



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\2-r12_cleaning_1_18_Apr_
> 2019.smcl
      log type: text
      opened on: 18 Apr 2019, 13:07:36

```

```

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

```

ivw_type	Survey wave				Total
	1	2	3	4	
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

ivw_type	Survey wave			Total
	5	6	7	
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			Total
STATUS	11 Ready	20 Final	24 Not Re	
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 rlspsstat if wave==1, missing

R1 D RESIDENTIAL CARE STATUS	R1 SUBJECT PERSON INTRVW STAT 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 rlspsstat==20 & wave==1
(40,169 missing values generated)

35. replace sp_ivw_yes=0 if inlist(rlspsstat,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 STATUS	R2 SUBJECT PERSON INTRVW STAT 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 STATUS	R3 SUBJECT PERSON INTRVW STAT 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 STATUS	R4 SUBJECT PERSON INTRVW STAT 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	Survey wave					
interview						
conducted?						
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	Survey wave		
interview			
conducted?			
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	LWL interview? yes=1		Total
interview?	0	1	
conducted?			
yes=1	0	1	
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	Survey wave					Total
interview?	1	2	3	4	5	
yes=1						
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	Survey wave		Total
interview?	6	7	
yes=1			
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				Total
OUTSIDE	60 Comple	61 Comple	62 Comple	63 Comple	
-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

R1 MO1 OFTEN GO OUTSIDE	R2 OVERALL CASE STATUS 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 OUTSIDE	60 Comple	R3 OVERALL CASE STATUS 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

R1 MO1 OFTEN GO OUTSIDE	R3 OVERALL CASE STATUS 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	Survey wave					Total
	1	2	3	4	5	
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		Total
	6	7	
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	Survey wave					Total
	1	2	3	4	5	
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		Total
	6	7	
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	Survey wave					Total
	2	3	4	5	6	
1	503	523	404	296	486	2,671
Total	503	523	404	296	486	2,671

Interview via proxy	Survey wave	Total
	7	
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 = Don't 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
```

How often go outside	SP interview conducted? yes=1		Total
	0	1	
-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
```

How often go outside	SP interview conducted? yes=1		Total
	0	1	
-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
```

How often go outside	SP interview conducted? yes=1		Total
	0	1	
-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					Total
	1	2	3	4	5	
-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		Total
	6	7	
-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?				Total
	-8	-7	0	1	
-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?				Total
YOURSELF	-8	-7	0	1	
-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

R1 MO7 LEFT BY	Anyone ever help you leave 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?				Total
YOURSELF	-8	-7	0	1	
-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

R1 MO7 LEFT BY	Anyone ever help you leave 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 YOURSELF	Anyone ever help you leave home?				Total
	-8	0	1	.	
-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 YOURSELF	Anyone ever help you leave home?				Total
	-8	-7	0	1	
-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

R1 MO7 LEFT BY YOURSELF	Anyone ever help you leave home?		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 YOURSELF	Anyone ever help you leave home?				Total
	-8	-7	0	1	
-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

R1 MO7 LEFT BY YOURSELF	Anyone ever help you leave home?		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

R1 MO7 LEFT BY		Anyone ever help you leave 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, left by yourself?	Survey wave			Total
	5	6	7	
-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 with help	Survey wave					Total
	1	2	3	4	5	
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 with help	Survey wave		Total
	6	7	
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					Total
	1	2	3	4	5	
-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

Independent	Survey wave					
tly leaves						
home	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

Independent	Survey wave		
tly leaves			
home	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

Independent	Either needs help or has difficulty going outside			
tly leaves				
home	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, categorical	Survey wave				Total
	1	2	3	4	
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, categorical	Survey wave			Total
	5	6	7	
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 homebound 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	Survey wave					Total
	1	2	3	4	5	
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		Total
	6	7	
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	Survey wave					Total
	1	2	3	4	5	
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		Total
	6	7	
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
75%             84          Largest 102   Mean          78.3698
90%             90          103   Std. Dev.     8.187231
95%             92          105   Variance      67.03075
99%             97          106   Skewness      .3186162
                                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
75%             85          Largest 103   Mean          73.49385
90%             90          103   Std. Dev.     22.01883
95%             93          106   Variance      484.8287
99%             97          107   Skewness      -2.627003
                                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
75%             85          Largest 103   Mean          72.61976
90%             90          103   Std. Dev.     24.35733
95%             93          104   Variance      593.2795
99%             98          104   Skewness      -2.372214
                                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          Largest      Mean          73.64049
75%          86          103          Std. Dev.      23.94829
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          Largest      Mean          75.91661
75%             84          103          Std. Dev.      16.76712
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          Largest      Mean          74.06308
75%             85          104          Std. Dev.      21.50473
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          Largest      Mean          74.06179
75%             85          104          Std. Dev.      22.28213
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 & r2dintvwage==-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 1,5
193 gen female=.
    (47,778 missing values generated)

```

```

194 replace female=1 if dgender==2
    (9,852 real changes made)

```

```

195 replace female=0 if dgender==1
    (6,727 real changes made)

```

```

196
197 la var female "Female"

```

```

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

```

```

199 la val female female

```

```

200 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	

```

201 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	

```

202
203 //race, ethnicity
204 gen race_cat=dracehisp
    (31,199 missing values generated)

```

```

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

```

```

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

```

```

207 label values race_cat race

```

208 la var race_cat "Race, categorical"

209 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	

210

211 //education

212 generate education=.

(47,778 missing values generated)

213 replace education=1 if inlist(higstschl,1,2,3)

(2,845 real changes made)

214 replace education=2 if higstschl==4

(3,119 real changes made)

215 replace education=3 if inlist(higstschl,5,6,7)

(2,855 real changes made)

216 replace education=4 if inlist(higstschl,8,9)

(2,486 real changes made)

217

218 la var education "Education level, categorical"

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

220 label values education edulbl

221 tab education higstschl if wave==1, missing

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

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

Education level, categorical	R1 EL10 5 VOCATI	HGHST 6 SOME C	DGREE 7 ASSOCI	SCOO L 8 BACHEL	COMPLD	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 SCOO L 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

222

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

224

```
225 //income, just wave 1, reported every other wave
```

```
226 sum toinc 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

227

```
228 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
75%            50000      Largest
90%            85000      5000000
95%           125000      5000000      Variance          3.05e+10
99%           280000      5700000      Skewness          22.64232
(7,609 real changes made)      Kurtosis          610.7911
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
75%            50000      Largest
90%            90000      600000
95%           120000      700000      Variance          7.95e+10
99%           250000      1000000      Skewness          42.24874
(1,995 real changes made)      Kurtosis          1849.981
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
75%            55627.5      Largest
90%            100000      1000000
95%            140000      1400000      Variance          1.92e+11
99%            350000      2.50e+07      Skewness          55.19802
(3,340 real changes made)      Kurtosis          3138.764
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
75%	65000	Largest	Std. Dev.	1353578
90%	110000	5000000		
95%	153000	5000000	Variance	1.83e+12
99%	380000	9999999	Skewness	72.38774
		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
75%	50000	Largest	Std. Dev.	163813.4
90%	85000	5000000		
95%	124000	5000000	Variance	2.68e+10
99%	280000	5700000	Skewness	24.37988
		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
75%	50000	Largest	Std. Dev.	178641.3
90%	90000	700000		
95%	120000	1000000	Variance	3.19e+10
99%	275000	1500000	Skewness	36.86894
		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
75%	55000	Largest	Std. Dev.	473369.3
90%	100000	1200000		
95%	140000	1500000	Variance	2.24e+11
99%	324000	1.05e+07	Skewness	47.05424
		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

75%             65000      Largest
90%            109000      5000000
95%            150000      9999999   Variance      3.62e+12
99%            366000      1.00e+08   Skewness     51.97872
(5,566 real changes made)   Kurtosis     2726.439
(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

75%             50000      Largest
90%            85000      5000000
95%            120000      5700000   Variance      3.04e+10
99%            260000      5700000   Skewness     22.81822
(7,609 real changes made)   Kurtosis     618.2839
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

75%             50000      Largest
90%            90000      1000000
95%            120000      1200000   Variance      3.57e+10
99%            250000      3000000   Skewness     32.89802
(1,995 real changes made)   Kurtosis     1243.036
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
75%	55000	Largest	Std. Dev.	73053.08
90%	100000	800000		
95%	141000	1000000	Variance	5.34e+09
99%	315000	1200000	Skewness	7.284459
		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
75%	65000	Largest	Std. Dev.	1902950
90%	110000	5000000		
95%	150000	9999999	Variance	3.62e+12
99%	366000	1.00e+08	Skewness	52.04053
		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
75%	50000	Largest	Std. Dev.	173745.9
90%	85000	5000000		
95%	125000	5000000	Variance	3.02e+10
99%	280000	5700000	Skewness	23.20914
		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
75%	50000	Largest	Std. Dev.	179057.9
90%	90000	700000		
95%	120000	1000000	Variance	3.21e+10
99%	300000	1500000	Skewness	36.63096
		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

75%            55000      Largest
90%           100000      1400000
95%           140000      1400000   Variance          6.92e+09
99%           340000      1500000   Skewness          8.931731
(3,340 real changes made)   Kurtosis          120.3207
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

75%            65000      Largest
90%           110000      9999999
95%           152000      9999999   Variance          3.64e+12
99%           350000      1.00e+08   Skewness          51.73634
(5,566 real changes made)   Kurtosis          2708.096
(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

75%           50000      Largest
90%           86000      5000000
95%          126000      5000000   Variance          3.11e+10
99%          265000      5700000   Skewness          22.54756
(7,609 real changes made)   Kurtosis          604.0381
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
75%	50000	Largest	Std. Dev.	65365.31
90%	90000	600000		
95%	121000	700000	Variance	4.27e+09
99%	290000	1000000	Skewness	9.542474
		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
75%	55000	Largest	Std. Dev.	472496
90%	98500	1200000		
95%	135500	1400000	Variance	2.23e+11
99%	300000	1.05e+07	Skewness	47.32019
		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
75%	65000	Largest	Std. Dev.	1352336
90%	108000	5000000		
95%	150000	5000000	Variance	1.83e+12
99%	341452	9999999	Skewness	72.59015
		1.00e+08	Kurtosis	5357.967

(5,566 real changes made)

229

230

```
231 egen aveincome=rowmean(imputed_inc1-imputed_inc5)
    (29268 missing values generated)
```

```
232 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)
```

233

234 sort spid wave

```

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

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

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

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

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

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

242 label values income_cat income_cat

243 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	

```

244
245 //speak language other than english? Asked when new cohort
246 gen otherlang=spkothlan if wave==1
    (39,533 missing values generated)

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

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

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

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

251 tab otherlang wave, missing

```

Speak language other than English?	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

[illegible]

```

264 notes female: dgender
265 notes female: Gender variable only asked in wave 1 & 5.
266 notes race_cat: dracehisp
267 notes race_cat: Race and Hispanic ethnicity only asked in wave 1 & 5.
268 notes education: higstschl
269 notes education: Highest degree/ level of schooling only asked in wave 1 & 5.
270 notes educ_hs_ind: higstschl
271 notes educ_hs_ind: Indicator having HS+
272 forvalues i=1/5{
    2. notes imputed_inc`i': toincim`i'
    3. notes imputed_inc`i': Imputed income
    4. notes imputed_inc`i': Located in NHATS Setup, under Part 3.
    5. notes imputed_inc`i': Updated: 04/18/19-MH
    6. }
273 notes aveincome: imputed_inc1-imputed_inc5
274 notes aveincome: Took mean of imputed income. Not done for wave 2.
275 notes income_cat: aveincome imputed_inc1-imputed_inc5
276 notes income_cat: Make income categories.
277 notes otherlang: spkothlan condspanh
278 notes otherlang: Speak other language than English; Interview being conducted
    > in Spanish.
279
280 foreach x in female race_cat education income_cat otherlang {
    2. notes `x': Located in NHATS Setup, under Part 3.
    3. notes `x': Updated: 04/18/19-MH
    4. }
281
282 gen white=race_cat==1
283 gen black=race_cat==2
284 gen hisp=race_cat==4
285 gen other_race=race_cat==3
286 label var white "White Non-Hisp"
287 label var black "Black Non-Hisp"
288 label var hisp "Hispanic"
289 label var other_race "Other race/ethnicity"
290 //merge white & other for reportability

```

```

291 gen whiteoth=white | other_race if !missing(white) & !missing(other_r)
292 label var whiteoth "White Non-Hispanic or other"
293
294 //marital status
295 //wave 2,3, use derived variable which is populated if not asked b/c no change
>
296 gen maritalstat=maritalstat if wave==1
(39,533 missing values generated)
297 replace maritalstat=dmrstat if wave!=1
(39,533 real changes made)
298 replace maritalstat=-9 if inlist(maritalstat,-9, -1)
(5,473 real changes made)
299
300
301
302 la var maritalstat "Marital status"
303 label define maritalbl 1 "Married" 2 "Live w/Part" 3 "Separated" ///
> 4 "Divorced" 5 "Widowed" 6 "Never Married" -7 "Refused" -8 "DK"
304 la val maritalstat maritalbl
305 tab maritalstat wave, missing

```

Marital status	Survey wave				Total
	1	2	3	4	
-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			Total
	5	6	7	
-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


```

306
307
308 *****
309 *****
310 //Insurance coverage
311 *****
312 *****
313 //medicaid status
314 gen medicaid=.
    (47,778 missing values generated)

315 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)				

316 la var medicaid "Medicaid"

317 tab medicaid wave,missing

Medicaid	Survey wave					Total
	1	2	3	4	5	
-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

Medicaid	Survey wave		Total
	6	7	
-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

318 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	

319 //medigap status

320 gen medigap=.

(47,778 missing values generated)

321 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)				

322 la var medigap "Medigap"

323 tab medigap wave, missing

Medigap	Survey wave					Total
	1	2	3	4	5	
-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

Medigap	Survey wave		Total
	6	7	
-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

```

324
325 //medicare part d
326 gen mc_partd=.
    (47,778 missing values generated)
327 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)				

328 la var mc_partd "Medicare Part D"

329 tab mc_partd wave,missing

Medicare Part D	Survey wave					Total
	1	2	3	4	5	
-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 Part D	Survey wave		Total
	6	7	
-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

330

331 //tricare - va insurance

332 gen triccare=.

(47,778 missing values generated)

333 forvalues w=1/\$w{

2. tab covtricar if wave==`w' , missing

3. replace triccare=1 if covtricar==1 & wave==`w'

4. replace triccare=0 if covtricar==2 & wave==`w'

5. replace triccare=-7 if covtricar==7 & wave==`w'

6. replace triccare=-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)

334 la var tricare "Tricare - veterans insurance"

335 tab tricare wave,missing

Tricare - veterans 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 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

336

337 //long term care nursing home insurance, private

338 gen private_ltc=.

(47,778 missing values generated)

339 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)			

340 la var private_ltc "Private nursing home insurance"

341 tab private_ltc wave,missing

Private nursing home insurance	Survey wave					Total
	1	2	3	4	5	
-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 insurance	Survey wave		Total
	6	7	
-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

```

342
343 //if report nh insurance in prev wave, asked to verify still have it curr wave
344 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)

345 tab private_ltc wave,missing

Private nursing home 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 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

```

346
347 *****
348 *****
349 //Residence information
350 *****
351 *****
352 //residence physical structure variable only in wave 1
353 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	

```

354 tab resistrct placedesc if wave==1, missing

```

R1 RE1 RESIDNCE PHYSICAL STRCTUR	R1 HT3 PLACE BEST DESCRIPTION -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 PHYSICAL STRCTUR	R1 HT3 PLACE BEST DESCRIPTION 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

```

355 //derived variable in waves 2, 3
356 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	

```

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

```

```

359
360 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	

```

361
362 //housing type in each wave, however missing if same residence as prior wave
363 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	

364

365 //if missing housing type in waves 2,3, backfill with wave 1 info

366 //get indicators for moving in waves 2 or 3

367 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	

368

369 gen moved=1 if dadrscorr==2 & wave==2
(47,308 missing values generated)370 replace moved=0 if (dadrscorr==1 | dadrscorr==3) & wave==2
(6,089 real changes made)

371 tab moved

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

372

```

373 forvalues w=3/$w{
    2. tab spadsrnew if wave==`w', missing
    3. replace moved=1 if spadsrnew==2 & wave==`w'
    4. replace moved=0 if (spadsrnew==1 | spadsrnew==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	

374

375 gen ht_new=.

(47,778 missing values generated)

376

377 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)

378

379 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)

380

381 tab ht_new wave, missing

ht_new	Survey wave					Total
	1	2	3	4	5	
-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

ht_new	Survey wave		Total
	6	7	
-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

382

383 sort spid wave

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

385

386 tab ht_new wave, missing

ht_new	Survey wave					Total
	1	2	3	4	5	
-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

ht_new	Survey wave		Total
	6	7	
-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

```

387
388 //most residence information from wave 1
389 //used derived variables wave 2,3
390 gen residence=.
    (47,778 missing values generated)

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

392 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)

393
394 replace residence=3 if inlist(residence,4,91)
    (6,986 real changes made)

395
396 tab residence wave

```

residence	Survey wave					Total
	1	2	3	4	5	
-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

residence	Survey wave		Total
	6	7	
-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

```

397
398 //now overwrite with the new housing type description as done in orig code
399 replace residence=1 if ht_new==1
    (4,275 real changes made)

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

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

```

402 tab residence wave, missing

residence	Survey wave					Total
	1	2	3	4	5	
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

residence	Survey wave		Total
	6	7	
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

403

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

405 label values residence residlbl

```
406 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	

407

408

409 *****

410 //living arrangement, NHATS derived variable

411 gen livearrang=.

(47,778 missing values generated)

412 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)


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

```
414
```

```
415 la var livearrang "Living arrangmeent, categorical"
```

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

```
417 la val livearrang livearrang
```

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

Living arrangmeent, categorical	Survey wave				Total
	1	2	3	4	
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, categorical	Survey wave			Total
	5	6	7	
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

```
419
```

```
420 //live alone?
```

```
421 gen livealone=1 if livearrang==1
    (33,277 missing values generated)
```

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

```
423 la var livealone "Lives alone"
```

```
424 tab livealone livearrang, missing
```

Lives alone	Living arrangmeent, categorical				.	Total
	Alone	With spou	With spou	With othe		
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

```
425
```

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

```

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

```

```

428
429 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	

430

431 *****

432 log close

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