



```

-----
      name:  <unnamed>
      log:   E:\nhats\nhats_code\NHATS data setup\logs\4_nhats_cleaning_18_Apr_
> 2019.smcl
      log type:  text
      opened on: 18 Apr 2019, 13:08:29

1 .
2 .
3 .
4 . cd "${work}"
   E:\nhats\data\NHATS working data

5 .
6 . *****
7 .
8 . use round_1_${w}_cleanv2.dta

9 .
10. *****
11. //fall in the last month
12. gen fall_last_month=.
   (47,778 missing values generated)

13. forvalues w=1/$w{
    2.      replace fall_last_month=1 if fllsinmth==1 & wave=="w"
    3.      replace fall_last_month=0 if fllsinmth==2 & wave=="w"
    4.      replace fall_last_month = -7 if fllsinmth==-7 & wave=="w"
    5.      replace fall_last_month = -8 if fllsinmth==-8 & wave=="w"
    6. }
   (832 real changes made)
   (6,777 real changes made)
   (0 real changes made)
   (0 real changes made)
   (750 real changes made)
   (5,302 real changes made)
   (0 real changes made)
   (4 real changes made)
   (573 real changes made)
   (4,304 real changes made)
   (1 real change made)
   (6 real changes made)
   (486 real changes made)
   (3,548 real changes made)
   (0 real changes made)
   (3 real changes made)
   (884 real changes made)
   (6,686 real changes made)
   (0 real changes made)
   (6 real changes made)
   (755 real changes made)
   (5,652 real changes made)
   (0 real changes made)
   (3 real changes made)
   (667 real changes made)
   (4,894 real changes made)
   (0 real changes made)
   (5 real changes made)

14. la var fall_last_month "Fall down in last month"

```

15. tab fall\_last\_month wave, missing

Fall down   in last   month	1	2	3	4	5	Total
-8	0	4	6	3	6	27
-7	0	0	1	0	0	1
0	6,777	5,302	4,304	3,548	6,686	37,163
1	832	750	573	486	884	4,947
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Fall down   in last   month	6	7	Total
-8	3	5	27
-7	0	0	1
0	5,652	4,894	37,163
1	755	667	4,947
.	866	746	5,640
Total	7,276	6,312	47,778

16.

17. \*\*\*\*\*

18. //self care help, using the derived variables in the SC section

19. //uses the "has help" variables (has difficulty, uses devices other options)

20. //if don't know, refused, or not done, set to missing

21. tab deathhelp, missing

R1 D HAS HELP EATING	Freq.	Percent	Cum.
-1 Inapplicable	3,017	6.31	6.31
1 No help eating in last month	40,335	84.42	90.74
2 Help eating in last month	4,175	8.74	99.47
3 DKRF help eating in last month	98	0.21	99.68
8 Not done in last month	153	0.32	100.00
Total	47,778	100.00	

22. rename eatslfdif eatdif

23. rename eatslfoft eatoft

24. capture program drop selfcare

25. program define selfcare

```

1.     args act
2.     gen adl_`act'_diff=.
3.     gen adl_`act'_help=.
4.     gen adl_`act'_not_done=.
5.     forvalues w=1/$w{
6.         replace adl_`act'_help=1 if `act'hlp==1 & wave==`w' //yes
7.         replace adl_`act'_help=0 if `act'hlp==2 & wave==`w' //no
8.         replace adl_`act'_help=0 if `act'hlp==-1 & sp_ivw==1 & wave
> ==`w' //bias to null
9.         replace adl_`act'_help=-7 if `act'hlp==-7 & wave==`w' //ref
> used
10.        replace adl_`act'_help=-8 if `act'hlp==-8 & wave==`w' //DK
11.        replace adl_`act'_diff=`act'dif>1 if `act'dif>0 & wave==`w'
12.        replace adl_`act'_not_done=`act'oft==4 if `act'oft>0 & wave
> ==`w'
13.    }
14.    tab adl_`act'_help wave, missing
15.    tab adl_`act'_help wave if ivw_type==1, missing
16.    *replace adl_`act'_diff=1 if adl_`act'_help==1

```

26.

27. end

28.

29. selfcare eat

(47,778 missing values generated)

(47,778 missing values generated)

(47,778 missing values generated)

(420 real changes made)

(7,180 real changes made)

(6 real changes made)

(1 real change made)

(2 real changes made)

(7,540 real changes made)

(419 real changes made)

(648 real changes made)

(5,843 real changes made)

(55 real changes made)

(4 real changes made)

(9 real changes made)

(6,003 real changes made)

(359 real changes made)

(622 real changes made)

(4,712 real changes made)

(51 real changes made)

(3 real changes made)

(19 real changes made)

(4,815 real changes made)

(328 real changes made)

(548 real changes made)

(3,858 real changes made)

(16 real changes made)

(1 real change made)

(18 real changes made)

(3,987 real changes made)

(299 real changes made)

(624 real changes made)

(7,219 real changes made)

(18 real changes made)

(0 real changes made)

(11 real changes made)

(7,507 real changes made)

(438 real changes made)

(687 real changes made)

(6,174 real changes made)

(22 real changes made)

(1 real change made)

(12 real changes made)

(6,347 real changes made)

(399 real changes made)

(626 real changes made)

(5,349 real changes made)

(33 real changes made)

(2 real changes made)

(15 real changes made)

(5,497 real changes made)

(358 real changes made)

adl_eat_he   _lp	Survey wave					Total
	1	2	3	4	5	
-8	2	9	19	18	11	86
-7	1	4	3	1	0	12
0	7,186	5,898	4,763	3,874	7,237	40,536
1	420	648	622	548	624	4,175
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

adl_eat_he	Survey wave		
lp	6	7	Total
-8	12	15	86
-7	1	2	12
0	6,196	5,382	40,536
1	687	626	4,175
.	380	287	2,969
Total	7,276	6,312	47,778

adl_eat_he	Survey wave					
lp	1	2	3	4	5	Total
-8	2	0	2	2	5	14
-7	1	2	3	1	0	7
0	7,186	5,695	4,551	3,735	7,131	39,513
1	420	359	328	299	440	2,604
Total	7,609	6,056	4,884	4,037	7,576	42,138

adl_eat_he	Survey wave		
lp	6	7	Total
-8	0	3	14
-7	0	0	7
0	6,010	5,205	39,513
1	400	358	2,604
Total	6,410	5,566	42,138

## 30. selfcare bath

(47,778 missing values generated)  
 (47,778 missing values generated)  
 (47,778 missing values generated)  
 (814 real changes made)  
 (6,783 real changes made)  
 (9 real changes made)  
 (0 real changes made)  
 (3 real changes made)  
 (7,141 real changes made)  
 (813 real changes made)  
 (1,132 real changes made)  
 (5,373 real changes made)  
 (51 real changes made)  
 (0 real changes made)  
 (3 real changes made)  
 (5,607 real changes made)  
 (737 real changes made)  
 (1,028 real changes made)  
 (4,317 real changes made)  
 (55 real changes made)  
 (1 real change made)  
 (6 real changes made)  
 (4,502 real changes made)  
 (630 real changes made)  
 (868 real changes made)  
 (3,544 real changes made)  
 (25 real changes made)  
 (0 real changes made)  
 (4 real changes made)  
 (3,693 real changes made)  
 (530 real changes made)  
 (1,093 real changes made)  
 (6,755 real changes made)  
 (21 real changes made)  
 (0 real changes made)  
 (3 real changes made)  
 (7,090 real changes made)

(850 real changes made)  
 (1,155 real changes made)  
 (5,710 real changes made)  
 (25 real changes made)  
 (0 real changes made)  
 (6 real changes made)  
 (5,956 real changes made)  
 (776 real changes made)  
 (1,047 real changes made)  
 (4,936 real changes made)  
 (33 real changes made)  
 (0 real changes made)  
 (9 real changes made)  
 (5,170 real changes made)  
 (690 real changes made)

adl_bath_h	Survey wave					
elp	1	2	3	4	5	Total
-8	3	3	6	4	3	34
-7	0	0	1	0	0	1
0	6,792	5,424	4,372	3,569	6,776	37,637
1	814	1,132	1,028	868	1,093	7,137
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

adl_bath_h	Survey wave		
elp	6	7	Total
-8	6	9	34
-7	0	0	1
0	5,735	4,969	37,637
1	1,155	1,047	7,137
.	380	287	2,969
Total	7,276	6,312	47,778

adl_bath_h	Survey wave					
elp	1	2	3	4	5	Total
-8	3	2	1	1	3	13
-7	0	0	1	0	0	1
0	6,792	5,316	4,250	3,505	6,719	37,088
1	814	738	632	531	854	5,036
Total	7,609	6,056	4,884	4,037	7,576	42,138

adl_bath_h	Survey wave		
elp	6	7	Total
-8	2	1	13
-7	0	0	1
0	5,631	4,875	37,088
1	777	690	5,036
Total	6,410	5,566	42,138

## 31. selfcare toil

(47,778 missing values generated)  
 (47,778 missing values generated)  
 (47,778 missing values generated)  
 (331 real changes made)  
 (7,268 real changes made)  
 (0 real changes made)  
 (4 real changes made)  
 (6 real changes made)  
 (7,474 real changes made)  
 (331 real changes made)  
 (579 real changes made)  
 (5,927 real changes made)  
 (27 real changes made)  
 (10 real changes made)  
 (16 real changes made)  
 (5,911 real changes made)  
 (285 real changes made)  
 (552 real changes made)  
 (4,802 real changes made)  
 (21 real changes made)  
 (6 real changes made)  
 (26 real changes made)  
 (4,749 real changes made)  
 (264 real changes made)  
 (469 real changes made)  
 (3,946 real changes made)  
 (0 real changes made)  
 (1 real change made)  
 (25 real changes made)  
 (3,910 real changes made)  
 (242 real changes made)  
 (515 real changes made)  
 (7,335 real changes made)  
 (0 real changes made)  
 (0 real changes made)  
 (22 real changes made)  
 (7,393 real changes made)  
 (342 real changes made)  
 (589 real changes made)  
 (6,285 real changes made)  
 (0 real changes made)  
 (3 real changes made)  
 (19 real changes made)  
 (6,254 real changes made)  
 (309 real changes made)  
 (496 real changes made)  
 (5,502 real changes made)  
 (0 real changes made)  
 (4 real changes made)  
 (23 real changes made)  
 (5,429 real changes made)  
 (263 real changes made)

adl_toil_h elp	Survey wave					Total
	1	2	3	4	5	
-8	6	16	26	25	22	137
-7	4	10	6	1	0	28
0	7,268	5,954	4,823	3,946	7,335	41,113
1	331	579	552	469	515	3,531
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

adl_toil_h	Survey wave		
elp	6	7	Total
-8	19	23	137
-7	3	4	28
0	6,285	5,502	41,113
1	589	496	3,531
.	380	287	2,969
Total	7,276	6,312	47,778

adl_toil_h	Survey wave					
elp	1	2	3	4	5	Total
-8	6	2	6	7	12	40
-7	4	6	5	1	0	17
0	7,268	5,762	4,608	3,787	7,221	40,040
1	331	286	265	242	343	2,041
Total	7,609	6,056	4,884	4,037	7,576	42,138

adl_toil_h	Survey wave		
elp	6	7	Total
-8	4	3	40
-7	1	0	17
0	6,094	5,300	40,040
1	311	263	2,041
Total	6,410	5,566	42,138

## 32. selfcare dres

(47,778 missing values generated)  
 (47,778 missing values generated)  
 (47,778 missing values generated)  
 (936 real changes made)  
 (6,616 real changes made)  
 (55 real changes made)  
 (1 real change made)  
 (1 real change made)  
 (7,297 real changes made)  
 (7,604 real changes made)  
 (1,109 real changes made)  
 (5,326 real changes made)  
 (115 real changes made)  
 (0 real changes made)  
 (9 real changes made)  
 (5,803 real changes made)  
 (6,521 real changes made)  
 (1,056 real changes made)  
 (4,259 real changes made)  
 (87 real changes made)  
 (0 real changes made)  
 (5 real changes made)  
 (4,631 real changes made)  
 (5,372 real changes made)  
 (925 real changes made)  
 (3,453 real changes made)  
 (59 real changes made)  
 (0 real changes made)  
 (4 real changes made)  
 (3,811 real changes made)  
 (4,429 real changes made)  
 (1,259 real changes made)  
 (6,536 real changes made)  
 (68 real changes made)  
 (0 real changes made)  
 (9 real changes made)  
 (7,245 real changes made)

(7,863 real changes made)  
 (1,316 real changes made)  
 (5,497 real changes made)  
 (78 real changes made)  
 (0 real changes made)  
 (5 real changes made)  
 (6,121 real changes made)  
 (6,883 real changes made)  
 (1,170 real changes made)  
 (4,765 real changes made)  
 (82 real changes made)  
 (0 real changes made)  
 (8 real changes made)  
 (5,306 real changes made)  
 (6,011 real changes made)

adl_dres_h	Survey wave					
elp	1	2	3	4	5	Total
-8	1	9	5	4	9	41
-7	1	0	0	0	0	1
0	6,671	5,441	4,346	3,512	6,604	36,996
1	936	1,109	1,056	925	1,259	7,771
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

adl_dres_h	Survey wave		
elp	6	7	Total
-8	5	8	41
-7	0	0	1
0	5,575	4,847	36,996
1	1,316	1,170	7,771
.	380	287	2,969
Total	7,276	6,312	47,778

adl_dres_h	Survey wave					
elp	1	2	3	4	5	Total
-8	1	4	2	3	5	17
-7	1	0	0	0	0	1
0	6,671	5,269	4,195	3,401	6,529	36,222
1	936	783	687	633	1,042	5,898
Total	7,609	6,056	4,884	4,037	7,576	42,138

adl_dres_h	Survey wave		
elp	6	7	Total
-8	0	2	17
-7	0	0	1
0	5,445	4,712	36,222
1	965	852	5,898
Total	6,410	5,566	42,138



```

33.
34. la var adl_eat_help "Has help while eating"
35. la var adl_bath_help "Has help while bathing"
36. la var adl_toil_help "Has help while toileting"
37. la var adl_dres_help "Has help while dressing"
38. *****
39. //household activity help, using derived variables in the HA section
40. //if did not do by self b/c of health
41. //reason only or health and other reason, then new help var ==1
42. tab dlaunsfdf dlaunreas if wave==1, missing

```

R1 D LAUNDRY SELF AND		R1 D LAUNDRY REASN WITH BY OTHERS				Total
DIFF LEVEL		-8 DK	-7 RF	-1 Inappl	1 Health	
-1 Inapplicable		0	0	636	0	636
1	Did not do by sel	0	0	0	944	3,061
2	Did by self in la	1	0	3,714	26	4,088
3	Did by self in la	0	0	347	57	437
5	DKRF did by self	1	0	0	0	1
6	Did by self in la	0	0	1	0	2
7	DKRF did by self	0	2	0	0	2
8	Not done in last m	0	0	0	11	18
Total		2	2	4,698	1,038	8,245

R1 D LAUNDRY SELF AND		R1 D LAUNDRY REASN WITH BY OTHERS			Total
DIFF LEVEL		2 Other	3 Both h	4 Servic	
-1 Inapplicable		0	0	0	636
1	Did not do by sel	1,920	36	161	3,061
2	Did by self in la	324	3	20	4,088
3	Did by self in la	27	2	4	437
5	DKRF did by self	0	0	0	1
6	Did by self in la	1	0	0	2
7	DKRF did by self	0	0	0	2
8	Not done in last m	7	0	0	18
Total		2,279	41	185	8,245

```

43. tab dlaunsfdf dlaunreas if wave==2, missing

```

R1 D LAUNDRY SELF AND		R1 D LAUNDRY REASN WITH BY OTHERS				Total
DIFF LEVEL		-7 RF	-1 Inappl	1 Health	2 Other	
-1 Inapplicable		0	1,019	0	0	1,019
1	Did not do by sel	0	0	739	1,459	2,452
2	Did by self in la	0	2,898	18	327	3,280
3	Did by self in la	0	242	37	20	310
4	DKRF did by self	1	0	0	0	1
7	DKRF did by self	2	0	0	1	4
8	Not done in last m	0	0	7	1	9
Total		3	4,159	801	1,808	7,075

R1 D LAUNDRY SELF AND		R1 D LAUNDRY REASN		
DIFF LEVEL		WITH BY OTHERS		
		3 Both h	4 Servic	Total
-1	Inapplicable	0	0	1,019
1	Did not do by sel	77	177	2,452
2	Did by self in la	7	30	3,280
3	Did by self in la	6	5	310
4	DKRF did by self	0	0	1
7	DKRF did by self	0	1	4
8	Not done in last m	1	0	9
Total		91	213	7,075

```

44.
45. capture program drop hhact

46. program define hhact
    1.     args act
    2.
47.     gen iadl_`act'_help=.
        gen iadl_`act'_diff=.
        gen iadl_`act'_not_done=.
        forvalues w=1/$w{
    6.         replace iadl_`act'_help=1 if inlist(d`act'sfdf,1,8) & ///
>             inlist(d`act'reas,1,3) & wave==`w'
    7.         replace iadl_`act'_help=0 if inlist(d`act'sfdf,2,3,6) & wav
> e==`w' //did by self
    8.         replace iadl_`act'_help=0 if inlist(d`act'sfdf,1,8) & ///
>             inlist(d`act'reas,2,4) & wave==`w'
    9.         replace iadl_`act'_help=-8 if inlist(d`act'sfdf,4,5,7) & wa
> ve==`w' //dkrf
    10.        replace iadl_`act'_help=-8 if inlist(d`act'sfdf,1,8) & ///
>             inlist(d`act'reas,-7,-8) & wave==`w'
    11.        replace iadl_`act'_diff=`act'dif>1 if `act'dif>0 & wave==`w'
> '
    12.        replace iadl_`act'_not_done=`act'==5 if `act'>0 & wave==`w'
    13.        }
    14.        tab iadl_`act'_help wave, missing
    15.        tab iadl_`act'_help wave if ivw_type==1, missing
    16.        *replace iadl_`act'_diff=1 if iadl_`act'_help==1
48.     end

49.
50. hhact laun
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(991 real changes made)
(4,527 real changes made)
(2,088 real changes made)
(3 real changes made)
(0 real changes made)
(4,526 real changes made)
(7,606 real changes made)
(824 real changes made)
(3,590 real changes made)
(1,637 real changes made)
(5 real changes made)
(0 real changes made)
(3,591 real changes made)
(6,053 real changes made)
(612 real changes made)
(2,922 real changes made)
(1,346 real changes made)
(2 real changes made)
(2 real changes made)
(2,922 real changes made)
(4,882 real changes made)
(511 real changes made)
(2,389 real changes made)

```

(1,135 real changes made)  
 (1 real change made)  
 (1 real change made)  
 (2,389 real changes made)  
 (4,036 real changes made)  
 (890 real changes made)  
 (4,646 real changes made)  
 (2,032 real changes made)  
 (7 real changes made)  
 (1 real change made)  
 (4,647 real changes made)  
 (7,572 real changes made)  
 (798 real changes made)  
 (3,891 real changes made)  
 (1,718 real changes made)  
 (1 real change made)  
 (2 real changes made)  
 (3,892 real changes made)  
 (6,409 real changes made)  
 (678 real changes made)  
 (3,383 real changes made)  
 (1,502 real changes made)  
 (0 real changes made)  
 (3 real changes made)  
 (3,383 real changes made)  
 (5,566 real changes made)

iadl_laun_	Survey wave					
help	1	2	3	4	5	Total
-8	3	5	4	2	8	28
0	6,615	5,227	4,268	3,524	6,678	36,806
1	991	824	612	511	890	5,304
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

iadl_laun_	Survey wave		
help	6	7	Total
-8	3	3	28
0	5,609	4,885	36,806
1	798	678	5,304
.	866	746	5,640
Total	7,276	6,312	47,778

iadl_laun_	Survey wave					
help	1	2	3	4	5	Total
-8	3	5	4	2	8	28
0	6,615	5,227	4,268	3,524	6,678	36,806
1	991	824	612	511	890	5,304
Total	7,609	6,056	4,884	4,037	7,576	42,138

iadl_laun_	Survey wave		
help	6	7	Total
-8	3	3	28
0	5,609	4,885	36,806
1	798	678	5,304
Total	6,410	5,566	42,138

## 51. hhact shop

```

(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(1,546 real changes made)
(4,077 real changes made)
(1,982 real changes made)
(2 real changes made)
(2 real changes made)
(4,078 real changes made)
(7,607 real changes made)
(1,342 real changes made)
(3,278 real changes made)
(1,431 real changes made)
(4 real changes made)
(1 real change made)
(3,277 real changes made)
(6,053 real changes made)
(1,103 real changes made)
(2,676 real changes made)
(1,100 real changes made)
(2 real changes made)
(3 real changes made)
(2,675 real changes made)
(4,882 real changes made)
(847 real changes made)
(2,242 real changes made)
(941 real changes made)
(3 real changes made)
(4 real changes made)
(2,240 real changes made)
(4,034 real changes made)
(1,491 real changes made)
(4,356 real changes made)
(1,722 real changes made)
(1 real change made)
(6 real changes made)
(4,356 real changes made)
(7,575 real changes made)
(1,292 real changes made)
(3,760 real changes made)
(1,353 real changes made)
(2 real changes made)
(3 real changes made)
(3,760 real changes made)
(6,408 real changes made)
(1,152 real changes made)
(3,238 real changes made)
(1,167 real changes made)
(4 real changes made)
(5 real changes made)
(3,239 real changes made)
(5,563 real changes made)

```

iadl_shop_	Survey wave					
help	1	2	3	4	5	Total
-8	4	5	5	7	7	42
0	6,059	4,709	3,776	3,183	6,078	33,323
1	1,546	1,342	1,103	847	1,491	8,773
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

iadl_shop_help	Survey wave		Total
	6	7	
-8	5	9	42
0	5,113	4,405	33,323
1	1,292	1,152	8,773
.	866	746	5,640
Total	7,276	6,312	47,778

iadl_shop_help	Survey wave					Total
	1	2	3	4	5	
-8	4	5	5	7	7	42
0	6,059	4,709	3,776	3,183	6,078	33,323
1	1,546	1,342	1,103	847	1,491	8,773
Total	7,609	6,056	4,884	4,037	7,576	42,138

iadl_shop_help	Survey wave		Total
	6	7	
-8	5	9	42
0	5,113	4,405	33,323
1	1,292	1,152	8,773
Total	6,410	5,566	42,138

## 52. hhact meal

(47,778 missing values generated)  
 (47,778 missing values generated)  
 (47,778 missing values generated)  
 (883 real changes made)  
 (4,915 real changes made)  
 (1,806 real changes made)  
 (3 real changes made)  
 (2 real changes made)  
 (4,916 real changes made)  
 (7,606 real changes made)  
 (759 real changes made)  
 (3,881 real changes made)  
 (1,413 real changes made)  
 (3 real changes made)  
 (0 real changes made)  
 (3,879 real changes made)  
 (6,053 real changes made)  
 (550 real changes made)  
 (3,204 real changes made)  
 (1,126 real changes made)  
 (2 real changes made)  
 (2 real changes made)  
 (3,202 real changes made)  
 (4,882 real changes made)  
 (434 real changes made)  
 (2,649 real changes made)  
 (951 real changes made)  
 (2 real changes made)  
 (1 real change made)  
 (2,646 real changes made)  
 (4,035 real changes made)  
 (776 real changes made)  
 (5,038 real changes made)  
 (1,755 real changes made)  
 (4 real changes made)  
 (3 real changes made)  
 (5,038 real changes made)  
 (7,572 real changes made)  
 (664 real changes made)  
 (4,293 real changes made)

(1,449 real changes made)  
 (2 real changes made)  
 (2 real changes made)  
 (4,291 real changes made)  
 (6,409 real changes made)  
 (565 real changes made)  
 (3,743 real changes made)  
 (1,252 real changes made)  
 (6 real changes made)  
 (0 real changes made)  
 (3,743 real changes made)  
 (5,562 real changes made)

iadl_meal_	Survey wave					
help	1	2	3	4	5	Total
-8	5	3	4	3	7	32
0	6,721	5,294	4,330	3,600	6,793	37,475
1	883	759	550	434	776	4,631
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

iadl_meal_	Survey wave		
help	6	7	Total
-8	4	6	32
0	5,742	4,995	37,475
1	664	565	4,631
.	866	746	5,640
Total	7,276	6,312	47,778

iadl_meal_	Survey wave					
help	1	2	3	4	5	Total
-8	5	3	4	3	7	32
0	6,721	5,294	4,330	3,600	6,793	37,475
1	883	759	550	434	776	4,631
Total	7,609	6,056	4,884	4,037	7,576	42,138

iadl_meal_	Survey wave		
help	6	7	Total
-8	4	6	32
0	5,742	4,995	37,475
1	664	565	4,631
Total	6,410	5,566	42,138

## 53. hhact bank

(47,778 missing values generated)  
 (47,778 missing values generated)  
 (47,778 missing values generated)  
 (1,103 real changes made)  
 (4,728 real changes made)  
 (1,750 real changes made)  
 (28 real changes made)  
 (0 real changes made)  
 (4,735 real changes made)  
 (7,583 real changes made)  
 (1,000 real changes made)  
 (3,765 real changes made)  
 (1,282 real changes made)  
 (9 real changes made)  
 (0 real changes made)  
 (3,766 real changes made)

(6,047 real changes made)  
 (821 real changes made)  
 (3,011 real changes made)  
 (1,044 real changes made)  
 (8 real changes made)  
 (0 real changes made)  
 (3,012 real changes made)  
 (4,877 real changes made)  
 (631 real changes made)  
 (2,526 real changes made)  
 (873 real changes made)  
 (7 real changes made)  
 (0 real changes made)  
 (2,526 real changes made)  
 (4,031 real changes made)  
 (1,043 real changes made)  
 (4,920 real changes made)  
 (1,587 real changes made)  
 (22 real changes made)  
 (4 real changes made)  
 (4,929 real changes made)  
 (7,554 real changes made)  
 (930 real changes made)  
 (4,155 real changes made)  
 (1,302 real changes made)  
 (20 real changes made)  
 (3 real changes made)  
 (4,159 real changes made)  
 (6,394 real changes made)  
 (815 real changes made)  
 (3,630 real changes made)  
 (1,100 real changes made)  
 (13 real changes made)  
 (8 real changes made)  
 (3,633 real changes made)  
 (5,554 real changes made)

iadl_bank_	Survey wave					
help	1	2	3	4	5	Total
-8	28	9	8	7	26	122
0	6,478	5,047	4,055	3,399	6,507	35,673
1	1,103	1,000	821	631	1,043	6,343
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

iadl_bank_	Survey wave		
help	6	7	Total
-8	23	21	122
0	5,457	4,730	35,673
1	930	815	6,343
.	866	746	5,640
Total	7,276	6,312	47,778

iadl_bank_	Survey wave					
help	1	2	3	4	5	Total
-8	28	9	8	7	26	122
0	6,478	5,047	4,055	3,399	6,507	35,673
1	1,103	1,000	821	631	1,043	6,343
Total	7,609	6,056	4,884	4,037	7,576	42,138

iadl_bank_help	Survey wave		Total
	6	7	
-8	23	21	122
0	5,457	4,730	35,673
1	930	815	6,343
Total	6,410	5,566	42,138

54.  
55. la var iadl\_laun\_help "Rec'd help doing laundry last month"  
56. la var iadl\_shop\_help "Rec'd help shopping last month"  
57. la var iadl\_meal\_help "Rec'd help preparing meals last month"  
58. la var iadl\_bank\_help "Rec'd help with banking last month"  
59.  
60. //taking medications, questions slightly different and in mc section  
61. //set to =0 if do not take medications  
62. tab dmedssfdf dmedsreas if wave==1, missing

R1 D DIFF LEVEL MEDICATIONS SELF	R1 D MEDS REASN BY WITH OTHERS				Total
	-8 DK	-7 RF	-1 Inappl	1 Health	
-1 Inapplicable	0	0	636	0	636
1 Did not do by self	2	0	0	777	1,220
2 Did by self in las	1	0	5,115	18	5,185
3 Did by self in las	0	0	504	28	549
6 Did by self in las	0	0	1	0	1
7 DKRF did by self i	1	1	0	0	2
8 not done in last m	0	0	0	2	3
9 no or DKRF if medi	0	0	649	0	649
Total	4	1	6,905	825	8,245

R1 D DIFF LEVEL MEDICATIONS SELF	R1 D MEDS REASN BY WITH OTHERS		Total
	2 Other	4 Servic	
-1 Inapplicable	0	0	636
1 Did not do by self	304	137	1,220
2 Did by self in las	49	2	5,185
3 Did by self in las	16	1	549
6 Did by self in las	0	0	1
7 DKRF did by self i	0	0	2
8 not done in last m	1	0	3
9 no or DKRF if medi	0	0	649
Total	370	140	8,245

63. tab dmedssfdf dmedsreas if wave==2, missing

R1 D DIFF LEVEL MEDICATIONS SELF	R1 D MEDS REASN BY WITH OTHERS				Total
	-8 DK	-7 RF	-1 Inappl	1 Health	
-1 Inapplicable	0	0	1,019	0	1,019
1 Did not do by self	0	0	0	620	1,076
2 Did by self in las	2	0	4,021	14	4,072
3 Did by self in las	0	0	374	26	413
6 Did by self in las	0	0	0	0	1
7 DKRF did by self i	0	1	0	0	1
8 not done in last m	0	0	0	2	3
9 no or DKRF if medi	0	0	490	0	490
Total	2	1	5,904	662	7,075



R1 D DIFF LEVEL   R1 D MEDS REASN BY WITH OTHERS				
MEDICATIONS SELF   2 Other 3 Both h 4 Servic   Total				
-1 Inapplicable	0	0	0	1,019
1 Did not do by self	218	61	177	1,076
2 Did by self in las	30	4	1	4,072
3 Did by self in las	10	3	0	413
6 Did by self in las	1	0	0	1
7 DKRF did by self i	0	0	0	1
8 not done in last m	1	0	0	3
9 no or DKRF if medi	0	0	0	490
Total	260	68	178	7,075

64.

65. gen iadl\_meds\_help=.  
 (47,778 missing values generated)

66. gen iadl\_meds\_diff=.  
 (47,778 missing values generated)

67. gen iadl\_meds\_not\_done=.  
 (47,778 missing values generated)

```

68. forvalues w=1/$w{
  2.      replace iadl_meds_help=1 if inlist(dmedssfdf,1,8) & ///
    >      inlist(dmedsreas,1,3) & wave==`w'
  3.      //did by self or don't take medications
69.      replace iadl_meds_help=0 if inlist(dmedssfdf,2,3,6,9) & wave==`w'
  4.      replace iadl_meds_help=0 if inlist(dmedssfdf,1,8) & ///
    >      inlist(dmedsreas,2,4) & wave==`w'
  5.      replace iadl_meds_help=-8 if dmedssfdf == 7 & wave==`w'
  6.      replace iadl_meds_help=-8 if inlist(dmedssfdf,1,8) & ///
    >      inlist(dmedsreas,-7,-8) & wave==`w'
  7.      replace iadl_meds_diff=medsdif>1 if medsdif>0 & wave==`w'
  8.      replace iadl_meds_not_done=inlist(dmedssfdf,1,8) if wave==`w'
  9. }
(779 real changes made)
(6,384 real changes made)
(442 real changes made)
(2 real changes made)
(2 real changes made)
(5,734 real changes made)
(8,245 real changes made)
(683 real changes made)
(4,976 real changes made)
(396 real changes made)
(1 real change made)
(0 real changes made)
(4,485 real changes made)
(7,075 real changes made)
(531 real changes made)
(3,992 real changes made)
(359 real changes made)
(0 real changes made)
(2 real changes made)
(3,617 real changes made)
(5,799 real changes made)
(414 real changes made)
(3,266 real changes made)
(355 real changes made)
(0 real changes made)
(2 real changes made)
(2,987 real changes made)
(4,737 real changes made)
(710 real changes made)
(6,330 real changes made)
(532 real changes made)
(1 real change made)
(2 real changes made)
(5,710 real changes made)

```

(8,334 real changes made)  
 (597 real changes made)  
 (5,329 real changes made)  
 (479 real changes made)  
 (0 real changes made)  
 (4 real changes made)  
 (4,827 real changes made)  
 (7,276 real changes made)  
 (533 real changes made)  
 (4,582 real changes made)  
 (448 real changes made)  
 (1 real change made)  
 (2 real changes made)  
 (4,181 real changes made)  
 (6,312 real changes made)

70.

71. la var iadl\_meds\_help "Rec'd help taking medications last month"

72. tab iadl\_meds\_help wave, missing

Rec'd help						
taking						
medication						
s last						
month						
	Survey wave					Total
	1	2	3	4	5	
-8	4	1	2	2	3	19
0	6,826	5,372	4,351	3,621	6,862	37,870
1	779	683	531	414	710	4,247
.	636	1,019	915	700	759	5,642
Total	8,245	7,075	5,799	4,737	8,334	47,778

Rec'd help			
taking			
medication			
s last			
month			
	Survey wave		Total
	6	7	
-8	4	3	19
0	5,808	5,030	37,870
1	597	533	4,247
.	867	746	5,642
Total	7,276	6,312	47,778

73. tab iadl\_meds\_help wave if ivw\_type==1, missing

Rec'd help						
taking						
medication						
s last						
month						
	Survey wave					Total
	1	2	3	4	5	
-8	4	1	2	2	3	19
0	6,826	5,372	4,351	3,621	6,862	37,870
1	779	683	531	414	710	4,247
.	0	0	0	0	1	2
Total	7,609	6,056	4,884	4,037	7,576	42,138

Rec'd help			
taking			
medication			
s last	Survey wave		
month	6	7	Total
-----+-----+-----+-----			
-8	4	3	19
0	5,808	5,030	37,870
1	597	533	4,247
.	1	0	2
-----+-----+-----+-----			
Total	6,410	5,566	42,138

```
74. replace iadl_meds_diff=1 if iadl_meds_help==1
    (4,247 real changes made)
```

```
75.
```

```
76. //other meds questions, for treatment burden
```

```
77. gen ind_meds_diff=.
    (47,778 missing values generated)
```

```
78. gen ind_meds_mistake=.
    (47,778 missing values generated)
```

```
79. forvalues w=1/$w{
    2. replace ind_meds_diff=inlist(medsdif,2,3,4) if medsdif>0 & !missing(medsdif
> ) & wave=='w'
    3. replace ind_meds_diff=0 if meds==2 & wave=='w'
    4. replace ind_meds_diff=0 if dmedsrea==2 & inlist(medstrk,2,3) & wave=='w'
    5. replace ind_meds_mistake=medsmis==1 if medsmis>0 & !missing(medsmis) & wave
> =='w'
    6. }
    (5,734 real changes made)
    (640 real changes made)
    (292 real changes made)
    (1,482 real changes made)
    (4,485 real changes made)
    (486 real changes made)
    (214 real changes made)
    (1,290 real changes made)
    (3,617 real changes made)
    (364 real changes made)
    (179 real changes made)
    (924 real changes made)
    (2,987 real changes made)
    (274 real changes made)
    (178 real changes made)
    (733 real changes made)
    (5,710 real changes made)
    (613 real changes made)
    (309 real changes made)
    (1,436 real changes made)
    (4,827 real changes made)
    (495 real changes made)
    (257 real changes made)
    (1,369 real changes made)
    (4,181 real changes made)
    (393 real changes made)
    (225 real changes made)
    (1,248 real changes made)
```

```

80. label var ind_meds_diff "Any difficulty keeping track of meds"
81. label var ind_meds_mistake "Any mistake taking meds"
82. gen ind_meds_problem=ind_meds_diff==1 | ind_meds_mistake==1 if !missing(ind_me
> ds diff) ///
> | !missing(ind_meds_mistake)
(6,309 missing values generated)
83. label var ind_meds_prob "SR difficulty keeping track of or mistake taking meds
> "
84. *****
85. //has , sees regular doctor
86. gen reg_doc_have = .
(47,778 missing values generated)
87. forvalues w=1/$w{
2.     replace reg_doc_have=1 if havregdoc==1 & wave=="w"
3.     replace reg_doc_have=0 if havregdoc==2 & wave=="w"
4.     replace reg_doc_have=-7 if havregdoc==-7 & wave=="w"
5.     replace reg_doc_have=-8 if havregdoc==-8 & wave=="w"
6. }
(7,219 real changes made)
(383 real changes made)
(2 real changes made)
(5 real changes made)
(5,754 real changes made)
(295 real changes made)
(2 real changes made)
(5 real changes made)
(4,657 real changes made)
(215 real changes made)
(6 real changes made)
(6 real changes made)
(3,832 real changes made)
(200 real changes made)
(1 real change made)
(4 real changes made)
(7,171 real changes made)
(396 real changes made)
(0 real changes made)
(9 real changes made)
(6,074 real changes made)
(322 real changes made)
(1 real change made)
(13 real changes made)
(5,279 real changes made)
(281 real changes made)
(0 real changes made)
(6 real changes made)
88. la var reg_doc_have "Have regular doctor"
89. tab reg_doc_have wave, missing

```

Have   regular   doctor	Survey wave					Total
	1	2	3	4	5	
-8	5	5	6	4	9	48
-7	2	2	6	1	0	12
0	383	295	215	200	396	2,092
1	7,219	5,754	4,657	3,832	7,171	39,986
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Have	Survey wave		
regular	6	7	Total
doctor			
-8	13	6	48
-7	1	0	12
0	322	281	2,092
1	6,074	5,279	39,986
.	866	746	5,640
Total	7,276	6,312	47,778

90. tab reg\_doc\_have wave if ivw\_type==1, missing

Have	Survey wave					
regular	1	2	3	4	5	Total
doctor						
-8	5	5	6	4	9	48
-7	2	2	6	1	0	12
0	383	295	215	200	396	2,092
1	7,219	5,754	4,657	3,832	7,171	39,986
Total	7,609	6,056	4,884	4,037	7,576	42,138

Have	Survey wave		
regular	6	7	Total
doctor			
-8	13	6	48
-7	1	0	12
0	322	281	2,092
1	6,074	5,279	39,986
Total	6,410	5,566	42,138

91.

92. gen reg\_doc\_seen = .  
(47,778 missing values generated)

93. forvalues w=1/\$w{  
 2.       replace reg\_doc\_seen=1 if regdoclyr==1 & wave=='w'  
 3.       replace reg\_doc\_seen=0 if regdoclyr==2 & wave=='w'  
 4.       replace reg\_doc\_seen=-7 if regdoclyr==7 & wave=='w'  
 5.       replace reg\_doc\_seen=-8 if regdoclyr==8 & wave=='w'  
 6. }  
 (7,115 real changes made)  
 (482 real changes made)  
 (1 real change made)  
 (11 real changes made)  
 (5,654 real changes made)  
 (385 real changes made)  
 (2 real changes made)  
 (15 real changes made)  
 (4,553 real changes made)  
 (313 real changes made)  
 (7 real changes made)  
 (11 real changes made)  
 (3,784 real changes made)  
 (244 real changes made)  
 (1 real change made)  
 (8 real changes made)  
 (7,058 real changes made)  
 (497 real changes made)  
 (0 real changes made)  
 (21 real changes made)  
 (5,997 real changes made)  
 (392 real changes made)  
 (2 real changes made)

(19 real changes made)  
 (5,222 real changes made)  
 (328 real changes made)  
 (1 real change made)  
 (15 real changes made)

94. la var reg\_doc\_seen "Seen regular doctor within last year"

95. tab reg\_doc\_seen wave, missing

Seen regular doctor within last year	Survey wave					Total
	1	2	3	4	5	
-8	11	15	11	8	21	100
-7	1	2	7	1	0	14
0	482	385	313	244	497	2,641
1	7,115	5,654	4,553	3,784	7,058	39,383
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Seen regular doctor within last year	Survey wave		Total
	6	7	
-8	19	15	100
-7	2	1	14
0	392	328	2,641
1	5,997	5,222	39,383
.	866	746	5,640
Total	7,276	6,312	47,778

96. tab reg\_doc\_seen wave if ivw\_type==1, missing

Seen regular doctor within last year	Survey wave					Total
	1	2	3	4	5	
-8	11	15	11	8	21	100
-7	1	2	7	1	0	14
0	482	385	313	244	497	2,641
1	7,115	5,654	4,553	3,784	7,058	39,383
Total	7,609	6,056	4,884	4,037	7,576	42,138

Seen regular doctor within last year	Survey wave		Total
	6	7	
-8	19	15	100
-7	2	1	14
0	392	328	2,641
1	5,997	5,222	39,383
Total	6,410	5,566	42,138

97.  
 98. //home visit, missing if did not see regular doctor within the last year  
 99. tab regdoclyr hwgtregd8 if wave==1, missing

R1 MC12 SEEN	R1 MC15 REG DOC WAS HOME VISIT				Total
REG DOC WTHN	-9 Missin	-8 DK	-7 RF	-1 Inappl	
LST YR					
-9 Missing	168	0	0	0	168
-8 DK	0	0	0	11	11
-7 RF	0	0	0	1	1
-1 Inapplicable	0	0	0	467	468
1 YES	0	2	1	0	7,115
2 NO	0	0	0	482	482
Total	168	2	1	961	8,245

R1 MC12 SEEN	R1 MC15 REG DOC WAS		Total
REG DOC WTHN	HOME VISIT		
LST YR	1 YES	2 NO	
-9 Missing	0	0	168
-8 DK	0	0	11
-7 RF	0	0	1
-1 Inapplicable	1	0	468
1 YES	66	7,046	7,115
2 NO	0	0	482
Total	67	7,046	8,245

```

100
101 gen reg_doc_homevisit = .
    (47,778 missing values generated)

102 forvalues w=1/$w{
2.     replace reg_doc_homevisit=1 if hwgtregd8==1 & wave==`w'
3.     replace reg_doc_homevisit=0 if hwgtregd8==2 & wave==`w'
4.     replace reg_doc_homevisit=-7 if hwgtregd8===-7 & wave==`w'
5.     replace reg_doc_homevisit=-8 if hwgtregd8===-8 & wave==`w'
6.     //replace reg_doc_homevisit=0 if mc`w'regdoclyr==2
103 }
(67 real changes made)
(7,046 real changes made)
(1 real change made)
(2 real changes made)
(107 real changes made)
(5,544 real changes made)
(0 real changes made)
(3 real changes made)
(117 real changes made)
(4,436 real changes made)
(0 real changes made)
(1 real change made)
(97 real changes made)
(3,684 real changes made)
(0 real changes made)
(3 real changes made)
(136 real changes made)
(6,921 real changes made)
(0 real changes made)
(1 real change made)
(118 real changes made)
(5,874 real changes made)
(0 real changes made)
(5 real changes made)
(131 real changes made)
(5,089 real changes made)
(0 real changes made)
(2 real changes made)

```

104 la var reg\_doc\_homevisit "Was regular doctor visit a home visit?"

105 tab reg\_doc\_homevisit wave, missing

Was regular doctor visit a home visit?	Survey wave					Total
	1	2	3	4	5	
-8	2	3	1	3	1	17
-7	1	0	0	0	0	1
0	7,046	5,544	4,436	3,684	6,921	38,594
1	67	107	117	97	136	773
.	1,129	1,421	1,245	953	1,276	8,393
Total	8,245	7,075	5,799	4,737	8,334	47,778

Was regular doctor visit a home visit?	Survey wave		Total
	6	7	
-8	5	2	17
-7	0	0	1
0	5,874	5,089	38,594
1	118	131	773
.	1,279	1,090	8,393
Total	7,276	6,312	47,778

106 tab reg\_doc\_homevisit wave if ivw\_type==1, missing

Was regular doctor visit a home visit?	Survey wave					Total
	1	2	3	4	5	
-8	2	3	1	3	1	17
-7	1	0	0	0	0	1
0	7,046	5,544	4,436	3,684	6,921	38,594
1	66	107	116	97	136	771
.	494	402	331	253	518	2,755
Total	7,609	6,056	4,884	4,037	7,576	42,138

Was regular doctor visit a home visit?	Survey wave		Total
	6	7	
-8	5	2	17
-7	0	0	1
0	5,874	5,089	38,594
1	118	131	771
.	413	344	2,755
Total	6,410	5,566	42,138



```

107
108 //hospital stay last 12 months?
109 tab hosptstay, missing

```

R1 HC7 SP HOSP			
STAY LAST 12MOS	Freq.	Percent	Cum.
-9 Missing	1,207	2.53	2.53
-8 DK	140	0.29	2.82
-7 RF	2	0.00	2.82
-1 Inapplicable	4,433	9.28	12.10
1 YES	10,136	21.21	33.32
2 NO	31,860	66.68	100.00
Total	47,778	100.00	

```

110
111 gen sr_hosp_ind=.
    (47,778 missing values generated)

112 forvalues w=1/$w{
    2.     replace sr_hosp_ind=1 if hosptstay==1 & wave=="w"
    3.     replace sr_hosp_ind=0 if hosptstay==2 & wave=="w"
    4.     replace sr_hosp_ind=-7 if hosptstay==7 & wave=="w"
    5.     replace sr_hosp_ind=-8 if hosptstay==8 & wave=="w"
    6. }
(1,777 real changes made)
(5,823 real changes made)
(1 real change made)
(8 real changes made)
(1,512 real changes made)
(4,517 real changes made)
(0 real changes made)
(27 real changes made)
(1,245 real changes made)
(3,621 real changes made)
(1 real change made)
(17 real changes made)
(1,031 real changes made)
(2,990 real changes made)
(0 real changes made)
(16 real changes made)
(1,691 real changes made)
(5,862 real changes made)
(0 real changes made)
(23 real changes made)
(1,515 real changes made)
(4,874 real changes made)
(0 real changes made)
(21 real changes made)
(1,365 real changes made)
(4,173 real changes made)
(0 real changes made)
(28 real changes made)

```

```

113 la var sr_hosp_ind "Hospital stay in the last year 1=yes"

```

```

114 tab sr_hosp_ind wave, missing

```

Hospital	Survey wave					
stay in						
the last						
year 1=yes	1	2	3	4	5	Total
-8	8	27	17	16	23	140
-7	1	0	1	0	0	2
0	5,823	4,517	3,621	2,990	5,862	31,860
1	1,777	1,512	1,245	1,031	1,691	10,136
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Hospital stay in the last year 1=yes	Survey wave		Total
	6	7	
-8	21	28	140
-7	0	0	2
0	4,874	4,173	31,860
1	1,515	1,365	10,136
.	866	746	5,640
Total	7,276	6,312	47,778

115 tab sr\_hosp\_ind wave if ivw\_type==1, missing

Hospital stay in the last year 1=yes	Survey wave					Total
	1	2	3	4	5	
-8	8	27	17	16	23	140
-7	1	0	1	0	0	2
0	5,823	4,517	3,621	2,990	5,862	31,860
1	1,777	1,512	1,245	1,031	1,691	10,136
Total	7,609	6,056	4,884	4,037	7,576	42,138

Hospital stay in the last year 1=yes	Survey wave		Total
	6	7	
-8	21	28	140
-7	0	0	2
0	4,874	4,173	31,860
1	1,515	1,365	10,136
Total	6,410	5,566	42,138

116

117 //number of separate hospital stays?

118 tab hosovrnht hosptstay, missing //if ind=no above, raw variable is n/a

R1 HC8 SP NUM OF HOSP STAYS	R1 HC7 SP HOSP -9 Missin	STAY LAST 12MOS -8 DK	-7 RF	-1 Inappl	Total
-9 Missing	1,207	0	0	0	1,207
-8 DK	0	0	0	0	69
-1 Inapplicable	0	140	2	4,433	36,435
1	0	0	0	0	6,492
2	0	0	0	0	2,145
3	0	0	0	0	806
4	0	0	0	0	265
5	0	0	0	0	138
6	0	0	0	0	66
7	0	0	0	0	43
8	0	0	0	0	26
9	0	0	0	0	11
10	0	0	0	0	22
11	0	0	0	0	17
12	0	0	0	0	7
13	0	0	0	0	1
14	0	0	0	0	3
15	0	0	0	0	5
16	0	0	0	0	1
17	0	0	0	0	4
20	0	0	0	0	3
21	0	0	0	0	1

23	0	0	0	0	2
25	0	0	0	0	1
30	0	0	0	0	4
63	0	0	0	0	1
64	0	0	0	0	1
115	0	0	0	0	1
150	0	0	0	0	1
-----					
Total	1,207	140	2	4,433	47,778

R1 HC8 SP NUM OF HOSP STAYS	R1 HC7 SP HOSP STAY LAST 12MOS		Total
	1 YES	2 NO	
-----			
-9 Missing	0	0	1,207
-8 DK	69	0	69
-1 Inapplicable	0	31,860	36,435
1	6,492	0	6,492
2	2,145	0	2,145
3	806	0	806
4	265	0	265
5	138	0	138
6	66	0	66
7	43	0	43
8	26	0	26
9	11	0	11
10	22	0	22
11	17	0	17
12	7	0	7
13	1	0	1
14	3	0	3
15	5	0	5
16	1	0	1
17	4	0	4
20	3	0	3
21	1	0	1
23	2	0	2
25	1	0	1
30	4	0	4
63	1	0	1
64	1	0	1
115	1	0	1
150	1	0	1
-----			
Total	10,136	31,860	47,778

119 gen sr\_hosp\_stays=.

(47,778 missing values generated)

120 forvalues w=1/\$w{

2. replace sr\_hosp\_stays=hosovrnht if hosovrnht>0 & wave=='w'

3. }

(1,765 real changes made)

(1,499 real changes made)

(1,235 real changes made)

(1,029 real changes made)

(1,680 real changes made)

(1,503 real changes made)

(1,356 real changes made)

```

121 replace sr_hosp_stays=0 if sr_hosp_ind==0 //set to 0 if none reported in y/n ?
    > above
    (31,860 real changes made)

```

```

122 la var sr_hosp_stays "Number unique hospital stays last year"

```

```

123 tab sr_hosp_stays wave, missing

```

Number unique hospital stays last year	Survey wave					Total
	1	2	3	4	5	
0	5,823	4,517	3,621	2,990	5,862	31,860
1	1,116	986	810	668	1,076	6,492
2	377	290	269	219	368	2,145
3	148	120	95	74	143	806
4	53	41	26	34	29	265
5	28	22	14	14	22	138
6	11	12	8	4	14	66
7	8	8	7	2	11	43
8	7	6	2	0	3	26
9	4	0	1	0	4	11
10	4	5	0	2	2	22
11	1	1	1	5	3	17
12	1	2	1	2	0	7
13	1	0	0	0	0	1
14	1	1	0	0	1	3
15	0	0	1	1	3	5
16	0	1	0	0	0	1
17	1	1	0	0	0	4
20	0	0	0	1	1	3
21	1	0	0	0	0	1
23	1	0	0	1	0	2
25	1	0	0	0	0	1
30	1	2	0	1	0	4
63	0	1	0	0	0	1
64	0	0	0	1	0	1
115	0	0	0	0	0	1
150	0	0	0	0	0	1
.	657	1,059	943	718	792	5,851
Total	8,245	7,075	5,799	4,737	8,334	47,778

Number unique hospital stays last year	Survey wave		Total
	6	7	
0	4,874	4,173	31,860
1	956	880	6,492
2	332	290	2,145
3	127	99	806
4	42	40	265
5	19	19	138
6	8	9	66
7	3	4	43
8	3	5	26
9	1	1	11
10	7	2	22
11	3	3	17
12	0	1	7
13	0	0	1
14	0	0	3
15	0	0	5
16	0	0	1
17	0	2	4
20	1	0	3
21	0	0	1

23	0	0	2
25	0	0	1
30	0	0	4
63	0	0	1
64	0	0	1
115	1	0	1
150	0	1	1
.	899	783	5,851
-----			
Total	7,276	6,312	47,778

124 tab sr\_hosp\_stays wave if ivw\_type==1, missing

Number unique hospital stays last year	Survey wave					Total
	1	2	3	4	5	
-----						
0	5,823	4,517	3,621	2,990	5,862	31,860
1	1,116	986	810	668	1,076	6,492
2	377	290	269	219	368	2,145
3	148	120	95	74	143	806
4	53	41	26	34	29	265
5	28	22	14	14	22	138
6	11	12	8	4	14	66
7	8	8	7	2	11	43
8	7	6	2	0	3	26
9	4	0	1	0	4	11
10	4	5	0	2	2	22
11	1	1	1	5	3	17
12	1	2	1	2	0	7
13	1	0	0	0	0	1
14	1	1	0	0	1	3
15	0	0	1	1	3	5
16	0	1	0	0	0	1
17	1	1	0	0	0	4
20	0	0	0	1	1	3
21	1	0	0	0	0	1
23	1	0	0	1	0	2
25	1	0	0	0	0	1
30	1	2	0	1	0	4
63	0	1	0	0	0	1
64	0	0	0	1	0	1
115	0	0	0	0	0	1
150	0	0	0	0	0	1
.	21	40	28	18	34	211
-----						
Total	7,609	6,056	4,884	4,037	7,576	42,138

Number unique hospital stays last year	Survey wave		Total
	6	7	
-----			
0	4,874	4,173	31,860
1	956	880	6,492
2	332	290	2,145
3	127	99	806
4	42	40	265
5	19	19	138
6	8	9	66
7	3	4	43
8	3	5	26
9	1	1	11
10	7	2	22
11	3	3	17
12	0	1	7
13	0	0	1

14		0	0		3
15		0	0		5
16		0	0		1
17		0	2		4
20		1	0		3
21		0	0		1
23		0	0		2
25		0	0		1
30		0	0		4
63		0	0		1
64		0	0		1
115		1	0		1
150		0	1		1
.		33	37		211
-----					
Total		6,410	5,566		42,138

125

126

```
127 save round_1_${w}_cleanv3.dta, replace
    file round_1_7_cleanv3.dta saved
```

128

```
129 local ivars fall_last_month adl_eat_help adl_bath_help adl_toil_help adl_dres_
> help iadl_laun_help iadl_shop_help 7///
> iadl_meal_help iadl_bank_help iadl_meds_help reg_doc_have reg_doc_seen reg_doc
> _homevisit sr_hosp_ind sr_hosp_stays
```

```
130 foreach w in `ivars'{
    2. tab `w' wave,missing
    3. }
```

Fall down in last month	Survey wave					
	1	2	3	4	5	Total
-8	0	4	6	3	6	27
-7	0	0	1	0	0	1
0	6,777	5,302	4,304	3,548	6,686	37,163
1	832	750	573	486	884	4,947
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Fall down in last month	Survey wave		
	6	7	Total
-8	3	5	27
-7	0	0	1
0	5,652	4,894	37,163
1	755	667	4,947
.	866	746	5,640
Total	7,276	6,312	47,778

Has help while eating	Survey wave					
	1	2	3	4	5	Total
-8	2	9	19	18	11	86
-7	1	4	3	1	0	12
0	7,186	5,898	4,763	3,874	7,237	40,536
1	420	648	622	548	624	4,175
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

Has help while eating	Survey wave		Total
	6	7	
-8	12	15	86
-7	1	2	12
0	6,196	5,382	40,536
1	687	626	4,175
.	380	287	2,969
Total	7,276	6,312	47,778

Has help while bathing	Survey wave					Total
	1	2	3	4	5	
-8	3	3	6	4	3	34
-7	0	0	1	0	0	1
0	6,792	5,424	4,372	3,569	6,776	37,637
1	814	1,132	1,028	868	1,093	7,137
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

Has help while bathing	Survey wave		Total
	6	7	
-8	6	9	34
-7	0	0	1
0	5,735	4,969	37,637
1	1,155	1,047	7,137
.	380	287	2,969
Total	7,276	6,312	47,778

Has help while toileting	Survey wave					Total
	1	2	3	4	5	
-8	6	16	26	25	22	137
-7	4	10	6	1	0	28
0	7,268	5,954	4,823	3,946	7,335	41,113
1	331	579	552	469	515	3,531
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

Has help while toileting	Survey wave		Total
	6	7	
-8	19	23	137
-7	3	4	28
0	6,285	5,502	41,113
1	589	496	3,531
.	380	287	2,969
Total	7,276	6,312	47,778

Has help while dressing	Survey wave					Total
	1	2	3	4	5	
-8	1	9	5	4	9	41
-7	1	0	0	0	0	1
0	6,671	5,441	4,346	3,512	6,604	36,996
1	936	1,109	1,056	925	1,259	7,771
.	636	516	392	296	462	2,969
Total	8,245	7,075	5,799	4,737	8,334	47,778

Has help while dressing	Survey wave		Total
	6	7	
-8	5	8	41
-7	0	0	1
0	5,575	4,847	36,996
1	1,316	1,170	7,771
.	380	287	2,969
Total	7,276	6,312	47,778

Rec'd help doing laundry last month	Survey wave					Total
	1	2	3	4	5	
-8	3	5	4	2	8	28
0	6,615	5,227	4,268	3,524	6,678	36,806
1	991	824	612	511	890	5,304
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Rec'd help doing laundry last month	Survey wave		Total
	6	7	
-8	3	3	28
0	5,609	4,885	36,806
1	798	678	5,304
.	866	746	5,640
Total	7,276	6,312	47,778

Rec'd help shopping last month	Survey wave					Total
	1	2	3	4	5	
-8	4	5	5	7	7	42
0	6,059	4,709	3,776	3,183	6,078	33,323
1	1,546	1,342	1,103	847	1,491	8,773
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778



Rec'd help			
shopping	Survey wave		
last month	6	7	Total
-----+-----+-----+-----			
-8	5	9	42
0	5,113	4,405	33,323
1	1,292	1,152	8,773
.	866	746	5,640
-----+-----+-----+-----			
Total	7,276	6,312	47,778

Rec'd help						
preparing			Survey wave			
meals last	1	2	3	4	5	Total
month						
-----+-----+-----+-----+-----+-----+-----						
-8	5	3	4	3	7	32
0	6,721	5,294	4,330	3,600	6,793	37,475
1	883	759	550	434	776	4,631
.	636	1,019	915	700	758	5,640
-----+-----+-----+-----+-----+-----+-----						
Total	8,245	7,075	5,799	4,737	8,334	47,778

Rec'd help			
preparing			
meals last	Survey wave		
month	6	7	Total
-----+-----+-----+-----			
-8	4	6	32
0	5,742	4,995	37,475
1	664	565	4,631
.	866	746	5,640
-----+-----+-----+-----			
Total	7,276	6,312	47,778

Rec'd help						
with			Survey wave			
banking	1	2	3	4	5	Total
last month						
-----+-----+-----+-----+-----+-----+-----						
-8	28	9	8	7	26	122
0	6,478	5,047	4,055	3,399	6,507	35,673
1	1,103	1,000	821	631	1,043	6,343
.	636	1,019	915	700	758	5,640
-----+-----+-----+-----+-----+-----+-----						
Total	8,245	7,075	5,799	4,737	8,334	47,778

Rec'd help			
with			
banking	Survey wave		
last month	6	7	Total
-----+-----+-----+-----			
-8	23	21	122
0	5,457	4,730	35,673
1	930	815	6,343
.	866	746	5,640
-----+-----+-----+-----			
Total	7,276	6,312	47,778

Rec'd help taking medication s last month	Survey wave					
	1	2	3	4	5	Total
-8	4	1	2	2	3	19
0	6,826	5,372	4,351	3,621	6,862	37,870
1	779	683	531	414	710	4,247
.	636	1,019	915	700	759	5,642
Total	8,245	7,075	5,799	4,737	8,334	47,778

Rec'd help taking medication s last month	Survey wave		
	6	7	Total
-8	4	3	19
0	5,808	5,030	37,870
1	597	533	4,247
.	867	746	5,642
Total	7,276	6,312	47,778

Have regular doctor	Survey wave					
	1	2	3	4	5	Total
-8	5	5	6	4	9	48
-7	2	2	6	1	0	12
0	383	295	215	200	396	2,092
1	7,219	5,754	4,657	3,832	7,171	39,986
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Have regular doctor	Survey wave		
	6	7	Total
-8	13	6	48
-7	1	0	12
0	322	281	2,092
1	6,074	5,279	39,986
.	866	746	5,640
Total	7,276	6,312	47,778

Seen regular doctor within last year	Survey wave					
	1	2	3	4	5	Total
-8	11	15	11	8	21	100
-7	1	2	7	1	0	14
0	482	385	313	244	497	2,641
1	7,115	5,654	4,553	3,784	7,058	39,383
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Seen			
regular			
doctor			
within	Survey wave		
last year	6	7	Total
-8	19	15	100
-7	2	1	14
0	392	328	2,641
1	5,997	5,222	39,383
.	866	746	5,640
Total	7,276	6,312	47,778

Was						
regular						
doctor						
visit a						
home						
visit?	Survey wave					Total
	1	2	3	4	5	
-8	2	3	1	3	1	17
-7	1	0	0	0	0	1
0	7,046	5,544	4,436	3,684	6,921	38,594
1	67	107	117	97	136	773
.	1,129	1,421	1,245	953	1,276	8,393
Total	8,245	7,075	5,799	4,737	8,334	47,778

Was			
regular			
doctor			
visit a			
home			
visit?	Survey wave		Total
	6	7	
-8	5	2	17
-7	0	0	1
0	5,874	5,089	38,594
1	118	131	773
.	1,279	1,090	8,393
Total	7,276	6,312	47,778

Hospital						
stay in						
the last						
year 1=yes	Survey wave					Total
	1	2	3	4	5	
-8	8	27	17	16	23	140
-7	1	0	1	0	0	2
0	5,823	4,517	3,621	2,990	5,862	31,860
1	1,777	1,512	1,245	1,031	1,691	10,136
.	636	1,019	915	700	758	5,640
Total	8,245	7,075	5,799	4,737	8,334	47,778

Hospital stay in the last year 1=yes	Survey wave		Total
	6	7	
-8	21	28	140
-7	0	0	2
0	4,874	4,173	31,860
1	1,515	1,365	10,136
.	866	746	5,640
Total	7,276	6,312	47,778

Number unique hospital stays last year	Survey wave					Total
	1	2	3	4	5	
0	5,823	4,517	3,621	2,990	5,862	31,860
1	1,116	986	810	668	1,076	6,492
2	377	290	269	219	368	2,145
3	148	120	95	74	143	806
4	53	41	26	34	29	265
5	28	22	14	14	22	138
6	11	12	8	4	14	66
7	8	8	7	2	11	43
8	7	6	2	0	3	26
9	4	0	1	0	4	11
10	4	5	0	2	2	22
11	1	1	1	5	3	17
12	1	2	1	2	0	7
13	1	0	0	0	0	1
14	1	1	0	0	1	3
15	0	0	1	1	3	5
16	0	1	0	0	0	1
17	1	1	0	0	0	4
20	0	0	0	1	1	3
21	1	0	0	0	0	1
23	1	0	0	1	0	2
25	1	0	0	0	0	1
30	1	2	0	1	0	4
63	0	1	0	0	0	1
64	0	0	0	1	0	1
115	0	0	0	0	0	1
150	0	0	0	0	0	1
.	657	1,059	943	718	792	5,851
Total	8,245	7,075	5,799	4,737	8,334	47,778

Number unique hospital stays last year	Survey wave		Total
	6	7	
0	4,874	4,173	31,860
1	956	880	6,492
2	332	290	2,145
3	127	99	806
4	42	40	265
5	19	19	138
6	8	9	66
7	3	4	43
8	3	5	26
9	1	1	11
10	7	2	22
11	3	3	17
12	0	1	7
13	0	0	1

14		0		0		3
15		0		0		5
16		0		0		1
17		0		2		4
20		1		0		3
21		0		0		1
23		0		0		2
25		0		0		1
30		0		0		4
63		0		0		1
64		0		0		1
115		1		0		1
150		0		1		1
.		899		783		5,851
-----+-----+-----+-----						
Total		7,276		6,312		47,778

```

131
132 *****
133 log close
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\4_nhats_cleaning_18_Apr_
> 2019.smcl
      log type: text
      closed on: 18 Apr 2019, 13:08:38
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```