education=3 if inlist(higstschl,5,6,7) & wave==`w'
   5. replace education=4 if inlist(higstschl,8,9) & wave==`w'
   6. }
  (2,047 real changes made)
  (2,069 real changes made)
  (1,818 real changes made)
  (1,579 real changes made)
  (798 real changes made)
  (1,050 real changes made)
  (1,037 real changes made)
  (907 real changes made)

222
223 la var education "Education level, categorical"

224 label define edulbl 1 "<High School" 2 "High School/GED" 3 "Some College" ///
  >         4 ">=Bachelors" 5 "DKRF"
```

```
225 label values education edulbl

226 tab education higstschl if wave==1, missing
```

Education level, categorical	R1 EL10 HGHST DGREE SCOOL COMPLD -9 Missin	-8 DK	-7 RF	-1 Inappl	Total
<High School	0	0	0	0	2,047
High School/GED	0	0	0	0	2,069
Some College	0	0	0	0	1,818
>=Bachelors	0	0	0	0	1,579
.	168	86	10	468	732
Total	168	86	10	468	8,245

Education level, categorical	R1 EL10 HGHST DGREE SCOOL COMPLD 1 NO SCH	2 1ST-8T	3 9TH-12	4 HIGH S	Total
<High School	89	900	1,058	0	2,047
High School/GED	0	0	0	2,069	2,069
Some College	0	0	0	0	1,818
>=Bachelors	0	0	0	0	1,579
.	0	0	0	0	732
Total	89	900	1,058	2,069	8,245

Education level, categorical	R1 EL10 HGHST DGREE SCOOL COMPLD 5 VOCATI	6 SOME C	7 ASSOCI	8 BACHEL	Total
<High School	0	0	0	0	2,047
High School/GED	0	0	0	0	2,069
Some College	549	942	327	0	1,818
>=Bachelors	0	0	0	863	1,579
.	0	0	0	0	732
Total	549	942	327	863	8,245

Education level, categorical	R1 EL10 HGHST DGREE SCOOL COMPLD 9 MASTER	Total
<High School	0	2,047
High School/GED	0	2,069
Some College	0	1,818
>=Bachelors	716	1,579
.	0	732
Total	716	8,245

```
227
```

```
228 gen educ_hs_ind=education>=2 if education>0 & education!=.
  (36,473 missing values generated)

229
230 //income, just wave 1, reported every other wave
231 sum totinc if wave==1, detail //this is the actual reported income, only prese
  > nt 40% sample
```

                       R1 IA50 TOTAL INCOME

          Percentiles   Smallest
     1%   -9   -9
     5%   -8   -9
    10%   -8   -9   Obs   8,245
    25%   -8   -9   Sum of Wgt.   8,245

    50%   1003   Mean   25276.52
                              Largest   Std. Dev.   126078.6
    75%   27000   4000000
    90%   60000   4000000   Variance   1.59e+10
    95%   90000   5000000   Skewness   30.27629
    99%   200000   5700000   Kurtosis   1121.346

```
232
233 forvalues i = 1/5 {
    2.          gen imputed_inc`i'=.
    3.          forvalues w=1 3 : $w{
    4.                  di "`w'"
    5.                  replace toincim`i'=. if inlist(toincim`i',-9,-1) & wave==`w
  > '
    6.                  sum toincim`i' if wave==`w',detail //imputed income variabl
  > es
    7.                  replace imputed_inc`i' = toincim`i' if wave==`w'
    8. }
    9.                  label var imputed_inc`i' "Imputed Income `i'"
   10. }
  (47,778 missing values generated)
  1
  (636 real changes made, 636 to missing)
```

                    R1 IA50 IMPUTED TOTAL INC1

          Percentiles   Smallest
     1%   0   0
     5%   5000   0
    10%   8000   0   Obs   7,609
    25%   13000   0   Sum of Wgt.   7,609

    50%   25000   Mean   48101.73
                              Largest   Std. Dev.   174772.8
    75%   50000   5000000
    90%   85000   5000000   Variance   3.05e+10
    95%   125000   5700000   Skewness   22.64232
    99%   280000   5700000   Kurtosis   610.7911

```
  (7,609 real changes made)
  3
  (3,804 real changes made, 3,804 to missing)
```

                    R1 IA50 IMPUTED TOTAL INC1

          Percentiles   Smallest
     1%   3   1
     5%   7416   1
    10%   9600   1   Obs   1,995
    25%   15000   1   Sum of Wgt.   1,995

```
50%         26000                      Mean              48386.08
                          Largest      Std. Dev.         281877.9
75%         50000         600000
90%         90000         700000       Variance          7.95e+10
95%        120000        1000000       Skewness          42.24874
99%        250000        1.24e+07      Kurtosis          1849.981
(1,995 real changes made)
5
(4,994 real changes made, 4,994 to missing)
```

```
                R1 IA50 IMPUTED TOTAL INC1
-------------------------------------------------------------
       Percentiles     Smallest
 1%          500            0
 5%         7960            0
10%         9600            0       Obs                  3,340
25%        15080            0       Sum of Wgt.          3,340

50%        28950                    Mean              56470.78
                          Largest   Std. Dev.         438429.2
75%       55627.5        1000000
90%        100000        1400000    Variance          1.92e+11
95%        140000        1400000    Skewness          55.19802
99%        350000        2.50e+07   Kurtosis          3138.764
(3,340 real changes made)
7
(746 real changes made, 746 to missing)
```

```
                R1 IA50 IMPUTED TOTAL INC1
-------------------------------------------------------------
       Percentiles     Smallest
 1%            0            0
 5%         8400            0
10%        10500            0       Obs                  5,566
25%        18000            0       Sum of Wgt.          5,566

50%        34000                    Mean              78604.11
                          Largest   Std. Dev.          1353578
75%        65000        5000000
90%        110000       5000000     Variance          1.83e+12
95%        153000       9999999     Skewness          72.38774
99%        380000       1.00e+08    Kurtosis          5337.796
(5,566 real changes made)
(47,778 missing values generated)
1
(636 real changes made, 636 to missing)
```

```
                R1 IA50 IMPUTED TOTAL INC2
-------------------------------------------------------------
       Percentiles     Smallest
 1%            0            0
 5%         5000            0
10%         8000            0       Obs                  7,609
25%        13000            0       Sum of Wgt.          7,609

50%        25000                    Mean              47400.31
                          Largest   Std. Dev.         163813.4
75%        50000        5000000
90%        85000        5000000     Variance          2.68e+10
95%        124000       5700000     Skewness          24.37988
99%        280000       5700000     Kurtosis          720.7381
(7,609 real changes made)
3
(3,804 real changes made, 3,804 to missing)
```

```
                R1 IA50 IMPUTED TOTAL INC2
---------------------------------------------------------------
        Percentiles      Smallest
  1%           1               1
  5%        7200               1
 10%        9600               1       Obs                1,995
 25%       15000               1       Sum of Wgt.        1,995

 50%       26000                       Mean             47069.7
                    Largest            Std. Dev.       178641.3
 75%       50000          700000
 90%       90000         1000000       Variance        3.19e+10
 95%      120000         1500000       Skewness        36.86894
 99%      275000         7500000       Kurtosis        1522.939
(1,995 real changes made)
5
(4,994 real changes made, 4,994 to missing)

                R1 IA50 IMPUTED TOTAL INC2
---------------------------------------------------------------
        Percentiles      Smallest
  1%          12               0
  5%        8000               0
 10%        9600               0       Obs                3,340
 25%       15104               0       Sum of Wgt.        3,340

 50%       29000                       Mean             58321.44
                    Largest            Std. Dev.       473369.3
 75%       55000         1200000
 90%      100000         1500000       Variance        2.24e+11
 95%      140000         1.05e+07      Skewness        47.05424
 99%      324000         2.50e+07      Kurtosis        2379.933
(3,340 real changes made)
7
(746 real changes made, 746 to missing)

                R1 IA50 IMPUTED TOTAL INC2
---------------------------------------------------------------
        Percentiles      Smallest
  1%           0               0
  5%        8400               0
 10%       10108               0       Obs                5,566
 25%       18000               0       Sum of Wgt.        5,566

 50%       34000                       Mean             95084.95
                    Largest            Std. Dev.        1903727
 75%       65000         5000000
 90%      109000         9999999       Variance        3.62e+12
 95%      150000         1.00e+08      Skewness        51.97872
 99%      366000         1.00e+08      Kurtosis        2726.439
(5,566 real changes made)
(47,778 missing values generated)
1
(636 real changes made, 636 to missing)

                R1 IA50 IMPUTED TOTAL INC3
---------------------------------------------------------------
        Percentiles      Smallest
  1%           0               0
  5%        5000               0
 10%        8000               0       Obs                7,609
 25%       13000               0       Sum of Wgt.        7,609
```

```
50%        25000                    Mean           48033.05
                        Largest     Std. Dev.      174223.1
75%        50000        5000000
90%        85000        5000000     Variance       3.04e+10
95%       120000        5700000     Skewness       22.81822
99%       260000        5700000     Kurtosis       618.2839
(7,609 real changes made)
3
(3,804 real changes made, 3,804 to missing)

           R1 IA50 IMPUTED TOTAL INC3
-------------------------------------------------------------
     Percentiles     Smallest
 1%          1               1
 5%       7200               1
10%       9600               1     Obs               1,995
25%      15000               1     Sum of Wgt.       1,995

50%       26000                    Mean           47659.84
                        Largest     Std. Dev.      189034.5
75%       50000        1000000
90%       90000        1200000     Variance       3.57e+10
95%      120000        3000000     Skewness       32.89802
99%      250000        7500000     Kurtosis       1243.036
(1,995 real changes made)
5
(4,994 real changes made, 4,994 to missing)

           R1 IA50 IMPUTED TOTAL INC3
-------------------------------------------------------------
     Percentiles     Smallest
 1%        650               0
 5%       8000               0
10%       9600               0     Obs               3,340
25%      15000               0     Sum of Wgt.       3,340

50%       28000                    Mean           48406.01
                        Largest     Std. Dev.      73053.08
75%       55000         800000
90%      100000        1000000     Variance       5.34e+09
95%      141000        1200000     Skewness       7.284459
99%      315000        1400000     Kurtosis       88.99018
(3,340 real changes made)
7
(746 real changes made, 746 to missing)

           R1 IA50 IMPUTED TOTAL INC3
-------------------------------------------------------------
     Percentiles     Smallest
 1%          0               0
 5%       8400               0
10%      10330               0     Obs               5,566
25%      17820               0     Sum of Wgt.       5,566

50%       34000                    Mean           94706.75
                        Largest     Std. Dev.       1902950
75%       65000        5000000
90%      110000        9999999     Variance       3.62e+12
95%      150000        1.00e+08    Skewness       52.04053
99%      366000        1.00e+08    Kurtosis       2730.927
(5,566 real changes made)
(47,778 missing values generated)
1
(636 real changes made, 636 to missing)
```

```
               R1 IA50 IMPUTED TOTAL INC4
-----------------------------------------------------------
       Percentiles      Smallest
  1%           0              0
  5%        5000              0
 10%        8000              0        Obs              7,609
 25%       13000              0        Sum of Wgt.      7,609

 50%       25000                       Mean          48079.98
                       Largest         Std. Dev.     173745.9
 75%       50000        5000000
 90%       85000        5000000        Variance      3.02e+10
 95%      125000        5700000        Skewness      23.20914
 99%      280000        5700000        Kurtosis      635.8328
(7,609 real changes made)
3
(3,804 real changes made, 3,804 to missing)

               R1 IA50 IMPUTED TOTAL INC4
-----------------------------------------------------------
       Percentiles      Smallest
  1%           3              1
  5%        7512              1
 10%       10000              1        Obs              1,995
 25%       15000              1        Sum of Wgt.      1,995

 50%       26000                       Mean          46867.35
                       Largest         Std. Dev.     179057.9
 75%       50000         700000
 90%       90000        1000000        Variance      3.21e+10
 95%      120000        1500000        Skewness      36.63096
 99%      300000        7500000        Kurtosis      1509.025
(1,995 real changes made)
5
(4,994 real changes made, 4,994 to missing)

               R1 IA50 IMPUTED TOTAL INC4
-----------------------------------------------------------
       Percentiles      Smallest
  1%         650              0
  5%        8000              0
 10%        9738              0        Obs              3,340
 25%       15600              0        Sum of Wgt.      3,340

 50%       29000                       Mean          49351.86
                       Largest         Std. Dev.     83170.27
 75%       55000        1400000
 90%      100000        1400000        Variance      6.92e+09
 95%      140000        1400000        Skewness      8.931731
 99%      340000        1500000        Kurtosis      120.3207
(3,340 real changes made)
7
(746 real changes made, 746 to missing)

               R1 IA50 IMPUTED TOTAL INC4
-----------------------------------------------------------
       Percentiles      Smallest
  1%           0              0
  5%        8400              0
 10%       10320              0        Obs              5,566
 25%       18000              0        Sum of Wgt.      5,566
```

```
50%        34000                   Mean             95543.11
                       Largest     Std. Dev.         1906955
75%        65000       9999999
90%       110000       9999999     Variance         3.64e+12
95%       152000       1.00e+08    Skewness         51.73634
99%       350000       1.00e+08    Kurtosis         2708.096
(5,566 real changes made)
(47,778 missing values generated)
1
(636 real changes made, 636 to missing)
```

```
              R1 IA50 IMPUTED TOTAL INC5
-------------------------------------------------------------
      Percentiles    Smallest
 1%          0            0
 5%       5000            0
10%       8008            0      Obs               7,609
25%      13000            0      Sum of Wgt.       7,609

50%      25000                   Mean             48496.79
                       Largest    Std. Dev.          176243
75%      50000       5000000
90%      86000       5000000     Variance         3.11e+10
95%     126000       5700000     Skewness         22.54756
99%     265000       5700000     Kurtosis         604.0381
(7,609 real changes made)
3
(3,804 real changes made, 3,804 to missing)
```

```
              R1 IA50 IMPUTED TOTAL INC5
-------------------------------------------------------------
      Percentiles    Smallest
 1%          1            1
 5%       7500            1
10%       9600            1      Obs               1,995
25%      15000            1      Sum of Wgt.       1,995

50%      26000                   Mean              43795.8
                       Largest    Std. Dev.        65365.31
75%      50000        600000
90%      90000        700000     Variance         4.27e+09
95%     121000       1000000     Skewness         9.542474
99%     290000       1500000     Kurtosis         162.6787
(1,995 real changes made)
5
(4,994 real changes made, 4,994 to missing)
```

```
              R1 IA50 IMPUTED TOTAL INC5
-------------------------------------------------------------
      Percentiles    Smallest
 1%        650            0
 5%       7872            0
10%       9600            0      Obs               3,340
25%      15363            0      Sum of Wgt.       3,340

50%      28000                   Mean             56612.57
                       Largest    Std. Dev.          472496
75%      55000       1200000
90%      98500       1400000     Variance         2.23e+11
95%     135500       1.05e+07    Skewness         47.32019
99%     300000       2.50e+07    Kurtosis         2398.247
(3,340 real changes made)
7
(746 real changes made, 746 to missing)
```

```
                    R1 IA50 IMPUTED TOTAL INC5
      -------------------------------------------------------------
          Percentiles      Smallest
      1%           0              0
      5%        8500              0
     10%       10560              0        Obs              5,566
     25%       18000              0        Sum of Wgt.      5,566

     50%       34000                       Mean          76070.67
                             Largest       Std. Dev.      1352336
     75%       65000        5000000
     90%      108000        5000000        Variance       1.83e+12
     95%      150000        9999999        Skewness       72.59015
     99%      341452        1.00e+08       Kurtosis       5357.967
      (5,566 real changes made)

234
235
236 egen aveincome=rowmean(imputed_inc1-imputed_inc5)
    (29268 missing values generated)

237 forvalues w=1 3 : $w{
     2.          replace aveincome=totinc if wave==`w' & totinc>=0 & ///
   >          !missing(totinc)
     3. }
    (0 real changes made)
    (2,889 real changes made)
    (4,236 real changes made)
    (3 real changes made)

238
239 sort spid wave

240 by spid: carryforward aveincome, replace
    aveincome:  (19116 real changes made)

241 //use first income imputation to set income categorical variable
242 gen income_cat=0 if aveincome<15000 & aveincome!=.
    (37,716 missing values generated)

243 replace income_cat=1 if aveincome>=15000 & aveincome<30000 & aveincome!=.
    (12,088 real changes made)

244 replace income_cat=2 if aveincome>=30000 & aveincome<60000 & aveincome!=.
    (11,817 real changes made)

245 replace income_cat=3 if aveincome>=60000 & aveincome!=.
    (10,784 real changes made)

246 label define income_cat 0 "<15000" 1 "15-29,999" 2 "30-59,999" 3 ">60000"

247 label values income_cat income_cat

248 tab income_cat, missing

    income_cat |      Freq.      Percent        Cum.
    -----------+-----------------------------------
       <15000 |     10,062       21.06       21.06
    15-29,999 |     12,088       25.30       46.36
    30-59,999 |     11,817       24.73       71.09
       >60000 |     10,784       22.57       93.66
            . |      3,027        6.34      100.00
    -----------+-----------------------------------
        Total |     47,778      100.00
```

```
249
250 //speak language other than english? Asked when new cohort
251 gen otherlang=spkothlan if wave==1
   (39,533 missing values generated)

252 replace otherlang=0 if spkothlan==2 & wave==1
   (6,178 real changes made)

253 replace otherlang=1 if condspanh==1 & wave==1
   (228 real changes made)

254 replace otherlang = . if inlist(otherlang,-9,-1)
   (636 real changes made, 636 to missing)

255 la var otherlang "Speak language other than English?"

256 tab otherlang wave, missing
```

Speak language other than English?			Survey wave			
	1	2	3	4	5	Total
-8	70	0	0	0	0	70
-7	5	0	0	0	0	5
0	6,178	0	0	0	0	6,178
1	1,356	0	0	0	0	1,356
.	636	7,075	5,799	4,737	8,334	40,169
Total	8,245	7,075	5,799	4,737	8,334	47,778

Speak language other than English?	Survey wave		
	6	7	Total
-8	0	0	70
-7	0	0	5
0	0	0	6,178
1	0	0	1,356
.	7,276	6,312	40,169
Total	7,276	6,312	47,778

```
257
258 replace otherlang=0 if spkothlan==2 & wave==5
   (3,063 real changes made)

259 replace otherlang=1 if spkothlan==1 & wave==5
   (582 real changes made)

260 replace otherlang=1 if condspanh==1 & wave==5
   (150 real changes made)

261 replace otherlang=. if inlist(spkothlan,-9,-1) & wave==5
   (150 real changes made, 150 to missing)

262
```

```
263
264 //fill in gender, race, education, income, etc. for wave 2 interviews
265 sort spid wave

266 by spid (wave): carryforward female race_cat education income_cat ///
  > otherlang imputed_inc1 imputed_inc2 imputed_inc3 imputed_inc4 imputed_inc5, re
  > place
  female:  (31199 real changes made)
  race_cat:  (31199 real changes made)
  education:  (32766 real changes made)
  income_cat:  (0 real changes made)
  otherlang:  (32757 real changes made)
  imputed_inc1:  (22011 real changes made)
  imputed_inc2:  (22011 real changes made)
  imputed_inc3:  (22011 real changes made)
  imputed_inc4:  (22011 real changes made)
  imputed_inc5:  (22011 real changes made)

267
268 gen white=race_cat==1

269 gen black=race_cat==2

270 gen hisp=race_cat==4

271 gen other_race=race_cat==3

272 label var white "White Non-Hisp"

273 label var black "Black Non-Hisp"

274 label var hisp "Hispanic"

275 label var other_race "Other race/ethnicity"

276 //merge white & other for reportability
277 gen whiteoth=white | other_race if !missing(white) & !missing(other_r)

278 label var whiteoth "White Non-Hispanic or other"

279
280 //marital status
281 //wave 2,3, use derived variable which is populated if not asked b/c no change
  >
282 gen maritalstat=martlstat if wave==1
  (39,533 missing values generated)

283 replace maritalstat=dmarstat if wave!=1
  (39,533 real changes made)

284 replace maritalstat=-9 if inlist(maritalstat,-9, -1)
  (5,473 real changes made)

285
286
287
288 la var maritalstat "Marital status"

289 label define maritallbl 1 "Married" 2 "Live w/Part" 3 "Separated" ///
  >        4 "Divorced" 5 "Widowed" 6 "Never Married" -7 "Refused" -8 "DK"
```

```
290 la val maritalstat maritallbl

291 tab maritalstat wave, missing
```

Marital status	Survey wave 1	2	3	4	Total
-9	636	1,020	915	700	5,641
DK	3	1	2	0	10
Refused	6	0	0	0	10
Married	3,647	2,804	2,216	1,784	19,349
Live w/Part	151	119	88	73	822
Separated	128	97	77	69	707
Divorced	796	631	510	432	4,699
Widowed	2,578	2,160	1,802	1,522	14,860
Never Married	300	243	189	157	1,680
Total	8,245	7,075	5,799	4,737	47,778

Marital status	Survey wave 5	6	7	Total
-9	758	866	746	5,641
DK	3	0	1	10
Refused	3	0	1	10
Married	3,498	2,912	2,488	19,349
Live w/Part	155	129	107	822
Separated	141	105	90	707
Divorced	901	760	669	4,699
Widowed	2,570	2,245	1,983	14,860
Never Married	305	259	227	1,680
Total	8,334	7,276	6,312	47,778

```
292
293
294 ********************************************
295 ********************************************
296 //Insurance coverage
297 ********************************************
298 ********************************************
299 //medicaid status
300 gen medicaid=.
  (47,778 missing values generated)

301 forvalues w=1/$w{
  2.          tab cmedicaid if wave==`w' , missing
  3.          replace medicaid=1 if cmedicaid==1 & wave==`w'
  4.          replace medicaid=0 if cmedicaid==2 & wave==`w'
  5.          replace medicaid=-7 if cmedicaid==-7 & wave==`w'
  6.          replace medicaid=-8 if cmedicaid==-8 & wave==`w'
  7. }
```

R1 IP4 COV BY STATE MEDICAID PRG	Freq.	Percent	Cum.
-9 Missing	168	2.04	2.04
-8 DK	191	2.32	4.35
-7 RF	16	0.19	4.55
-1 Inapplicable	468	5.68	10.22
1 YES	1,173	14.23	24.45
2 NO	6,229	75.55	100.00
Total	8,245	100.00	

```
  (1,173 real changes made)
  (6,229 real changes made)
  (16 real changes made)
  (191 real changes made)
```

```
   R1 IP4 COV BY |
STATE MEDICAID |
          PRG |      Freq.      Percent       Cum.
---------------+---------------------------------
    -9 Missing |        190        2.69        2.69
        -8 DK |        117        1.65        4.34
        -7 RF |          6        0.08        4.42
-1 Inapplicable |        829       11.72       16.14
        1 YES |        986       13.94       30.08
         2 NO |      4,947       69.92      100.00
---------------+---------------------------------
        Total |      7,075      100.00
(986 real changes made)
(4,947 real changes made)
(6 real changes made)
(117 real changes made)

   R1 IP4 COV BY |
STATE MEDICAID |
          PRG |      Freq.      Percent       Cum.
---------------+---------------------------------
    -9 Missing |        179        3.09        3.09
        -8 DK |        200        3.45        6.54
        -7 RF |         21        0.36        6.90
-1 Inapplicable |        736       12.69       19.59
        1 YES |        740       12.76       32.35
         2 NO |      3,923       67.65      100.00
---------------+---------------------------------
        Total |      5,799      100.00
(740 real changes made)
(3,923 real changes made)
(21 real changes made)
(200 real changes made)

   R1 IP4 COV BY |
STATE MEDICAID |
          PRG |      Freq.      Percent       Cum.
---------------+---------------------------------
    -9 Missing |        156        3.29        3.29
        -8 DK |        206        4.35        7.64
        -7 RF |          4        0.08        7.73
-1 Inapplicable |        544       11.48       19.21
        1 YES |        615       12.98       32.19
         2 NO |      3,212       67.81      100.00
---------------+---------------------------------
        Total |      4,737      100.00
(615 real changes made)
(3,212 real changes made)
(4 real changes made)
(206 real changes made)

   R1 IP4 COV BY |
STATE MEDICAID |
          PRG |      Freq.      Percent       Cum.
---------------+---------------------------------
    -9 Missing |        179        2.15        2.15
        -8 DK |        388        4.66        6.80
        -7 RF |         16        0.19        7.00
-1 Inapplicable |        579        6.95       13.94
        1 YES |      1,103       13.23       27.18
         2 NO |      6,069       72.82      100.00
---------------+---------------------------------
        Total |      8,334      100.00
(1,103 real changes made)
(6,069 real changes made)
(16 real changes made)
(388 real changes made)
```

```
 R1 IP4 COV BY |
STATE MEDICAID |
          PRG |       Freq.        Percent        Cum.
---------------+----------------------------------------
   -9 Missing |         177           2.43         2.43
        -8 DK |         197           2.71         5.14
        -7 RF |           6           0.08         5.22
-1 Inapplicable |        689           9.47        14.69
        1 YES |         992          13.63        28.33
         2 NO |       5,215          71.67       100.00
---------------+----------------------------------------
        Total |       7,276         100.00
(992 real changes made)
(5,215 real changes made)
(6 real changes made)
(197 real changes made)
```

```
 R1 IP4 COV BY |
STATE MEDICAID |
          PRG |       Freq.        Percent        Cum.
---------------+----------------------------------------
   -9 Missing |         158           2.50         2.50
        -8 DK |         157           2.49         4.99
        -7 RF |           2           0.03         5.02
-1 Inapplicable |        588           9.32        14.34
        1 YES |         881          13.96        28.30
         2 NO |       4,526          71.70       100.00
---------------+----------------------------------------
        Total |       6,312         100.00
(881 real changes made)
(4,526 real changes made)
(2 real changes made)
(157 real changes made)
```

302 la var medicaid "Medicaid"

303 tab medicaid wave,missing

```
          |                      Survey wave
 Medicaid |       1         2         3         4         5 |     Total
----------+-------------------------------------------------+----------
       -8 |     191       117       200       206       388 |     1,456
       -7 |      16         6        21         4        16 |        71
        0 |   6,229     4,947     3,923     3,212     6,069 |    34,121
        1 |   1,173       986       740       615     1,103 |     6,490
        . |     636     1,019       915       700       758 |     5,640
----------+-------------------------------------------------+----------
    Total |   8,245     7,075     5,799     4,737     8,334 |    47,778
```

```
          |    Survey wave
 Medicaid |       6         7 |     Total
----------+-------------------+----------
       -8 |     197       157 |     1,456
       -7 |       6         2 |        71
        0 |   5,215     4,526 |    34,121
        1 |     992       881 |     6,490
        . |     866       746 |     5,640
----------+-------------------+----------
    Total |   7,276     6,312 |    47,778
```

```
304 tab medicaid if wave==1 & ivw_type==1,missing

    Medicaid |      Freq.       Percent        Cum.
  ------------+---------------------------------
         -8 |        191         2.51         2.51
         -7 |         16         0.21         2.72
          0 |      6,229        81.86        84.58
          1 |      1,173        15.42       100.00
  ------------+---------------------------------
      Total |      7,609       100.00

305 //medigap status
306 gen medigap=.
  (47,778 missing values generated)

307 forvalues w=1/$w{
    2.          tab mgapmedsp if wave==`w' , missing
    3.          replace medigap=1 if mgapmedsp==1 & wave==`w'
    4.          replace medigap=0 if mgapmedsp==2 & wave==`w'
    5.          replace medigap=-7 if mgapmedsp==-7 & wave==`w'
    6.          replace medigap=-8 if mgapmedsp==-8 & wave==`w'
    7. }

  R1 IP3 MEDIGAP |
    OR MEDICARE |
          SUPP |      Freq.       Percent        Cum.
  ---------------+---------------------------------
    -9 Missing |        168         2.04         2.04
        -8 DK |        255         3.09         5.13
        -7 RF |         21         0.25         5.39
 -1 Inapplicable |      468         5.68        11.06
        1 YES |      4,207        51.02        62.09
         2 NO |      3,126        37.91       100.00
  ---------------+---------------------------------
       Total |      8,245       100.00
  (4,207 real changes made)
  (3,126 real changes made)
  (21 real changes made)
  (255 real changes made)

  R1 IP3 MEDIGAP |
    OR MEDICARE |
          SUPP |      Freq.       Percent        Cum.
  ---------------+---------------------------------
    -9 Missing |        190         2.69         2.69
        -8 DK |        176         2.49         5.17
        -7 RF |          9         0.13         5.30
 -1 Inapplicable |      829        11.72        17.02
        1 YES |      3,697        52.25        69.27
         2 NO |      2,174        30.73       100.00
  ---------------+---------------------------------
       Total |      7,075       100.00
  (3,697 real changes made)
  (2,174 real changes made)
  (9 real changes made)
  (176 real changes made)

  R1 IP3 MEDIGAP |
    OR MEDICARE |
          SUPP |      Freq.       Percent        Cum.
  ---------------+---------------------------------
    -9 Missing |        179         3.09         3.09
        -8 DK |        247         4.26         7.35
        -7 RF |         22         0.38         7.73
 -1 Inapplicable |      736        12.69        20.42
        1 YES |      2,966        51.15        71.56
         2 NO |      1,649        28.44       100.00
  ---------------+---------------------------------
       Total |      5,799       100.00
  (2,966 real changes made)
  (1,649 real changes made)
  (22 real changes made)
```

(247 real changes made)

```
 R1 IP3 MEDIGAP |
    OR MEDICARE |
           SUPP |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        156         3.29        3.29
         -8 DK |        275         5.81        9.10
         -7 RF |          4         0.08        9.18
-1 Inapplicable |       544        11.48       20.67
         1 YES |      2,483        52.42       73.08
          2 NO |      1,275        26.92      100.00
---------------+---------------------------------
         Total |      4,737       100.00
```
(2,483 real changes made)
(1,275 real changes made)
(4 real changes made)
(275 real changes made)

```
 R1 IP3 MEDIGAP |
    OR MEDICARE |
           SUPP |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        179         2.15        2.15
         -8 DK |        440         5.28        7.43
         -7 RF |         16         0.19        7.62
-1 Inapplicable |       579        6.95       14.57
         1 YES |      4,498        53.97       68.54
          2 NO |      2,622        31.46      100.00
---------------+---------------------------------
         Total |      8,334       100.00
```
(4,498 real changes made)
(2,622 real changes made)
(16 real changes made)
(440 real changes made)

```
 R1 IP3 MEDIGAP |
    OR MEDICARE |
           SUPP |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        177         2.43        2.43
         -8 DK |        276         3.79        6.23
         -7 RF |          7         0.10        6.32
-1 Inapplicable |       689        9.47       15.79
         1 YES |      4,069        55.92       71.72
          2 NO |      2,058        28.28      100.00
---------------+---------------------------------
         Total |      7,276       100.00
```
(4,069 real changes made)
(2,058 real changes made)
(7 real changes made)
(276 real changes made)

```
 R1 IP3 MEDIGAP |
    OR MEDICARE |
           SUPP |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        158         2.50        2.50
         -8 DK |        263         4.17        6.67
         -7 RF |          3         0.05        6.72
-1 Inapplicable |       588        9.32       16.03
         1 YES |      3,560        56.40       72.43
          2 NO |      1,740        27.57      100.00
---------------+---------------------------------
         Total |      6,312       100.00
```
(3,560 real changes made)
(1,740 real changes made)
(3 real changes made)
(263 real changes made)

```
308 la var medigap "Medigap"

309 tab medigap wave, missing
```

| | | | Survey wave | | | |
Medigap	1	2	3	4	5	Total
-8	255	176	247	275	440	1,932
-7	21	9	22	4	16	82
0	3,126	2,174	1,649	1,275	2,622	14,644
1	4,207	3,697	2,966	2,483	4,498	25,480
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

| | Survey wave | | |
Medigap	6	7	Total
-8	276	263	1,932
-7	7	3	82
0	2,058	1,740	14,644
1	4,069	3,560	25,480
.	866	746	5,640
Total	7,276	6,312	47,778

```
310
311 //medicare part d
312 gen mc_partd=.
  (47,778 missing values generated)

313 forvalues w=1/$w{
  2.            tab covmedcad if wave==`w' , missing
  3.            replace mc_partd=1 if covmedcad==1 & wave==`w'
  4.            replace mc_partd=0 if covmedcad==2 & wave==`w'
  5.            replace mc_partd=-7 if covmedcad==-7 & wave==`w'
  6.            replace mc_partd=-8 if covmedcad==-8 & wave==`w'
  7. }
```

R1 IP1 COVERD BY MEDICARE PART D	Freq.	Percent	Cum.
-9 Missing	168	2.04	2.04
-8 DK	335	4.06	6.10
-7 RF	23	0.28	6.38
-1 Inapplicable	468	5.68	12.06
1 YES	4,575	55.49	67.54
2 NO	2,676	32.46	100.00
Total	8,245	100.00	

```
  (4,575 real changes made)
  (2,676 real changes made)
  (23 real changes made)
  (335 real changes made)
```

R1 IP1 COVERD BY MEDICARE PART D	Freq.	Percent	Cum.
-9 Missing	190	2.69	2.69
-8 DK	252	3.56	6.25
-7 RF	5	0.07	6.32
-1 Inapplicable	829	11.72	18.04
1 YES	3,938	55.66	73.70
2 NO	1,861	26.30	100.00
Total	7,075	100.00	

```
  (3,938 real changes made)
  (1,861 real changes made)
```

```
(5 real changes made)
(252 real changes made)

   R1 IP1 COVERD |
     BY MEDICARE |
         PART D |      Freq.     Percent        Cum.
---------------+---------------------------------
     -9 Missing |       179        3.09        3.09
         -8 DK |        314        5.41        8.50
         -7 RF |         21        0.36        8.86
-1 Inapplicable |       736       12.69       21.56
         1 YES |      3,155       54.41       75.96
          2 NO |      1,394       24.04      100.00
---------------+---------------------------------
         Total |      5,799      100.00
(3,155 real changes made)
(1,394 real changes made)
(21 real changes made)
(314 real changes made)


   R1 IP1 COVERD |
     BY MEDICARE |
         PART D |      Freq.     Percent        Cum.
---------------+---------------------------------
     -9 Missing |       156        3.29        3.29
         -8 DK |        346        7.30       10.60
         -7 RF |          6        0.13       10.72
-1 Inapplicable |       544       11.48       22.21
         1 YES |      2,606       55.01       77.22
          2 NO |      1,079       22.78      100.00
---------------+---------------------------------
         Total |      4,737      100.00
(2,606 real changes made)
(1,079 real changes made)
(6 real changes made)
(346 real changes made)


   R1 IP1 COVERD |
     BY MEDICARE |
         PART D |      Freq.     Percent        Cum.
---------------+---------------------------------
     -9 Missing |       179        2.15        2.15
         -8 DK |        578        6.94        9.08
         -7 RF |         14        0.17        9.25
-1 Inapplicable |       579        6.95       16.20
         1 YES |      4,873       58.47       74.67
          2 NO |      2,111       25.33      100.00
---------------+---------------------------------
         Total |      8,334      100.00
(4,873 real changes made)
(2,111 real changes made)
(14 real changes made)
(578 real changes made)


   R1 IP1 COVERD |
     BY MEDICARE |
         PART D |      Freq.     Percent        Cum.
---------------+---------------------------------
     -9 Missing |       177        2.43        2.43
         -8 DK |        422        5.80        8.23
         -7 RF |          8        0.11        8.34
-1 Inapplicable |       689        9.47       17.81
         1 YES |      4,281       58.84       76.65
          2 NO |      1,699       23.35      100.00
---------------+---------------------------------
         Total |      7,276      100.00
(4,281 real changes made)
(1,699 real changes made)
(8 real changes made)
(422 real changes made)
```

```
    R1 IP1 COVERD |
      BY MEDICARE |
           PART D |      Freq.      Percent        Cum.
----------------+---------------------------------------
       -9 Missing |        158         2.50         2.50
            -8 DK |        312         4.94         7.45
            -7 RF |          3         0.05         7.49
 -1 Inapplicable |        588         9.32        16.81
            1 YES |      3,758        59.54        76.35
             2 NO |      1,493        23.65       100.00
----------------+---------------------------------------
            Total |      6,312       100.00
 (3,758 real changes made)
 (1,493 real changes made)
 (3 real changes made)
 (312 real changes made)

314 la var mc_partd "Medicare Part D"

315 tab mc_partd wave,missing
```

```
  Medicare |                        Survey wave
    Part D |        1          2          3          4          5 |     Total
-----------+-------------------------------------------------------+----------
        -8 |       335        252        314        346        578 |     2,559
        -7 |        23          5         21          6         14 |        80
         0 |     2,676      1,861      1,394      1,079      2,111 |    12,313
         1 |     4,575      3,938      3,155      2,606      4,873 |    27,186
         . |       636      1,019        915        700        758 |     5,640
-----------+-------------------------------------------------------+----------
     Total |     8,245      7,075      5,799      4,737      8,334 |    47,778
```

```
  Medicare |     Survey wave
    Part D |        6          7 |     Total
-----------+----------------------+----------
        -8 |       422        312 |     2,559
        -7 |         8          3 |        80
         0 |     1,699      1,493 |    12,313
         1 |     4,281      3,758 |    27,186
         . |       866        746 |     5,640
-----------+----------------------+----------
     Total |     7,276      6,312 |    47,778
```

```
316
317 //tricare - va insurance
318 gen tricare=.
  (47,778 missing values generated)

319 forvalues w=1/$w{
  2.          tab covtricar if wave==`w' , missing
  3.          replace tricare=1 if covtricar==1 & wave==`w'
  4.          replace tricare=0 if covtricar==2 & wave==`w'
  5.          replace tricare=-7 if covtricar==-7 & wave==`w'
  6.          replace tricare=-8 if covtricar==-8 & wave==`w'
  7. }
```

```
   R1 IP5 COVERED |
      BY TRICARE |      Freq.      Percent        Cum.
----------------+---------------------------------------
       -9 Missing |        168         2.04         2.04
            -8 DK |        127         1.54         3.58
            -7 RF |         16         0.19         3.77
 -1 Inapplicable |        468         5.68         9.45
            1 YES |        413         5.01        14.46
             2 NO |      7,053        85.54       100.00
----------------+---------------------------------------
            Total |      8,245       100.00
 (413 real changes made)
 (7,053 real changes made)
 (16 real changes made)
```

(127 real changes made)

```
 R1 IP5 COVERED |
     BY TRICARE |       Freq.      Percent        Cum.
---------------+---------------------------------------
   -9 Missing |         190         2.69         2.69
        -8 DK |          65         0.92         3.60
        -7 RF |           5         0.07         3.67
-1 Inapplicable |        829        11.72        15.39
        1 YES |         350         4.95        20.34
         2 NO |       5,636        79.66       100.00
---------------+---------------------------------------
        Total |       7,075       100.00
```
(350 real changes made)
(5,636 real changes made)
(5 real changes made)
(65 real changes made)

```
 R1 IP5 COVERED |
     BY TRICARE |       Freq.      Percent        Cum.
---------------+---------------------------------------
   -9 Missing |         179         3.09         3.09
        -8 DK |         151         2.60         5.69
        -7 RF |          21         0.36         6.05
-1 Inapplicable |        736        12.69        18.74
        1 YES |         284         4.90        23.64
         2 NO |       4,428        76.36       100.00
---------------+---------------------------------------
        Total |       5,799       100.00
```
(284 real changes made)
(4,428 real changes made)
(21 real changes made)
(151 real changes made)

```
 R1 IP5 COVERED |
     BY TRICARE |       Freq.      Percent        Cum.
---------------+---------------------------------------
   -9 Missing |         156         3.29         3.29
        -8 DK |         165         3.48         6.78
        -7 RF |           3         0.06         6.84
-1 Inapplicable |        544        11.48        18.32
        1 YES |         238         5.02        23.35
         2 NO |       3,631        76.65       100.00
---------------+---------------------------------------
        Total |       4,737       100.00
```
(238 real changes made)
(3,631 real changes made)
(3 real changes made)
(165 real changes made)

```
 R1 IP5 COVERED |
     BY TRICARE |       Freq.      Percent        Cum.
---------------+---------------------------------------
   -9 Missing |         179         2.15         2.15
        -8 DK |         274         3.29         5.44
        -7 RF |          12         0.14         5.58
-1 Inapplicable |        579         6.95        12.53
        1 YES |         430         5.16        17.69
         2 NO |       6,860        82.31       100.00
---------------+---------------------------------------
        Total |       8,334       100.00
```
(430 real changes made)
(6,860 real changes made)
(12 real changes made)
(274 real changes made)

```
R1 IP5 COVERED |
    BY TRICARE |       Freq.       Percent        Cum.
---------------+---------------------------------------
    -9 Missing |         177          2.43         2.43
         -8 DK |         126          1.73         4.16
         -7 RF |           5          0.07         4.23
-1 Inapplicable |        689          9.47        13.70
         1 YES |         399          5.48        19.19
          2 NO |       5,880         80.81       100.00
---------------+---------------------------------------
         Total |       7,276        100.00
(399 real changes made)
(5,880 real changes made)
(5 real changes made)
(126 real changes made)

R1 IP5 COVERED |
    BY TRICARE |       Freq.       Percent        Cum.
---------------+---------------------------------------
    -9 Missing |         158          2.50         2.50
         -8 DK |         112          1.77         4.28
         -7 RF |           1          0.02         4.29
-1 Inapplicable |        588          9.32        13.61
         1 YES |         354          5.61        19.22
          2 NO |       5,099         80.78       100.00
---------------+---------------------------------------
         Total |       6,312        100.00
(354 real changes made)
(5,099 real changes made)
(1 real change made)
(112 real changes made)
```

320 la var tricare "Tricare - veterans insurance"

321 tab tricare wave,missing

```
Tricare - |
 veterans |                         Survey wave
insurance |       1          2          3          4          5  |     Total
----------+-----------------------------------------------------+----------
       -8 |     127         65        151        165        274  |     1,020
       -7 |      16          5         21          3         12  |        63
        0 |   7,053      5,636      4,428      3,631      6,860  |    38,587
        1 |     413        350        284        238        430  |     2,468
        . |     636      1,019        915        700        758  |     5,640
----------+-----------------------------------------------------+----------
    Total |   8,245      7,075      5,799      4,737      8,334  |    47,778


Tricare - |
 veterans |     Survey wave
insurance |       6          7  |     Total
----------+---------------------+----------
       -8 |     126        112  |     1,020
       -7 |       5          1  |        63
        0 |   5,880      5,099  |    38,587
        1 |     399        354  |     2,468
        . |     866        746  |     5,640
----------+---------------------+----------
    Total |   7,276      6,312  |    47,778
```

```
322
323 //long term care nursing home insurance, private
324 gen private_ltc=.
  (47,778 missing values generated)

325 forvalues w=1/$w{
  2.          tab nginsnurs if wave==`w' , missing
  3.          replace private_ltc=1 if nginsnurs==1 & wave==`w'
  4.          replace private_ltc=0 if nginsnurs==2 & wave==`w'
  5.          replace private_ltc=-7 if nginsnurs==-7 & wave==`w'
  6.          replace private_ltc=-8 if nginsnurs==-8 & wave==`w'
  7. }

  R1 IP6 NONGOV |
  INSR FOR NURS |
          HOME |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        168         2.04         2.04
        -8 DK |        472         5.72         7.76
        -7 RF |         21         0.25         8.02
-1 Inapplicable |        468         5.68        13.69
         1 YES |      1,179        14.30        27.99
          2 NO |      5,937        72.01       100.00
---------------+---------------------------------
         Total |      8,245       100.00
(1,179 real changes made)
(5,937 real changes made)
(21 real changes made)
(472 real changes made)

  R1 IP6 NONGOV |
  INSR FOR NURS |
          HOME |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        190         2.69         2.69
        -8 DK |        291         4.11         6.80
        -7 RF |         10         0.14         6.94
-1 Inapplicable |      1,824        25.78        32.72
         1 YES |        329         4.65        37.37
          2 NO |      4,431        62.63       100.00
---------------+---------------------------------
         Total |      7,075       100.00
(329 real changes made)
(4,431 real changes made)
(10 real changes made)
(291 real changes made)

  R1 IP6 NONGOV |
  INSR FOR NURS |
          HOME |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        179         3.09         3.09
        -8 DK |        334         5.76         8.85
        -7 RF |         18         0.31         9.16
-1 Inapplicable |      1,723        29.71        38.87
         1 YES |        180         3.10        41.97
          2 NO |      3,365        58.03       100.00
---------------+---------------------------------
         Total |      5,799       100.00
(180 real changes made)
(3,365 real changes made)
(18 real changes made)
(334 real changes made)
```

```
  R1 IP6 NONGOV |
  INSR FOR NURS |
          HOME |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        156         3.29        3.29
        -8 DK |        356         7.52       10.81
        -7 RF |          3         0.06       10.87
-1 Inapplicable |      1,443        30.46       41.33
        1 YES |        147         3.10       44.44
         2 NO |      2,632        55.56      100.00
---------------+---------------------------------
        Total |      4,737       100.00
(147 real changes made)
(2,632 real changes made)
(3 real changes made)
(356 real changes made)

  R1 IP6 NONGOV |
  INSR FOR NURS |
          HOME |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        179         2.15        2.15
        -8 DK |        681         8.17       10.32
        -7 RF |         18         0.22       10.54
-1 Inapplicable |      1,422        17.06       27.60
        1 YES |        761         9.13       36.73
         2 NO |      5,273        63.27      100.00
---------------+---------------------------------
        Total |      8,334       100.00
(761 real changes made)
(5,273 real changes made)
(18 real changes made)
(681 real changes made)

  R1 IP6 NONGOV |
  INSR FOR NURS |
          HOME |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        177         2.43        2.43
        -8 DK |        454         6.24        8.67
        -7 RF |          8         0.11        8.78
-1 Inapplicable |      1,979        27.20       35.98
        1 YES |        281         3.86       39.84
         2 NO |      4,377        60.16      100.00
---------------+---------------------------------
        Total |      7,276       100.00
(281 real changes made)
(4,377 real changes made)
(8 real changes made)
(454 real changes made)

  R1 IP6 NONGOV |
  INSR FOR NURS |
          HOME |      Freq.      Percent        Cum.
---------------+---------------------------------
    -9 Missing |        158         2.50        2.50
        -8 DK |        337         5.34        7.84
        -7 RF |          4         0.06        7.91
-1 Inapplicable |      1,818        28.80       36.71
        1 YES |        221         3.50       40.21
         2 NO |      3,774        59.79      100.00
---------------+---------------------------------
        Total |      6,312       100.00
(221 real changes made)
(3,774 real changes made)
(4 real changes made)
(337 real changes made)
```

```
326 la var private_ltc "Private nursing home insurance"

327 tab private_ltc wave,missing
```

```
  Private |
  nursing |
     home |                        Survey wave
insurance |       1         2         3         4         5 |     Total
----------+-------------------------------------------------+----------
       -8 |     472       291       334       356       681 |     2,925
       -7 |      21        10        18         3        18 |        82
        0 |   5,937     4,431     3,365     2,632     5,273 |    29,789
        1 |   1,179       329       180       147       761 |     3,098
        . |     636     2,014     1,902     1,599     1,601 |    11,884
----------+-------------------------------------------------+----------
    Total |   8,245     7,075     5,799     4,737     8,334 |    47,778


  Private |
  nursing |
     home |     Survey wave
insurance |       6         7 |     Total
----------+--------------------+----------
       -8 |     454       337 |     2,925
       -7 |       8         4 |        82
        0 |   4,377     3,774 |    29,789
        1 |     281       221 |     3,098
        . |   2,156     1,976 |    11,884
----------+--------------------+----------
    Total |   7,276     6,312 |    47,778
```

```
328
329 //if report nh insurance in prev wave, asked to verify still have it curr wave
330 forvalues w=1/$w{
  2.   tab nginslast if wave==`w' & nginsnurs==-1, missing
  3.   replace private_ltc=1 if nginslast==1 & nginsnurs==-1 & wave==`w'
  4.   replace private_ltc=0 if nginslast==2 & nginsnurs==-1 & wave==`w'
  5.   replace private_ltc=-7 if nginslast==-7 & nginsnurs==-1 & wave==`w'
  6.   replace private_ltc=-8 if nginslast==-8 & nginsnurs==-1 & wave==`w'
  7. }
```

```
   R2 IP5A HAVE LTC INS FROM LAST INT |      Freq.     Percent        Cum.
--------------------------------------+-----------------------------------
                                    . |        468      100.00      100.00
--------------------------------------+-----------------------------------
                                Total |        468      100.00
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
```

```
   R2 IP5A HAVE LTC INS FROM LAST INT |      Freq.     Percent        Cum.
--------------------------------------+-----------------------------------
                               -8 DK |         14        0.77        0.77
                               -7 RF |          2        0.11        0.88
                     -1 Inapplicable |        829       45.45       46.33
                               1 YES |        931       51.04       97.37
                                2 NO |         48        2.63      100.00
--------------------------------------+-----------------------------------
                                Total |      1,824      100.00
(931 real changes made)
(48 real changes made)
(2 real changes made)
(14 real changes made)
```

```
  R2 IP5A HAVE LTC INS FROM LAST INT |     Freq.      Percent        Cum.
-------------------------------------+-----------------------------------
                             -8 DK |       44         2.55         2.55
                             -7 RF |        3         0.17         2.73
                  -1 Inapplicable |      736        42.72        45.44
                            1 YES |      892        51.77        97.21
                             2 NO |       48         2.79       100.00
-------------------------------------+-----------------------------------
                             Total |    1,723       100.00
(892 real changes made)
(48 real changes made)
(3 real changes made)
(44 real changes made)

  R2 IP5A HAVE LTC INS FROM LAST INT |     Freq.      Percent        Cum.
-------------------------------------+-----------------------------------
                             -8 DK |       40         2.77         2.77
                             -7 RF |        1         0.07         2.84
                  -1 Inapplicable |      544        37.70        40.54
                            1 YES |      810        56.13        96.67
                             2 NO |       48         3.33       100.00
-------------------------------------+-----------------------------------
                             Total |    1,443       100.00
(810 real changes made)
(48 real changes made)
(1 real change made)
(40 real changes made)

  R2 IP5A HAVE LTC INS FROM LAST INT |     Freq.      Percent        Cum.
-------------------------------------+-----------------------------------
                             -8 DK |       35         2.46         2.46
                             -7 RF |        1         0.07         2.53
                  -1 Inapplicable |      579        40.72        43.25
                            1 YES |      758        53.31        96.55
                             2 NO |       49         3.45       100.00
-------------------------------------+-----------------------------------
                             Total |    1,422       100.00
(758 real changes made)
(49 real changes made)
(1 real change made)
(35 real changes made)

  R2 IP5A HAVE LTC INS FROM LAST INT |     Freq.      Percent        Cum.
-------------------------------------+-----------------------------------
                             -8 DK |       44         2.22         2.22
                             -7 RF |        2         0.10         2.32
                  -1 Inapplicable |      689        34.82        37.14
                            1 YES |    1,167        58.97        96.11
                             2 NO |       77         3.89       100.00
-------------------------------------+-----------------------------------
                             Total |    1,979       100.00
(1,167 real changes made)
(77 real changes made)
(2 real changes made)
(44 real changes made)

  R2 IP5A HAVE LTC INS FROM LAST INT |     Freq.      Percent        Cum.
-------------------------------------+-----------------------------------
                             -8 DK |       48         2.64         2.64
                  -1 Inapplicable |      588        32.34        34.98
                            1 YES |    1,103        60.67        95.65
                             2 NO |       79         4.35       100.00
-------------------------------------+-----------------------------------
                             Total |    1,818       100.00
(1,103 real changes made)
(79 real changes made)
(0 real changes made)
(48 real changes made)
```

```
331 tab private_ltc wave,missing
```

```
     Private |
    nursing |
       home |                         Survey wave
  insurance |         1         2         3         4         5 |     Total
------------+-------------------------------------------------------+----------
         -8 |       472       305       378       396       716 |     3,150
         -7 |        21        12        21         4        19 |        91
          0 |     5,937     4,479     3,413     2,680     5,322 |    30,138
          1 |     1,179     1,260     1,072       957     1,519 |     8,759
          . |       636     1,019       915       700       758 |     5,640
------------+-------------------------------------------------------+----------
      Total |     8,245     7,075     5,799     4,737     8,334 |    47,778
```

```
     Private |
    nursing |
       home |     Survey wave
  insurance |         6         7 |     Total
------------+--------------------+----------
         -8 |       498       385 |     3,150
         -7 |        10         4 |        91
          0 |     4,454     3,853 |    30,138
          1 |     1,448     1,324 |     8,759
          . |       866       746 |     5,640
------------+--------------------+----------
      Total |     7,276     6,312 |    47,778
```

```
332
333 ********************************************
334 ********************************************
335 //Residence information
336 ********************************************
337 ********************************************
338 //residence physical structure variable only in wave 1
339 tab resistrct if wave==1, missing
```

```
        R1 RE1 RESIDNCE PHYSICAL STRCTUR |      Freq.     Percent        Cum.
-----------------------------------------+-----------------------------------
                             -9 Missing |        168        2.04        2.04
                          -1 Inapplicable |        468        5.68        7.71
  1 FREE-STANDING (DETACHED) SINGLE HOUS |      5,483       66.50       74.21
    2 SINGLE HOUSE BUT ATTACHED TO OTHERS |        615        7.46       81.67
                 3 MOBILE HOME OR TRAILER |        344        4.17       85.85
                 4 MULTI-UNIT (2+) BUILDING |      1,110       13.46       99.31
                       91 OTHER (SPECIFY) |         57        0.69      100.00
-----------------------------------------+-----------------------------------
                                  Total |      8,245      100.00
```

```
340 tab resistrct placedesc if wave==1, missing
```

```
     R1 RE1 RESIDNCE |        R1 HT3 PLACE BEST DESCRIPTION
     PHYSICAL STRCTUR | -9 Missin  -1 Inappl   1 PRIVAT   2 A GROU |     Total
--------------------+-------------------------------------------------+----------
          -9 Missing |       168         0         0         0 |       168
        -1 Inapplicable |         0       468         0         0 |       468
  1 FREE-STANDING (DET |         0         0     5,450        10 |     5,483
  2 SINGLE HOUSE BUT A |         0         0       587         5 |       615
  3 MOBILE HOME OR TRA |         0       344         0         0 |       344
  4 MULTI-UNIT (2+) BU |         0     1,110         0         0 |     1,110
     91 OTHER (SPECIFY) |         0        57         0         0 |        57
--------------------+-------------------------------------------------+----------
              Total |       168     1,979     6,037        15 |     8,245
```

```
      R1 RE1 RESIDNCE |  R1 HT3 PLACE BEST DESCRIPTION
     PHYSICAL STRCTUR |  3 ASSIST   4 RELIGI  91 OTHER  |     Total
---------------------+------------------------------------+----------
          -9 Missing |         0         0        0 |       168
     -1 Inapplicable |         0         0        0 |       468
   1 FREE-STANDING (DET |      14         1        8 |     5,483
   2 SINGLE HOUSE BUT A |       8         1       14 |       615
   3 MOBILE HOME OR TRA |       0         0        0 |       344
   4 MULTI-UNIT (2+) BU |       0         0        0 |     1,110
     91 OTHER (SPECIFY) |       0         0        0 |        57
---------------------+------------------------------------+----------
               Total |        22         2       22 |     8,245
```

341 //derived variable in waves 2, 3
342 tab dresistrct if wave==2, missing

```
     R2 D RESIDNCE PHYSICAL STRCTUR |    Freq.     Percent      Cum.
------------------------------------+----------------------------------
                  -1 Inapplicable |    1,019       14.40      14.40
 1 FREE-STANDING (DETACHED) SINGLE HOUSE |  4,315    60.99      75.39
 2 SINGLE HOUSE BUT ATTACHED TO OTHERS ( |   475     6.71      82.11
               3 MOBILE HOME OR TRAILER |     281     3.97      86.08
              4 MULTI-UNIT (2+) BUILDING |     916    12.95      99.02
                    91 OTHER (SPECIFY) |      69     0.98     100.00
------------------------------------+----------------------------------
                            Total |    7,075      100.00
```

343 //per user guide, need to fix this variable since incorrectly coded for 71 obs
344 replace dresistrct = newstrct if inlist(spadrsnew,1,3) & inlist(newstrct,1,2,3
  > ,4,91)
  (71 real changes made)

345
346 tab dresistrct if wave==3, missing

```
     R2 D RESIDNCE PHYSICAL STRCTUR |    Freq.     Percent      Cum.
------------------------------------+----------------------------------
                  -1 Inapplicable |     915       15.78      15.78
 1 FREE-STANDING (DETACHED) SINGLE HOUSE |  3,470    59.84      75.62
 2 SINGLE HOUSE BUT ATTACHED TO OTHERS ( |   383     6.60      82.22
               3 MOBILE HOME OR TRAILER |     234     4.04      86.26
              4 MULTI-UNIT (2+) BUILDING |     737    12.71      98.97
                    91 OTHER (SPECIFY) |      60     1.03     100.00
------------------------------------+----------------------------------
                            Total |    5,799      100.00
```

347
348 //housing type in each wave, however missing if same residence as prior wave
349 forvalues w=1/$w{
  2. tab placedesc if wave==`w', missing
  3. }

```
       R1 HT3 PLACE BEST DESCRIPTION |    Freq.     Percent      Cum.
------------------------------------+----------------------------------
                     -9 Missing |      168      2.04       2.04
                -1 Inapplicable |    1,979     24.00      26.04
              1 PRIVATE RESIDENCE |    6,037     73.22      99.26
 2 A GROUP HOME, BOARD AND CARE, OR SUP |   15     0.18      99.44
 3 ASSISTED LIVING FACILITY OR CONTINUI |   22     0.27      99.71
            4 RELIGIOUS GROUP QUARTERS |    2     0.02      99.73
                  91 OTHER (SPECIFY) |    22     0.27     100.00
------------------------------------+----------------------------------
                            Total |    8,245      100.00
```

R1 HT3 PLACE BEST DESCRIPTION	Freq.	Percent	Cum.
-9 Missing	190	2.69	2.69
-1 Inapplicable	6,718	94.95	97.64
1 PRIVATE RESIDENCE	150	2.12	99.76
2 A GROUP HOME, BOARD AND CARE, OR SUP	4	0.06	99.82
3 ASSISTED LIVING FACILITY OR CONTINUI	8	0.11	99.93
91 OTHER (SPECIFY)	5	0.07	100.00
Total	7,075	100.00	

R1 HT3 PLACE BEST DESCRIPTION	Freq.	Percent	Cum.
-9 Missing	179	3.09	3.09
-1 Inapplicable	5,489	94.65	97.74
1 PRIVATE RESIDENCE	118	2.03	99.78
2 A GROUP HOME, BOARD AND CARE, OR SUP	5	0.09	99.86
3 ASSISTED LIVING FACILITY OR CONTINUI	5	0.09	99.95
91 OTHER (SPECIFY)	3	0.05	100.00
Total	5,799	100.00	

R1 HT3 PLACE BEST DESCRIPTION	Freq.	Percent	Cum.
-9 Missing	156	3.29	3.29
-1 Inapplicable	4,465	94.26	97.55
1 PRIVATE RESIDENCE	108	2.28	99.83
2 A GROUP HOME, BOARD AND CARE, OR SUP	2	0.04	99.87
3 ASSISTED LIVING FACILITY OR CONTINUI	6	0.13	100.00
Total	4,737	100.00	

R1 HT3 PLACE BEST DESCRIPTION	Freq.	Percent	Cum.
-9 Missing	179	2.15	2.15
-1 Inapplicable	4,899	58.78	60.93
1 PRIVATE RESIDENCE	3,229	38.74	99.68
2 A GROUP HOME, BOARD AND CARE, OR SUP	14	0.17	99.84
3 ASSISTED LIVING FACILITY OR CONTINUI	7	0.08	99.93
4 RELIGIOUS GROUP QUARTERS	3	0.04	99.96
91 OTHER (SPECIFY)	3	0.04	100.00
Total	8,334	100.00	

R1 HT3 PLACE BEST DESCRIPTION	Freq.	Percent	Cum.
-9 Missing	177	2.43	2.43
-1 Inapplicable	6,938	95.35	97.79
1 PRIVATE RESIDENCE	145	1.99	99.78
2 A GROUP HOME, BOARD AND CARE, OR SUP	7	0.10	99.88
3 ASSISTED LIVING FACILITY OR CONTINUI	7	0.10	99.97
91 OTHER (SPECIFY)	2	0.03	100.00
Total	7,276	100.00	

R1 HT3 PLACE BEST DESCRIPTION	Freq.	Percent	Cum.
-9 Missing	158	2.50	2.50
-1 Inapplicable	5,961	94.44	96.94
1 PRIVATE RESIDENCE	181	2.87	99.81
2 A GROUP HOME, BOARD AND CARE, OR SUP	5	0.08	99.89
3 ASSISTED LIVING FACILITY OR CONTINUI	5	0.08	99.97
91 OTHER (SPECIFY)	2	0.03	100.00
Total	6,312	100.00	

```
350
351 //if missing housing type in waves 2,3, backfill with wave 1 info
352 //get indicators for moving in waves 2 or 3
353 tab dadrscorr if wave==2, missing
```

```
   R2 D RE4F ADDRESS SAME DIFF CORRECTED |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
                            -9 Missing |        190        2.69        2.69
                       -1 Inapplicable |        326        4.61        7.29
                    1 YES, SAME ADDRESS |      6,041       85.39       92.68
                2 NO, DIFFERENT ADDRESS |        470        6.64       99.32
3 YES, SAME ADDRESS WITH MINOR CORRECTI |         48        0.68      100.00
----------------------------------------+-----------------------------------
                                  Total |      7,075      100.00
```

```
354
355 gen moved=1 if dadrscorr==2 & wave==2
  (47,308 missing values generated)

356 replace moved=0 if (dadrscorr==1 | dadrscorr==3) & wave==2
  (6,089 real changes made)

357 tab moved
```

```
     moved |      Freq.     Percent        Cum.
-----------+-----------------------------------
         0 |      6,089       92.83       92.83
         1 |        470        7.17      100.00
-----------+-----------------------------------
     Total |      6,559      100.00
```

```
358
359 forvalues w=3/$w{
  2.   tab spadrsnew if wave==`w', missing
  3.   replace moved=1 if spadrsnew==2 & wave==`w'
  4.   replace moved=0 if (spadrsnew==1 | spadrsnew==3) & wave==`w'
  5.   tab moved
  6.   }
```

```
       R2 RE4F SP ADDRESS SAME OR DIFF |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
                            -9 Missing |        179        3.09        3.09
                       -1 Inapplicable |        213        3.67        6.76
                    1 YES, SAME ADDRESS |      5,022       86.60       93.36
                2 NO, DIFFERENT ADDRESS |        346        5.97       99.33
3 YES, SAME ADDRESS WITH MINOR CORRECTI |         39        0.67      100.00
----------------------------------------+-----------------------------------
                                  Total |      5,799      100.00
  (346 real changes made)
  (5,061 real changes made)
```

```
     moved |      Freq.     Percent        Cum.
-----------+-----------------------------------
         0 |     11,150       93.18       93.18
         1 |        816        6.82      100.00
-----------+-----------------------------------
     Total |     11,966      100.00
```

```
       R2 RE4F SP ADDRESS SAME OR DIFF |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
                            -9 Missing |        156        3.29        3.29
                       -1 Inapplicable |        140        2.96        6.25
                    1 YES, SAME ADDRESS |      4,082       86.17       92.42
                2 NO, DIFFERENT ADDRESS |        302        6.38       98.80
3 YES, SAME ADDRESS WITH MINOR CORRECTI |         57        1.20      100.00
----------------------------------------+-----------------------------------
                                  Total |      4,737      100.00
  (302 real changes made)
  (4,139 real changes made)
```

```
   moved |      Freq.      Percent       Cum.
---------+---------------------------------
     0 |    15,289        93.19       93.19
     1 |     1,118         6.81      100.00
---------+---------------------------------
   Total |    16,407       100.00
```

```
     R2 RE4F SP ADDRESS SAME OR DIFF |    Freq.      Percent       Cum.
------------------------------------+---------------------------------
                        -9 Missing |      126         1.51        1.51
                    -1 Inapplicable |    4,299        51.58       53.10
                1 YES, SAME ADDRESS |    3,655        43.86       96.95
            2 NO, DIFFERENT ADDRESS |      212         2.54       99.50
3 YES, SAME ADDRESS WITH MINOR CORRECTI |       42         0.50      100.00
------------------------------------+---------------------------------
                            Total |    8,334       100.00
```
(212 real changes made)
(3,697 real changes made)

```
   moved |      Freq.      Percent       Cum.
---------+---------------------------------
     0 |    18,986        93.45       93.45
     1 |     1,330         6.55      100.00
---------+---------------------------------
   Total |    20,316       100.00
```

```
     R2 RE4F SP ADDRESS SAME OR DIFF |    Freq.      Percent       Cum.
------------------------------------+---------------------------------
                        -9 Missing |      177         2.43        2.43
                    -1 Inapplicable |      216         2.97        5.40
                1 YES, SAME ADDRESS |    6,437        88.47       93.87
            2 NO, DIFFERENT ADDRESS |      378         5.20       99.07
3 YES, SAME ADDRESS WITH MINOR CORRECTI |       68         0.93      100.00
------------------------------------+---------------------------------
                            Total |    7,276       100.00
```
(378 real changes made)
(6,505 real changes made)

```
   moved |      Freq.      Percent       Cum.
---------+---------------------------------
     0 |    25,491        93.72       93.72
     1 |     1,708         6.28      100.00
---------+---------------------------------
   Total |    27,199       100.00
```

```
     R2 RE4F SP ADDRESS SAME OR DIFF |    Freq.      Percent       Cum.
------------------------------------+---------------------------------
                        -9 Missing |      158         2.50        2.50
                    -1 Inapplicable |      140         2.22        4.72
                1 YES, SAME ADDRESS |    5,507        87.25       91.97
            2 NO, DIFFERENT ADDRESS |      457         7.24       99.21
3 YES, SAME ADDRESS WITH MINOR CORRECTI |       50         0.79      100.00
------------------------------------+---------------------------------
                            Total |    6,312       100.00
```
(457 real changes made)
(5,557 real changes made)

```
   moved |      Freq.      Percent       Cum.
---------+---------------------------------
     0 |    31,048        93.48       93.48
     1 |     2,165         6.52      100.00
---------+---------------------------------
   Total |    33,213       100.00
```

```
360
361 gen ht_new=.
  (47,778 missing values generated)

362
363 forvalues w=1/$w{
   2. replace ht_new=placedesc if wave==`w'
   3. }
  (8,245 real changes made)
  (7,075 real changes made)
  (5,799 real changes made)
  (4,737 real changes made)
  (8,334 real changes made)
  (7,276 real changes made)
  (6,312 real changes made)

364
365 forvalues w=2/$w{
   2. replace ht_new=. if placedesc==-1 & moved==0 & wave==`w'
   3. }
  (6,089 real changes made, 6,089 to missing)
  (5,060 real changes made, 5,060 to missing)
  (4,139 real changes made, 4,139 to missing)
  (3,697 real changes made, 3,697 to missing)
  (6,505 real changes made, 6,505 to missing)
  (5,557 real changes made, 5,557 to missing)

366
367 tab ht_new wave, missing
```

| | | | Survey wave | | | |
ht_new	1	2	3	4	5	Total
-9	168	190	179	156	179	1,207
-1	1,979	629	429	326	1,202	5,402
1	6,037	150	118	108	3,229	9,968
2	15	4	5	2	14	52
3	22	8	5	6	7	60
4	2	0	0	0	3	5
91	22	5	3	0	3	37
.	0	6,089	5,060	4,139	3,697	31,047
Total	8,245	7,075	5,799	4,737	8,334	47,778

| | Survey wave | | |
ht_new	6	7	Total
-9	177	158	1,207
-1	433	404	5,402
1	145	181	9,968
2	7	5	52
3	7	5	60
4	0	0	5
91	2	2	37
.	6,505	5,557	31,047
Total	7,276	6,312	47,778

```
368
369 sort spid wave

370 by spid (wave): carryforward ht_new, replace
  ht_new:  (31047 real changes made)

371
372 tab ht_new wave, missing
```

| | | | Survey wave | | | |
ht_new	1	2	3	4	5	Total
-9	168	214	215	213	222	1,428
-1	1,979	1,861	1,507	1,175	1,974	11,806
1	6,037	4,943	4,019	3,298	6,076	34,129
2	15	15	17	14	26	135
3	22	21	20	23	21	154
4	2	2	2	2	5	22
91	22	19	19	12	10	104
Total	8,245	7,075	5,799	4,737	8,334	47,778

| | Survey wave | | |
ht_new	6	7	Total
-9	207	189	1,428
-1	1,772	1,538	11,806
1	5,231	4,525	34,129
2	25	23	135
3	25	22	154
4	5	4	22
91	11	11	104
Total	7,276	6,312	47,778

```
373
374 //most residence information from wave 1
375 //used derived variables wave 2,3
376 gen residence=.
  (47,778 missing values generated)

377 replace residence=resistrct if wave==1
  (8,245 real changes made)

378 forvalues w=2/$w{
    2. replace residence=dresistrct if wave==`w'
    3. }
  (7,075 real changes made)
  (5,799 real changes made)
  (4,737 real changes made)
  (8,334 real changes made)
  (7,276 real changes made)
  (6,312 real changes made)

379
380 replace residence=3 if inlist(residence,4,91)
  (6,986 real changes made)
```

```
381
382 tab residence wave

            |                       Survey wave
 residence |       1         2         3         4         5 |     Total
-----------+-------------------------------------------------+----------
       -9 |       168         0         0         0         0 |       168
       -1 |       468     1,019       915       428       760 |     5,202
        1 |     5,483     4,309     3,470     3,019     5,400 |    30,142
        2 |       615       483       383       342       618 |     3,422
        3 |     1,511     1,264     1,031       948     1,556 |     8,844
-----------+-------------------------------------------------+----------
    Total |     8,245     7,075     5,799     4,737     8,334 |    47,778


            |     Survey wave
 residence |       6         7 |     Total
-----------+--------------------+----------
       -9 |       0         0 |       168
       -1 |     866       746 |     5,202
        1 |   4,536     3,925 |    30,142
        2 |     521       460 |     3,422
        3 |   1,353     1,181 |     8,844
-----------+--------------------+----------
    Total |   7,276     6,312 |    47,778


383
384 //now overwrite with the new housing type description as done in orig code
385 replace residence=1 if ht_new==1
  (4,275 real changes made)

386 replace residence=2 if inlist(ht_new,2,3,4,91)
  (248 real changes made)

387 replace residence=. if inlist(residence,-9,-1)
  (4,314 real changes made, 4,314 to missing)

388 tab residence wave, missing

            |                       Survey wave
 residence |       1         2         3         4         5 |     Total
-----------+-------------------------------------------------+----------
        1 |     6,037     4,971     4,038     3,312     6,087 |    34,213
        2 |        61        76        73        66        72 |       488
        3 |     1,511     1,244     1,013       931     1,544 |     8,763
        . |       636       784       675       428       631 |     4,314
-----------+-------------------------------------------------+----------
    Total |     8,245     7,075     5,799     4,737     8,334 |    47,778


            |     Survey wave
 residence |       6         7 |     Total
-----------+--------------------+----------
        1 |   5,238     4,530 |    34,213
        2 |      74        66 |       488
        3 |   1,345     1,175 |     8,763
        . |     619       541 |     4,314
-----------+--------------------+----------
    Total |   7,276     6,312 |    47,778
```

```
389
390 label define residlbl 1 "Private Res." 2 "Group Home/Facility" ///
  >          3 "Mobile Home/Multi-Unit"

391 label values residence residlbl

392 forvalues w=1/$w{
  2. tab residence if wave==`w', missing
  3. }
```

residence	Freq.	Percent	Cum.
Private Res.	6,037	73.22	73.22
Group Home/Facility	61	0.74	73.96
Mobile Home/Multi-Unit	1,511	18.33	92.29
.	636	7.71	100.00
Total	8,245	100.00	

residence	Freq.	Percent	Cum.
Private Res.	4,971	70.26	70.26
Group Home/Facility	76	1.07	71.34
Mobile Home/Multi-Unit	1,244	17.58	88.92
.	784	11.08	100.00
Total	7,075	100.00	

residence	Freq.	Percent	Cum.
Private Res.	4,038	69.63	69.63
Group Home/Facility	73	1.26	70.89
Mobile Home/Multi-Unit	1,013	17.47	88.36
.	675	11.64	100.00
Total	5,799	100.00	

residence	Freq.	Percent	Cum.
Private Res.	3,312	69.92	69.92
Group Home/Facility	66	1.39	71.31
Mobile Home/Multi-Unit	931	19.65	90.96
.	428	9.04	100.00
Total	4,737	100.00	

residence	Freq.	Percent	Cum.
Private Res.	6,087	73.04	73.04
Group Home/Facility	72	0.86	73.90
Mobile Home/Multi-Unit	1,544	18.53	92.43
.	631	7.57	100.00
Total	8,334	100.00	

residence	Freq.	Percent	Cum.
Private Res.	5,238	71.99	71.99
Group Home/Facility	74	1.02	73.01
Mobile Home/Multi-Unit	1,345	18.49	91.49
.	619	8.51	100.00
Total	7,276	100.00	

```
        residence |      Freq.     Percent        Cum.
---------------------+---------------------------------
     Private Res. |      4,530       71.77       71.77
 Group Home/Facility |       66        1.05       72.81
Mobile Home/Multi-Unit |   1,175       18.62       91.43
               . |        541        8.57      100.00
---------------------+---------------------------------
           Total |      6,312      100.00
```

393
394
395 **
396 //living arrangement, NHATS derived variable
397 gen livearrang=.
   (47,778 missing values generated)

398 forvalues w=1/$w{
   2. tab dlvngarrg if wave==`w' & ivw_type==1, missing
   3. replace livearrang=dlvngarrg if wave==`w'
   4. replace livearrang=1 if (dlvngarrg==-9 & dhshldnum==1) & wave==`w'
   5. replace livearrang=-7 if dlvngarrg == -7 & wave == `w'
   6. replace livearrang=-8 if dlvngarrg == -8 & wave == `w'
   7. }

```
       R1 D LIVING ARRANGEMENT |      Freq.     Percent        Cum.
-----------------------------------+---------------------------------
                -9 Missing |         31        0.41        0.41
                   1 Alone |      2,474       32.51       32.92
2 With spouse/partner only [spouse/part |   3,050       40.08       73.01
 3 With spouse/partner and with others |      688        9.04       82.05
         4 With others only |      1,366       17.95      100.00
-----------------------------------+---------------------------------
                   Total |      7,609      100.00
```
(8,245 real changes made)
(31 real changes made)
(0 real changes made)
(0 real changes made)

```
       R1 D LIVING ARRANGEMENT |      Freq.     Percent        Cum.
-----------------------------------+---------------------------------
                   1 Alone |      1,972       32.56       32.56
2 With spouse/partner only [spouse/part |   2,285       37.73       70.29
 3 With spouse/partner and with others |      574        9.48       79.77
         4 With others only |      1,225       20.23      100.00
-----------------------------------+---------------------------------
                   Total |      6,056      100.00
```
(7,075 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)

```
       R1 D LIVING ARRANGEMENT |      Freq.     Percent        Cum.
-----------------------------------+---------------------------------
                   1 Alone |      1,757       35.97       35.97
2 With spouse/partner only [spouse/part |   1,754       35.91       71.89
 3 With spouse/partner and with others |      433        8.87       80.75
         4 With others only |        940       19.25      100.00
-----------------------------------+---------------------------------
                   Total |      4,884      100.00
```
(5,799 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)

```
             R1 D LIVING ARRANGEMENT |     Freq.      Percent        Cum.
------------------------------------+-----------------------------------
                           1 Alone  |     1,479        36.64        36.64
2 With spouse/partner only [spouse/part |  1,433        35.50        72.13
   3 With spouse/partner and with others |   354         8.77        80.90
                  4 With others only |      771        19.10       100.00
------------------------------------+-----------------------------------
                             Total  |     4,037       100.00
(4,737 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)


             R1 D LIVING ARRANGEMENT |     Freq.      Percent        Cum.
------------------------------------+-----------------------------------
                           1 Alone  |     2,620        34.58        34.58
2 With spouse/partner only [spouse/part |  2,884        38.07        72.65
   3 With spouse/partner and with others |   689         9.09        81.74
                  4 With others only |    1,383        18.26       100.00
------------------------------------+-----------------------------------
                             Total  |     7,576       100.00
(8,334 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)


             R1 D LIVING ARRANGEMENT |     Freq.      Percent        Cum.
------------------------------------+-----------------------------------
                           1 Alone  |     2,223        34.68        34.68
2 With spouse/partner only [spouse/part |  2,371        36.99        71.67
   3 With spouse/partner and with others |   604         9.42        81.09
                  4 With others only |    1,212        18.91       100.00
------------------------------------+-----------------------------------
                             Total  |     6,410       100.00
(7,276 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)


             R1 D LIVING ARRANGEMENT |     Freq.      Percent        Cum.
------------------------------------+-----------------------------------
                           1 Alone  |     1,945        34.94        34.94
2 With spouse/partner only [spouse/part |  2,051        36.85        71.79
   3 With spouse/partner and with others |   480         8.62        80.42
                  4 With others only |    1,090        19.58       100.00
------------------------------------+-----------------------------------
                             Total  |     5,566       100.00
(6,312 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)

399 replace livearrang=. if livearrang==-1
   (5,640 real changes made, 5,640 to missing)

400
401 la var livearrang "Living arrangmeent, categorical"

402 la def livearrang 1 "Alone" 2 "With spouse/partner" ///
  >        3"With spouse/partner + others" 4 "With others"
```

```
403 la val livearrang livearrang

404 tab livearrang wave if ivw_type==1, missing
```

| Living arrangmeent, | Survey wave | | | | |
categorical	1	2	3	4	Total
Alone	2,505	1,972	1,757	1,479	14,501
With spouse/partner	3,050	2,285	1,754	1,433	15,828
With spouse/partner +	688	574	433	354	3,822
With others	1,366	1,225	940	771	7,987
Total	7,609	6,056	4,884	4,037	42,138

| Living arrangmeent, | Survey wave | | | |
categorical	5	6	7	Total
Alone	2,620	2,223	1,945	14,501
With spouse/partner	2,884	2,371	2,051	15,828
With spouse/partner +	689	604	480	3,822
With others	1,383	1,212	1,090	7,987
Total	7,576	6,410	5,566	42,138

```
405
406 //live alone?
407 gen livealone=1 if livearrang==1
  (33,277 missing values generated)

408 replace livealone=0 if inlist(livearrang,2,3,4)
  (27,637 real changes made)

409 la var livealone "Lives alone"

410 tab livealone livearrang, missing
```

| Lives | Living arrangmeent, categorical | | | | |
alone	Alone	With spou	With spou	With othe	.	Total
0	0	15,828	3,822	7,987	0	27,637
1	14,501	0	0	0	0	14,501
.	0	0	0	0	5,640	5,640
Total	14,501	15,828	3,822	7,987	5,640	47,778

```
411
412 save round_1_${w}_cleanv1.dta, replace
  file round_1_7_cleanv1.dta saved

413 local ivars age female race_cat education  income_cat otherlang maritalstat //
  > /
  > medicaid medigap mc_partd tricare private_ltc moved ht_new ///
  > residence livearrang livealone

414
415 foreach v in `ivars'{
  2. tab `v'
  3. }
```

```
    Age at |
 interview |
  or death |      Freq.     Percent        Cum.
-----------+-----------------------------------
        -1 |      2,168        4.54        4.54
        65 |        117        0.24        4.78
        66 |        686        1.44        6.22
        67 |      1,111        2.33        8.54
        68 |      1,584        3.32       11.86
        69 |      1,707        3.57       15.43
        70 |      1,835        3.84       19.27
        71 |      1,910        4.00       23.27
        72 |      2,054        4.30       27.57
        73 |      1,925        4.03       31.60
        74 |      1,922        4.02       35.62
        75 |      1,776        3.72       39.34
        76 |      1,907        3.99       43.33
        77 |      1,862        3.90       47.23
        78 |      1,837        3.85       51.08
        79 |      1,803        3.77       54.85
        80 |      1,807        3.78       58.63
        81 |      1,827        3.82       62.46
        82 |      1,804        3.78       66.23
        83 |      1,784        3.73       69.97
        84 |      1,734        3.63       73.60
        85 |      1,599        3.35       76.94
        86 |      1,590        3.33       80.27
        87 |      1,395        2.92       83.19
        88 |      1,241        2.60       85.79
        89 |      1,134        2.37       88.16
        90 |        990        2.07       90.24
        91 |        918        1.92       92.16
        92 |        846        1.77       93.93
        93 |        740        1.55       95.48
        94 |        558        1.17       96.64
        95 |        473        0.99       97.63
        96 |        346        0.72       98.36
        97 |        255        0.53       98.89
        98 |        178        0.37       99.27
        99 |        118        0.25       99.51
       100 |         89        0.19       99.70
       101 |         58        0.12       99.82
       102 |         47        0.10       99.92
       103 |         20        0.04       99.96
       104 |          7        0.01       99.97
       105 |          3        0.01       99.98
       106 |          4        0.01       99.99
       107 |          3        0.01      100.00
       108 |          1        0.00      100.00
       109 |          1        0.00      100.00
-----------+-----------------------------------
     Total |     47,774      100.00

    Female |      Freq.     Percent        Cum.
-----------+-----------------------------------
      Male |     19,304       40.40       40.40
    Female |     28,474       59.60      100.00
-----------+-----------------------------------
     Total |     47,778      100.00

                  Race, categorical |      Freq.     Percent        Cum.
-----------------------------------+-----------------------------------
                             DKRF |        734        1.54        1.54
                   White Non-His |     33,137       69.36       70.89
                   Black Non-His |     10,020       20.97       91.86
Other (Am Indian/Asian/Nat. Hawaii) |      1,280        2.68       94.54
                        Hispanic |      2,607        5.46      100.00
-----------------------------------+-----------------------------------
                            Total |     47,778      100.00
```

```
    Education |
       level, |
   categorical |      Freq.       Percent         Cum.
---------------+---------------------------------------
  <High School |     10,724         24.33        24.33
High School/GED |     11,845         26.88        51.21
  Some College |     11,067         25.11        76.32
    >=Bachelors |     10,435         23.68       100.00
---------------+---------------------------------------
        Total |     44,071        100.00
```

```
   income_cat |      Freq.       Percent         Cum.
-------------+---------------------------------------
      <15000 |     10,062         22.48        22.48
   15-29,999 |     12,088         27.01        49.50
   30-59,999 |     11,817         26.41        75.90
      >60000 |     10,784         24.10       100.00
-------------+---------------------------------------
        Total |     44,751        100.00
```

```
       Speak |
    language |
  other than |
    English? |      Freq.       Percent         Cum.
-------------+---------------------------------------
         -8 |        225          0.51         0.51
         -7 |         16          0.04         0.55
          0 |     36,462         82.85        83.40
          1 |      7,308         16.60       100.00
-------------+---------------------------------------
        Total |     44,011        100.00
```

```
     Marital |
      status |      Freq.       Percent         Cum.
-------------+---------------------------------------
         -9 |      5,641         11.81        11.81
         DK |         10          0.02        11.83
     Refused |         10          0.02        11.85
     Married |     19,349         40.50        52.35
  Live w/Part |        822          1.72        54.07
   Separated |        707          1.48        55.55
    Divorced |      4,699          9.84        65.38
     Widowed |     14,860         31.10        96.48
Never Married |      1,680          3.52       100.00
-------------+---------------------------------------
        Total |     47,778        100.00
```

```
    Medicaid |      Freq.       Percent         Cum.
-------------+---------------------------------------
         -8 |      1,456          3.46         3.46
         -7 |         71          0.17         3.62
          0 |     34,121         80.97        84.60
          1 |      6,490         15.40       100.00
-------------+---------------------------------------
        Total |     42,138        100.00
```

```
     Medigap |      Freq.       Percent         Cum.
-------------+---------------------------------------
         -8 |      1,932          4.58         4.58
         -7 |         82          0.19         4.78
          0 |     14,644         34.75        39.53
          1 |     25,480         60.47       100.00
-------------+---------------------------------------
        Total |     42,138        100.00
```

```
   Medicare |
     Part D |      Freq.       Percent        Cum.
------------+-----------------------------------
         -8 |      2,559          6.07         6.07
         -7 |         80          0.19         6.26
          0 |     12,313         29.22        35.48
          1 |     27,186         64.52       100.00
------------+-----------------------------------
      Total |     42,138        100.00
```

```
  Tricare - |
   veterans |
  insurance |      Freq.       Percent        Cum.
------------+-----------------------------------
         -8 |      1,020          2.42         2.42
         -7 |         63          0.15         2.57
          0 |     38,587         91.57        94.14
          1 |      2,468          5.86       100.00
------------+-----------------------------------
      Total |     42,138        100.00
```

```
    Private |
    nursing |
       home |
  insurance |      Freq.       Percent        Cum.
------------+-----------------------------------
         -8 |      3,150          7.48         7.48
         -7 |         91          0.22         7.69
          0 |     30,138         71.52        79.21
          1 |      8,759         20.79       100.00
------------+-----------------------------------
      Total |     42,138        100.00
```

```
      moved |      Freq.       Percent        Cum.
------------+-----------------------------------
          0 |     31,048         93.48        93.48
          1 |      2,165          6.52       100.00
------------+-----------------------------------
      Total |     33,213        100.00
```

```
     ht_new |      Freq.       Percent        Cum.
------------+-----------------------------------
         -9 |      1,428          2.99         2.99
         -1 |     11,806         24.71        27.70
          1 |     34,129         71.43        99.13
          2 |        135          0.28        99.41
          3 |        154          0.32        99.74
          4 |         22          0.05        99.78
         91 |        104          0.22       100.00
------------+-----------------------------------
      Total |     47,778        100.00
```

```
           residence |      Freq.      Percent        Cum.
---------------------+-----------------------------------
        Private Res. |     34,213        78.72        78.72
  Group Home/Facility |        488         1.12        79.84
Mobile Home/Multi-Unit |      8,763        20.16       100.00
---------------------+-----------------------------------
               Total |     43,464       100.00
```

```
Living arrangmeent, |
         categorical |      Freq.      Percent        Cum.
-------------------------+-----------------------------------
              Alone |     14,501        34.41        34.41
 With spouse/partner |     15,828        37.56        71.98
With spouse/partner + others |      3,822         9.07        81.05
        With others |      7,987        18.95       100.00
-------------------------+-----------------------------------
              Total |     42,138       100.00
```

```
     Lives alone |      Freq.      Percent       Cum.
    -------------+-----------------------------------
            0 |      27,637        65.59        65.59
            1 |      14,501        34.41       100.00
    -------------+-----------------------------------
         Total |      42,138       100.00
```

416
417 **
418 log close
        name: <unnamed>
         log: E:\nhats\nhats_code\NHATS data setup\logs\/2-r12_cleaning_1_19_Apr_
    > 2019.smcl
    log type: text
   closed on: 19 Apr 2019, 16:26:20