

```
name: <unnamed>
        log: E:\nhats\nhats code\NHATS data setup\logs\5 nhats cleaning 19 Apr 2
  > 019.smcl
   log type: text
   opened on: 19 Apr 2019, 16:27:18
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
              -1 1 | Total
      wave |
                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/$w {
               replace paid=1 if paidh==1 & ((relat>=30 & relat<=40) | ///
   2.
            relat==92) & wave==`w'
              foreach x of varlist hlp *hlp1 *hlp2 *hlpmst {
    4.
                       replace rc_staff=1 if relat==37 & `x'==1 & wave==`w'
    5. }
    6. }
  (859 real changes made)
  (0 real changes made)
  (55 real changes made)
  (7 real changes made)
  (25 real changes made)
  (894 real changes made)
  (0 real changes made)
  (5 real changes made)
  (1 real change made)
  (25 real changes made)
  (369 real changes made)
  (0 real changes made)
  (3 real changes made)
  (0 real changes made)
  (27 real changes made)
  (406 real changes made)
  (0 real changes made)
  (2 real changes made)
  (0 real changes made)
  (31 real changes made)
  (1,221 real changes made)
  (0 real changes made)
  (4 real changes made)
  (0 real changes made)
  (30 real changes made)
  (532 real changes made)
  (0 real changes made)
  (10 real changes made)
  (3 real changes made)
  (34 real changes made)
  (1,000 real changes made)
  (0 real changes made)
  (7 real changes made)
  (0 real changes made)
  (29 real changes made)
32. gen op sn=0
33. forvalues w=1/$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 $> {\it urs}$
- 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 1 | 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 | 38,097 | 37 , 944 | 35 , 745 | 33,016 | 52 , 285 | 297,326 |

| primary_cg | Survey | wave 7 | Total |
|------------|-------------------|-----------------|---------|
| 0 1 | 45,423 5,751 | 44,098 4,967 | 259,497 |
| Total | 51,174 | 49,065 | 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 0 | 6,729 27,771 1,116 119 10 0 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 |
| Total | + 38,097 | 37,944 | 35 , 745 | 33,016 | 52 , 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 , 174 | 49 , 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

| | | Surve | 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 , 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 , 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)
- 91. label define num helpers cat 0 "No helpers" 1 "1-3 helpers" 2 "4-6 helpers" // > 3 "7+ helpers"
- 92. label values num_helpers_cat num_helpers_cat
- 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 | Largest | Mean Std. Dev. | 93.41678 185.5261 |
| 75% | 90 | 2661.06 | bea. bev. | 100.0201 |
| 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"
- 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 | 38,0 | 97 37 , 944 | 35,745 | 33,016 | 52 , 285 | 297,326 |

| Number helpers reported by SP | Survey | y wave 7 | 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 | 49,065 | 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 helper | 1 | Surve _e 2 | y wave 3 | 4 | Total |
|--|-----------------|-------------------------|-----------------|-----------------|-------------------|
| Spouse | 3,122 | 2,386 | 1,900 | 1,502 | 16,477 |
| Other relative Other, not relative | 2,845 32,130 | 2,278 33,280 | 1,812 32,033 | 1,578 29,936 | 15,620 265,229 |
| Total | 38 , 097 | 37 , 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 | 52,285 | 51 , 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 | 297,326 |
| 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

| Number helpers reported by SP | | 2 | Survey wave | 4 | 5 | Total |
|--|-------------------|-----------------|-----------------|-----------------|-----------------|------------------|
| 0 | 4,738 1 15,424 | 6,594 13,403 | 6,729 11,036 | 6,210 10,098 | 8,886 17,418 | 52,232 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 , 944 | 35 , 745 | 33,016 | 52 , 285 | 297,326 |

| Number helpers reported by SP | Surve | ey wave 7 | 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 | 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 | 49,065 | 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 helper | 1 | Surve 2 | y wave | 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 , 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 , 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

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

Duplicates in terms of spid wave

(1,662 observations deleted)

136 137 //now one obs per sp - wave 138

139 sum tot_hrsmonth_help_i, detail

Hours / month help received, all helpers, imputed

| 1% 5% 10% | Percentiles 0 2 4 | Smallest 0 0 0 | Obs | 36,167 |
|-----------------|----------------------------|-------------------------|-------------|----------|
| | = | O | | • |
| 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 |

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 13 | 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 4 5 0 | 1,529 1,115 516 227 94 33 10 5 3 3 2 | 2,982 1,931 889 379 146 44 27 10 9 3 1 | 16,670 10,927 5,104 2,062 876 301 130 46 32 9 5 |
| Total | + 6,435 | 5 , 227 | 4,241 | 3,538 | 6 , 422 | 36,167 |

| Number helpers reported by SP | Survey 6 | wave 7 | Total |
|---|--|--|---|
| 1 2 3 4 5 6 7 8 9 10 11 12 13 | 2,374 1,718 841 347 161 55 30 6 1 6 0 0 | 2,047 1,492 734 296 123 45 16 8 2 0 | 16,670 10,927 5,104 2,062 876 301 130 466 32 9 |
| Total | + 5,538 | 4,766 | 36,167 |

```
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 , 075 | 5 , 799 | 4,737 | 8,334 | 47,778 |

| Indicator no Helpers reported | Survey 6 | wave 7 | Total |
|-------------------------------|---------------------|----------------|--------------------|
| 0 1 | 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% 5% 10% 25% | Percentiles 0 2 4 12.67796 | Smallest 0 0 0 0 | Obs Sum of Wgt. | 36,167 36,167 |
|------------------------|--|------------------------------|--------------------|----------------------|
| 50% | 36.17251 | Largest | Mean Std. Dev. | 108.6939 192.8727 |
| 75% | 103.92 | 2290.57 | 204. 201. | 132.0727 |
| 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"

163

164 la var n helpers "Number helpers reported by SP"

165 tab n helpers wave, missing

| Number helpers reported | | | Survey wave | | | |
|--|--|---|--|--|---|--|
| by SP | 1 + | 2 | 3 3 | 4 | 5 | Total |
| 0 1 2 3 4 5 6 7 8 9 10 11 12 13 | 1,810 3,356 1,817 764 302 123 39 22 8 8 2 1 0 | 1,848 2,526 1,528 733 266 113 38 10 5 2 1 | 1,558 1,856 1,326 627 245 116 47 15 4 5 0 0 | 1,199 1,529 1,115 516 227 94 33 10 5 3 3 2 0 | 1,912 2,982 1,931 889 379 146 44 27 10 9 | 11,611 16,670 10,927 5,104 2,062 876 301 130 46 32 9 |
| Total | + 8 , 245 | 7 , 075 | 5 , 799 | 4,737 | 8 , 334 | + 47 , 778 |

| Number helpers reported by SP | Surve | ey wave 7 | Total |
|--|---|---|---|
| 0 1 2 3 4 5 6 7 8 9 10 11 12 13 | 1,738 2,374 1,718 841 347 161 55 30 6 6 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 1 5 1 32 |
| 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 | 1 | Survey 2 | wave 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: 19 Apr 2019, 16:27:34

```
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 19 Apr 2
```