

(8,245 real changes made)

```
name: <unnamed>
        log: E:\nhats\nhats code\NHATS data setup\logs\/3 nhats cleaning 4 Apr
  > 2019.smcl
  log type: text opened on: 4 Apr 2019, 13:16:37
1 .
3.
 . cd "${work}"
 E:\nhats\data\NHATS working data
 **********
8 . use round_1_${w}_cleanv1.dta, clear
11. tab wave, missing
 Survey wave |
                   Freq.
                             Percent
           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
13. *************
14. ************
15. //self reported health status/conditions
16. **************
17. *************
18. gen srh=.
  (47,778 missing values generated)
19. forvalues w=1/$w{}
    2. tab health if wave==`w', missing
    3. replace srh=health if wave==`w'
  R1 HC1 OVERALL |
         HEALTH |
       CONDITION | Freq. Percent Cum.
  _____
     -9 Missing | 168 2.04 2.04

-8 DK | 6 0.07 2.11

Inapplicable | 468 5.68 7.79

1 EXCELLENT | 938 11.38 19.16

2 VERY GOOD | 2,029 24.61 43.77

3 GOOD | 2,426 29.42 73.20

4 FAIR | 1,607 19.49 92.69

5 POOR | 603 7.31 100.00
  -1 Inapplicable |
       Total | 8,245 100.00
```

R1 HC1 OVERALL HEALTH CONDITION	 Freq.	Percent	Cum.
-9 Missing -8 DK -1 Inapplicable 1 EXCELLENT 2 VERY GOOD 3 GOOD 4 FAIR 5 POOR	829 698 1,709 2,000 1,220	2.69 0.08 11.72 9.87 24.16 28.27 17.24 5.98	2.69 2.77 14.49 24.35 48.51 76.78 94.02 100.00
Total (7,075 real change	,	100.00	
R1 HC1 OVERALL HEALTH CONDITION		Percent	Cum.
-9 Missing -8 DK -1 Inapplicable 1 EXCELLENT 2 VERY GOOD 3 GOOD 4 FAIR 5 POOR	2 736 522 1,411 1,658 985	3.09 0.03 12.69 9.00 24.33 28.59 16.99 5.28	3.09 3.12 15.81 24.81 49.15 77.74 94.72 100.00
Total (5,799 real change		100.00	
R1 HC1 OVERALL HEALTH CONDITION		Percent	Cum.
-9 Missing -8 DK -7 RF -1 Inapplicable 1 EXCELLENT 2 VERY GOOD 3 GOOD 4 FAIR 5 POOR	3 1 544 406 1,225 1,379	3.29 0.06 0.02 11.48 8.57 25.86 29.11 16.32 5.28	3.29 3.38 3.38 14.86 23.43 49.29 78.40 94.72 100.00
Total (4,737 real change		100.00	
R1 HC1 OVERALL HEALTH CONDITION	 Freq.	Percent	Cum.
-9 Missing -8 DK -1 Inapplicable 1 EXCELLENT 2 VERY GOOD 3 GOOD 4 FAIR 5 POOR	179 8 579 855 2,116 2,593 1,550 454	2.15 0.10 6.95 10.26 25.39 31.11 18.60 5.45	2.15 2.24 9.19 19.45 44.84 75.95 94.55
Total (8,334 real change	8,334 ges made)	100.00	

R1 HC1 OVERALL HEALTH CONDITION	 Freq.	Percent	Cum.
-9 Missing -8 DK -7 RF -1 Inapplicable 1 EXCELLENT 2 VERY GOOD 3 GOOD 4 FAIR 5 POOR	177 3 1 689 688 1,867 2,225 1,275 351	2.43 0.04 0.01 9.47 9.46 25.66 30.58 17.52 4.82	2.43 2.47 2.49 11.96 21.41 47.07 77.65 95.18 100.00
Total	7,276	100.00	

(7,276 real changes made)

R1 HC1 OVERALL HEALTH CONDITION	 Freq.	Percent	Cum.
-9 Missing -8 DK -1 Inapplicable 1 EXCELLENT 2 VERY GOOD 3 GOOD 4 FAIR 5 POOR	158 3 588 550 1,636 2,013 1,040 324	2.50 0.05 9.32 8.71 25.92 31.89 16.48 5.13	2.50 2.55 11.87 20.58 46.50 78.39 94.87 100.00
Total	6,312	100.00	

(6,312 real changes made)

- 20. replace srh=. if inlist(srh,-9,-1)
 (5,640 real changes made, 5,640 to missing)
- 21.
 22. la var srh "Self reported health, categorical"
- 23. la def srh 1 "Excellent" 2 "Very good" 3 "Good" 4 "Fair" 5 "Poor"
- 24. la val srh srh
- 25. tab srh if ivw_type==1, missing

Self reported health, categorical	 Freq.	Percent	Cum.
-8 -7 Excellent Very good Good Fair Poor	31 2 4,657 11,993 14,294 8,450 2,711	0.07 0.00 11.05 28.46 33.92 20.05 6.43	0.07 0.08 11.13 39.59 73.51 93.57
Total	42,138	100.00	

```
26.
27. gen srh_fp=1 if srh==4 | srh==5 (36,617 missing values generated)
28. replace srh fp=0 if inlist(srh.
```

- 28. replace srh_fp=0 if inlist(srh,1,2,3)
 (30,944 real changes made)
- 29. replace srh_fp=-7 if srh == -7
 (2 real changes made)
- 30. replace srh_fp=-8 if srh == -8
 (31 real changes made)
- 31. la var srh fp "Self reported health=fair/poor"
- 32. tab srh fp srh, missing

Self reported health=fai r/poor	 -8			categorical Very good	Good	Total
-8 -7 0 1	31 0 0 0 0 0	0 2 0 0	0 0 4,657 0 0	0 0 11,993 0 0	0 0 14,294 0	31 2 30,944 11,161 5,640
Total	31	2	4,657	11,993	14,294	47,778

Self reported health=fai r/poor	Self	reported he categorical		Total
-8 -7 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 2,711 0	0 0 0 0 5,640	31 2 30,944 11,161 5,640
Total	8,450	2 , 711	5 , 640	47,778

```
34. *************
35. //Self-Report Disease
36. *******************
37. //Round 1 - ever told you had xx
38. //Round 2 - since the last interview, new condition?
39. /*
 > 1 heart attack
 > 2 heart disease
 > 3 high blood pressure
 > 4 arthritis
 > 5 osteoporosis
 > 6 diabetes
 > 7 lung disease
 > 8 stroke
 > 9 dementia
 > 10 cancer
 > create two sets of indicator variables for waves 2 and later
 > sr disease ever = 1 if ever report having the disease (only this variable in w
 > ave^{-1}
 > sr_disease_new = 1 if newly reported the disease this wave
```

(8,514 real changes made)

```
40.
41. //heart attack / ami, asked both waves, for Wave 1 ask ever had, wave 2 ask in
     last year
42. //same questions for stroke, cancer
43.
44. capture program drop disease
45. program define disease
                args dis num
    1.
    2.
             gen sr_`dis'_raw=.
    forvalues w=1/$w{
46.
                          replace sr_`dis'_raw=1 if disescn`num'==1 & wave==`w'
replace sr_`dis'_raw=0 if disescn`num'==2 & wave==`w'
replace sr_`dis'_raw=-7 if disescn`num'==-7 & wave==`w'
    4.
    5.
    6.
                          replace sr `dis' raw=-8 if disescn`num'==-8 & wave==`w'
    7.
    8.
    9.
                 //create two new variables from this...
             gen sr_`dis'_ever=sr_`dis'_raw
  replace sr_`dis'_ever=. if inrange(wave, 2, $w) & sr_`dis'_raw==0 /
47.
   10.
  > /set to missing if report no new wave
                replace sr_`dis'_ever=-7 if sr_`dis'_raw == -7 replace sr_`dis'_ever=-8 if sr_`dis'_raw == -8
   11.
   12.
   13.
48.
              sort spid wave
   14.
                by spid (wave): carryforward sr `dis' ever if ivw type==1 , replace
   15.
  replace sr_`dis'_ever = sr_`dis'_raw if inrange(wave,2,$w) & sr_`dis'_
> ever == . & sr_`dis'_raw != .
   16.
50.
             gen sr_`dis'_new=sr_`dis'_raw if inrange(wave,2,$w)
   17.
51.
             end
53. //now run programs for specific disease variables
54. disease ami 1
  (47,778 missing values generated)
  (1,164 real changes made)
  (6,437 real changes made)
  (0 real changes made)
  (8 real changes made)
  (178 real changes made)
  (5,875 real changes made)
  (0 real changes made)
  (3 real changes made)
  (141 real changes made)
  (4,735 real changes made)
  (1 real change made)
  (7 real changes made)
  (114 real changes made)
  (3,917 real changes made)
  (0 real changes made)
  (6 real changes made)
  (622 real changes made)
  (6,936 real changes made)
  (0 real changes made)
  (18 real changes made)
  (160 real changes made)
  (6,243 real changes made)
  (0 real changes made)
  (7 real changes made)
  (150 real changes made)
  (5,407 real changes made)
  (0 real changes made)
  (9 real changes made)
  (5,640 missing values generated)
  (33,113 real changes made, 33,113 to missing)
  (0 real changes made)
  (0 real changes made)
  sr_ami_ever: (24599 real changes made)
```

```
(13,249 missing values generated)
55. disease stroke 8
  (47,778 missing values generated)
  (892 real changes made)
  (6,709 real changes made)
  (0 real changes made)
  (8 real changes made)
  (178 real changes made)
  (5,871 real changes made)
  (0 real changes made)
  (7 real changes made)
  (151 real changes made)
  (4,727 real changes made)
  (1 real change made)
  (5 real changes made)
  (133 real changes made)
  (3,897 real changes made)
  (0 real changes made)
  (7 real changes made)
  (476 real changes made)
  (7,083 real changes made)
  (0 real changes made)
  (17 real changes made)
  (165 real changes made)
  (6,233 real changes made)
  (0 real changes made)
  (12 real changes made)
  (158 real changes made)
  (5,404 real changes made)
  (0 real changes made)
  (4 real changes made)
  (5,640 missing values generated)
  (33,215 real changes made, 33,215 to missing)
  (0 real changes made)
  (0 real changes made)
  sr_stroke_ever: (24243 real changes made)
  (8,972 \text{ real changes made})
  (13,249 missing values generated)
56. disease cancer 10
  (47,778 missing values generated)
  (1,953 real changes made)
  (5,653 real changes made)
  (1 real change made)
  (2 real changes made)
  (355 real changes made)
  (5,694 real changes made)
  (0 real changes made)
  (7 real changes made)
  (275 real changes made)
  (4,602 real changes made)
  (1 real change made)
  (6 real changes made)
  (240 real changes made)
  (3,792 real changes made)
  (0 real changes made)
  (5 real changes made)
  (1,183 real changes made)
  (6,386 real changes made)
  (1 real change made)
  (6 real changes made)
  (375 real changes made)
  (6,031 real changes made)
  (0 real changes made)
  (4 real changes made)
  (369 real changes made)
  (5,190 real changes made)
  (0 real changes made)
  (7 real changes made)
  (5,640 missing values generated)
  (31,695 real changes made, 31,695 to missing)
```

(0 real changes made)

```
(0 real changes made)
  (0 real changes made)
  sr_cancer_ever: (24273 real changes made)
  (7,422 \text{ real changes made})
  (13,249 missing values generated)
58. la var sr ami raw "Self report Heart Attack, Raw"
59. la var sr_ami_ever "Ever Self report Heart Attack"
60. la var sr ami new "Self report Heart Attack since prev year"
61. la var sr stroke raw "Self report Stroke, Raw"
62. la var sr stroke ever "Ever Self report Stroke"
63. la var sr_stroke_new "Self report Stroke since prev year"
64. la var sr cancer raw "Self report Cancer, Raw"
65. la var sr cancer ever "Ever Self report Cancer"
66. la var sr cancer new "Self report Cancer since prev year"
67.
68. //same question pattern, different variable name though, for hip fracture
69. gen sr hip raw=.
  (47,778 missing values generated)
70. forvalues w=1/\$w{
               replace sr hip raw=1 if brokebon1==1 & wave==`w'
    2.
    3.
               replace sr hip raw=0 if brokebon1==2 & wave==`w'
               replace sr_hip_raw = -7 if brokebon1==-7 & wave==`w' replace sr_hip_raw = -8 if brokebon1==-8 & wave==`w'
    4.
    5.
  (379 real changes made)
  (7,226 real changes made)
  (0 real changes made)
  (4 real changes made)
  (78 real changes made)
  (5,976 real changes made)
  (0 real changes made)
  (2 real changes made)
  (86 real changes made)
  (4,795 real changes made)
  (1 real change made)
  (2 real changes made)
  (57 real changes made)
  (3,979 real changes made)
  (0 real changes made)
  (1 real change made)
  (223 real changes made)
  (7,350 real changes made)
  (0 real changes made)
  (3 real changes made)
  (87 real changes made)
  (6,320 real changes made)
  (0 real changes made)
  (3 real changes made)
  (67 real changes made)
  (5,499 real changes made)
  (0 real changes made)
```

71. //create two new variables from this...

```
72. gen sr hip ever=sr hip raw
  (5,640 missing values generated)
73. replace sr_hip_ever=. if (inrange(wave,2,$w)) & sr_hip_raw==0 //set to missing
 > if report no new wave
  (33,919 real changes made, 33,919 to missing)
75. sort spid wave
76. by spid (wave): carryforward sr hip ever if ivw type==1 , replace
 sr_hip_ever: (24362 real changes made)
78. replace sr hip ever = sr hip raw if inrange(wave,2,$w) & sr hip ever == . & sr
 > hip_raw != .
(9,557 real changes made)
80. gen sr hip new=sr hip raw if inrange(wave,2,$w)
  (13,249 missing values generated)
81. la var sr hip raw "Self report Hip Fracture, Raw"
82. la var sr hip ever "Ever Self report Hip Fracture (since age 50)"
83. la var sr hip new "Self report Hip Fracture since prev year"
84.
85. foreach dis in ami stroke cancer hip{
    2. tab sr_`dis'_raw wave if ivw_type==1, missing
3. tab sr_`dis'_ever wave if ivw_type==1, missing
4. tab sr_`dis'_new wave if ivw_type==1, missing
    5. }
       Self |
     report
      Heart
                 Survey wave 1 2 3 4 5 | Total
     Attack,
       Raw |
         -8 | 8 3 7 6 18 | 58

-7 | 0 0 1 0 0 1

0 | 6,437 5,875 4,735 3,917 6,936 | 39,550

1 | 1,164 178 141 114 622 | 2,529
       Total | 7,609 6,056 4,884 4,037 7,576 | 42,138
       Self |
      report
      Heart |
     Attack, |
                 Survey wave 6 7 | Total
       Raw |
         -8 | 7 9 | 58

-7 | 0 0 1 1

0 | 6,243 5,407 | 39,550

1 | 160 150 | 2,529
     Total | 6,410 5,566 | 42,138
```

Ever Self report	 					
Heart Attack	 1 +	Su 2 	rvey wave 3	4	5	Total
-8 -7 0	8 0 6,437 1,164	8 0 5,040 1,008	12 1 4,025 846	10 1 3,289 737	27 1 6,343 1,205	120 3 35,023 6,992
Total	7,609	6,056	4,884	4,037	7,576	42,138
Ever Self report Heart Attack	 Survey v 6	wave 7	Total			
-8 -7 0 1	27 0 5,311 1,072	28 0 4,578 960	120 3 35,023 6,992			
Total	6,410	5 , 566	42,138			
Self report Heart Attack since prev year	 	Su 2	urvey wave 3	4	5	Total
-8 -7 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 5,875 178 0	7 1 4,735 141 0	6 0 3,917 114 0	18 0 6,936 622 0	50 1 33,113 1,365 7,609
Total	7,609	6 , 056	4,884	4,037	7,576	42,138
Self report Heart Attack since prev year	 Survey v	wave 7	Total			
-8 -7 0 1	7 0 6,243 160	9 0 5,407 150 0	50 1 33,113 1,365 7,609			
Total	6,410	5 , 566	42,138			
Self report Stroke, Raw	1	Su 2	rvey wave 3	4	5	Total
-8 -7 0 1	8 0 6,709 892	7 0 5,871 178	5 1 4,727 151	7 0 3,897 133	17 0 7,083 476	60 1 39,924 2,153
Total	+ 7,609	6 , 056	4,884	4,037	7,576	42,138

Self report Stroke, Raw	Survey 6	wave 7	Total			
	12 0 6,233 165	4 0 5,404 158				
Total	6,410	5,566	42,138			
Ever Self report Stroke	1	S 2	urvey wave 3	4	5	Total
-8 -7 0 1	8 0 6,709 892	13 0 5,262 781	12 1 4,186 685	14 1 3,423 599	24 1 6,633 918	122 3 36,555 5,458
Total	7 , 609	6 , 056	4,884	4,037	7,576	42,138
Ever Self report Stroke	Survey 6	wave 7	Total			
-8 -7 0 1	27 0 5,554 829	24 0 4,788 754	36,555			
Total	6 , 410	5 , 566	42,138			
Self report Stroke since prev year	1	S 2	Survey wave 3	4	5	Total
-8 -7 0 1	0 0 0 0 0 7,609	7 0 5,871 178 0	5 1 4,727 151 0	7 0 3,897 133 0	17 0 7,083 476 0	52 1 33,215 1,261 7,609
Total	7 , 609	6 , 056	4,884	4,037	7 , 576	42,138
Self report Stroke since prev year	Survey 6	wave 7	Total			
-8 -7 0 1	12 0 6,233 165 0	4 0 5,404 158 0	52 1 33,215 1,261 7,609			
Total	6,410	5,566	42,138			

Total | 7,609 6,056 4,884 4,037 7,576 | 42,138

Self	!					
report Cancer since prev year	 Survey 6	wave 7	Total			
-8 -7 0 1	4 0 6,031 375 0	7 0 5,190 369 0	35 2 31,695 2,797 7,609			
Total	6,410	5 , 566	42,138			
Self report Hip Fracture, Raw		S 2	Survey wave 3	4	5	Total
-8 -7 0 1	4 0 7,226 379	2 0 5,976 78	2 1 4,795 86	1 0 3,979 57	3 0 7,350 223	15 1 41,145 977
Total	+ 7 , 609	6,056	4,884	4,037	7 , 576	42,138
Self report Hip Fracture, Raw	1	wave 7	Total			
-8 -7 0 1	3 0 6,320 87	0 0 5,499 67				
Total	6,410	5 , 566	42,138			
Ever Self report Hip Fracture (since age 50)	 	. s 2	Gurvey wave 3	4	5	Total
-8 -7 0 1	1 4 1 0 1 7,226 1 379	5 0 5,706 345	6 1 4,556 321	3 1 3,751 282	6 1 7,134 435	34 3 39,564 2,537
Total	7 , 609	6,056	4,884	4,037	7 , 576	42,138
Ever Self report Hip Fracture (since age 50)	 Survey 6	wave 7	Total			
-8 -7 0 1	7 7 0 5,993 410	3 0 5,198 365	34 3 39,564 2,537			
Total	+6,410	5 , 566	42,138			

```
Self
 report Hip
   Fracture
 since prev
                                Survey wave
                  1
                             2 3
                                                            5 I
                                                                   Total
     year |
    _____+__+____+____+
        -8 | 0 2 2 1 3 | 11

-7 | 0 0 1 0 1 0 0 1

0 | 0 5,976 4,795 3,979 7,350 | 33,919

1 | 0 78 86 57 223 | 598

. | 7,609 0 0 0 0 7,609
      Total | 7,609 6,056 4,884 4,037 7,576 | 42,138
      Self |
 report Hip |
  Fracture
 since prev |
                 Survey wave
      year |
                 6
                              7 | Total
         -8 | 3 0 | 11

-7 | 0 0 1 1

0 | 6,320 5,499 | 33,919

1 | 87 67 | 598

. | 0 0 7,609
         -7 I
     Total | 6,410 5,566 | 42,138
88. //Many diseases asked 1st wave, then only if report no, asked again 2nd wave
89. //wave 2,3=7 if report yes in wave 1
90. //use a program over several diseases since pattern is the same
92. la def sr prev rept 0 "No" 1 "Yes" 7 "Previously reported"
94. capture program drop prev_report
95. program define prev report
            args dis num
   2.
          gen sr_`dis'_raw=.
96.
                   forvalues w=1/$w{
                            replace sr `dis' raw=1 if disescn`num'==1 & wave==`
   4.
                            replace sr `dis' raw=0 if disescn`num'==2 & wave==`
   5.
 > w'
   6.
                            replace sr_`dis'_raw=7 if disescn`num'==7 & wave==`
 > w'
   7.
                            replace sr `dis' raw=-7 if disescn`num'==-7 & wave=
 > = `w'
                            replace sr `dis' raw=-8 if disescn`num'==-8 & wave=
   8.
 > = `w'
  9.
  10.
```

la val sr `dis'_raw sr_prev_rept

11. 12. tab sr dis' raw wave if ivw type==1, missing

```
98.
             gen sr `dis' ever = 1 if inlist(sr `dis' raw,1,7) //if prev or curr re
  > port yes
                 replace sr `dis'_ever = 0 if sr `dis'_raw==0
replace sr `dis'_ever = -7 if sr `dis'_raw==-7
replace sr `dis'_ever = -8 if sr `dis'_raw==-8
tab sr `dis'_ever sr `dis'_raw, missing
tab sr `dis'_ever wave if ivw_type==1, missing
   13.
   14.
   15.
   16.
   17.
   18.
             gen sr_`dis'_new=sr_`dis'_raw if inrange(wave,2,$w)
   replace sr_`dis'_new=0 if sr_`dis'_raw==7
   tab sr_`dis'_new if inrange(wave,2,$w) & ivw_type==1, missing
99.
   19.
   20.
   21.
100
              end
101
102 //now run programs for specific disease variables
103 prev report heart dis 2
  (47,778 \text{ missing values generated})
  (1,411 real changes made)
  (6,182 real changes made)
  (0 real changes made)
  (0 real changes made)
  (16 real changes made)
  (187 real changes made)
  (4,757 real changes made)
  (1,107 real changes made)
  (0 real changes made)
  (5 real changes made)
  (138 real changes made)
  (3,749 real changes made)
  (990 real changes made)
  (1 real change made)
  (6 real changes made)
  (94 real changes made)
  (3,022 real changes made)
  (917 real changes made)
  (0 real changes made)
  (4 real changes made)
  (724 real changes made)
  (5,963 real changes made)
  (868 real changes made)
  (0 real changes made)
  (21 real changes made)
  (160 real changes made)
  (4,932 real changes made)
  (1,303 real changes made)
  (0 real changes made)
  (15 real changes made)
  (130 real changes made)
  (4,240 real changes made)
  (1,186 real changes made)
  (0 real changes made)
  (10 real changes made)
                                               Survey wave
     sr heart dis raw | Survey wave 2
                                                                3 4 | Total
     -8 | 16 5 6 4 | 77
-7 | 0 0 1 0 1
No | 6,182 4,757 3,749 3,022 | 32,845
Yes | 1,411 187 138 94 | 2,844
Previously reported | 0 1,107 990 917 | 6,371
```

Total | 7,609 6,056 4,884 4,037 | 42,138

sr_heart_dis_raw	 5	Survey wave 6	7	Total
-8 -7 No Yes Previously reported	21 0 5,963 724 868	15 0 4,932 160 1,303	10 0 4,240 130 1,186	77 1 32,845 2,844 6,371
Total	7,576	6,410	5 , 566	42,138

(38,563 missing values generated) (32,845 real changes made) (1 real change made) (77 real changes made)

		raw	heart dis r	sr		sr heart d
Total	Previousl	Yes	No		–8 +	_is_ever
77	0	0	0	0	,	-8
1	0	0	0	1	0	-7
32,845	0	0	32,845	0	0	0
9,215	6 , 371	2,844	0	0	0	1
5,640	0	0	0	0	0	•
47,778	6,371	2,844	32,845	1	+ 77	Total

sr_heart_d is_ever	sr_heart_d is_raw	Total
-8 -7 0 1	0 0 0 0 0 5,640	77 77 32,845 9,215 5,640
Total	5 , 640	47,778

sr_heart_d is ever	1	2	Survey wave 3	4	5	Total
 -8		 5	6		21	+ 77
-7 0	0 6 , 182	0 4,757	1 3,749	0 3,022	0 5 , 963	1 32,845
1	1,411 +	1,294 	1,128	1,011 	1,592 	9 , 215
Total	7,609	6 , 056	4 , 884	4 , 037	7 , 576	42,138

sr_heart_d is_ever	Survey 6	wave 7	Total
-8 -7 0 1	15 0 4,932 1,463	10 0 4,240 1,316	77 77 32,845 9,215
Total	6,410	5 , 566	42,138

^{(13,249} missing values generated) (6,371 real changes made)

sr_heart_di s_new	Freq.	Percent	Cum.
-8 -7 0 1	61 1 33,034 1,433	0.18 0.00 95.67 4.15	0.18 0.18 95.85 100.00
Total	34 , 529	100.00	

```
104 prev report htn 3
```

(47,778 missing values generated)

(5,108 real changes made)

(2,491 real changes made)

(0 real changes made)

(0 real changes made)

(10 real changes made) (146 real changes made)

(1,840 real changes made)

(4,066 real changes made)

(0 real changes made)

(4 real changes made)

(124 real changes made)

(1,359 real changes made) (3,394 real changes made)

(0 real changes made)

(7 real changes made)

(76 real changes made)

(1,042 real changes made)

(2,916 real changes made)

(0 real changes made)

(3 real changes made)

(2,674 real changes made)

(2,221 real changes made) (2,671 real changes made)

(0 real changes made)

(10 real changes made)

(111 real changes made)

(1,786 real changes made)

(4,510 real changes made)

(0 real changes made)
(3 real changes made)

(92 real changes made)

(1,481 real changes made)

(3,987 real changes made)

(0 real changes made)

(6 real changes made)

1		Survey	wave		
sr_htn_raw	1	2	3	4	Total
-8 No Yes Previously reported	10 2,491 5,108 0	1,840 146 4,066	7 1,359 124 3,394	3 1,042 76 2,916	43 12,220 8,331 21,544
Total	7,609	6 , 056	4,884	4,037	42,138

	Survey wave				
sr_htn_raw	5	6	7	Total	
-8 No Yes Previously reported	10 2,221 2,674 2,671	3 1,786 111 4,510	6 1,481 92 3,987	43 12,220 8,331 21,544	
Total	7,576	6,410	5,566	42,138	

(17,903 missing values generated)

- (12,220 real changes made)
- (0 real changes made)
- (43 real changes made)

sr_htn_eve r	-8	No	sr_htn_raw Yes	Previousl	. !	Total
-8 0 1	43 0 0 0	0 12,220 0 0	0 0 8,331 0	0 0 0 21,544 0	0 0 0 5,640	43 12,220 29,875 5,640
Total	43	12,220	8,331	21,544	5 , 640	47,778
sr_htn_eve r	1	S 2	Survey wave 3	4	5	Total
-8 0 1	10 2,491 5,108	4 1,840 4,212	7 1,359 3,518	3 1,042 2,992	10 2,221 5,345	43 12,220 29,875
	7,609	6 , 056	4,884	4,037	 7 , 576	42,138

sr_htn_eve r	Survey 6	wave 7	Total
-8 0 1	3 1,786 4,621	6 1,481 4,079	43 12,220 29,875
Total	6,410	5 , 566	42,138

(13,249 missing values generated)

(21,544 real changes made)

Cum.	Percent	Freq.	sr_htn_new
0.10 90.67 100.00	0.10 90.57 9.33	33 31,273 3,223	-8 0 1
	100.00	34,529	Total

- 105 prev_report ra 4
 (47,778 missing values generated)
 - (4,248 real changes made)
 - (3,345 real changes made)

 - (0 real changes made)
 (1 real change made)
 - (15 real changes made)
 - (277 real changes made)
 - (2,399 real changes made)
 - (3,378 real changes made)
 - (0 real changes made)
 - (2 real changes made)
 - (190 real changes made)
 - (1,753 real changes made)
 - (2,934 real changes made)
 - (0 real changes made)
 - (7 real changes made)
 - (127 real changes made)

 - (1,344 real changes made) (2,563 real changes made)
 - (0 real changes made)
 - (3 real changes made)
 - (2,268 real changes made)
 - (2,896 real changes made)
 - (2,402 real changes made)
 - (0 real changes made)

(10 real changes made) (283 real changes made) (2,153 real changes made) (3,972 real changes made) (0 real changes made) (2 real changes made) (158 real changes made) (1,726 real changes made) (3,677 real changes made) (0 real changes made)
(5 real changes made)

sr_ra_raw	1	Surve 2	y wave	4	Total
-8 -7 No Yes Previously reported	15 1 1 3,345 4,248	2 0 2,399 277 3,378	7 0 1,753 190 2,934	3 0 1,344 127 2,563	44 1 15,616 7,551 18,926
Total	7,609	6 , 056	4,884	4,037	42,138

	Survey wave				
sr_ra_raw	5	6	7	Total	
-8 -7 No Yes Previously reported	10 0 2,896 2,268 2,402	2 0 2,153 283 3,972	5 0 1,726 158 3,677	44 1 15,616 7,551 18,926	
Total	7 , 576	6,410	5 , 566	42,138	

(21,301 missing values generated) (15,616 real changes made) (1 real change made) (44 real changes made)

			sr ra raw			
sr_ra_ever	-8	-7	No	Yes	Previousl	Total
-8	44	0	0	0	0	44
-7	0	1	0	0	0	1
0	0	0	15,616	0	0	15,616
1	0	0	0	7,551	18,926	26,477
•	0	0	0	0	0	5,640
Total	44	1	15,616	7 , 551	18 , 926	47,778

sr_ra_ever	sr_ra_raw .	Total
-8 -7 0 1	0 0 0 0 0 5,640	1 44 1 15,616 26,477 5,640
Total	+5 , 640	47,778

			Survey wave			
sr_ra_ever	1	2	3	4	5	Total
-8 -7	+ 15 ₁	2	7 0	3 0	10	+ 44 1
0 1	3,345 4,248	2,399 3,655	1,753 3,124	1,344 2,690	2,896 4,670	15,616 26,477
Total	+ 7 , 609	6 , 056	4,884	4,037	7 , 576	42,138

sr_ra_ever	Survey 6	wave 7	Total
-8 -7 0 1	2 0 2,153 4,255	5 0 1,726 3,835	44 1 15,616 26,477
Total	6,410	5 , 566	42,138

(13,249 missing values generated)

(18,926 real changes made)

Cum.	Percent	Freq.	sr_ra_new
0.08 90.43 100.00	0.08 90.35 9.57	29 31,197 3,303	-8 0 1
	100.00	34,529	Total

106 prev_report osteoprs 5

(47,778 missing values generated) (1,559 real changes made)

(6,023 real changes made)

(0 real changes made)

(0 real changes made)

(27 real changes made)

(172 real changes made)

(4,628 real changes made) (1,242 real changes made)

(0 real changes made)

(14 real changes made)

(158 real changes made) (3,558 real changes made)

(1,155 real changes made)

(1 real change made) (12 real changes made)

(100 real changes made)

(2,835 real changes made) (1,086 real changes made)

(0 real changes made) (16 real changes made)

(803 real changes made)

(5,672 real changes made)

(1,064 real changes made)

(0 real changes made)

(37 real changes made)

(209 real changes made)

(4,603 real changes made) (1,584 real changes made)

(0 real changes made)

(14 real changes made)

(164 real changes made)

(3,842 real changes made) (1,549 real changes made)

(0 real changes made)
(11 real changes made)

sr_osteoprs_raw	1	Surve 2	ey wave	4	Total
-8 -7 No Yes Previously reported	27 0 6,023 1,559	14 0 4,628 172 1,242	12 1 3,558 158 1,155	16 0 2,835 100 1,086	131 1 31,161 3,165 7,680
Total	7,609	6 , 056	4,884	4,037	42,138

	Survey wave						
sr_osteoprs_raw	5	6	7	Total			
-8 -7	37 I 0	14 0	11 0	131			
No Yes Previously reported	5,672 803 1,064	4,603 209 1,584	3,842 164 1,549	31,161 3,165 7,680			
Total	+ 7 , 576	6,410	5 , 566	+ 42,138			

(36,933 missing values generated) (31,161 real changes made) (1 real change made) (131 real changes made)

sr_osteopr		sr	_osteoprs_r	aw		
s_ever	-8	-7	No	Yes	Previousl	Total
-8	131	0	0	0	0	131
- 7	0	1	0	0	0	1
0	0	0	31,161	0	0	31,161
1	0	0	0	3,165	7,680	10,845
	0	0	0	0	0	5,640
Total	131	1	31,161	3,165	7,680	47,778

sr_osteopr s_ever	sr_osteopr s_raw .	Total
-8 -7 0 1	0 0 0 0 0 5,640	131 1 1 1 31,161 1 10,845 5,640
Total	+5 , 640	47,778

sr_osteopr s_ever	 1	2	Survey wave	4	5	Total
-8 -7 0 1	27 0 6,023 1,559	14 0 4,628 1,414	12 1 3,558 1,313	16 0 2,835 1,186	37 0 5,672 1,867	131 1 31,161 10,845
Total	7,609	6 , 056	4,884	4,037	7 , 576	42,138

sr_osteopr s_ever	Survey 6	wave 7	Total
-8 -7 0 1	14 0 4,603 1,793	11 0 3,842 1,713	131 1 31,161 10,845
Total	6,410	5 , 566	42,138

(13,249 missing values generated) (7,680 real changes made)

sr_osteoprs _new	 Freq.	Percent	Cum.
-8 -7 0 1	104 1 1 32,818 1,606	0.30 0.00 95.04 4.65	0.30 0.30 95.35 100.00
Total	34 , 529	100.00	

107 prev_report diabetes 6
 (47,778 missing values generated)

(1,925 real changes made)

(5,681 real changes made)

(0 real changes made)

(1 real change made)

(2 real changes made)

(88 real changes made)

(4,444 real changes made)

(1,522 real changes made)

(0 real changes made) (2 real changes made)

(54 real changes made)

(3,543 real changes made)

(1,283 real changes made)

(1 real change made)

(3 real changes made)

(44 real changes made)

(2,888 real changes made)

(1,102 real changes made)

(0 real changes made)

(3 real changes made)

(1,099 real changes made)

(5,431 real changes made)

(1,037 real changes made)

(0 real changes made)

(9 real changes made)

(86 real changes made)

(4,541 real changes made)

(1,783 real changes made)

(0 real changes made)

(0 real changes made)

(59 real changes made)

(3,907 real changes made) (1,597 real changes made)

(0 real changes made)

(3 real changes made)

 sr_diabetes_raw	1	Surve	y wave 3	4	Total
-8 -7 No Yes Previously reported	2 1 5,681 1,925 0	2 0 4,444 88 1,522	3 1 3,543 54 1,283	3 0 2,888 44 1,102	22 2 30,435 3,355 8,324
Total	7 , 609	6 , 056	4,884	4,037	42,138

sr_diabetes_raw	 5	Survey wave 6	7	Total
-8 -7 No Yes Previously reported	9 0 5,431 1,099 1,037	0 0 4,541 86 1,783	3 0 3,907 59 1,597	22 2 30,435 3,355 8,324
Total	,576	6,410	5 , 566	42,138

(36,099 missing values generated) (30,435 real changes made) (2 real changes made) (22 real changes made)

sr_diabete s_ever	-8	sr -7	_diabetes_r No	aw Yes	Previousl	Total
-8 -7 0 1	22 0 0 0	0 2 0 0 0	0 0 30,435 0 0	0 0 0 3,355 0	0 0 0 8,324 0	22 2 30,435 11,679 5,640
Total	+ 22	2	30 , 435	3,355	8,324	47,778

sr_diabete s_ever	sr_diabete s_raw .	Total
-8 -7 0 1	0 0 0 0 5,640	22 2 30,435 11,679 5,640
Total	5 , 640	47,778

sr_diabete s_ever	1	2	Survey wave	4	5	Total
-8 -7 0 1	2 1 5,681 1,925	2 0 4,444 1,610	3 1 3,543 1,337	3 0 2,888 1,146	9 0 5,431 2,136	22 2 30,435 11,679
Total	7 , 609	6 , 056	4,884	4,037	7 , 576	42,138

sr_diabete	Survey	wave	Total
s_ever	6	7	
-8	0	3	22
-7	0	0	2
0	4,541	3,907	30,435
1	1,869	1,656	11,679
Total	6,410	5 , 566	42,138

(13,249 missing values generated) (8,324 real changes made)

sr_diabetes _new	 Freq.	Percent	Cum.
-8 -7 0 1	20 1 33,078 1,430	0.06 0.00 95.80 4.14	0.06 0.06 95.86 100.00
Total	34,529	100.00	

```
108 prev report lung dis 7
```

- (47,778 missing values generated)
- (1,154 real changes made)
- (6,450 real changes made)
- (0 real changes made)
- (0 real changes made)
- (5 real changes made)
- (135 real changes made)
- (5,033 real changes made)
- (884 real changes made)
- (0 real changes made)
- (4 real changes made)
- (106 real changes made)
- (3,979 real changes made)
- (795 real changes made)
- (1 real change made)
- (3 real changes made)
- (75 real changes made)
- (3,223 real changes made)
- (736 real changes made)
- (0 real changes made)
- (3 real changes made)
- (679 real changes made)
- (6,181 real changes made)
- (710 real changes made)
- (0 real changes made)
- (6 real changes made)
- (111 real changes made)
- (5,126 real changes made)
- (1,170 real changes made)
- (0 real changes made) (3 real changes made)
- (102 real changes made)
- (4,375 real changes made) (1,083 real changes made)
- (0 real changes made)
- (6 real changes made)

	Survey wave				
sr_lung_dis_raw	1	2	3	4	Total
-8	5	4	3	3] 30
-7	0	0	1	0	1
No	6,450	5,033	3 , 979	3,223	34,367
Yes	1,154	135	106	75	2,362
Previously reported	0	884	795	736	5,378
Total	7 , 609	6 , 056	4,884	4,037	42,138

sr_lung_dis_raw	5	Survey wave	7	Total
-8 -7 No Yes Previously reported	6,181 6,181 679 710	3 0 5,126 111 1,170	6 0 4,375 102 1,083	30 1 1 34,367 2,362 5,378
Total	7,576	6 , 410	5 , 566	42,138

(40,038 missing values generated) (34,367 real changes made) (1 real change made) (30 real changes made)

sr_lung_di			_lung_dis_r			
s_ever	-8 +	-7 	No	Yes	Previousl	Total
-8	30	0	0	0	0	30
-7	0	1	0	0	0	1
0	0	0	34,367	0	0	34,367
1	0	0	0	2,362	5 , 378	7,740
	0	0	0	0	0	5,640
Total	30	1	34,367	2,362	5 , 378	47,778

sr_lung_di s_ever	sr_lung_di s_raw .	Total
-8 -7 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 1 34,367 7,740 5,640
Total	+ 5 , 640	47,778

sr_lung_di s_ever	1	2	Survey wave	4	5	Total
-8 -7 0 1	5 5 6,450 1,154	4 0 5,033 1,019	3 1 3,979 901	3 0 3,223 811	6 0 6,181 1,389	30 1 1 34,367 7,740
Total	7 , 609	6 , 056	4,884	4,037	7 , 576	42,138

sr_lung_di s_ever	Survey 6	wave 7	Total
-8 -7 0 1	3 0 5,126 1,281	6 0 4,375 1,185	30 1 1 1 34,367 1 7,740
Total	6,410	5 , 566	42,138

(13,249 missing values generated) (5,378 real changes made)

sr_lung_dis _new	 Freq.	Percent	Cum.
-8 -7 0 1		0.07 0.00 96.43 3.50	0.07 0.08 96.50 100.00
Total	34,529	100.00	

```
109 prev report dementia 9
  (47,778 missing values generated)
  (457 real changes made)
  (7,146 real changes made)
  (0 real changes made)
  (0 real changes made)
  (6 real changes made)
  (136 real changes made)
  (5,611 real changes made)
  (305 real changes made)
  (0 real changes made)
  (4 real changes made)
  (126 real changes made)
  (4,455 real changes made)
  (297 real changes made)
  (1 real change made)
  (5 real changes made)
  (95 real changes made)
  (3,658 real changes made)
  (283 real changes made)
  (0 real changes made)
  (1 real change made)
  (288 real changes made)
  (6,994 real changes made)
  (283 real changes made)
  (1 real change made)
  (10 real changes made)
  (147 real changes made)
  (5,865 real changes made)
  (393 real changes made)
  (0 real changes made)
  (5 real changes made)
  (122 real changes made)
  (5,058 real changes made)
  (384 real changes made)
  (0 real changes made)
  (2 real changes made)
```

	I	Surve	ey wave		
sr_dementia_raw	1	2	3	4	Total
-8 -7	6 0	4 0	5 1	1 0	33
No Yes	7,146 1 457	5,611 136	4,455 126	3,658 95	38,787 1,371
Previously reported	0	305	297	283	1,945
Total	7 , 609	6,056	4,884	4,037	42,138

	Survey wave					
sr_dementia_raw	5	6	7	Total		
-8 -7 No Yes Previously reported	10 1 6,994 288	5 0 5,865 147 393	2 0 5,058 122 384	33 2 38,787 1,371 1,945		
Total	† 7 , 576	6,410	5,566	42,138		

^{(44,462} missing values generated)

^{(38,787} real changes made)

⁽² real changes made)

⁽³³ real changes made)

sr_dementi a_ever	 -8	sr -7	_dementia_r No	aw Yes	Previousl	Total
-8 -7 0 1	33 0 0 0	0 2 0 0	0 0 38,787 0 0	0 0 0 1,371 0	0 0 0 1,945 0	33 2 38,787 3,316 5,640
Total	33	2	38 , 787	1,371	1,945	47,778

sr_dementi a_ever	sr_dementi a_raw .	Total
-8 -7 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33 2 38,787 3,316 5,640
Total	5,640	47,778

sr_dementi			Survey wave	<u> </u>		
a_ever	1	2	3	4	5	Total
-8 -7 0 1	6 0 7,146 457	4 0 5,611 441	5 1 4,455 423	1 0 3,658 378	10 1 6,994 571	33 2 38,787 3,316
Total	7,609	6,056	4,884	4,037	7,576	42,138

sr_dementi a_ever	Survey 6	wave 7	Total
-8 -7 0 1	5 0 5,865 540	2 0 5,058 506	33 2 38,787 3,316
Total	6,410	5 , 566	42,138

(13,249 missing values generated) (1,945 real changes made)

sr_dementia _new	 Freq.	Percent	Cum.
-8 -7 0 1	27 2 33,586 914	0.08 0.01 97.27 2.65	0.08 0.08 97.35 100.00
Total	34,529	100.00	

```
111 la var sr heart dis ever "Self report Heart Disease"
112 la var sr heart dis new "Self report Heart Disease since prev year"
113 la var sr htn ever "Self report high blood pressure"
114 la var sr htn new "Self report high blood pressure since prev year"
115 la var sr ra ever "Self report arthritis"
116 la var sr ra new "Self report arthritis since prev year"
117 la var sr osteoprs ever "Self report osteoporosis"
118 la var sr osteoprs new "Self report osteoporosis since prev year"
119 la var sr diabetes ever "Self report diabetes"
120 la var sr diabetes new "Self report diabetes since prev year"
121 la var sr lung dis ever "Self report Lung Disease"
122 la var sr lung dis new "Self report Lung Disease since prev year"
123 la var sr dementia ever "Self report Dementia"
124 la var sr dementia new "Self report Dementia since prev year"
126 ***************
127 //Depression & Anxiety
128 //Over the last month how often have you:
129 //responses are 1=not at all, 2=several days, 3=more than half days, 4=nearly
131 gen sr depr pgg1=.
 (47,778 missing values generated)
132 gen sr_depr_pqq2=.
  (47,778 missing values generated)
133 gen sr anx gad1=.
  (47,778 missing values generated)
134 gen sr anx gad2=.
 (47,778 missing values generated)
136 forvalues w=1/$w{}
              //set up new variables for individual wave variables
137
           foreach q in 1 2 3 4 {
              gen temp hc`w'deprsan`q'=. if inlist(depresan`q',-9,-8,-7,-1) & wav
  > e==`w'
              replace temp hc`w'deprsan`q'=depresan`q'-1 if inlist(depresan`q',1,
   4 .
  > 2,3,4) \& wave==`w'
              replace temp_hc`w'deprsan`q'=0 if inlist(depresan`q',-8,-7) & wave=
  > = `w'
    6.
   7.
              //now create clean depression, anxiety variables
138
           replace sr depr pqq1=temp hc`w'deprsan1 if wave==`w' //little interest
  > or pleasure in doing things
              replace sr_depr_pqq2=temp_hc`w'deprsan2 if wave==`w' //felt down/de
  > pressed/hopeless
             replace sr anx gad1=temp hc`w'deprsan3 if wave==`w' //felt nervous
   9.
              replace sr_anx_gad2=temp_hc`w'deprsan4 if wave==`w' //unable to sto
  10.
  > p worrying
```

```
139
            foreach q in 1 2 3 4 {
140
  12.
               drop temp hc`w'deprsan`q'
   13.
  14.
141 }
  (47,778 missing values generated)
  (7,564 real changes made)
  (45 real changes made)
  (47,778 missing values generated)
  (7,579 real changes made)
  (30 real changes made)
  (47,778 missing values generated)
  (7,579 real changes made)
  (30 real changes made)
  (47,778 missing values generated)
  (7,580 real changes made)
  (29 real changes made)
  (7,609 real changes made)
  (7,609 real changes made)
  (7,609 real changes made)
  (7,609 real changes made)
  (47,778 missing values generated)
  (6,010 real changes made)
  (46 real changes made)
  (47,778 missing values generated)
  (6,031 real changes made)
  (25 real changes made)
  (47,778 missing values generated)
  (6,034 real changes made)
  (22 real changes made)
  (47,778 missing values generated)
  (6,018 real changes made)
  (38 real changes made)
  (6,056 real changes made)
  (6,056 real changes made)
  (6,056 real changes made)
  (6,056 real changes made)
  (47,778 missing values generated)
  (4,844 real changes made)
  (40 real changes made)
  (47,778 missing values generated)
  (4,854 real changes made)
  (30 real changes made)
  (47,778 missing values generated)
  (4,853 real changes made)
  (31 real changes made)
  (47,778 missing values generated)
  (4,842 real changes made)
  (42 real changes made)
  (4,884 real changes made)
  (4,884 real changes made)
  (4,884 real changes made)
  (4,884 real changes made)
  (47,778 missing values generated)
  (3,998 real changes made)
  (39 real changes made)
  (47,778 missing values generated)
  (4,010 real changes made)
  (27 real changes made)
  (47,778 missing values generated)
  (4,015 real changes made)
  (22 real changes made)
  (47,778 missing values generated)
  (4,008 real changes made)
  (29 real changes made)
  (4,037 real changes made)
  (4,037 real changes made)
(4,037 real changes made)
  (4,037 real changes made)
  (47,778 missing values generated)
  (7,520 real changes made)
```

```
(56 real changes made)
  (47,778 missing values generated)
  (7,534 real changes made)
  (42 real changes made)
  (47,778 missing values generated)
  (7,540 real changes made)
  (36 real changes made)
  (47,778 missing values generated)
  (7,517 real changes made)
  (59 real changes made)
  (7,576 real changes made)
  (7,576 real changes made)
  (7,576 real changes made)
  (7,576 real changes made)
  (47,778 missing values generated)
  (6,365 real changes made)
  (45 real changes made)
  (47,778 missing values generated)
  (6,379 real changes made)
  (31 real changes made)
  (47,778 missing values generated)
  (6,376 real changes made)
  (34 real changes made)
  (47,778 missing values generated)
  (6,368 real changes made)
  (42 real changes made)
  (6,410 real changes made)
  (6,410 real changes made)
  (6,410 real changes made)
  (6,410 real changes made)
  (47,778 missing values generated)
  (5,538 real changes made)
  (28 real changes made)
  (47,778 missing values generated)
  (5,531 real changes made)
  (35 real changes made)
  (47,778 missing values generated)
  (5,540 real changes made)
  (26 real changes made)
  (47,778 missing values generated)
  (5,535 real changes made)
  (31 real changes made)
  (5,566 real changes made)
  (5,566 real changes made)
  (5,566 real changes made)
  (5,566 real changes made)
143 la def depr anx 0"Not at all" 1"Several days" 2"More than half the days" ///
  > 3"Nearly every day"
144 la val sr_depr_pqq1 sr_depr_pqq2 sr_anx_gad1 sr_anx_gad2 depr_anx
145 la var sr_depr_pqq1 "How often little interest in doing things?"
146 la var sr depr pqq2 "How often felt down, depressed, hopeless?"
147 la var sr anx gad1 "How often felt nervous or anxious?"
148 la var sr anx gad2 "How often unable to stop worrying?"
```

J. ,					
How often little interest in doing things?	İ	Survey 2	wave	4	Total
Not at all Several days More than half the da Nearly every day	1,561 556	1,327 446	3,091 1,093 329 371	2,540 900 304 293	9,238 3,092
Total	7,609	6,056	4,884	4,037	42,138
How often little interest in doing things?		Survey wave	7	Total	
Not at all Several days More than half the da Nearly every day	1,637 565	1,432	3,480 1,288 411 387	9,238	
Total	7,576	6,410	5,566	42,138	
How often felt down, depressed, hopeless?		Survey 2	wave 3	4	Total
Not at all Several days More than half the da Nearly every day	1,589 353	1,258 282	3,479 999 199 207	2,868 873 160 136	8,588
Total	7,609	6 , 056	4,884	4,037	42,138
How often felt down, depressed, hopeless?		Survey wave	7	Total	
Not at all Several days More than half the da Nearly every day	1,529 298	1,276	4,095 1,064 228 179	8,588	
Total	7,576	6,410	5 , 566	42,138	
How often felt nervous or anxious?		Survey 2	wave	4	Total
Not at all Several days More than half the da Nearly every day	2,011	265	3,139 1,332 199 214	2,631 1,085 156 165	10,988 1,859
Total	7,609	6,056	4,884	4,037	42,138
How often felt nervous or anxious?		Survey wave	7	Total	
Not at all Several days More than half the da Nearly every day	1 946	1,630	3,708 1,410 243 205	10,988 1,859	
Total		6,410	5 , 566	42,138	

How often unable to stop worrying?	1	Surve	y wave 3	4	Total
Not at all Several days More than half the da Nearly every day	5,456 1,283 357 513	4,420 1,015 256 365	3,635 773 195 281	2,950 716 144 227	30,805 7,169 1,763 2,401
Total	7 , 609	6,056	4,884	4,037	42,138

How often unable to		Survey wave)	
stop worrying?	J 5	6 6	7	Total
Not at all Several days More than half the da Nearly every day	5,517 1,336 325 398	4,699 1,134 247 330	4,128 912 239 287	30,805 7,169 1,763 2,401
Total	7,576	6 , 410	5 , 566	42,138

151

- 152 //combined phq-2 score for depression, cutoff 3+=depressed
- 153 gen sr_phq2_score=sr_depr_pqq1+sr_depr_pqq2 (5,640 missing values generated)
- 154 gen sr_phq2_depressed=1 if sr_phq2_score>=3 & sr_phq2_score~=. (41,758 missing values generated)
- 155 replace sr_phq2_depressed=0 if sr_phq2_score<3 & sr_phq2_score~=.
 (36,118 real changes made)</pre>
- 156 la var sr_phq2_score "PHQ-2 combined score 0-6 scale"
- 157 la var sr phq2 depressed "Depressed per PHQ-2, score=3+"
- 158 tab sr_phq2_score sr_phq2_depressed if ivw_type==1, missing

PHQ-2 combined score 0-6 scale	Depressed pe score= 0		Total
0 2 3 4 5	23,002 7,476 5,640 0 0	0 0 0 3,234 1,491 577 718	23,002 7,476 5,640 3,234 1,491 577
Total	36,118	6,020	42,138

159

- 160 //combined gad-2 score for anxiety, cutoff 3+=anxiety
- 161 gen sr_gad2_score=sr_anx_gad1+sr_anx_gad2
 - (5,640 missing values generated)

- 162 gen sr_gad2_anxiety=1 if sr_gad2_score>=3 & sr_gad2_score~=.
 (42,862 missing values generated)
- 163 replace sr_gad2_anxiety=0 if sr_gad2_score<3 & sr_gad2_score~=.
 (37,222 real changes made)</pre>
- 164 la var sr_gad2_score "GAD-2 combined score 0-6 scale"
- 165 la var sr_gad2_anxiety "Anxiety per GAD-2, score=3+"
- 166 tab sr_gad2_score sr_gad2_anxiety if ivw_type==1, missing

GAD-2 combined score 0-6 scale	. Ar	xiety pe: score: 0		Total
0 1 2 3 4 5	i I I	24,018 8,356 4,848 0 0	0 0 0 2,088 1,451 537 840	24,018 8,356 4,848 2,088 1,451 537 840
Total		37 , 222	4,916	42,138

167 tab sr_gad2_anxiety wave, missing

Anxiety per GAD-2,			Survey wave			
score=3+	l 1	2	3	4	5	Total
0 1	6,581 1,028 636	5,308 748 1,019	4,320 564 915	3,593 444 700	6,728 848 758	37,222 4,916 5,640
Total	8,245	7 , 075	5 , 799	4,737	8,334	47,778

Anxiety per GAD-2, score=3+	 Survey 6	wave 7	Total
0 1	5,721 689 866	4,971 595 746	37,222 4,916 5,640
Total	+ 7 , 276	6 , 312	47,778

169 *************

170 //Dementia, based on NHATS technical paper no. 5, expanded for 3 waves

173 tab proxy_ivw ivw_type, missing

Interview via proxy	 Alive, SP	<pre>ivw_type Died, pro</pre>	SP interv	Total
0 1 •	39,211 2,927 0	0 2,671 0	0 0 2 , 969	39,211 5,598 2,969
Total	42,138	2 , 671	2,969	47,778

```
174
175 //Initialize 3 category dementia variable
176 //probable dementia, possible dementia, no dementia
177 //probable = diagnosis reported or 2+ ad8 questions (proxy) or <1.5 SD below m
 > ean
178 gen dem 3 cat=-1 if ivw type!=1 //set to na if not SP interview
 (42,138 missing values generated)
179 replace dem 3 cat=1 if sr dementia ever==1 //if reported directly
  (3,316 real changes made)
180
181 //for proxy interviews, use ad8 score
182 forvalues i = 1/8
    2. gen pr_ad8_`i'=-1 //initialize to n/a
3. replace pr_ad8_`i'=. if proxy_ivw==1 & dem_3_cat==. //set missing if proxy
  > ivw w/o direct report dementia
    4. forvalues w=1/$w{
 5. replace pr ad8 `i'=1 if inlist(chgthink`i',1,3) & wave==`w' & dem_3
> cat==. & proxy_ivw==1 //yes or dementia reported
6. replace pr_ad8 `i'=0 if inlist(chgthink`i',2,-8) & wave==`w' & dem_
> 3_cat==. & proxy_ivw==1 7/no or don't know
7. }
    8. tab pr_ad8_`i' wave, missing
9. tab pr_ad8_`i' wave if proxy_ivw==1, missing
  (1,207 real changes made, 1,207 to missing)
  (108 real changes made)
  (206 real changes made)
  (73 real changes made)
  (148 real changes made)
  (50 real changes made)
  (101 real changes made)
  (42 real changes made)
  (63 real changes made)
  (62 real changes made)
  (111 real changes made)
  (50 real changes made)
  (89 real changes made)
  (28 real changes made)
  (47 real changes made)
                                      Survey wave
   pr_ad8_1 | Survey wave pr_ad8_1 | 1 2 3 4 5 | Total
                                            -----+-----
    _____
          -1 | 7,931 6,851 5,644 4,625 8,157 | 46,571 0 | 206 148 101 63 111 | 765 1 | 108 73 50 42 62 | 413 . | 0 3 4 7 4 | 29
  Total | 8,245 7,075 5,799 4,737 8,334 | 47,778
    | Survey wave pr_ad8_1 | 6 7 | Total
          -1 | 7,132 6,231 | 46,571
0 | 89 47 | 765
1 | 50 28 | 413
. | 5 6 | 29
       Total | 7,276 6,312 | 47,778
```

	I	Si	urvey wave			
pr_ad8_1	1 +	2	3	4	5	Total
-1 0 1	269 206 108 0	740 148 73 3	742 101 50 4	610 63 42 7	602 111 62 4	4,391 765 413 29
Total	+ 583	964	897	722	 779	5,598
pr_ad8_1	Survey wa 6 +		Total			
-1 0 1	750 89 50	678 47 28 6	4,391 765 413 29			
Total	+ 894	759	5 , 598			
(190 real chair) (86 real chair)	manges made) anges made)					
pr_ad8_2	1	2	urvey wave 3	4	5	Total
-1 0 1	7,931 190 124	6,851 135 86 3	5,644 89 62 4	4,625 61 44 7	8,157 99 73 5	46,571 690 487 30
Total	8,245	7,075	5 , 799	4,737	8,334	47,778
pr_ad8_2	Survey wa	ave 7	Total			
-1 0 1	7,132 72 67	6,231 44 31 6	46,571 690 487 30			
Total	,276	6 , 312	47 , 778			
pr_ad8_2		S1 2	urvey wave 3	4	5	Total
-1 0 1	269 190 124 0	740 135 86 3	742 89 62 4	610 61 44 7	602 99 73 5	4,391 690 487 30
				=	:	

583 964 897 722 779 | 5,598

Total |

	Survey	wave				
pr_ad8_2	i 6 +	7	Total			
-1 0	750 72	678 44	4,391 690			
1	67 5	31	487			
	+		30			
Total		759				
(133 real cl (181 real cl (88 real ch	hanges made) anges made)	1,207 to	missing)			
pr ad8 3	 1	2	Survey wave	4	5	Total
-1	+					+
0	7,931	6,851 133	5,644 89	4,625 59	8,157 98	46,571 690
1	133	88	62 4	46 7	74 5	487 30
Total	8,245	7 , 075	5 , 799	4,737	8,334	+ 47 , 778
pr_ad8_3	Survey	wave 7	Total			
-1	+ 7,132	6 , 231	46,571			
0 1	85 54	45 30	690 487			
	j 5 +	6 	30			
Total	7,276	6,312	47,778			
	I		Survey wave			
pr_ad8_3	1 +	2	3	4	5 	Total +
-1 0	269 181	740 133	742 89	610 59	602 98	4,391 690
1	133	88	62	46	74	487
	0	3 	4	7	5 	30
Total	583	964	897	722	779	5,598
pr ad8 3	Survey	wave 7	Total			
	+ 750	 678	4,391			
0	85	45	690			
1	54 5	30 6	487 30			
Total	+ 894	759	5,598			

```
(1,207 real changes made, 1,207 to missing)
(97 real changes made)
(217 real changes made)
(81 real changes made)
(140 real changes made)
(59 real changes made)
(92 real changes made)
(44 real changes made)
(61 real changes made)
(72 real changes made)
(100 real changes made)
(50 real changes made)
(89 real changes made)
(24 real changes made)
(51 real changes made)
```

			Survey wave			
Total	5	4	3	2	1	pr_ad8_4
46,571 750 427 30	8,157 100 72 5	4,625 61 44 7	5,644 92 59 4	6,851 140 81 3	7,931 217 97	-1 0 1
47,778	8,334	4,737	5 , 799	7 , 075	8,245	Total

pr_ad8_4	Survey 6	wave 7	Total
-1 0 1	7,132 89 50	6,231 51 24 6	46,571 750 427 30
Total	7,276	6 , 312	47,778

pr_ad8_4	 1	2	Survey wave	4	5	Total
-1 0 1	269 217 97 0	740 140 81 3	742 92 59 4	610 61 44 7	602 100 72 5	4,391 750 427 30
Total	583 S	964	897	722	779	5,598

pr_ad8_4	Survey wa 6	ive 7	Total
-1 0 1	750 89 50 5	678 51 24 6	4,391 750 427 30
Total	894	759	5,598

(1,207 real changes made, 1,207 to missing)

- (104 real changes made) (210 real changes made)
- (83 real changes made)
- (138 real changes made)
- (43 real changes made)
- (108 real changes made)
- (37 real changes made)
- (68 real changes made)
 (64 real changes made)
- (108 real changes made)
- (51 real changes made)
 (88 real changes made)

	20	maa 1	ahanaaa	m - d - 1	ı
- (0	rear	changes	made	1

(47 real changes made)

			Survey wave			
pr_ad8_5	1	2	3	4	5	Total
-1 0 1	7,931 210 104	6,851 138 83 3	5,644 108 43 4	4,625 68 37 7	8,157 108 64 5	46,571 767 410 30
Total	8,245	7,075	5,799	4,737	8,334	47,778

pr_ad8_5	Survey 6	wave 7	Total
-1 0 1	7,132 88 51	6,231 47 28 6	46,571 767 410 30
Total	7,276	6,312	47,778

			Survey wave	<u> </u>		
pr_ad8_5	1	2	3	4	5	Total
-1 0	269 210	740 138	742 108	610 68	602 108	4,391
1 .	104 0	83 3	43 4	37 7	64 5	410 30
Total	583	964	897	722	779	5,598

pr ad8 5	Survey 6	wave 7	Total
	+		+
-1	750	678	4,391
0	88	47	767
1	51	28	410
•	5	6] 30
Total	+ 894	759	5,598

(1,207 real changes made, 1,207 to missing)

- (98 real changes made) (215 real changes made)
- (68 real changes made)
- (153 real changes made) (44 real changes made)
- (107 real changes made)

- (35 real changes made) (70 real changes made) (61 real changes made) (112 real changes made)
- (41 real changes made)
 (98 real changes made)
- (25 real changes made)
- (50 real changes made)

pr_ad8_6	1	2	Survey wave	4	5	Total
-1 0 1	7,931 215 98 1	6,851 153 68 3	5,644 107 44 4	4,625 70 35 7	8,157 112 61 4	46,571 805 372 30
Total	8,245	7 , 075	5,799	4,737	8,334	47,778

pr_ad8_6	Survey 6	wave 7	Total
-1 0 1	7,132 98 41 5	6,231 50 25 6	46,571 805 372 30
Total	7 , 276	6 , 312	47,778
pr_ad8_6	 1	2	Survey wave
-1 0	269 215	740 153	742 107

583

pr_ad8_6	Survey wa	rve 7	Total
-1 0 1	750 98 41 5	678 50 25 6	4,391 805 372 30
Total	+ 894	759	5 , 598

964

(1,207 real changes made, 1,207 to missing)

(66 real changes made)

Total |

- (248 real changes made)
- (49 real changes made)
- (171 real changes made)
- (24 real changes made)
- (127 real changes made)
- (24 real changes made)
 (80 real changes made)
- (29 real changes made)
- (143 real changes made)
- (19 real changes made)
- (120 real changes made) (13 real changes made)
- (62 real changes made)

)	Survey wave			
Total	5	4	3	2	1	pr_ad8_7
46,571 951 224 32	8,157 143 29 5	4,625 80 24 8	5,644 127 24 4	6,851 171 49 4	7,931 248 66 0	-1 0 1
47,778	8,334	4,737	5 , 799	7,075	8,245	Total

Total 4,391

805

372

30

5,598

602 |

112 i

61

779 |

610

70

35

722

897

pr_ad8_7		y wave 7	Total
-1 0 1	7,132 120 19	6,231 62 13 6	46,571 951 224 32
Total	7 , 276	6 , 312	47,778

	1		Survey wave			
pr_ad8_7		2	3	4	5	Total
-1 0	269 248	740 171	742 127	610 80	602 143	4,391 951
1	66 0	49	24	24	29 5	224
Total	+ 583	964	 897	 722	 779	+ 5,598
	, , , , , , , , , , , , , , , , , , , ,					, ,,,,,,
pr_ad8_7	Survey 6	wave 7	Total			
-1 0	750 1 120	678 62	4,391 951			
1	19	13 6	224			
Total	+	759	+ 5,598			
(200 real changes made) (79 real changes made) (142 real changes made) (63 real changes made) (88 real changes made) (49 real changes made) (56 real changes made) (74 real changes made) (99 real changes made) (65 real changes made) (74 real changes made) (75 real changes made) (76 real changes made) (77 real changes made) (78 real changes made) (89 real changes made) (99 real changes made)						
pr_ad8_8	 1	2	Survey wave 3	4	5	Total
-1	+ 7 , 931	6,851	5,644	4,625	8,157	+ 46,571
0 1	200	142 79	88 63	56 49	99 74	699 479
	0 + 8,245	7,075	4 5,799	7 4,737	 8,334	29 + 47,778
Total	0,243	7,075	3, 199	4,/3/	0,334	47,770
pr_ad8_8	Survey	wave 7	Total			
-1 0	+ 7,132 74	6,231 40	46,571 46,571			
1	74 65 5	35 6	479 29			
Total	+ 7 , 276	6 , 312	+ 47 , 778			
	I		Survey wave			
pr_ad8_8	 1 +	2	3 	4	5	Total
-1 0 1	269 200 114 0	740 142 79 3	742 88 63 4	610 56 49 7	602 99 74 4	4,391 699 479 29
	+					+

964 897 722

583

Total |

5**,**598

779 |

pr_ad8_8	Survey v 6	vave 7	Total
-1 0 1	750 74 65 5	678 40 35 6	4,391 699 479 29
Total	894	759	5 , 598

183
184 tab pr_ad8_3 chgthink3 if wave==1, missing

pr_ad8_3	 -9 Missin		P DIFF REME -1 Inappl		2 NO, NO	Total
-1 0 1	168 0 0	2 4 0	7,494 0 0	126 0 129	25 177 0	7,931 181 133
Total	168	6	7,494	255	202	8,245

	R1 CP3C SP DIFF REMEMBER	
 pr ad8 3	APPT 3 DEMENT	Total
 -1 0 1	116 0 4	7,931 181 133
Total	120	8,245

185 tab chgthink1 dad8dem if wave==2 & proxy_ivw==1, missing //previous proxy ivw
> ad8 items indicated dementia

R1 CP3A SP DIFF REMEMBER DATE	REPORTED I		Total
-8 DK -1 Inapplicable 1 YES, A CHANGE 2 NO, NO CHANGE 3 DEMENTIA/ALZHEIMER	1 463 135 179 66	0 120 0 0	583 583 135 179 66
Total	+ 844	120	964

186 187 tab pr_ad8_1 wave, missing

				Survey wave	9		
pr_	_ad8_1	1	2	3	4	5 	Total
	-1 0 1 .	7,931 206 108 0	6,851 148 73 3	5,644 101 50 4	4,625 63 42 7	8,157 111 62 4	46,571 765 413 29
	Total	8,245	7,075	5 , 799	4,737	8,334	47,778

pr_ad8_1	Survey 6	wave 7	Total
-1 0 1	7,132 89 50	6,231 47 28 6	46,571 765 413 29
Total	7,276	6 , 312	47,778

188 tab pr_ad8_1 dad8dem if wave==2 & proxy_ivw==1, missing //previous proxy ivw a > d8 items indicated dementia

pr_ad8_1	R2 D DEN REPORTED IN -1 Inappl 3	PRIOR AD8	Total
-1 0 1	623 148 73 0	117 0 0 3	740 148 73 3
Total	844	120	964

189 tab pr_ad8_1 sr_dementia_ever if wave==2 & proxy_ivw==1, missing // reported d
> ementia directly

pr_ad8_1	-8	Self repor 0	t Dementia 1		Total
-1 0 1	0 1 0 1 1 0	0 148 72 3	237 0 0 0	503 0 0 0	740 148 73 3
Total	1	223	237	503	964

190

191 gen pr_ad8_score=(pr_ad8_1+pr_ad8_2+pr_ad8_3+pr_ad8_4+pr_ad8_5+pr_ad8_6+pr_ad8 > _7+pr_ad8_8) if proxy_ivw==1 & dem_3_cat==. (46,605 missing values generated)

192 tab pr_ad8_score proxy_ivw, missing

pr_ad8_sco	Inte	erview via p	roxy	
re	0	1	•	Total
0	I 0	364	0	364
1	0	166	0	166
2	0	113	0	113
3	0	94	0	94
4	0	90	0	90
5	0	94	0	94
6	0	78	0	78
7	0	78	0	78
8	0	96	0	96
	39,211	4,425	2,969	46,605
Total	39,211	5 , 598	2 , 969	47,778

193 tab pr ad8 score wave, missing

pr ad8 sco			Survey wave			
re	1	2	_ 3	4	5	Total
0	103 51	76 31	43 29	31 11	47 22	364
2	25	19	11	13	17	113
3 4	18 22	14 16	15 14	6 9	21 11	94
5	27 25	19 8	10 10	8	15 14	94
7	21	14	7	6	10	78
8	21 7 , 932	23 6 , 855	12 5,648	14 4,633	14 8 , 163	96 46,605
Total	8 , 245	7,075	5 , 799	4 , 737	8,334	47,778

pr ad8 sco	Survey	wave	
re	6	7	Total
			+
0	42	22	364
1	12	10	166
2	20	8	113
3	12	8	94
4	13	5	90
5	10	5	94
6	11	4	78
7	11	9	78
8	8	4	96
	7,137	6,237	46,605
Total	7 , 276	6,312	47,778

194

- 195 gen dem_via_proxy=1 if pr_ad8_score>=2 & pr_ad8_score~=. //from ad8 score dire
 > ctly
 (47,135 missing values generated)
- 196 replace dem_via_proxy=0 if inlist(pr_ad8_score,0,1)
 (530 real changes made)
- 197 replace dem_via_proxy=1 if (dad8dem==1 | dad8dem==1) & proxy_ivw==1 //if previ
 > ous interview ad8 indicated dementia
 (579 real changes made)
- 198 replace dem_via_proxy=-1 if sr_dementia_ever==1
 (3,316 real changes made)
- 199 tab dem_via_proxy wave if proxy_ivw==1 & ivw_type==1, missing

dem via pr			Survey wave	<u> </u>		
- oxy	1	2	3	4	5	Total
-1 0 1	269 154 159	237 107 116 1	219 72 83 0	206 42 65 5	306 69 103 5	1,720 530 662 15
Total	+ 583	461	374	318	483	2,927

dem_via_pr	Survey	wave	
oxy	[6	7	Total
-1 0 1	264 54 88 2	219 32 48 1	1,720 530 662 15
Total	408	300	2,927

```
200
201 //set 3 category dementia state variable
202 //first xwave variable for proxy allowed sp to answer cg section
203 /*2/14/19 Speaktosp already exists since removing prefixes.
> gen speaktosp=.
> forvalues w=1/$w{
> replace speaktosp=cg`w'speaktosp if wave==`w'
> }*/
204
205 replace dem 3 cat=1 if dem 3 cat==. & dem via proxy==1 //if proxy
```

205 replace dem_3_cat=1 if dem_3_cat==. & dem_via_proxy==1 //if proxy ivw indicate
> s dem
(662 real changes made)

206 replace dem_3_cat=3 if dem_3_cat==. & dem_via_proxy==0 & speaktosp==2 //proxy
> ind no dem
(262 real changes made)

207 tab dem_3_cat wave, missing

			Survey wave			
dem_3_cat	1	2	3	4	5	Total
-1 1 3	636 616 76 6,917	1,019 557 57 5,442	915 506 31 4,347	700 443 20 3,574	758 674 35 6,867	5,640 3,978 262 37,898
Total	8,245	7,075	5 , 799	4,737	8,334	47,778

dem_3_cat	Survey 6	wave 7	Total
-1 1 3 •	866 628 29 5,753	746 554 14 4,998	5,640 3,978 262 37,898
Total	7 , 276	6 , 312	47,778

212 tab todaydat1 speaktosp if wave==1 & ivw_type==1, missing

R1 CG6A TODAY'S DATE CORRCT MNTH		SPEAK TO SP 1 YES	ASK QUES 2 NO	Total
-7 RF -1 Inapplicable 1 YES 2 NO/DON'T KNOW	3 0 6,523 500	2 6 140 151	0 284 0 0	5 290 6,663 651
Total	7,026	299	284	7 , 609

^{210 ******************************}

^{211 //}current date questions

```
213
214 forvalues i = 1/4
    2.
               gen date item`i'=.
    3.
               forvalues w=1/$w{
                       replace date item`i'=1 if todaydat`i'==1 & wave==`w' //yes
    4.
                       replace date item i'=0 if inlist(todaydat i', 2, -7) & wave==
  > `w' //no, dont know, refused
               }
   7. }
  (47,778 missing values generated)
  (6,663 real changes made)
  (656 real changes made)
  (5,305 real changes made)
  (499 real changes made)
  (4,277 real changes made)
  (409 real changes made)
  (3,495 real changes made)
  (359 real changes made)
  (6,715 real changes made)
  (618 real changes made)
  (5,711 real changes made)
  (472 real changes made)
  (4,970 real changes made)
  (421 real changes made)
  (47,778 missing values generated)
  (5,845 real changes made)
  (1,474 real changes made)
  (4,261 real changes made)
  (1,543 real changes made)
  (3,336 real changes made)
  (1,350 real changes made)
  (2,744 real changes made)
  (1,110 real changes made)
  (5,585 real changes made)
(1,748 real changes made)
  (4,506 real changes made)
  (1,677 real changes made)
  (3,939 real changes made)
  (1,452 real changes made)
  (47,778 missing values generated)
  (6,620 real changes made)
  (699 real changes made)
  (5,302 real changes made)
  (502 real changes made)
  (4,266 real changes made)
  (420 real changes made)
  (3,500 real changes made)
  (354 real changes made)
  (6,673 real changes made)
  (660 real changes made)
  (5,668 real changes made)
  (515 real changes made)
  (4,930 real changes made)
  (461 real changes made)
  (47,778 missing values generated)
  (6,583 real changes made)
  (736 real changes made)
  (5,357 real changes made)
  (447 real changes made)
  (4,325 real changes made)
  (361 real changes made)
  (82 real changes made)
  (3,772 real changes made)
  (6,774 real changes made)
  (559 real changes made)
  (5,760 real changes made)
  (423 real changes made)
  (4,991 real changes made)
  (400 real changes made)
```

```
215 //count date questions correct
216 gen date sum=date item1+date item2+date item3+date item4
  (7,208 missing values generated)
```

217 tab date_sum wave, missing

		Su	rvey wave			
date_sum	1	2	3	4	5	Total
0	317	202	179	200	268	1,534
1	213	158	138	185	203	1,205
2	293	294	196	825	305	2,389
3	1,072	1,121	1,018	2,590	1,294	9,568
4	5,424	4,029	3,155	54	5,263	25,874
.	926	1,271	1,113	883	1,001	7,208
Total	8 , 245	7 , 075	5 , 799	4 , 737	8,334	47 , 778

date_sum	Survey 6	wave 7	Total
0 1 2 3 4	186 174 246 1,329 4,248 1,093	182 134 230 1,144 3,701 921	1,534 1,205 2,389 9,568 25,874 7,208
Total	7 , 276	6 , 312	47,778

```
218
219 //add categories for proxy says can't speak to sp or proxy says can speak but
 > sp unble to answer
```

220 forvalues w=1/\$w{

```
replace date_sum=-2 if date_sum==. & speaktosp==2 & wave==`w'
 2.
            replace date_sum=-3 if (date_item1==. | date_item2==. | date_item3=
 3.
> =. | ///
                 date_item4==. ) & speaktosp==1 & wave==`w'
```

4. } (284 real changes made) (6 real changes made) (250 real changes made) (2 real changes made) (197 real changes made) (1 real change made) (182 real changes made) (1 real change made) (237 real changes made) (6 real changes made) (220 real changes made)

(7 real changes made)

(170 real changes made)

(5 real changes made)

221 tab date_sum wave, missing

date_sum	1	Su 2	rvey wave 3	4	5	Total
-3 -2 0 1 2 3 4	284 317 213 293 1,072 5,424 636	2 250 202 158 294 1,121 4,029 1,019	1 197 179 138 196 1,018 3,155 915	1 182 200 185 825 2,590 54 700	6 237 268 203 305 1,294 5,263 758	28 1,540 1,534 1,205 2,389 9,568 25,874 5,640
	8,245	7 , 075	5,799	4,737	8,334	47,778

```
Survey wave
                                                 Total
date sum |
                       ____
                                     5 | 20
170 | 1,540
182 | 1,534
134 | 1,205
                 7 5 | 220 170 | 186 182 | 174 134 | 246 230 | 1,329 1,144 | 4,248 3,701 | 866 746 |
                220
186
       -2 |
         0 |
         1 |
         2 |
                                                2,389
         3 |
                                                   9,568
                                                  25,874
         4
                                                 5,640
   Total | 7,276 6,312 | 47,778
```

```
222
223 //new version date sum measure, without the extra categories
224 gen date sumr=date sum
  (5,640 missing values generated)
225 replace date sumr=. if date sum==-2
  (1,540 \text{ real changes made}, 1,5\overline{40} \text{ to missing})
226 replace date sumr=0 if date sum==-3
  (28 real changes made)
227
228 //president/vp items and count
229 capture program drop president
230 program define president
    1. args newv oldv
2. gen `newv'=.
    3.
               forvalues w=1/$w{
                        replace `newv'=1 if `oldv'==1 & wave==`w' //yes
replace `newv'=0 if inlist(`oldv',2,-7) & wave==`w' //no, r
    5.
  > efused
    6.
               tab `newv' wave, missing
    7.
    8. end
231
232 president preslast presidnal
  (47,778 missing values generated)
  (6,672 real changes made)
  (532 real changes made)
  (5,395 real changes made)
  (329 real changes made)
  (4,331 real changes made)
  (281 real changes made)
  (3,594 real changes made)
  (188 real changes made)
  (6,802 real changes made)
  (415 real changes made)
  (5,786 real changes made)
  (321 real changes made)
  (4,878 real changes made)
  (444 real changes made)
```

			Survey wave	<u>}</u>		
preslast	1	2	3	4	5	Total
0 1 •	532 6,672 1,041	329 5,395 1,351	281 4,331 1,187	188 3,594 955	415 6,802 1,117	2,510 37,458 7,810
Total	+ 8 , 245	7 , 075	5 , 799	4,737	8,334	47,778

preslast	Survey 6	wave 7	Total
0 1	321 5,786 1,169	444 4,878 990	2,510 37,458 7,810
Total	,276	6 , 312	47,778

```
233 president presfirst presidna3
```

(47,778 missing values generated)

(3,943 real changes made)

(3,261 real changes made)

(3,689 real changes made)

(2,035 real changes made)

(3,086 real changes made) (1,526 real changes made)

(2,640 real changes made)

(1,142 real changes made)

(4,841 real changes made)

(2,376 real changes made) (4,304 real changes made)

(1,803 real changes made) (4,324 real changes made)

(998 real changes made)

presfirst	 1	2.	Survey wave	4	5	Total
	+ 1 3,261	2,035	1,526	1,142	2,376	13,141
1	3,943 1,041	3,689 1,351	3,086 1,187	2,640 955	4,841 1,117	26,827 7,810
Total	+ 8 , 245	7 , 075	5 , 799	4,737	8,334	47,778

	Survey	wave	
presfirst	[6	7	Total
0 1	1,803 4,304 1,169	998 4,324 990	13,141 26,827 7,810
Total	7,276	6,312	47,778

234 president vplast vpname1

(47,778 missing values generated)

(3,387 real changes made)

(3,817 real changes made) (3,202 real changes made)

(2,522 real changes made)

(2,710 real changes made)

(1,902 real changes made)

(2,286 real changes made)

(1,496 real changes made)

(4,680 real changes made)

(2,537 real changes made)

(3,974 real changes made)

(2,133 real changes made) (3,053 real changes made)

(2,269 real changes made)

	I		Survey wave)		
vplast	1	2	_ 3	4	5	Total
0 1	3,817 3,387 1,041	2,522 3,202 1,351	1,902 2,710 1,187	1,496 2,286 955	2,537 4,680 1,117	16,676 23,292 7,810
Total	8,245	7,075	5 , 799	4,737	8,334	47,778

vplast	Survey 6	wave 7	Total
	+		+
0 1 •	2,133 3,974 1,169	2,269 3,053 990	16,676 23,292 7,810
Total	,276	6,312	47,778

235 president vpfirst vpname3

(47,778 missing values generated)
(2,587 real changes made)
(4,617 real changes made)
(2,589 real changes made)

(3,135 real changes made)

(2,259 real changes made) (2,353 real changes made)

(1,932 real changes made)

(1,850 real changes made) (3,902 real changes made) (3,315 real changes made)

(3,451 real changes made)

(2,656 real changes made) (1,438 real changes made)

(3,884 real changes made)

			Survey wave			
vpfirst	1	2	3	4	5	Total
0 1 •	4,617 2,587 1,041	3,135 2,589 1,351	2,353 2,259 1,187	1,850 1,932 955	3,315 3,902 1,117	21,810 18,158 7,810
Total	8,245	7 , 075	5 , 799	4 , 737	8 , 334	47,778

vpfirst	Survey 6	wave 7	Total
0 1	2,656 3,451 1,169	3,884 1,438 990	21,810 18,158 7,810
Total	7,276	6 , 312	47,778

236

237 //count president questions correct

238 gen presvp=preslast+presfirst+vplast+vpfirst (7,810 missing values generated)

239 tab presvp wave, missing

			Survey wave			
presvp	1 +	2	3	4	5	Total
0 1 2 3 4	1, 459 1,940 1,807 957 2,041 1,041	295 1,184 1,241 807 2,197 1,351	245 805 1,028 611 1,923 1,187	170 638 797 488 1,689 955	361 1,100 1,441 1,017 3,298 1,117	2,214 6,991 9,047 6,214 15,502 7,810
Total	+ 8,245	 7 , 075	 5 , 799	4,737	8,334	47,778

	Survey	wave	
presvp	6	7	Total
0 1 2 3 4	279 880 1,190 777 2,981 1,169	405 444 1,543 1,557 1,373 990	2,214 6,991 9,047 6,214 15,502 7,810
Total	7,276	6 , 312	47,778

```
240
241 //add categories for proxy says can't speak to sp or proxy says can speak but
> sp unble to answer
242 forvalues w=1/$w{
2. replace presvp=-2 if presvp==. & speaktosp==2 & wave==`w'
3. replace presvp=-3 if presvp==. & (preslast==. | presfirst==. | vpla
> st==. | ///
> vpfirst==. ) & speaktosp==1 & wave==`w'
4. }
(284 real changes made)
(121 real changes made)
(250 real changes made)
(82 real changes made)
(197 real changes made)
(197 real changes made)
(75 real changes made)
```

243 tab presvp wave, missing

(182 real changes made) (73 real changes made) (237 real changes made) (122 real changes made) (220 real changes made) (83 real changes made) (170 real changes made) (74 real changes made)

I			Survey wave			
presvp	1	2	3	4	5	Total
-3 -2	121 284	82 250	75 197	73 182	122 237	630
0	459	295	245	170	361	2,214
1 2	1,940 1,807	1,184 1,241	805 1 , 028	638 797	1,100 1,441	6,991 9,047
3 4	957 2 , 041	807 2 , 197	611 1 , 923	488 1 , 689	1,017 3,298	6,214 15,502
.	636	1,019	915	700	758	5,640 +
Total	8,245	7,075	5,799	4,737	8,334	47,778

presvp	Survey 6	wave 7	Total
-3 -2 0 1 2 3 4	83 220 279 880 1,190 777 2,981 866	74 170 405 444 1,543 1,557 1,373 746	630 1,540 2,214 6,991 9,047 6,214 15,502 5,640
Total	+ 7 , 276	6 , 312	47,778

244
245 //new version president sum measure, without the extra categories
246 gen presvpr=presvp
 (5,640 missing values generated)

247 replace presvpr=. if presvp==-2 (1,540 real changes made, 1,540 to missing)

248 replace presvpr=0 if presvp==-3 (630 real changes made)

249

250 //total orientation domain, date and president questions
251 gen date_prvp=date_sumr+presvpr
 (7,180 missing values generated)

252 tab date_prvp, missing

Cum.	Percent	Freq.	date_prvp
2.43 3.83 5.67 8.61 15.03 28.36 44.53 60.80 84.97 100.00	2.43 1.40 1.84 2.93 6.42 13.33 16.17 16.27 24.17 15.03	1,162 670 878 1,402 3,068 6,368 7,726 7,774 11,550 7,180	0 1 2 3 4 5 6 7 8
	100.00	47,778	Total

253
254 //executive function domain, clock drawing score
255 gen clock_scorer=.
 (47,778 missing values generated)

256 forvalues $w=1/$w{}$

- 2. replace clock_scorer=dclkdraw if wave==`w'
- 3. replace clock_scorer=. if inlist(dclkdraw,-2,-9) & wave==`w' //miss
 > ing
- 4. replace clock_scorer=0 if inlist(dclkdraw,-3,-4,-7) & wave==`w' //r > efused,unable
 - 5. //assign mean values where missing response

```
257
            replace clock scorer=2 if dclkdraw==-9 & speaktosp==1 & wave==`w' //pr
 > oxy
                replace clock scorer=3 if dclkdraw==-9 & speaktosp==-1 & wave==`w'
   6.
 > //self
  (8,245 real changes made)
 (347 real changes made, 347 to missing) (344 real changes made)
  (4 real changes made)
  (59 real changes made)
  (7,075 real changes made)
  (357 real changes made, 357 to missing)
  (195 real changes made)
  (81 real changes made)
(26 real changes made)
  (5,799 real changes made)
  (278 real changes made, 278 to missing)
  (147 real changes made)
  (72 real changes made)
  (9 real changes made)
  (4,737 real changes made)
  (256 real changes made, 256 to missing)
  (110 real changes made)
  (68 real changes made)
  (6 real changes made)
  (8,334 real changes made)
  (540 real changes made, 540 to missing)
  (139 real changes made)
  (113 real changes made)
  (11 real changes made)
  (7,276 real changes made)
  (480 real changes made, 480 to missing)
  (110 real changes made)
  (73 real changes made)
(10 real changes made)
  (6,312 real changes made)
  (399 real changes made, 399 to missing)
  (69 real changes made)
  (69 real changes made)
  (2 real changes made)
```

258 tab clock scorer wave, missing //left as -1 if inapplicable

clock scor		Su	rvey wave			
er	1	2	3	4	5	Total
-1	636	1,019	915	700	579	5,126
0	416	250	186	153	204	1,501
2	332 950	183 869	128 606	125 447	265 954	1,406 5,152
3	1,991	1,303	1,042	847	1,563	8,999
4	2,673	2,246	1,891	1,160	2,536 j	14,677
5	963	955	834	1,123	1,817	8,863
.	284	250	197	182	416	2,054
Total	8,245	7,075	5,799	4,737	8,334	47,778

clock_scor er	Survey 6	wave 7	Total
-1 0 1 2 3 4 5	689 170 197 734 1,183 2,249 1,657 397	588 122 176 592 1,070 1,922 1,514 328	5,126 1,501 1,406 5,152 8,999 14,677 8,863 2,054
Total	7,276	6 , 312	47,778

```
260 //memory domain, word recall, uses derived scores, not raw responses
261 capture program drop recall
262 program define recall
    1. args newv oldv
2. gen `newv'=.
                  forvalues w=1/$w{
                         replace `newv'=`oldv' if wave==`w'
replace `newv'=. if inlist(`oldv',-2,-1) & wave==`w' //n/a
    4.
  > or not asked
                           replace `newv'=0 if inlist(`oldv',-7,-3) & wave==`w' //refu
  > sed or unable
    7.
                  tab `newv' wave, missing
    8.
    9. end
263
264 recall irecall dwrdimmrc
  (47,778 missing values generated)
  (8,245 real changes made)
  (920 real changes made, 920 to missing)
  (261 real changes made)
(7,075 real changes made)
  (1,269 real changes made, 1,269 to missing)
  (170 real changes made)
  (5,799 real changes made)
  (1,112 real changes made, 1,112 to missing)
  (141 real changes made)
  (4,737 real changes made)
  (882 real changes made, 882 to missing)
  (117 real changes made)
  (8,334 real changes made)
  (995 real changes made, 995 to missing)
  (194 real changes made)
  (7,276 real changes made)
   (1,086 real changes made, 1,086 to missing)
  (142 real changes made)
  (6,312 real changes made)
  (916 real changes made, 916 to missing)
  (117 real changes made)
                    Survey wave 1 2 3
                                                                                  5 |
                                                                                             Total
     irecall |
            -9 | 0 0 0 0 0 9 | 9

0 | 392 261 212 162 283 | 1,744

1 | 169 124 101 78 157 | 892

2 | 496 344 252 203 444 | 2,384

3 | 937 738 608 485 919 | 5,054

4 | 1,539 1,163 911 781 1,417 | 8,038

5 | 1,710 1,294 1,090 866 1,728 | 9,381

6 | 1,262 1,014 856 714 1,322 | 7,360

7 | 594 562 431 376 745 | 3,879

8 | 184 221 194 142 242 | 1,427

9 | 36 51 27 40 66 347

10 6 34 5 8 7 83

. | 920 1,269 1,112 882 995 | 7,180
  _____
```

Total | 8,245 7,075 5,799 4,737 8,334 | 47,778

irecall	Survey	wave 7	Total
-9 0 1 2 3 4 5 6 7 8 9	0 230 144 336 728 1,185 1,454 1,172 609 253 68 11 1,086	0 204 119 309 639 1,042 1,239 1,020 562 191 59 12	9 1,744 892 2,384 5,054 8,038 9,381 7,360 3,879 1,427 347 83 7,180
Total	+ 7 , 276	6,312	47,778

```
265 recall drecall dwrddlyrc
  (47,778 missing values generated)
  (8,245 real changes made)
  (920 real changes made, 920 to missing) (286 real changes made)
  (7,075 real changes made)
  (1,269 real changes made, 1,269 to missing)
  (204 real changes made)
  (5,799 real changes made)
  (1,112 real changes made, 1,112 to missing)
  (155 real changes made)
  (4,737 real changes made)
  (882 real changes made, 882 to missing)
  (125 real changes made)
  (8,334 real changes made)
  (995 real changes made, 995 to missing)
  (215 real changes made)
(7,276 real changes made)
(1,086 real changes made, 1,086 to missing)
  (155 real changes made)
  (6,312 real changes made)
  (916 real changes made, 916 to missing)
  (125 real changes made)
```

drecall	 1	2	Survey wave	4	5	Total
	+				9	+9
0	1,395	1,021	832	656	1,228	6,937
1	589	413	305	270	525	2,904
2	876	623	479	374	744	4,258
3	1,216	924	734	634	1,184	6,475
4	1,411	1,104	921	695	1,391	7,739
5	1,036	911	731	630	1,176	6,432
6	526	515	426	363	666	3,632
7	195	203	182	159	305	1,542
8	61	74	51	54	81	492
9	19	13	20	20	30	160
10	1	5	6	0	0	18
·	920	1,269	1,112	882	995	7,180
Total	8,245	7 , 075	5 , 799	4,737	8,334	47,778

	Survey	y wave	
drecall	[6	7	Total
-9 0 1 2 3 4 5 6 7	0 991 418 596 950 1,171 1,058 615 260	0 814 384 566 833 1,046 890 521 238	9 6,937 2,904 4,258 6,475 7,739 6,432 3,632 1,542
8 9 10	98 27 6 1,086	73 31 0 916	492 160 18
Total	7,276	6,312	47,778

267 gen wordrecall0_20=irecall+drecall (7,180 missing values generated)

268

269 //overall cognitive domain score, assigns cutoffs for each of the domain varia > bles

270 gen clock65=0 if clock_scorer>1 & clock_scorer<=5
 (10,087 missing values generated)</pre>

271 replace clock65=1 if inlist(clock_scorer,0,1)
 (2,907 real changes made)

272

273 gen word65=0 if wordrecall0_20>3 & wordrecall0_20<=20
 (12,837 missing values generated)</pre>

274 replace word65=1 if inlist(wordrecall0_20,0,1,2,3)
 (5,648 real changes made)

275

276 gen datena65=0 if date_prvp>3 & date_prvp<=8
 (11,292 missing values generated)</pre>

277 replace datena65=1 if inlist(date_prvp,0,1,2,3)
 (4,112 real changes made)

278

279 gen domain65=clock65+word65+datena65
 (7,189 missing values generated)

280 tab domain65 wave, missing

			Survey wave	è		
domain65	1 +	2	3	4	5	Total
0 1 2 3	5,577 1,071 417 260 920	4,553 784 366 103 1,269	3,738 541 326 82 1,112	2,919 551 300 85 882	5,906 866 425 133 1,004	32,156 5,065 2,508 860 7,189
Total	8,245	7,075	5 , 799	4,737	8,334	47,778

	Survey	wave	
domain65	6	7	Total
0 1 2 3	5,072 654 358 106 1,086	4,391 598 316 91	32,156 5,065 2,508 860 7,189
Total	7,276	6,312	47,778

282 //now apply to dementia 3 category variable 283 replace dem_3_cat=1 if dem_3_cat==. & inlist(speaktosp,1,-1) & inlist(domain65 > ,2,3) _____ (1,873 real changes made)

284 replace dem_3_cat=2 if dem_3_cat==. & inlist(speaktosp,1,-1) & domain65==1 (4,524 real changes made)

285 replace $dem_3_cat=3$ if $dem_3_cat==$. & inlist(speaktosp,1,-1) & domain65==0 (31,481 real changes made)

287 la def dem3 1"Probable dementia" 2"Possible dementia" 3"No dementia"

288 la val dem 3 cat dem3

289 la var dem_3_cat "Dementia likelihood, 3 categories"

291 tab dem 3 cat wave, missing

Dementia likelihood, 3 categories	 1	Surve 2	y wave 3	4	Total
-1 Probable dementia Possible dementia No dementia	636 1,038 996 5,575	1,019 840 675 4,540	915 718 478 3,688	700 662 498 2,873	5,640 5,851 4,524 31,743
Total	8,245	7,075	5 , 799	4,737	47,778
Domontia	I.				

Dementia likelihood, 3 categories	 5	Survey wave	7	Total
-1 Probable dementia Possible dementia No dementia	758 961 779 5,823	866 862 572 4,975	746 770 526 4,269	5,640 5,851 4,524 31,743
Total	8,334	7 , 276	6,312	47,778

```
293 gen dem 2 cat=1 if inlist(dem 3 cat,1,2)
  (37,403 missing values generated)
294 replace dem_2_cat=0 if dem_3_cat==3
  (31,743 real changes made)
295 la var dem 2 cat "Ind prob/possible dementia"
296 tab dem_2_cat wave, missing
         Ind |
 prob/possi |
  ble | Survey wave dementia | 1 2 3 4 5 | Total

    0 |
    5,575
    4,540
    3,688
    2,873
    5,823 |
    31,743

    1 |
    2,034
    1,515
    1,196
    1,160
    1,740 |
    10,375

    . |
    636
    1,020
    915
    704
    771 |
    5,660

       Total | 8,245 7,075 5,799 4,737 8,334 | 47,778
        Ind |
  prob/possi |
                 Survey wave 6 7 | Total
      ble |
   dementia |
           0 | 4,975 4,269 | 31,743
1 | 1,434 1,296 | 10,375
. | 867 747 | 5,660
           . |
     Total | 7,276 6,312 | 47,778
297 *************
298 //rate memory
299 gen memory=.
  (47,778 missing values generated)
300 forvalues w=1/$w{}
    2. replace memory=ratememry if wave==`w' & proxy ivw==0 //self interview
    3. replace memory=memrygood if wave==`w' & proxy ivw==1 //proxy interview
    4.
301 }
  (7,026 real changes made)
  (583 real changes made)
  (5,595 real changes made)
  (964 real changes made)
  (4,510 real changes made)
  (897 real changes made)
  (3,719 real changes made)
  (722 real changes made)
  (7,093 real changes made)
  (779 real changes made)
  (6,002 real changes made)
  (894 real changes made)
  (5,266 real changes made)
  (759 real changes made)
```

```
302 replace memory=. if inlist(memory,-1) (319 real changes made, 319 to missing)
```

303 la var memory "Rate memory 1=Excell, 5=Poor"

304 la def mem 1"Excellent" 2"Very good" 3"Good" 4"Fair" 5"Poor"

305 la val memory mem

306 tab memory wave, missing

Rate memory 1=Excell, 5=Poor	1	2	Survey wave	4	5	Total
-8	2	17	20	15	13	99
-7	4	5	2	0	0	14
Excellent	912	685	486	335	770	4,233
Very good	2,290	1,837	1,463	1,153	2,249	12,499
Good	2,615	2,269	1,891	1,656	2,799	15,984
Fair	1,314	1,180	1,026	875	1,470	8,398
Poor	472	439	402	388	562	3,263
.	636	643	509	315	471	3,288
Total	8,245	7 , 075	5 , 799	4,737	8,334	47,778

Rate memory 1=Excell, 5=Poor	 Survey 6	y wave 7	Total
-8 -7 Excellent Very good Good Fair Poor	1 16 1 583 1,915 2,516 1,332 507 406	16 2 462 1,592 2,238 1,201 493 308	99 14 4,233 12,499 15,984 8,398 3,263 3,288
Total	7,276	6,312	47,778

313 replace sr_numconditions1=. if ivw_type!=1 (5,640 real changes made, 5,640 to missing)

314 la var sr numconditions1 "Count medical conditions"

315 tab sr_numconditions1 wave, missing

Count medical conditions	 1	2	Survey wave	4	5	Total
	+					+
0 1 2	570 1,163 1,685	357 840 1,287	233 613 957	161 444 746	449 1,003 1,556	2,311 5,390 8,520
3 4	1,606 1,107	1 , 275 931	1,029 830	854 719	1,601 1,254	8,940 6,908
5 6	728 389	652 379	578 298	509 285	791 492	4,702 2,668
7 8	213 99	185 84	183 90	175 83	235 113	1,489
9 10	32	40 19	43 20	37 15	47 20	300
10 11 12	13 2 0	4	8 2	7 2	12 3	52
13	0 636	0 1,019	0 915	700	0 758	1 5,640
Total	8,245	7 , 075	5 , 799	4,737	8,334	47,778

Count medical conditions	 Survey 6	wave 7	Total
0 1 2 3 4 5 6 7 8 9 10 11 12 13	310 743 1,240 1,382 1,103 753 431 242 122 52 20 9 1 3 0 866	231 584 1,049 1,193 964 691 394 256 123 49 18 10 3	2,311 5,390 8,520 8,940 6,908 4,702 2,668 1,489 714 300 127 52 16 1
Total	7 , 276	6 , 312	47,778

³¹⁶ 317

³¹⁸ local ivars srh srh fp sr ami raw sr ami ever sr ami new sr stroke raw sr stro

> ke_ever sr_stroke_new sr_cancer_raw sr_cancer_ever sr_cancer_new /7/
> sr_hip_raw sr_hip_ever sr_hip_new sr_heart_dis_raw sr_heart_dis_ever sr_heart_
> dis_new sr_htn_raw sr_htn_ever sr_htn_new sr_ra_raw /7/

> sr_ra_ever_sr_ra_new_sr_osteoprs_raw_sr_osteoprs_ever_sr_osteoprs_new_sr_diabe
> tes_raw_sr_diabetes_ever_sr_diabetes_new_sr_lung_dis_raw_///
> sr_lung_dis_ever_sr_lung_dis_new_sr_dementia_raw_sr_dementia_ever_sr_dementia_

319 foreach w i 2. tab `w' 3. }	n `ivars'{		
Self reported health, categorical	Freq.	Percent	Cum.
-8 -7 Excellent Very good Good Fair Poor	31 2 4,657 11,993 14,294 8,450 2,711	0.07 0.00 11.05 28.46 33.92 20.05 6.43	0.07 0.08 11.13 39.59 73.51 93.57
Total	42,138	100.00	
Self reported health=fair /poor	Freq.	Percent	Cum.
+ -8 -7 0 1	31 2 30,944 11,161	0.07 0.00 73.43 26.49	0.07 0.08 73.51 100.00
+ Total	42,138	100.00	
Self report Heart Attack, Raw	Freq.	Percent	Cum.
	58 1 39,550 2,529	0.14 0.00 93.86 6.00	0.14 0.14 94.00 100.00
+ Total	42,138	100.00	
Ever Self report Heart Attack	Freq.	Percent	Cum.
-8 -7 0 1	120 3 35,023 6,992	0.28 0.01 83.12 16.59	0.28 0.29 83.41 100.00
Total	42,138	100.00	
Self report Heart Attack since prev year	Freq.	Percent	Cum.
-8 -7 0 1	50 1 33,113 1,365	0.14 0.00 95.90 3.95	0.14 0.15 96.05 100.00
+ Total	34,529	100.00	

Self report Stroke, Raw	Freq.	Percent	Cum.
-8 -7 0 1	60 1 39,924 2,153	0.14 0.00 94.75 5.11	0.14 0.14 94.89 100.00
Total	42,138	100.00	
Ever Self report Stroke	Freq.	Percent	Cum.
-8 -7 0 1	122 3 36,555 5,458	0.29 0.01 86.75 12.95	0.29 0.30 87.05 100.00
Total	42,138	100.00	
Self report Stroke since prev year	Freq.	Percent	Cum.
-8 -7 0 1	52 1 33,215 1,261	0.15 0.00 96.19 3.65	0.15 0.15 96.35 100.00
Total	34,529	100.00	
Self report Cancer, Raw	Freq.	Percent	Cum.
-8 -7 0 1	37 3 37,348 4,750	0.09 0.01 88.63 11.27	0.09 0.09 88.73 100.00
Total	42,138	100.00	
Ever Self report Cancer	Freq.	Percent	Cum.
-8 -7 0 1	85 10 29,831 12,212	0.20 0.02 70.79 28.98	0.20 0.23 71.02 100.00
Total	42,138	100.00	
Self report Cancer since prev year	Freq.	Percent	Cum.
-8 -7 0 1	35 2 31,695 2,797	0.10 0.01 91.79 8.10	0.10 0.11 91.90 100.00
Total	34,529	100.00	

Self report Hip	 			
Fracture, Raw	 Freq.	Percent	Cum.	
-8 -7 0 1	15 1 41,145 977	0.04 0.00 97.64 2.32	0.04 0.04 97.68 100.00	
Total	+ 42,138	100.00		
Ever Self report Hip Fracture (since age 50)	 Freq.	Percent	Cum.	
-8 -7 0 1	34 34 39,564 2,537	0.08 0.01 93.89 6.02	0.08 0.09 93.98 100.00	
Total	42,138	100.00		
Self report Hip Fracture since prev year	 Freq.	Percent	Cum.	
	+ 1 11	0.03	0.03	
-7 0 1		0.00 98.23 1.73	0.03 98.27 100.00	
Total	34,529	100 00		
	J4, J29	100.00		
sr_heart_c		Freq.	Percent	Cum.
	dis_raw 		0.18 0.00 77.95 6.75 15.12	Cum. 0.18 0.19 78.13 84.88 100.00
sr_heart_c	dis_raw 	Freq. 77 1 32,845 2,844	0.18 0.00 77.95 6.75	0.18 0.19 78.13 84.88
sr_heart_c	dis_raw 	77 1 32,845 2,844 6,371	0.18 0.00 77.95 6.75 15.12	0.18 0.19 78.13 84.88
sr_heart_c	dis_raw	77 1 32,845 2,844 6,371 42,138	0.18 0.00 77.95 6.75 15.12	0.18 0.19 78.13 84.88
Previously re	dis_raw -8 -7 No Yes eported Total	Freq. 77 1 32,845 2,844 6,371	0.18 0.00 77.95 6.75 15.12 100.00 Cum. 0.18 0.19 78.13	0.18 0.19 78.13 84.88
Previously re	dis_raw -8 -7 No Yes eported Total	Freq. 77 1 32,845 2,844 6,371 42,138 Percent 0.18 0.00 77.95 21.87	0.18 0.00 77.95 6.75 15.12 100.00 Cum. 0.18 0.19 78.13	0.18 0.19 78.13 84.88
sr_heart_c Previously re Self report Heart Disease -8 -7 0 1 Total Self report Heart Disease since prev	dis_raw	Freq. 77 1 32,845 2,844 6,371 42,138 Percent 0.18 0.00 77.95 21.87	0.18 0.00 77.95 6.75 15.12 100.00 Cum. 0.18 0.19 78.13 100.00	0.18 0.19 78.13 84.88

sr_l	ntn_raw	 +	Freq.	Percent	Cum.
Previously re	-8 No Yes eported	 	43 12,220 8,331 21,544	0.10 29.00 19.77 51.13	0.10 29.10 48.87 100.00
	Total	+ 	42,138	100.00	
Self report high blood pressure	 F:	req.	Percent	Cum.	
-8 0 1		43 ,220 ,875	0.10 29.00 70.90	0.10 29.10 100.00	
Total	+ 42,	,138	100.00		
Self report high blood pressure since prev year	 F1	req.	Percent	Cum.	
-8 0 1		33 ,273 ,223	0.10 90.57 9.33	0.10 90.67 100.00	
Total	+	 ,529	100.00		
sr	_ra_raw		Freq.	Percent	Cum.
Previously re	-8 -7 No Yes eported	+ 	44 1 15,616 7,551 18,926	0.10 0.00 37.06 17.92 44.91	0.10 0.11 37.17 55.09 100.00
	Total	+ 	42,138	100.00	
Self report arthritis	 F1	req.	Percent	Cum.	
-8 -7 0 1		44 1 ,616 ,477	0.10 0.00 37.06 62.83	0.10 0.11 37.17 100.00	
Total	+ 42,	,138	100.00		
Self report arthritis since prev year	 F1	ceq.	Percent	Cum.	
-8 0 1		29 ,197 ,303	0.08 90.35 9.57	0.08 90.43 100.00	
Total	+ 34,	,529	100.00		
sr_osteop	prs_raw		Freq.	Percent	Cum.
Previously re	-8 -7 No Yes eported	 	131 1 31,161 3,165 7,680	0.31 0.00 73.95 7.51 18.23	0.31 0.31 74.26 81.77 100.00
	Total	İ	42,138	100.00	

-8 131 0.31 0.31 -7 1 0.00 0.31 0 31,161 73.95 74.26 1 10,845 25.74 100.00 Total 42,138 100.00 Self report osteoporosi s since	Self report osteoporosi s	 	2 0	Percent	Cum.	
7 1 0.00 0.31 0 31,161 73.95 74.26 1 10,845 25.74 100.00 Total 42,138 100.00 Self report osteoporosi s since		+				
1 10,845 25.74 100.00 Total 42,138 100.00 Self report osteoporosi s since		'				
Total 42,138 100.00 Self report osteoporosi s since						
Self report osteoporosi s since		+				
osteoporosi s since		42,138		100.00		
s since	Self report osteoporosi					
prev year Freq. Percent Cum.	s since	 Fr	-a	Percent	Ciim	
		+	Freq.			
-7 1 0.00 0.30	-8 104 -7 1		0.00	0.30		
0 32,818 95.04 95.35 1 1,606 4.65 100.00		32,818 1,606				
Total 34,529 100.00	Total	34,	 529	100.00		
sr_diabetes_raw Freq. Percent Cum.	sr_diabe	tes_raw		Freq.	Percent	Cum.
-8 22 0.05 0.05						
-7 2 0.00 0.06 No 30,435 72.23 72.28						
Yes 3,355 7.96 80.25 Previously reported 8,324 19.75 100.00						
Total 42,138 100.00		+				
	0.16	TOCAL		42,130	100.00	
Self report diabetes Freq. Percent Cum.		 Fr	eq.	Percent	Cum.	
-8 22 0.05 0.05		į				
-7 2 0.00 0.06 0 30,435 72.23 72.28		30,	2 30,435			
1 11,679 27.72 100.00	1	11,	679 	27.72	100.00	
Total 42,138 100.00	Total	42,	42,138			
Self report		ļ				
diabetes since prev	diabetes since prev					
year Freq. Percent Cum.	year Freq		eq.	Percent	Cum.	
-8 20 0.06 0.06 -7 1 0.00 0.06	-8 -7					
0 33,078 95.80 95.86	0		078	95.80	95.86	
1 1,430 4.14 100.00	1	+		4.14	100.00	
Total 34,529 100.00	Total	34,	529	100.00		
sr_lung_dis_raw Freq. Percent Cum.	sr_lung_dis_raw			Freq.	Percent	Cum.
-8 30 0.07 0.07 -7 1 0.00 0.07						
No 34,367 81.56 81.63		No		34,367	81.56	81.63
Yes 2,362 5.61 87.24 Previously reported 5,378 12.76 100.00	Previously re					
Total 42,138 100.00		+		42,138	100.00	

Self report Lung Disease		req.	Percent	Cum.		
-8 -7 0 1		30 1 ,367 ,740	0.07 0.00 81.56 18.37	0.07 0.07 81.63 100.00		
			100.00			
Self report Lung Disease since prev year	 - 	req.	Percent	Cum.	Cum.	
-8 -7 0	 33.	25 1 ,295	0.07 0.00 96.43 3.50	0.08 96.50		
			100.00			
sr_dement	ia_raw		Freq.	Percent	Cum.	
-8 -7 No Yes Previously reported		 	33 2 38,787 1,371 1,945	0.08 0.00 92.05 3.25 4.62	0.08 0.08 92.13 95.38 100.00	
	Total		42,138	100.00		
Self report Dementia	 F:	req.	Percent	Cum.		
-8 -7 0 1	38.	2 ,787	0.08 0.00 92.05 7.87	0.08 92.13		
			100.00			
Self report Dementia since prev year	 	req.	Percent	Cum.		
-8 -7 0 1	ĺ	27 2 ,586 914	0.08 0.01 97.27 2.65	0.08 0.08 97.35 100.00		
Total	34,	529	100.00			
20 21 ********* 22 save round file round_1 23 24 ******* 25 log close name: log: > 2019.smcl log type:	1_\${w}_c _7_cleand ******** <unnamed E:\nhats</unnamed 	clean 72.dt ****	v2.dta, repl a saved ******	ace ******	**	ts_cleaning4_Apr