

```
name: <unnamed>
        log: E:\nhats\nhats code\NHATS data setup\logs\5 nhats cleaning 18 Apr 2
  > 019.smcl
   log type: text
   opened on: 18 Apr 2019, 13:08:42
2.
3.
4
 **********
7 . cd "${work}"
 E:\nhats\data\NHATS working data
8 . ******************
9 . //get all 3 waves helper imputed hours into a single dataset
10.
11. use R1 hrs imputed added.dta
13. local keepvars spid wave opid op hrsmth i numact yearnotmonth disab ///
 > op adl* op_iadl* op_nonadl* son daughter oth_fam rc_staff op_doc_help op_sn o
 > p_age
15. forvalues w=2/$w{}
    2. qui append using R`w'_hrs_imputed_added.dta
16. }
17.
18. tab wave opishelper allw, missing
     Survey |
                opishelper_allw
  wave | -1 1 | Total
                26,500 11,597 | 38,097

28,120 9,824 | 37,944

27,332 8,413 | 35,745

25,931 7,085 | 33,016

39,861 12,424 | 52,285

40,006 11,168 | 51,174

39,533 9,532 | 49,065
          1 | 26,500
2 | 28,120
          2 |
          3 |
          4 |
          7 |
                           70,043 | 297,326
     Total | 227,283
19.
20. // age categories
21. egen op_age=rowmax(dage)
22. label val op_age dage
23. replace op_age=. if inlist(op_age, -8, -7, -1, .) (144,342 real changes made, 144,342 to missing)
```

```
24.
25.
26.
27. //identify paid helpers and staff at residence (not helpers)
28. gen paid=\overline{0}
29. gen rc staff=0
30. forvalues w=1/$w {
               replace paid=1 if paidh==1 & ((relat>=30 & relat<=40) | ///
            relat==92) & wave==`w'
              foreach x of varlist hlp *hlp1 *hlp2 *hlpmst {
    4.
                       replace rc_staff=1 if relat==37 & `x'==1 & wave==`w'
    5. }
    6. }
  (859 real changes made)
  (0 real changes made)
  (55 real changes made)
  (7 real changes made)
  (25 real changes made)
  (894 real changes made)
  (0 real changes made)
  (5 real changes made)
  (1 real change made)
  (25 real changes made)
  (369 real changes made)
  (0 real changes made)
  (3 real changes made)
  (0 real changes made)
  (27 real changes made)
  (406 real changes made)
  (0 real changes made)
  (2 real changes made)
  (0 real changes made)
  (31 real changes made)
  (1,221 real changes made)
  (0 real changes made)
  (4 real changes made)
  (0 real changes made)
  (30 real changes made)
  (532 real changes made)
  (0 real changes made)
  (10 real changes made)
  (3 real changes made)
  (34 real changes made)
  (1,000 real changes made)
  (0 real changes made)
  (7 real changes made)
  (0 real changes made)
  (29 real changes made)
32. gen op sn=0
33. forvalues w=1/$w {
    2.
              replace op sn=socl==1 if wave==`w'
    3. }
  (13,406 real changes made)
  (10,743 real changes made)
  (9,445 real changes made)
  (7,964 real changes made)
  (15,335 real changes made)
  (13,196 real changes made)
  (11,735 real changes made)
```

- 34. label var op sn "OP in SP's social network"
- 35.
- 36. keep `keepvars'
- 37.
- 38. replace opishelper\_allw=0 if opishelper\_allw==-1
   (227,283 real changes made)
- 39. replace op\_hrsmth\_i=. if op\_hrsmth\_i==-1
   (227,283 real changes made, 227,283 to missing)
- 40. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*
- 41. //identify primary helper, person with the most hours / month using imputed ho  $> {
  m urs}$
- 42. sort spid wave opid spouse
- 43.
- 44. gen primary\_cg=0
- 45. egen max hrs\_helped=max(op\_hrsmth\_i) if opishelper\_allw==1, by(spid wave) (227283 missing values generated)
- 46. replace primary\_cg=1 if op\_hrsmth\_i==max\_hrs\_helped & opishelper\_allw==1 (37,829 real changes made)
- 47. tab primary\_cg wave, missing

primary_cg	1	2	Survey wave	4	5	Total
0	31,264   6,833	32,449 5,495	31,325 4,420	29,322 3,694	45,616 6,669	259,497 37,829
Total	38 <b>,</b> 097	37 <b>,</b> 944	35 <b>,</b> 745	33,016	52 <b>,</b> 285	297,326

primary cg	Survey	wave 7	Total
primary_cg	 +		+
0	45,423   5,751	44,098 4,967	259,497 37,829
Total	51,174	49 <b>,</b> 065	297,326

- 48.
- 49. //check that each sp has 1 primary cg identified, doesn't matter!
- 50. egen num\_primary\_cg=total(primary\_cg), by(spid wave)
- 51. tab num\_primary\_cg wave, missing

num_primar   y_cg	1	2	Survey wave	4	5	Total
0   1   2   3   4   5   6   7   9	4,738 31,436 1,575 258 61 12 17 0	6,594 29,780 1,370 169 23 0	6,729 27,771 1,116 119 10 0	6,210 25,671 1,027 78 22 8 0	8,886 41,756 1,461 159 14 0 0	52,232   234,234   9,653   956   174   43   17   8
Total	38 <b>,</b> 097	37,944	35 <b>,</b> 745	33,016	52 <b>,</b> 285	297,326

num_primar y_cg	Survey   6	wave 7	Total
0 1 2 3 4 5 6 7 9	9,284 40,198 1,574 93 12 13 0 0	9,791 37,622 1,530 80 32 10 0	52,232 234,234 9,653 956 174 43 177 8
Total	+   51 <b>,</b> 174	49 <b>,</b> 065	297,326

- 52.
- 53. //assign relationship to primary helper
- 54. //if same number of hours for two different helpers, then assign to spouse fir > st
- 55. gen prim\_helper\_cat=1 if primary\_cg==1 & spouse==1 (280,849 missing values generated)
- 56. replace prim\_helper\_cat=2 if primary\_cg==1 & otherrel==1 & prim\_helper\_cat==.
   (15,620 real changes made)
- 57. replace prim\_helper\_cat=3 if prim\_helper\_cat==.
   (265,229 real changes made)
- 58. la def helpcat 1"Spouse" 2"Other relative" 3"Other, not relative"
- 59. la val prim\_helper\_cat helpcat
- 60. tab prim\_helper\_cat wave, missing

!		Survey	y wave		
prim_helper_cat	1 	2 	3 	4 	Total
Spouse   Other relative   Other, not relative	3,122 2,845 32,130	2,386 2,278 33,280	1,900 1,812 32,033	1,502 1,578 29,936	16,477   15,620   265,229
Total	38,097	37,944	35 <b>,</b> 745	33,016	297,326

		Survey wave		
<pre>prim_helper_cat</pre>	5	- 6	7	Total
Spouse Other relative Other, not relative	2,991 2,668 46,626	2,449 2,368 46,357	2,127 2,071 44,867	16,477   15,620   265,229
Total	52,285	51 <b>,</b> 174	49,065	297,326

- 61
- 62. //get categorical relationship
- 63. gen op\_relationship\_cat=6
- 64. local i=1

```
65. foreach x in spouse daughter son oth fam paid {
               replace op_relationship_cat=`i' if `x'==1 local i=`i'+1
    2.
    3.
    4. }
  (20,932 real changes made)
  (70,229 real changes made)
  (68,581 real changes made)
(62,715 real changes made)
  (5,281 real changes made)
66. label define op relationship cat 1 "Spouse/Partner" 2 "Daughter (incl. step-/-
 > in-law) " ///
  > 3 "Son (incl. step-/-in-law)" 4 "Other family" 5 "Paid CG" 6 "Unpaid non-famil
  > y CG"
67. label values op relationship cat op relationship cat
69. //get total number hours/month help received and number of helpers per spid/wa
70. egen tot hrsmonth help i=total(op hrsmth i), by(spid wave)
71. egen n helpers=count(op hrsmth i), by(spid wave)
72. gen tot_hrswk_help_i=tot_hrsmonth_help_i/(52/12)
73. //family caregivers
74. gen op_family=op_relationship_cat<=4 if opishelper==1 (227,283 missing values generated)
75. label var op family "OP is family helper"
76. egen n family helpers=total(op family), by(spid wave)
77. label var n_family_helpers "Number family helpers"
78. gen ind family helper=n family helpers>0
79. label var ind family helper "Indicatory any family helpers"
80. //paid caregivers
81. egen n paid helpers=total(paid), by(spid wave)
82. gen ind paid helper=n paid helpers>0
83. label var n paid helpers "Number paid helpers"
84. label var ind paid helper "Indicator any paid helpers"
85. egen ind rc staff=max(rc staff), by(spid wave)
86. label var ind rc staff "Indicator Facility Staff in OP file"
87. gen num_helpers_cat=0
88. replace num helpers cat=1 if n helpers>0 & n helpers<.
  (245,094 real changes made)
89. replace num helpers cat=2 if n helpers>3 & n helpers<.
  (32,590 real changes made)
```

- 90. replace num\_helpers\_cat=3 if n\_helpers>=7 & n\_helpers<. (2,745 real changes made)
- 92. label values num\_helpers\_cat num\_helpers\_cat
- 93.
- 94. gen phrs=op\_hrsmth\_i if paid==1 (292,045 missing values generated)
- 95. egen tot\_hrsmonth\_paid\_i=total(phrs), by(spid wave)
- 96. gen tot hrswk paid i=tot hrsmonth paid i/(52/12)
- 97. label var tot\_hrsmonth\_paid\_i "Hours/month help recived, paid helpers, imputed > "
- 98. label var tot hrswk paid i "Hours/week help received, paid helpers, imputed"
- 99. gen op\_hrswk\_i=op\_hrsmth\_i/(52/12)
   (227,283 missing values generated)
- 100 label var op hrswk i "OP hours/week help SP"
- 101
- 102 la var tot\_hrsmonth\_help\_i "Hours / month help received, all helpers, imputed"
- 103 sum tot hrsmonth help i, detail

Hours / month help received, all helpers, imputed

1% 5% 10% 25%	Percentiles 0 0 0 4	Smallest 0 0 0 0	Obs Sum of Wgt.	297,326 297,326
50%	27.5	Targost	Mean Std. Dev.	93.41678 185.5261
75%	90	Largest 2661.06	sta. Dev.	103.3201
90%	242.48	2661.06	Variance	34419.93
95%	480	2661.06	Skewness	3.869629
99%	834.1727	2661.06	Kurtosis	23.51947

- 104 la var tot hrswk help i "Hours / week help received, all helpers, imputed"
- 105
- 106 la var n\_helpers "Number helpers reported by SP"
- 107 tab n helpers wave, missing

Number helpers reported by SP	       1	2	Survey wave	4	5	Total
0	4,738	6,594	6,729	6,210	8,886	52,232
1	15,424	13,403	11,036	10,098	17,418	97,790
2	9,665	9,295	9,107	8,489	13,100	74,830
3	4,659	4,930	4,928	4,405	6,895	39,884
4	2,044	2,071	2,131	2,165	3,400	18,128
5	892	1,026	1,091	977	1,462	8,559
6	356	372	466	342	470	3,158
7	203	97	148	121	335	1,492
8	73	64	44	64	125	568
9	20	59	65	41	126	412
10	10	22	0	48	40	120
11	0	11	0	41	16	85
12	13	0	0	0	12	37

13	0	0	0	15	0	31
Total	38,097	37 <b>,</b> 944	35 <b>,</b> 745	33,016	52 <b>,</b> 285	297,326

Number helpers reported by SP	   Survey   6	wave	Total
0 1 2 3 4 5 6 7 7 8 9 10 11 12 13	9,284 15,620 12,869 7,244 3,310 1,694 620 375 87 71 0 0 0	9,791 14,791 12,305 6,823 3,007 1,417 532 213 111 30 0 17 12	52,232 97,790 74,830 39,884 18,128 8,559 3,158 1,492 568 412 120 85 37
Total	51,174	49 <b>,</b> 065	297,326

108 la var prim\_helper\_cat "Primary helper relationship, missing if no helper"
109 tab prim\_helper\_cat wave, missing

Primary helper   relationship,   missing if no		Survey	wave		
helper	1	2	3	4	Total
Spouse   Other relative   Other, not relative	3,122 2,845 32,130	2,386 2,278 33,280	1,900 1,812 32,033	1,502   1,578   29,936	16,477 15,620 265,229
Total	38 <b>,</b> 097	37 <b>,</b> 944	35 <b>,</b> 745	33,016	297,326

Primary helper relationship, missing if no helper	       5	Survey wave	7	Total
Spouse Other relative Other, not relative	2,991 2,668 46,626	2,449 2,368 46,357	2,127 2,071 44,867	16,477   15,620   265,229
Total	52,285	51 <b>,</b> 174	49,065	297,326

110
111 la var tot\_hrsmonth\_help\_i "Hours / month help received, all helpers, imputed"
112 sum tot\_hrsmonth\_help\_i, detail

Hours / month help received, all helpers, imputed

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	297 <b>,</b> 326
25%	4	0	Sum of Wgt.	297,326

50%	27.5		Mean	93.41678
		Largest	Std. Dev.	185.5261
75%	90	2661.06		
90%	242.48	2661.06	Variance	34419.93
95%	480	2661.06	Skewness	3.869629
99%	834.1727	2661.06	Kurtosis	23.51947

113 la var tot\_hrswk\_help\_i "Hours / week help received, all helpers, imputed"

114 115 la var n\_helpers "Number helpers reported by SP"

116 tab n\_helpers wave, missing

38,097	37,944	35,745	33,016	52,285	297,326
13 0	0	0	0 15	12 0	37
i 0	11	0	41	16	i 85
10	22	0	48	40	120
20	59	65	41	126	412
73	64	44	64	125	568
203	97	148	121	335	1,492
356	372	466	342	470	3,158
892	1,026	1,091	977	1,462	8,559
2,044	2,071	2,131	2,165	3,400	18,128
4,659	4,930	4,928	4,405	6 <b>,</b> 895	39,884
9,665	9 <b>,</b> 295	9,107	8,489	13,100	74,830
15,424	13,403	11,036	10,098	17,418	97,790
4,738	6,594	6 <b>,</b> 729	6,210	8,886	52,232
+	2 	3	4	5	Total
		_		_	
	15,424 9,665 4,659 2,044 892 356 203 73 20 1 0 1 0 1 3	15,424 13,403 9,665 9,295 4,659 4,930 2,044 2,071 892 1,026 356 372 203 97 73 64 20 59 1 10 22 1 0 22 1 0 11 1 3 0 0 0	1     2     3       4,738     6,594     6,729       15,424     13,403     11,036       9,665     9,295     9,107       4,659     4,930     4,928       2,044     2,071     2,131       892     1,026     1,091       356     372     466       203     97     148       73     64     44       20     59     65       1     0     22     0       0     11     0     0       1     0     0     0       0     0     0     0	4,738	1       2       3       4       5         1       4,738       6,594       6,729       6,210       8,886         15,424       13,403       11,036       10,098       17,418         19,665       9,295       9,107       8,489       13,100         4,659       4,930       4,928       4,405       6,895         2,044       2,071       2,131       2,165       3,400         892       1,026       1,091       977       1,462         356       372       466       342       470         203       97       148       121       335         73       64       44       64       125         20       59       65       41       126         10       22       0       48       40         0       11       0       41       16         13       0       0       0       12         0       0       0       15       0

Number helpers reported by SP	   Surve   6	y wave 7	Total
0 1 2 3 4 5 6 7 8 9 10 11 12 13	9,284 15,620 12,869 7,244 3,310 1,694 620 375 87 71 0 0 0	9,791 14,791 12,305 6,823 3,007 1,417 532 213 111 30 0 17 12	52,232   97,790   74,830   39,884   18,128   8,559   3,158   1,492   568   412   120   85   37
Total	51,174	49 <b>,</b> 065	297,326

117 la var prim\_helper\_cat "Primary helper relationship, missing if no helper"
118 tab prim\_helper\_cat wave, missing

Primary helper relationship, missing if no		Surve	y wave		
helper	1	2	3	4	Total
Spouse Other relative Other, not relative	3,122 2,845 32,130	2,386 2,278 33,280	1,900 1,812 32,033	1,502 1,578 29,936	16,477 15,620 265,229
Total	38,097	37 <b>,</b> 944	35,745	33,016	297,326

Primary helper   relationship,   missing if no   helper	5	Survey wave	7	Total
Spouse   Other relative   Other, not relative	2,991 2,668 46,626	2,449 2,368 46,357	2,127 2,071 44,867	16,477   15,620   265,229
Total	52 <b>,</b> 285	51 <b>,</b> 174	49,065	297,326

```
119
120
121 //number in social network
122 by spid wave, sort: egen n_sn=total(op_sn)
123 replace n_sn=0 if missing(n_sn)
```

(0 real changes made)

124 label var n\_sn "Number in social network"

126 //save as op file before dropping down to one obs per spid
127 saveold "E:/nhats/data/NHATS cleaned/op\_round\_1\_\$\{w\}.dta", replace version(12)
 (saving in Stata 12 format, which can be read by Stata 11 or 12)
 file E:/nhats/data/NHATS cleaned/op\_round\_1\_7.dta saved

128
129 //keep the entry for the primary caregiver only, this will then be the
130 //information merged into the SP dataset
131 keep if primary\_cg==1
 (259,497 observations deleted)

132
133 //sort and keep only first primary cg, again preference given if spouse
134 gsort spid wave -spouse otherrel opid

135 duplicates drop spid wave, force

 $\hbox{\tt Duplicates in terms of spid wave}$ 

(1,662 observations deleted)

136  $137 \ // \text{now one obs per sp - wave}$ 

138 139 sum tot\_hrsmonth\_help\_i, detail

Hours / month help received, all helpers, imputed

1% 5% 10% 25%	Percentiles 0 2 4 12.67796	Smallest 0 0 0 0	Obs Sum of Wqt.	36,167 36,167
200	12.07730	ő	ban of nge.	30/101
50%	36.17251	Largest	Mean Std. Dev.	108.6939 192.8727
75%	103.92	2290.57		
90%	273	2537	Variance	37199.88
95%	621.97	2581.12	Skewness	3.511812
99%	836	2661.06	Kurtosis	19.63268

140 tab n\_helpers wave, missing

Number   helpers   reported   by SP	1	2	Survey wave	4	5	Total
1   2   3   4   5   6   7   8   9   10   11   12	3,356 1,817 764 302 123 39 22 8 2 1	2,526 1,528 733 266 113 38 10 5 5 2	1,856 1,326 627 245 116 47 15 0	1,529 1,115 516 227 94 33 10 5 3	2,982 1,931 889 379 146 44 27 10 9	16,670   10,927   5,104   2,062   876   301   130   46   32   9
13   + Total	0 6,435	0 5,227	0 4,241	1 3,538	0 6,422	2 +   36,167

Number helpers reported by SP	   Surve	y wave 7	Total
1 2 3 4 5 6 7 8 9 10 11 12	2,374 1,718 841 347 161 55 30 6 6 0 0	2,047 1,492 734 296 123 45 16 8 2 0	16,670 10,927 5,104 2,062 876 301 130 46 32 9
Total	5,538	4,766	36,167

141 tab prim helper cat wave, missing

```
Primary helper |
       relationship,
           ationship, |
ssing if no | Survey wave
helper | 1 2 3 4 | Total
       missing if no |
  Spouse | 3,122 2,386 1,900 1,502 | 16,477
Other relative | 2,498 2,049 1,649 1,449 | 14,195
Other, not relative | 815 792 692 587 | 5,495
               Total | 6,435 5,227 4,241 3,538 | 36,167
       Primary helper |
       relationship, |
       missing if no | Survey wave

helper | 5 6 7 | Total
  Spouse | 2,991 2,449 2,127 | 16,477 Other relative | 2,468 2,185 1,897 | 14,195 Other, not relative | 963 904 742 | 5,495
               Total | 6,422 5,538 4,766 | 36,167
143 //merge this helper data with the main SP dataset
144 save helper_by_sp.dta, replace
  file helper_by_sp.dta saved
146 use round 1 ${w} cleanv3, clear
148 merge 1:1 spid wave using helper by sp.dta, keepusing(opid n helpers n fam ind
 > _fam ///
> tot broad
     tot hrsmonth * prim helper cat ind pa n pai tot hrswk* num helpers cat ind rc
  > _*)
      Result
                                       # of obs.
      not matched
                                        11,611
                                          11,611 (_merge==1)
0 (_merge==2)
          from master
          from using
                                         36,167 ( merge==3)
      matched
149
150 drop _merge
152 foreach x in n_helpers ind_pa n_paid num_helpers_cat{ 2. replace `x'=0 if `x'==.
    3. }
  (11,611 real changes made)
  (11,611 real changes made)
  (11,611 real changes made)
  (11,611 real changes made)
```

- 153 154 gen ind\_no\_helpers=. (47,778 missing values generated)
- 155 replace ind\_no\_helpers=1 if n\_helpers==0
   (11,611 real changes made)
- 156 replace ind\_no\_helpers=0 if n\_helpers>0
   (36,167 real changes made)
- 157 la var ind no helpers "Indicator no Helpers reported"
- 158 tab ind\_no\_helpers wave, missing

Indicator no Helpers reported	     1	2	Survey wave	4	5	Total
0 1	6,435 1,810	5,227 1,848	4,241 1,558	3,538 1,199	6,422 1,912	36,167 11,611
Total	8,245	7 <b>,</b> 075	5 <b>,</b> 799	4,737	8,334	47,778

Indicator no Helpers reported	   Survey   6	wave 7	Total
0	5,538 1,738	4,766 1,546	36,167   11,611
Total	7,276	6,312	47,778

159
160 la var tot\_hrsmonth\_help\_i "Hours / month help received, all helpers, imputed"
161 sum tot\_hrsmonth\_help\_i, detail

Hours / month help received, all helpers, imputed

1.0	Percentiles	Smallest		
1%	0	Ō		
5%	2	0		
10%	4	0	Obs	36,167
25%	12.67796	0	Sum of Wgt.	36,167
50%	36.17251		Mean	108.6939
		Largest	Std. Dev.	192.8727
75%	103.92	2290.57		
90%	273	2537	Variance	37199.88
95%	621.97	2581.12	Skewness	3.511812
99%	836	2661.06	Kurtosis	19.63268

- 162 la var tot hrswk help i "Hours / week help received, all helpers, imputed"
- 164 la var n helpers "Number helpers reported by SP"
- 165 tab n helpers wave, missing

Number helpers reported by SP	  - 	2	Survey wave	4	5	Total
0	1,810 3,356	1,848 2,526	1,558 1,856	1,199 1,529	1,912 2,982	11,611
2	1,817	1,528	1,326	1,115	1,931	10,927
3	764	733	627	516	889	5,104
4	302	266	245	227	379	2,062
5	123	113	116	94	146	876
6	39	38	47	33	44	301
7	22	10	15	10	27	130
8	8	5	4	5	10	46
9	2	5	5	3	9	j 32
10	1	2	0	3	3	9
11	0	1	0	2	1	5
12	1	0	0	0	1	3
13	0	0	0	1	0	2
Total	8,245	7 <b>,</b> 075	5,799	4,737	8 <b>,</b> 334	47,778

Number helpers reported by SP	 	wave 7	Total
0 1 2 3 4 5 6 7 8 9 10 11 12	1,738 2,374 1,718 841 347 161 55 30 6 6 0 0	1,546 2,047 1,492 734 296 123 45 16 8 2 0	11,611 16,670 10,927 5,104 2,062 876 301 130 46 32 9
Total	7,276	6,312	47,778

166 la var prim\_helper\_cat "Primary helper relationship, missing if no helper"
167 tab prim\_helper\_cat wave, missing

Primary helper   relationship,   missing if no   helper	Survey wave 1 2 3 4   Total						
Spouse   Other relative   Other, not relative	3,122 2,498 815 1,810	2,386 2,049 792 1,848	1,900 1,649 692 1,558	1,502   1,449   587   1,199	16,477 14,195 5,495 11,611		
Total	8,245	7,075	5,799	4,737	47,778		

> 019.smcl log type:

closed on: 18 Apr 2019, 13:08:59

```
Primary helper |
        relationship,
                           Survey wave 5 6
        missing if no |
              helper |
  Spouse | 2,991 2,449 2,127 | 16,477
Other relative | 2,468 2,185 1,897 | 14,195
Other, not relative | 963 904 742 | 5,495
. | 1,912 1,738 1,546 | 11,611
               Total | 8,334 7,276 6,312 | 47,778
168
169 rename opid prim helper opid
170 destring prim_helper_opid, replace
  prim_helper_opid: all characters numeric; replaced as byte
  (11611 missing values generated)
171 la var prim helper opid "Primary helper OPID"
174 //save the dataset with helper information added
175
176 save round_1_${w}_clean_helper_added.dta, replace
    file round_1_7_clean_helper_added.dta saved
177
178 saveold round_1_$\$\{w\}_clean_helper_added_old.dta, replace (saving in Stata 13 format)
  (FYI, saveold has options version(12) and version(11) that write files in
        older Stata formats)
    note: variable label "R2 F SS DEAF PRIOR OR CURRENT ROUND " contains unicode
         and thus may not display well in Stata 13.
  file round 1 7 clean helper added old.dta saved
180 ***********************************
181 log close
        name: <unnamed>
        log: E:\nhats\nhats code\NHATS data setup\logs\5 nhats cleaning 18 Apr 2
```