



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\6_nhats_cleaning_22_Mar_2
> 019.smcl
      log type: text
      opened on: 22 Mar 2019, 09:51:10

1 .
2 .
3 .
4 . *****
5 .
6 .
7 . //Pull dates from restricted tracker
8 . use "E:\nhats\data\NHATS Restricted\NHATS Round 7 Tracker Restricted STATA\NHA
> TS_Round_7_Tracker_Restricted.dta", clear

9 . keep spid r*spstatdtdy

10. rename r*spstatdtdy spstatdtdy*

11. reshape long spstatdtdy, i(spид) j(wave)
    (note: j = 1 2 3 4 5 6 7)

    Data                                wide  ->   long
    -----
    Number of obs.                      19530  ->  136710
    Number of variables                   8      ->    3
    j variable (7 values)                 ->   wave
    xij variables:
    spstatdtdy1 spstatdtdy2 ... spstatdtdy7  ->  spstatdtdy
    -----

12. tempfile resttrack

13. save `resttrack'
    file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_000001.tmp saved

14.
15. //Does not need to change, unless get new metro file.
16.
17. //7/13/17--add in metro/nonmetro var
18. use "E:\nhats\data\NHATS Public\NHATS_Round_1_6_MetNonmet_STATA\NHATS_Round_1_
> 6_MetNonmet.dta", clear

19. forvalues w=1/6 {
    2. gen metro_ind`w'=r`w'd==1 if inrange(r`w'd,1,2)
    3. }
    (4,182 missing values generated)
    (5,352 missing values generated)
    (6,628 missing values generated)
    (7,690 missing values generated)
    (4,093 missing values generated)
    (5,151 missing values generated)

20. reshape long metro_ind, i(spид) j(wave)
    (note: j = 1 2 3 4 5 6)

    Data                                wide  ->   long
    -----
    Number of obs.                      12427  ->  74562
    Number of variables                   13      ->    9
    j variable (6 values)                 ->   wave
    xij variables:
    metro_ind1 metro_ind2 ... metro_ind6  ->  metro_ind
    -----

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21. label var metro_ind "Lives in metropolitan area"
22. note metro_ind: From metro non-metro file, r(wave)dmtnomet raw variable.
23.
24. label define metro_ind 0 "Non-Metro" 1 "Metro"
25. label values metro_ind metro_ind
26.
27. tempfile metro
28. save `metro'
    file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_000002.tmp saved
29.
30. cd "${work}"
    E:\nhats\data\NHATS working data
31.
32. use round_1_$w_clean_helper_added.dta
33. merge 1:1 spid wave using `metro', keep(match master) nogen

      Result                                     # of obs.
      -----
not matched                                     6,312
    from master                               6,312
    from using                                 0
matched                                         41,466
-----

34.
35.
36. // 3/21/2019--Adding LM questions from LML interview section, P01 Aldridge
37.
38. gen qoc_lml_e=.
    (47,778 missing values generated)
39. replace qoc_lml_e=1 if ratecare==1
    (1,317 real changes made)
40. replace qoc_lml_e=0 if inrange(ratecare,2,5)
    (1,259 real changes made)
41. note qoc_lml_e: Quality of Care rated as excellent. Coming from LM11 (Waves 2+
    > )
42. note qoc_lml_e: Located in NHATS Setup, under Part 7.
43. note qoc_lml_e: Created: 3/21/19-MH
44. /*
    > gen qoc_lml=ratecare
    > replace qoc_lml=. if inlist(ratecare,-8,-7,-1,6)
    > */
45.
46. foreach x in pain bre sad{
    2. gen unmet_`x'_lml=.
    3. replace unmet_`x'_lml=0 if inrange(`x', 1, 2)
    4. replace unmet_`x'_lml=1 if (`x'==1 & `x'hlp==2) | (`x'==1 & `x'hlp==1 & `x'
    > hlpam==1)
    5. }
    (47,778 missing values generated)
    (2,403 real changes made)
    (270 real changes made)
    (47,778 missing values generated)
    (2,443 real changes made)
    (190 real changes made)
    (47,778 missing values generated)
    (2,334 real changes made)

```

(432 real changes made)

47. note unmet\_pain\_lml: Unmet needs for pain management. Coming from LM1, LM1A, L  
> M1B (Waves 2+)
48. note unmet\_pain\_lml: Located in NHATS Setup, under Part 7.
49. note unmet\_pain\_lml: Created: 3/21/19-MH
- 50.
51. note unmet\_bre\_lml: Unmet needs for dyspnea (breathing) management. Coming fro  
> m LM2, LM2A, LM2B (Waves 2+)
52. note unmet\_bre\_lml: Located in NHATS Setup, under Part 7.
53. note unmet\_bre\_lml: Created: 3/21/19-MH
- 54.
55. note unmet\_sad\_lml: Unmet needs for sadness (anxiety) management. Coming from  
> LM3, LM3A, LM3B (Waves 2+)
56. note unmet\_sad\_lml: Located in NHATS Setup, under Part 7.
57. note unmet\_sad\_lml: Created: 3/21/19-MH
- 58.
59. foreach x in respect informed{  
  2. gen `x'\_lml=.  
  3. replace `x'\_lml=0 if inrange(`x', 1, 4)  
  4. replace `x'\_lml=1 if inrange(`x', 2,4)  
  5. }  
(47,778 missing values generated)  
(2,558 real changes made)  
(273 real changes made)  
(47,778 missing values generated)  
(2,552 real changes made)  
(430 real changes made)
- 60.
61. note respect\_lml: Not always treated with respect. Coming from LM7 (Waves 2+)
62. note respect\_lml: Located in NHATS Setup, under Part 7.
63. note respect\_lml: Created: 3/21/19-MH
- 64.
65. note informed\_lml: Family not always informed for individuals condition. Comin  
> g from LM8 (Waves 2+)
66. note informed\_lml: Located in NHATS Setup, under Part 7.
67. note informed\_lml: Created: 3/21/19-MH
- 68.
69. foreach x in caredecis carenowan{  
  2. gen `x'\_lml=.  
  3. replace `x'\_lml=0 if inlist(`x', 1, 2)  
  4. replace `x'\_lml=1 if `x'==1  
  5. }  
(47,778 missing values generated)  
(2,499 real changes made)  
(182 real changes made)  
(47,778 missing values generated)  
(2,493 real changes made)  
(231 real changes made)

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70.
71. note caredecis_lml: Inadequate input about care decisions. Coming from LM4 (Wa
  > ves 2+)
72. note caredecis_lml: Located in NHATS Setup, under Part 7.
73. note caredecis_lml: Created: 3/21/19-MH
74.
75. note carenowan_lml: Care not consistent with goals. Unwanted Care. Coming from
  > LM5 (Waves 2+)
76. note carenowan_lml: Located in NHATS Setup, under Part 7.
77. note carenowan_lml: Created: 3/21/19-MH
78.
79.
80. //1/28/2019-Advance Care Planning based off of Ornstein instructions
81.
82. gen no_acp=0
83. replace no_acp=1 if inlist(eoltalk, 2, -8, -7) & inlist(poweratty, 2, -7, -8)
  > & inlist(livngwill, 2, -7, -8)
  (580 real changes made)
84. replace no_acp=. if inlist(eoltalk, -1, -9, .) | inlist(poweratty, -1, -9, .)
  > | inlist(livngwill, -1, -9, .)
  (45,763 real changes made, 45,763 to missing)
85. note no_acp: Only in Rd2. no_acp=1 if eoltalk=2,-7,-8 & poweratty=2,-7,-8 & li
  > vingwill=2,-7,-8.
86. note no_acp: No Advance Care Planning based off of talk about EOL care, legal
  > arrangements, and living will all being no.
87. note no_acp: Located in NHATS Setup, under Part 7.
88. note no_acp: Created: 1/28/19-MH
89.
90. gen formal_acp=0
91. replace formal_acp=1 if inlist(eoltalk, 2, -8, -7) & (poweratty==1 | livngwill
  > ==1)
  (279 real changes made)
92. replace formal_acp=. if inlist(eoltalk, -1, -9, .) | inlist(poweratty, -1, -9,
  > .) | inlist(livngwill, -1, -9, .)
  (45,763 real changes made, 45,763 to missing)
93. note formal_acp: Only in Rd2. formal_acp=1 if eoltalk=2,-7,-8 & (poweratty=1 |
  > livingwill=1)
94. note formal_acp: Formal Advance Care Planning based off of not talking about E
  > OL care and either having ///
  > having legal arrangements or having a living will.
95. note formal_acp: Located in NHATS Setup, under Part 7.

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96. note formal_acp: Created: 1/28/19-MH
97.
98. gen informal_acp=0
99. replace informal_acp=1 if eoltalk==1 & inlist(poweratty, 2, -7, -8) & inlist(1
  > ivngwill, 2, -7, -8)
  (243 real changes made)
100 replace informal_acp=. if inlist(eoltalk, -1, -9, .) | inlist(poweratty, -1, -
  > 9, .) | inlist(livngwill, -1, -9, .)
  (45,763 real changes made, 45,763 to missing)
101 note informal_acp: Only in Rd2. informal_acp=1 if eoltalk=1 & poweratty=2,-7,-
  > 8 & livingwill=2,-7,-8
102 note informal_acp: Informal Advance Care Planning based off of talking about E
  > OL care and not having ///
  > having legal arrangements and not having a living will.
103 note informal_acp: Located in NHATS Setup, under Part 7.
104 note informal_acp: Created: 1/28/19-MH
105
106 gen acp=0
107 replace acp=1 if eoltalk==1 & (poweratty==1 | livngwill==1)
  (913 real changes made)
108 replace acp=. if inlist(eoltalk, -1, -9, .) | inlist(poweratty, -1, -9, .) | i
  > nlist(livngwill, -1, -9, .)
  (45,763 real changes made, 45,763 to missing)
109 note formal_acp: Only in Rd2. formal_acp=1 if eoltalk=2,-7,-8 & (poweratty=1 |
  > livingwill=1)
110 note formal_acp: Formal Advance Care Planning based off of not talking about E
  > OL care and either having ///
  > having legal arrangements or having a living will.
111 note formal_acp: Located in NHATS Setup, under Part 7.
112 note formal_acp: Created: 1/28/19-MH
113
114
115 label var no_acp "No Advance care planning, 1=yes"
116 label var formal_acp "Formal Advance care planning, 1=yes"
117 label var informal_acp "Informal Advance care planning, 1=yes"
118 label var acp "Advance care planning (Formal & Informal), 1=yes"
119 label define acp 0 "No" 1 "Yes"
120 foreach x in no_acp formal_acp informal_acp acp {
  2. label values `x' acp
  3. }

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121
122
123 foreach x in no_acp formal_acp informal_acp acp {
124   2. tab `x' if wave==2 , m
125   3. }

```

No Advance care planning, 1=yes				
	Freq.	Percent	Cum.	
No	1,435	20.28	20.28	
Yes	580	8.20	28.48	
.	5,060	71.52	100.00	
Total	7,075	100.00		

Formal Advance care planning, 1=yes				
	Freq.	Percent	Cum.	
No	1,736	24.54	24.54	
Yes	279	3.94	28.48	
.	5,060	71.52	100.00	
Total	7,075	100.00		

Informal Advance care planning, 1=yes				
	Freq.	Percent	Cum.	
No	1,772	25.05	25.05	
Yes	243	3.43	28.48	
.	5,060	71.52	100.00	
Total	7,075	100.00		

Advance care planning (Formal & Informal), 1=yes				
	Freq.	Percent	Cum.	
No	1,102	15.58	15.58	
Yes	913	12.90	28.48	
.	5,060	71.52	100.00	
Total	7,075	100.00		

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124
125 // 8/10/2018 Add in 2011 weight for rd 5,6
126 rename an2011wgt0 an2011wgt
127 label var an2011wgt "2011 weights"

```

```

128
129 rename trfinwgt0 trfinwgt

130 rename tr2011wgt0 tr2011wgt

131
132 //Add in 7/3/18
133
134 foreach w in 1 5{
    2.      replace serarmfor=1 if serarmfor==1 & wave==`w'
    3.      replace serarmfor=0 if serarmfor==2 & wave==`w'
    4.      replace serarmfor=. if serarmfor==7 & wave==`w'
    5.      replace serarmfor=. if serarmfor==8 & wave==`w'
    6. }
    (0 real changes made)
    (5,740 real changes made)
    (7 real changes made, 7 to missing)
    (74 real changes made, 74 to missing)
    (0 real changes made)
    (5,661 real changes made)
    (4 real changes made, 4 to missing)
    (185 real changes made, 185 to missing)

135 label var serarmfor "Served in Armed Forces"

136 sort spid wave

137 by spid: carryforward serarmfor, replace
    serarmfor:  (30900 real changes made)

138 notes drop serarmfor
    (1 note dropped)

139
140 //Add in 4/6/18
141 label var dresslf "Often you Dress Yourself"

142
143 label var dresdif "Difficulty when using Special Items by Self"

144
145 label var ntlvrmslp "Often had to Stay in Bed"

146
147 label var eatdev "Ever use Adapted Utensils"

148
149
150 ///// 4/2/2018--Adding in income quartile
    > sort wave

151 forvalues w=1/$w {
    2. xtile income_quart`w'=aveincome [aw=anfinwgt0] if wave==`w', nq(4)
    3. }

152 egen income_quart=rowmax(income_quart*)
    (3517 missing values generated)

153
154 forvalues w=1/$w{
    2. drop income_quart`w'
    3. }

```

```

155
156 label var income_quart "Quartile of Income"

157 label define income_quart 1 "Bottom" 2 "Second" 3 "Third" 4 "Top"

158 label values income_quart income_quart

159
160 ///// 3/26/18 --Adding in Hospice and place died variables.
161 >
161 label var placedied "Place of Death"

162 replace placedied=. if inlist(placedied,-1,-8)
    (36,872 real changes made, 36,872 to missing)

163 replace placedied=6 if placedied==91
    (85 real changes made)

164
165 replace hospice2=. if inlist(hospice2,-1,-8)
    (39,325 real changes made, 39,325 to missing)

166
167 rename hospcelml hospicelml

168 foreach x in hospicel hospicelml {
    2. replace `x'=. if inlist(`x',-1,-8)
    3. replace `x'=0 if `x'==2
    4. }
    (38,761 real changes made, 38,761 to missing)
    (569 real changes made)
    (30,754 real changes made, 30,754 to missing)
    (972 real changes made)

169
170 label var hospice1 "Hospice at Nursing Home"

171 label var hospice2 "Hospice Other Place"

172 label var hospicelml "Hospice Care in Last Month"

173
174
175 ///// 3/14/18 --Adding in Frailty underlying series
176 >
176 //activities done twice (grip test, walk test..)
177
178 forvalues i=1/2{
    2. capture drop gripsec`i'
    3. rename grp`i'rdng gripsec`i'
    4. rename wlkc`i'secs walksec`i'
    5. rename wlk`i'hndr walkhndr`i'
    6. }
179 replace gripsec`i'=. if inlist(gripsec`i', -1, -9, -7, -8)
    7. replace walksec`i'=. if inlist(walksec`i', -1, -9, -7, -8)
    8. replace walkhndr`i'=. if inlist(walkhndr`i', -1, -9, -7, -8)
    9. }
    (12,833 real changes made, 12,833 to missing)
    (12,985 real changes made, 12,985 to missing)
    (13,083 real changes made, 13,083 to missing)
    (12,915 real changes made, 12,915 to missing)
    (13,044 real changes made, 13,044 to missing)
    (13,142 real changes made, 13,142 to missing)

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```

180
181 label var gripsc1 "GRP1 Display Reading"
182 label var gripsc2 "GRP2 Display Reading"
183 label var walksec1 "Secs Hld Walking Course1"
184 label var walksec2 "Secs Hld Walking Course2"
185 label var walkhndr1 "Hnrds Hld Walking Course1"
186 label var walkhndr2 "Hnrds Hld Walking Course2"
187 /*
  > forvalues i=1/2{
  > capture drop walk`i'
  > if `i'==1 egen walk`i'=rowmax(wa*wlkc1secs)
  > if `i'==2 egen walk`i'=rowmax(wa*wlklhndr)
  > replace walk`i'=. if inlist(walk`i', -1, -9, -7, -8)
  > }
  > rename walk1 walksec
  > rename walk2 walkhnrds
  > label var walk1 "Secs Hld Walking Course)
  > */
188
189 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb{
  2. capture drop `x'
  3. gen `x'=.
  4. replace `x'=d`x' if inlist( d`x', 0, 1, 2, 3, 4)
  5. }
  (47,778 missing values generated)
  (39,737 real changes made)
  (47,778 missing values generated)
  (39,737 real changes made)
  (47,778 missing values generated)
  (39,619 real changes made)
  (47,778 missing values generated)
  (39,619 real changes made)

190
191 label var origwksc "Original Walk Score"
192 label var nhatswksc "NHATS Walk Score"
193 label var nhatsgrav "NHATS Avg. Grip Score"
194 label var nhatsgrb "NHATS Best Grip Score"

195
196
197 local a lst10pnds trytolose
198 local b evrgowalk vigoractv

199
200 foreach x in `a' `b'{
  2. capture drop `x'_n
  3. gen `x'_n=.
  4. }
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)

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```

201
202
203 foreach x in `a'{
    2. replace `x'[_n=0] if `x'==2
    3. replace `x'[_n=1] if `x'==1
    4. drop `x'
    5. rename `x'[_n] `x'
    6. }
    (30,263 real changes made)
    (11,278 real changes made)
    (7,066 real changes made)
    (4,211 real changes made)

204
205 foreach y in `b'{
    2. replace `y'[_n=0] if `y'==2
    3. replace `y'[_n=1] if `y'==1
    4. drop `y'
    5. rename `y'[_n] `y'
    6. }
    (17,772 real changes made)
    (24,335 real changes made)
    (27,384 real changes made)
    (14,710 real changes made)

206
207
208
209 label var lst10pnds "Lost 10 Pounds in Last Yr."

210 label var trytolose "Were You Trying to Lose Weight"

211 label var evrgowalk "Ever Go Walking for Exercise"

212 label var vigoractv "Ever Vigorous Activities"

213
214
215 capture drop unwgtloss lowphysact

216 gen unwgtloss=.
    (47,778 missing values generated)

217 gen lowphysact=.
    (47,778 missing values generated)

218 replace unwgtloss=0 if lst10pnds==0 | trytolose==1
    (34,474 real changes made)

219 replace unwgtloss=1 if lst10pnds==1 & trytolose==0
    (7,066 real changes made)

220 replace lowphysact=0 if evrgowalk==1 | vigoractv==1
    (27,868 real changes made)

221 replace lowphysact=1 if evrgowalk==0 & vigoractv==0
    (14,227 real changes made)

222
223 label var unwgtloss "Unintentional Weight Loss"

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224 label var lowphysact "Low Physical Activity"

225
226 capture drop lowenergy

227 replace lowenergy=. if inlist(lowenergy, -9, -8, -7, -1)
    (5,770 real changes made, 5,770 to missing)

228 replace lowenergy=0 if lowenergy==2
    (22,075 real changes made)

229 label var lowenergy "Low Energy in Last Month"

230
231
232 ///// 3/7/18 --Adding in Well-Being questions
    > /// Inapplicable is people who have no interview, had a proxy, or died. turned
    > to missing.
    >
233 foreach j in 1 2 4 {
    2.     forvalues i=1/4 {
    3.         capture drop wbq`j'`i'
    4.         gen wbq`j'`i'=.
    5.     }
    6. }
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)

234 drop wbq44

235
236 forvalues i=1/4 {
    2. replace wbq1`i'=1 if offelche`i'==4
    3. replace wbq1`i'=2 if offelche`i'==3
    4. replace wbq1`i'=3 if offelche`i'==2
    5. replace wbq1`i'=4 if offelche`i'==1
    6. replace wbq1`i'=0 if offelche`i'==5
    7. replace wbq1`i'=5 if (offelche`i'==7 | offelche`i'==8)
    8. }
(1,135 real changes made)
(6,454 real changes made)
(19,247 real changes made)
(11,415 real changes made)
(376 real changes made)
(584 real changes made)
(11,928 real changes made)
(9,406 real changes made)
(1,729 real changes made)
(1,302 real changes made)
(14,266 real changes made)
(580 real changes made)
(2,829 real changes made)
(8,411 real changes made)
(14,695 real changes made)
(11,393 real changes made)
(1,211 real changes made)
(672 real changes made)
(18,763 real changes made)
(9,615 real changes made)
(1,193 real changes made)
(710 real changes made)
(8,342 real changes made)

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(588 real changes made)

237
238
239 label var wbq11 "Often you Feel Cheerful"

240 rename wbq11 oftcheer

241 label define oftcheer 0 "Never" 1 "Rarely (Once a Week or Less)" 2 "Some Days (
> 2-4 Days a Week)" ///
> 3 "Most Days(5-6 Days a Week)" 4 "Every Day (7 Days a Week)" 5 "RF/DK"

242 label values oftcheer oftcheer

243 label var wbq12 "Often you Feel Bored"

244 rename wbq12 oftbored

245 label values oftbored oftcheer

246 label var wbq13 "Often you Feel Full of Life"

247 rename wbq13 oftfol

248 label values oftfol oftcheer

249 label var wbq14 "Often you Feel Upset"

250 rename wbq14 oftupset

251 label values oftupset oftcheer

252
253
254
255 forvalues i=1/4 {
    2. replace wbq2`i'=1 if truestime`i'==3
    3. replace wbq2`i'=2 if truestime`i'==2
    4. replace wbq2`i'=3 if truestime`i'==1
    5. replace wbq2`i'=4 if (truestime`i'==7 | truestime`i'==8)
    6. }
(893 real changes made)
(5,980 real changes made)
(31,558 real changes made)
(780 real changes made)
(648 real changes made)
(5,649 real changes made)
(32,273 real changes made)
(641 real changes made)
(27,259 real changes made)
(6,731 real changes made)
(4,340 real changes made)
(881 real changes made)
(1,497 real changes made)
(5,502 real changes made)
(31,570 real changes made)
(642 real changes made)

256
257

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258 label var wbq21 "Life has Meaning Purpose"
259 rename wbq21 lifemean
260 label define lifemean 1 "Agree Not at All" 2 "Agree a Little" 3 "Agree A Lot"
    > 4 "RF/DK"
261 label values lifemean lifemean
262 label var wbq22 "Feels Confident"
263 rename wbq22 confident
264 label values confident lifemean
265 label var wbq23 "Gave up Improving Life"
266 rename wbq23 giveup
267 label values giveup lifemean
268 label var wbq24 "Likes Living Situation"
269 rename wbq24 livingsit
270 label values livingsit lifemean
271
272
273 forvalues i=1/3 {
    2. replace wbq4`i'=1 if agrwstmt`i'==3
    3. replace wbq4`i'=2 if agrwstmt`i'==2
    4. replace wbq4`i'=3 if agrwstmt`i'==1
    5. replace wbq4`i'=4 if (agrwstmt`i'== -7 | agrwstmt`i'== -8)
    6. }
(26,335 real changes made)
(7,963 real changes made)
(4,109 real changes made)
(804 real changes made)
(562 real changes made)
(3,679 real changes made)
(34,316 real changes made)
(654 real changes made)
(4,523 real changes made)
(13,508 real changes made)
(20,398 real changes made)
(782 real changes made)
274
275
276 label var wbq41 "Self Determination"
277 rename wbq41 selfdeter
278 label values selfdeter lifemean
279 label var wbq42 "Want-Finds Way to Do"
280 rename wbq42 findway

```

```

281 label values findway lifemean
282 label var wbq43 "Easily Adjust to Change"
283 rename wbq43 adjchg
284 label values adjchg lifemean
285
286
287 capture drop agefeel
288 egen agefeel= rowmax(ageyofeel)
289 replace agefeel=. if agefeel== -9 | agefeel== -8 | agefeel== -7 | agefeel== -1
    (10,818 real changes made, 10,818 to missing)
290 label var agefeel "Age you Feel Most Times"
291
292
293 ///// 3/2/18 --Adding in meal skippped questions; update 3/13 added in EW18
    > //missing if in NH-FQ, dead, in NH-FQ R1 & R2
294
295 local ew mealskip1 nopayhous nopayutil nopaymed
296
297 foreach x in `ew'{
    2. tab `x'
    3. replace `x'=0 if `x'==2
    4. replace `x'=1 if `x'==1
    5. replace `x'=. if inlist(`x', -9,-8,-7,-1)
    6. }

```

R2 EW16 SKIP MEALS NO   MONEY	Freq.	Percent	Cum.
-9 Missing	1,039	2.63	2.63
-8 DK	574	1.45	4.08
-7 RF	110	0.28	4.36
-1 Inapplicable	3,965	10.03	14.39
1 YES	341	0.86	15.25
2 NO	33,504	84.75	100.00
Total	39,533	100.00	

(33,504 real changes made)

(0 real changes made)

(5,688 real changes made, 5,688 to missing)

R2 EW18 NO MONEY FOR   HOUSING	Freq.	Percent	Cum.
-9 Missing	1,039	2.63	2.63
-8 DK	624	1.58	4.21
-7 RF	189	0.48	4.68
-1 Inapplicable	3,965	10.03	14.71
1 YES	744	1.88	16.60
2 NO	32,972	83.40	100.00
Total	39,533	100.00	

(32,972 real changes made)

(0 real changes made)

(5,817 real changes made, 5,817 to missing)

R2 EW18 NO MONEY FOR UTILITIES	Freq.	Percent	Cum.
-9 Missing	1,039	2.63	2.63
-8 DK	621	1.57	4.20
-7 RF	146	0.37	4.57
-1 Inapplicable	3,965	10.03	14.60
1 YES	1,214	3.07	17.67
2 NO	32,548	82.33	100.00
Total	39,533	100.00	

(32,548 real changes made)

(0 real changes made)

(5,771 real changes made, 5,771 to missing)

R2 EW18 NO MONEY FOR MEDICAL	Freq.	Percent	Cum.
-9 Missing	1,039	2.63	2.63
-8 DK	629	1.59	4.22
-7 RF	145	0.37	4.59
-1 Inapplicable	3,965	10.03	14.62
1 YES	1,247	3.15	17.77
2 NO	32,508	82.23	100.00
Total	39,533	100.00	

(32,508 real changes made)

(0 real changes made)

(5,778 real changes made, 5,778 to missing)

298

299

300 label var mealskip1 "No Money, Meals Skipped"

301 label var nopayhous "No Money for Housing"

302 label var nopayutil "No Money for Utilities"

303 label var nopaymed "No Money for Medical"

304

305 label define mealskip 0 "No" 1 "Yes"

```
306 foreach x in `ew' {
      2. label values `ew' mealskip
      3. }
```

307 rename mealskip1 mealskip

308

309 gen mealskipnum=.

(47,778 missing values generated)

310

311

```
312 replace mealskipnum=0 if mealskip2===-1 & mealskip==0
      (33,504 real changes made)
```

```
313 replace mealskipnum=1 if mealskip2==4
      (188 real changes made)
```

```

314 replace mealskipnum=2 if mealskip2==3
    (79 real changes made)

315 replace mealskipnum=3 if mealskip2==2
    (26 real changes made)

316 replace mealskipnum=4 if mealskip2==1
    (40 real changes made)

317
318
319 label var mealskipnum "How Often Meals Skipped"

320 label define mealskipnum1 0 "No" 1 "A Few Days" 2 "Several Days(less than half
    > )" ///
    > 3 "More than Half the Days" 4 " Nearly Every Day" 5 "RF/DK"

321 label values mealskipnum mealskipnum1

322
323
324 ///// 12/5/17 --Adding in Cancer
    >
325 // recode hclcancerty1 (-1 2=0) (-9 -8 =.), gen (sr_skincancer_had)
326
327 // From sensitive data, cancerty1 was from non-sensitive
328 //recode cancerty1 (-1 2=0) (-9 -8 =.), gen (sr_skincancer_had)
329 foreach x in sr_skincancer_had sr_breastcancer_had sr_prostatecancer_had sr_bl
    > addercancer_had ///
    > sr_crvovrnutrncancer_had sr_coloncancer_had sr_kidneycancer_had sr_othercancer
    > _had{
        2. gen `x'=.
        3. }
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)

330
331 replace sr_skincancer_had=cancerty1 if wave==1
    (8,245 real changes made)

332 replace sr_breastcancer_had=hclcancerty2 if wave==1
    (8,245 real changes made)

333 replace sr_prostatecancer_had=hclcancerty3 if wave==1
    (8,245 real changes made)

334 replace sr_bladdercancer_had=hclcancerty4 if wave==1
    (8,245 real changes made)

335 replace sr_crvovrnutrncancer_had=hclcancerty5 if wave==1
    (8,245 real changes made)

336 replace sr_coloncancer_had=hclcancerty6 if wave==1
    (8,245 real changes made)

```



```
337 replace sr_kidneycancer_had=hc1cancerty7 if wave==1
    (8,245 real changes made)
```

```
338 replace sr_othercancer_had=hc1cancerty8 if wave==1
    (8,245 real changes made)
```

```
339
```

```
340 forvalues w=4/$w{
    2. replace sr_skincancer_had=cancerty1 if wave==`w'
    3. replace sr_breastcancer_had=hc`w'cancerty2 if wave==`w'
    4. replace sr_prostatecancer_had=hc`w'cancerty3 if wave==`w'
    5. replace sr_bladdercancer_had=hc`w'cancerty4 if wave==`w'
    6. replace sr_crvovrnutrncancer_had=hc`w'cancerty5 if wave==`w'
    7. replace sr_coloncancer_had=hc`w'cancerty6 if wave==`w'
    8. replace sr_kidneycancer_had=hc`w'cancerty7 if wave==`w'
    9. replace sr_othercancer_had=hc`w'cancerty8 if wave==`w'
    10. }
    (4,737 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
```

```
341
```

```
342
```

```
343 foreach x in sr_skincancer_had sr_breastcancer_had sr_prostatecancer_had sr_bl
> addercancer_had ///
> sr_crvovrnutrncancer_had sr_coloncancer_had sr_kidneycancer_had sr_othercancer
> _had{
    2. replace `x'=0 if inlist(`x',-1,2)
    3. replace `x'=. if inlist(`x', -9,-8)
    4. }
    (32,498 real changes made)
    (847 real changes made, 847 to missing)
    (33,330 real changes made)
    (843 real changes made, 843 to missing)
    (33,273 real changes made)
    (843 real changes made, 843 to missing)
    (33,897 real changes made)
    (843 real changes made, 843 to missing)
    (33,822 real changes made)
    (843 real changes made, 843 to missing)
    (33,784 real changes made)
    (843 real changes made, 843 to missing)
    (33,957 real changes made)
```

```
(843 real changes made, 843 to missing)
(33,343 real changes made)
(843 real changes made, 843 to missing)
```

```
344
```

```
345 label var sr_skincancer_had "Sensitive: Skin Cancer"
```

```
346 label var sr_breastcancer_had "Sensitive: Breast Cancer"
```

```
347 label var sr_prostatecancer_had "Sensitive: Prostate Cancer"
```

```
348 label var sr_bladdercancer_had "Sensitive: Bladder Cancer"
```

```
349 label var sr_crvovrnutrncancer_had "Sensitive: Cervical/Ovarian/Uterine Cancer"
> "
```

```
350 label var sr_coloncancer_had "Sensitive: Colon Cancer"
```

```
351 label var sr_kidneycancer_had "Sensitive: Kidney Cancer"
```

```
352 label var sr_othercancer_had "Sensitive: Other Cancer"
```

```
353
```

```
354 //recoding all refuse, dk, na, as missing
```

```
355 qui destring *, replace
```

```
356 foreach x of varlist * {
      2.         replace `x'=. if inlist(`x',-1,-7,-8,-9)
      3. }
```

```
(0 real changes made)
```

```
(0 real changes made)
```

```
(2,969 real changes made, 2,969 to missing)
```

```
(42,177 real changes made, 42,177 to missing)
```

```
(42,177 real changes made, 42,177 to missing)
```

```
(42,177 real changes made, 42,177 to missing)
```

```
(42,177 real changes made, 42,177 to missing)
```

```
(42,177 real changes made, 42,177 to missing)
```

```
(42,177 real changes made, 42,177 to missing)
```

```
(42,177 real changes made, 42,177 to missing)
```

```
(0 real changes made)
```

```
(2,671 real changes made, 2,671 to missing)
```

```
(42,182 real changes made, 42,182 to missing)
```

```
(42,259 real changes made, 42,259 to missing)
```

```
(42,182 real changes made, 42,182 to missing)
```

```
(34,518 real changes made, 34,518 to missing)
```

```
(636 real changes made, 636 to missing)
```

```
(1 real change made, 1 to missing)
```

```
(5,640 real changes made, 5,640 to missing)
```

```
(12,732 real changes made, 12,732 to missing)
```

```
(5,673 real changes made, 5,673 to missing)
```

```
(5,699 real changes made, 5,699 to missing)
```

```
(5,718 real changes made, 5,718 to missing)
```

```
(5,683 real changes made, 5,683 to missing)
```

```
(5,685 real changes made, 5,685 to missing)
```

```
(5,772 real changes made, 5,772 to missing)
```

```
(5,664 real changes made, 5,664 to missing)
```

```
(5,671 real changes made, 5,671 to missing)
```

```
(5,701 real changes made, 5,701 to missing)
```

```
(5,675 real changes made, 5,675 to missing)
```

```
(5,680 real changes made, 5,680 to missing)
```

```
(30,793 real changes made, 30,793 to missing)
```

```
(15,940 real changes made, 15,940 to missing)
```

```
(5,656 real changes made, 5,656 to missing)
```

```
(5,673 real changes made, 5,673 to missing)
```

```
(5,038 real changes made, 5,038 to missing)
```

```
(5,782 real changes made, 5,782 to missing)
```

```
(37,711 real changes made, 37,711 to missing)
```

```
(5,026 real changes made, 5,026 to missing)
```

```
(15,360 real changes made, 15,360 to missing)
```

```
(14,933 real changes made, 14,933 to missing)
```

```
(5,027 real changes made, 5,027 to missing)
```

```
(16,415 real changes made, 16,415 to missing)
```

(15,921 real changes made, 15,921 to missing)  
(5,037 real changes made, 5,037 to missing)  
(12,312 real changes made, 12,312 to missing)  
(12,541 real changes made, 12,541 to missing)  
(5,031 real changes made, 5,031 to missing)  
(16,068 real changes made, 16,068 to missing)  
(15,564 real changes made, 15,564 to missing)  
(5,037 real changes made, 5,037 to missing)  
(15,144 real changes made, 15,144 to missing)  
(14,803 real changes made, 14,803 to missing)  
(5,668 real changes made, 5,668 to missing)  
(5,707 real changes made, 5,707 to missing)  
(34,745 real changes made, 34,745 to missing)  
(10,681 real changes made, 10,681 to missing)  
(33,720 real changes made, 33,720 to missing)  
(5,939 real changes made, 5,939 to missing)  
(5,860 real changes made, 5,860 to missing)  
(5,841 real changes made, 5,841 to missing)  
(5,910 real changes made, 5,910 to missing)  
(5,943 real changes made, 5,943 to missing)  
(5,957 real changes made, 5,957 to missing)  
(5,790 real changes made, 5,790 to missing)  
(37,656 real changes made, 37,656 to missing)  
(44,080 real changes made, 44,080 to missing)  
(3,888 real changes made, 3,888 to missing)  
(42,366 real changes made, 42,366 to missing)  
(35,214 real changes made, 35,214 to missing)  
(43,990 real changes made, 43,990 to missing)  
(10,788 real changes made, 10,788 to missing)  
(42,070 real changes made, 42,070 to missing)  
(4,475 real changes made, 4,475 to missing)  
(41,977 real changes made, 41,977 to missing)  
(27,637 real changes made, 27,637 to missing)  
(27,612 real changes made, 27,612 to missing)  
(47,287 real changes made, 47,287 to missing)  
(45,078 real changes made, 45,078 to missing)  
(5,629 real changes made, 5,629 to missing)  
(27,333 real changes made, 27,333 to missing)  
(5,671 real changes made, 5,671 to missing)  
(5,640 real changes made, 5,640 to missing)  
(5,640 real changes made, 5,640 to missing)  
(662 real changes made, 662 to missing)  
(14,698 real changes made, 14,698 to missing)  
(16,105 real changes made, 16,105 to missing)  
(5,640 real changes made, 5,640 to missing)  
(5,640 real changes made, 5,640 to missing)  
(5,640 real changes made, 5,640 to missing)  
(5,640 real changes made, 5,640 to missing)  
(8,193 real changes made, 8,193 to missing)  
(45,363 real changes made, 45,363 to missing)  
(5,679 real changes made, 5,679 to missing)  
(41,246 real changes made, 41,246 to missing)  
(5,691 real changes made, 5,691 to missing)  
(45,728 real changes made, 45,728 to missing)  
(45,761 real changes made, 45,761 to missing)  
(45,252 real changes made, 45,252 to missing)  
(45,257 real changes made, 45,257 to missing)  
(13,091 real changes made, 13,091 to missing)  
(30,153 real changes made, 30,153 to missing)  
(30,155 real changes made, 30,155 to missing)  
(30,166 real changes made, 30,166 to missing)  
(46,422 real changes made, 46,422 to missing)  
(5,659 real changes made, 5,659 to missing)  
(5,669 real changes made, 5,669 to missing)  
(5,998 real changes made, 5,998 to missing)  
(5,999 real changes made, 5,999 to missing)  
(5,720 real changes made, 5,720 to missing)  
(5,689 real changes made, 5,689 to missing)  
(8,659 real changes made, 8,659 to missing)  
(45,591 real changes made, 45,591 to missing)  
(46,943 real changes made, 46,943 to missing)  
(6,549 real changes made, 6,549 to missing)

(2,926 real changes made, 2,926 to missing)  
(24,788 real changes made, 24,788 to missing)  
(28,340 real changes made, 28,340 to missing)  
(32,235 real changes made, 32,235 to missing)  
(37,811 real changes made, 37,811 to missing)  
(6,538 real changes made, 6,538 to missing)  
(7,037 real changes made, 7,037 to missing)  
(7,798 real changes made, 7,798 to missing)  
(38,117 real changes made, 38,117 to missing)  
(39,653 real changes made, 39,653 to missing)  
(42,829 real changes made, 42,829 to missing)  
(44,624 real changes made, 44,624 to missing)  
(46,688 real changes made, 46,688 to missing)  
(47,020 real changes made, 47,020 to missing)  
(5,684 real changes made, 5,684 to missing)  
(5,788 real changes made, 5,788 to missing)  
(5,967 real changes made, 5,967 to missing)  
(41,938 real changes made, 41,938 to missing)  
(5,847 real changes made, 5,847 to missing)  
(6,279 real changes made, 6,279 to missing)  
(44,423 real changes made, 44,423 to missing)  
(6,030 real changes made, 6,030 to missing)  
(5,994 real changes made, 5,994 to missing)  
(6,095 real changes made, 6,095 to missing)  
(5,665 real changes made, 5,665 to missing)  
(5,669 real changes made, 5,669 to missing)  
(5,695 real changes made, 5,695 to missing)  
(24,737 real changes made, 24,737 to missing)  
(5,826 real changes made, 5,826 to missing)  
(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
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(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
(16,720 real changes made, 16,720 to missing)  
(5,674 real changes made, 5,674 to missing)  
(38,827 real changes made, 38,827 to missing)  
(5,699 real changes made, 5,699 to missing)  
(34,515 real changes made, 34,515 to missing)  
(5,679 real changes made, 5,679 to missing)  
(31,818 real changes made, 31,818 to missing)  
(0 real changes made)  
(27,883 real changes made, 27,883 to missing)  
(5,707 real changes made, 5,707 to missing)  
(32,974 real changes made, 32,974 to missing)  
(6,245 real changes made, 6,245 to missing)  
(29,629 real changes made, 29,629 to missing)  
(6,358 real changes made, 6,358 to missing)  
(32,786 real changes made, 32,786 to missing)  
(5,945 real changes made, 5,945 to missing)  
(32,319 real changes made, 32,319 to missing)  
(6,152 real changes made, 6,152 to missing)  
(21,518 real changes made, 21,518 to missing)  
(6,212 real changes made, 6,212 to missing)  
(37,102 real changes made, 37,102 to missing)  
(5,935 real changes made, 5,935 to missing)  
(34,974 real changes made, 34,974 to missing)  
(42,572 real changes made, 42,572 to missing)  
(47,625 real changes made, 47,625 to missing)  
(45,475 real changes made, 45,475 to missing)  
(45,474 real changes made, 45,474 to missing)  
(45,489 real changes made, 45,489 to missing)  
(45,476 real changes made, 45,476 to missing)  
(45,491 real changes made, 45,491 to missing)  
(45,485 real changes made, 45,485 to missing)

(45,496 real changes made, 45,496 to missing)  
(45,474 real changes made, 45,474 to missing)  
(44,885 real changes made, 44,885 to missing)  
(44,868 real changes made, 44,868 to missing)  
(44,867 real changes made, 44,867 to missing)  
(44,897 real changes made, 44,897 to missing)  
(44,851 real changes made, 44,851 to missing)  
(46,395 real changes made, 46,395 to missing)  
(46,210 real changes made, 46,210 to missing)  
(46,210 real changes made, 46,210 to missing)  
(46,210 real changes made, 46,210 to missing)  
(46,210 real changes made, 46,210 to missing)  
(46,210 real changes made, 46,210 to missing)  
(46,210 real changes made, 46,210 to missing)  
(46,210 real changes made, 46,210 to missing)  
(46,210 real changes made, 46,210 to missing)  
(8,607 real changes made, 8,607 to missing)  
(24,080 real changes made, 24,080 to missing)  
(8,600 real changes made, 8,600 to missing)  
(7,217 real changes made, 7,217 to missing)  
(7,216 real changes made, 7,216 to missing)  
(7,217 real changes made, 7,217 to missing)  
(7,215 real changes made, 7,215 to missing)  
(7,209 real changes made, 7,209 to missing)  
(7,810 real changes made, 7,810 to missing)  
(5,655 real changes made, 5,655 to missing)  
(8,303 real changes made, 8,303 to missing)  
(9,854 real changes made, 9,854 to missing)  
(12,239 real changes made, 12,239 to missing)  
(17,295 real changes made, 17,295 to missing)  
(25,333 real changes made, 25,333 to missing)  
(34,713 real changes made, 34,713 to missing)  
(42,074 real changes made, 42,074 to missing)  
(45,953 real changes made, 45,953 to missing)  
(47,380 real changes made, 47,380 to missing)  
(21,106 real changes made, 21,106 to missing)  
(6,186 real changes made, 6,186 to missing)  
(39,062 real changes made, 39,062 to missing)  
(39,235 real changes made, 39,235 to missing)  
(8,963 real changes made, 8,963 to missing)  
(41,789 real changes made, 41,789 to missing)  
(7,810 real changes made, 7,810 to missing)  
(7,810 real changes made, 7,810 to missing)  
(7,810 real changes made, 7,810 to missing)  
(7,810 real changes made, 7,810 to missing)  
(6,689 real changes made, 6,689 to missing)  
(6,688 real changes made, 6,688 to missing)  
(7,810 real changes made, 7,810 to missing)  
(7,834 real changes made, 7,834 to missing)  
(7,834 real changes made, 7,834 to missing)  
(7,834 real changes made, 7,834 to missing)  
(7,834 real changes made, 7,834 to missing)  
(7,837 real changes made, 7,837 to missing)  
(7,837 real changes made, 7,837 to missing)  
(7,837 real changes made, 7,837 to missing)  
(7,837 real changes made, 7,837 to missing)  
(8,303 real changes made, 8,303 to missing)  
(17,017 real changes made, 17,017 to missing)  
(21,278 real changes made, 21,278 to missing)  
(27,758 real changes made, 27,758 to missing)  
(35,499 real changes made, 35,499 to missing)  
(41,933 real changes made, 41,933 to missing)  
(45,566 real changes made, 45,566 to missing)  
(47,108 real changes made, 47,108 to missing)  
(47,600 real changes made, 47,600 to missing)  
(47,738 real changes made, 47,738 to missing)  
(6,283 real changes made, 6,283 to missing)  
(34,984 real changes made, 34,984 to missing)  
(39,164 real changes made, 39,164 to missing)  
(14,113 real changes made, 14,113 to missing)  
(40,745 real changes made, 40,745 to missing)

(8,445 real changes made, 8,445 to missing)  
(8,445 real changes made, 8,445 to missing)  
(8,445 real changes made, 8,445 to missing)  
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[illegible]

357

358

```
359 //how do you get to the doctor?
```

```
360 gen howgetdoc=.
```

```
(47,778 missing values generated)
```

```

361 forvalues i=1/9 {
    2. replace howgetdoc=`i' if hwtregd`i'==1
    3. }
    (24,378 real changes made)
    (13,393 real changes made)
    (550 real changes made)
    (1,187 real changes made)
    (909 real changes made)
    (412 real changes made)
    (598 real changes made)
    (773 real changes made)
    (300 real changes made)

362
363 label define howgetdoc 1 "Drove" 2 "Got a Ride" 3 "Van/Shuttle from place live
> s" ///
> 4 "Van/Shuttle for seniors & disabled" 5 "Public transit" 6 "Taxi" 7 "Walked" /
> //
> 8 "Home visit" 9 "Other" 0 "Did not See Doctor" 10 "Refused/DK"

364 label values howgetdoc howgetdoc

365
366
367 //note 11/14/17--add importance of activities
368 gen ind_imp_visit=.
    (47,778 missing values generated)

369 gen ind_imp_relig=.
    (47,778 missing values generated)

370 gen ind_imp_club=.
    (47,778 missing values generated)

371 gen ind_imp_goout=.
    (47,778 missing values generated)

372
373 replace ind_imp_visit=inlist(impvstfam,1,2)
    (47,778 real changes made)

374 replace ind_imp_relig=inlist(imprelser,1,2)
    (47,778 real changes made)

375 replace ind_imp_club=inlist(impclub,1,2)
    (47,778 real changes made)

376 replace ind_imp_goout=inlist(impouteny,1,2)
    (47,778 real changes made)

377
378 label var ind_imp_visit "Very/somewhat important to visit in person with frien
> ds/family"

379 label var ind_imp_relig "Very/somewhat important to attend religious services"

380 label var ind_imp_club "Very/somewhat important to participate in clubs, class
> es, etc."

381 label var ind_imp_goout "Very/somewhat important to go out for enjoyment"

```

```

382
383 foreach x in out insd bed {
384     2.         gen device_`x'=.
385     3.         label var device_`x' "Uses any assistive device for mobility `x'"
386     4.     }
387     (47,778 missing values generated)
388     (47,778 missing values generated)
389     (47,778 missing values generated)
390
391 label var device_out "Uses any assistive device for mobility outside"
392 label var device_ins "Uses any assistive device for mobility inside"
393 label var device_bed "Uses any assistive device to get out of bed"
394
395 foreach x in eat bath toil dres {
396     2.         gen device_`x'=.
397     3.         label var device_`x' "Uses assistive device for `x'ing"
398     4.     }
399     (47,778 missing values generated)
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```

```

399 label var device_any "Uses any assistive device for ADLs"

400
401 rename drives dtdrives //a drive flag exists in nhats

402 //making our own drive variable
403 gen drives=.
    (47,778 missing values generated)

404 replace drives=oftedrive>0 & oftedrive<5
    (47,778 real changes made)

405
406 label var drives "Drives"

407
408 gen avoids=.
    (47,778 missing values generated)

409 replace avoids=0 if oftedrive>0 & oftedrive!=5 & avoidriv1==2 & avoidriv2==2 &
    > avoidriv4==2
    (16,750 real changes made)

410
411 local avoids avoidriv1 avoidriv2 avoidriv4

412
413 foreach x of varlist `avoids' {
    2.         replace avoids=1 if `x'==1
    3.         replace `x'=. if `x'<0
    4.     }
    (9,749 real changes made)
    (0 real changes made)
    (299 real changes made)
    (0 real changes made)
    (1,192 real changes made)
    (0 real changes made)

414
415 label var avoids "Avoids driving alone/at night/in weather*"

416
417 gen miss=0

418 gen ind_transp_disadv=.
    (47,778 missing values generated)

419
420
421 replace ind_transp_disadv=0 if oftedrive==. | inlist(oftedrive,5,6)
    (19,187 real changes made)

422 local probs trkpfrvis trprrelsr trprkpfgr trprgoout

423 foreach x in `probs' {
    2. replace ind_transp_disadv=1 if `x'==1
    3. gen `x'2=`x'==1 if `x'>=0 & !missing(`x')
    4. replace `x'=`x'2
    5. drop `x'2
    6. replace miss=miss+1 if missing(`x')
    7. }
    (1,848 real changes made)
    (34,281 missing values generated)
    (11,649 real changes made)
    (34,281 real changes made)
    (1,005 real changes made)
    (34,296 missing values generated)
    (11,630 real changes made)
    (34,296 real changes made)
    (350 real changes made)
    (34,277 missing values generated)
    (11,960 real changes made)

```

```

(34,277 real changes made)
(264 real changes made)
(34,275 missing values generated)
(11,880 real changes made)
(34,275 real changes made)

424
425 replace ind_transp_disadv=0 if !miss & missing(ind_transp_disadv)
    (0 real changes made)

426 replace ind_transp_disadv=. if miss==4
    (5,653 real changes made, 5,653 to missing)

427 label var ind_transp_disadv "Any transportation disadvantage"

428 drop miss

429
430 local lab1 Walked

431 local lab2 Got ride

432 local lab3 Van or shuttle provided by place of residence

433 local lab4 Van or shuttle for seniors

434 local lab5 Public transportation

435 local lab6 Taxi

436 local lab7 Other

437 local l=1

438
439 forvalues i=1/7 {
    2. gen get_places`i'=.
    3. }
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)

440
441 replace getoppls3=0 if !missing(getoppls7) & missing(getoppls3)
    (35,030 real changes made)

442 forvalues x=1/7 {
    2.         replace get_places`x'=getoppls`x'==1
    3.         replace get_places`x'=. if (inlist(getoppls7,-1,.) | getoppls`x'==.
> )
    4.         label var get_places`x' "Get places: `lab`x'"
    5.         local l=`l'+1
    6. }
    (47,778 real changes made)
    (6,030 real changes made, 6,030 to missing)
    (47,778 real changes made)
    (6,040 real changes made, 6,040 to missing)
    (47,778 real changes made)
    (6,013 real changes made, 6,013 to missing)
    (47,778 real changes made)
    (6,030 real changes made, 6,030 to missing)
    (47,778 real changes made)
    (6,019 real changes made, 6,019 to missing)
    (47,778 real changes made)
    (6,019 real changes made, 6,019 to missing)
    (47,778 real changes made)
    (6,013 real changes made, 6,013 to missing)

```

```

443
444 //marital status-3 vars: married, married_or_partnered
445
446 gen married=maritalstat==1 if maritalstat!=. //married
    (5,661 missing values generated)

447 gen marital_sep=maritalstat==3 if !mi(maritalstat)
    (5,661 missing values generated)

448 gen marital_div=maritalstat==4 if !mi(maritalstat)
    (5,661 missing values generated)

449 gen marital_wid=maritalstat==5 if !mi(maritalstat)
    (5,661 missing values generated)

450 gen marital_nev=maritalstat==6 if !mi(maritalstat)
    (5,661 missing values generated)

451 gen marriedpartnered=married
    (5,661 missing values generated)

452 replace marriedpartnered=1 if maritalstat==2 //living with a partner
    (822 real changes made)

453 gen marital_sd=marital_sep
    (5,661 missing values generated)

454 replace marital_sd=1 if marital_div==1
    (4,699 real changes made)

455
456 label var married "Married"

457 label var marriedpartnered "Married or Live w/ Partner"

458 label var marital_sep "Separated"

459 label var marital_div "Divorced"

460 label var marital_wid "Widowed"

461 label var marital_nev "Never married"

462 notes married : hhlmartlstat

463 notes married : "_"

464 notes married : E:\nhats\nhats_code\NHATS data setup\NHATS_Setup, step-3 heade
    > r for intermediate var and step-7 for final

465
466 //lives with spouse
467 gen resspouse=.
    (47,778 missing values generated)

468 replace resspouse=livwthspo==1 if livwthspo>0
    (47,778 real changes made)

469 replace resspouse=0 if marriedpart==0
    (0 real changes made)

```



```

470
471 label var resspouse "Lives with Spouse/Partner"

472
473 //household members
474 gen hhm=.
    (47,778 missing values generated)

475 replace hhm=dhshldnum if dhshldnum>0
    (42,135 real changes made)

476
477 label var hhm "Number of household members"

478
479 //age categorical
480
481 sort spid wave

482 by spid: replace age=age[_n-1]+1 if missing(age)
    (2172 real changes made)

483 label var age "Sensitive: age"

484
485 gen agecat = .
    (47,778 missing values generated)

486 replace agecat= d2intvrage
    (45,107 real changes made)

487
488 replace agecat=. if agecat== -1
    (0 real changes made)

489 label values agecat d2intvrage

490 label var agecat "Age, 5 yr categories"

491
492 //activities past month
493
494 gen attrelig=. //attend services
    (47,778 missing values generated)

495 gen imprelig=. //importance of religious services
    (47,778 missing values generated)

496 gen visitfrfam=. //visit fr. fam.
    (47,778 missing values generated)

497 gen impvisit=. //importance of visiting friends & fam
    (47,778 missing values generated)

498 gen attclub=. //participate in club, organized activity, class, etc.
    (47,778 missing values generated)

499 gen impclub=. //importance of such activities
    (47,778 missing values generated)

```

```

500 gen vigact=vigoractv //vigorous activities
    (5,684 missing values generated)

501
502
503 replace attrelig=attrelser==1 if attrelser>0
    (47,778 real changes made)

504 replace imprelig=imprelser if imprelser>0
    (41,951 real changes made)

505 replace visitfrfam=vistfrfam==1 if vistfrfam>0
    (47,778 real changes made)

506 replace impvisit=impvstfam if impvstfam>0
    (41,966 real changes made)

507 replace attclub=clbmtgrac==1 if clbmtgrac>0
    (47,778 real changes made)

508 replace impclub=imparclub if imparclub>0
    (41,995 real changes made)

509 //replace vigact=vigoractv==1 if vigoractv>0
510
511
512 gen religvimp=imprelig==1 if imprelig!=. //very important binary
    (5,827 missing values generated)

513
514 label var attrelig "Past mo. Attend religious services"

515 label var imprelig "Importance of religious services"

516 label var religvimp "Religious services very important, yes/no"

517 label var visitfrfam "Past mo. visit friends or family"

518 label var impvisit "Importance of visiting friends/family"

519 label var attclub "Past mo. participate in clubs/classes/organized activities"

520 label var impclub "Importance of club/class/etc. participation"

521 label var vigact "Past mo. engage in vigorous activity"

522
523 label values imprelig palimprelser

524 label values impvisit palimpvstfam

525 label values impclub palimparclub

526
527 //smokin'
528 gen smokedever=.
    (47,778 missing values generated)

529 gen smoke_start_age=.
    (47,778 missing values generated)

```

```

530 gen smoke_stop_age=.
    (47,778 missing values generated)

531
532 forvalues i=1(4)5 {
    2.         replace smokedever=smokedreg==1 if wave==`i' & smokedreg>0
    3.         replace smoke_start_age=agesrtsmk if wave==`i' & agesrtsmk>0
    4.         replace smoke_stop_age=agelstsmk if wave==`i' & agelstsmk>0
    5. }
    (8,245 real changes made)
    (3,741 real changes made)
    (3,183 real changes made)
    (8,334 real changes made)
    (1,886 real changes made)
    (1,591 real changes made)

533
534 sort spid wave

535 by spid: carryforward smokedever smoke_start_age smoke_stop_age, replace
    smokedever:  (31199 real changes made)
    smoke_start_age:  (16124 real changes made)
    smoke_stop_age:  (13794 real changes made)

536 notes drop smokedever smoke_start_age smoke_stop_age
    (3 notes dropped)

537 rename smokesnow smokesnow_old

538 gen smokesnow=.
    (47,778 missing values generated)

539 //Numcigever asked differently in rounds 1,5 then in other rounds. (Do you/ Di
    > d you)
540 //Wanted to see the num. of cigs. smoked by non-smokers.
541 by spid, sort: egen numcigsever=max(numcigday) if inlist(wave,1,5) & smokesnow
    > _old==2
    (41599 missing values generated)

542 by spid: carryforward numcigsever if smokesnow_old==2, replace
    numcigsever:  (10823 real changes made)

543 gen numcigsnow=.
    (47,778 missing values generated)

544
545 replace smokesnow=smokesnow_old==1 if smokesnow_old>0
    (47,778 real changes made)

546 replace numcigsnow=numcigday if smokesnow==1
    (2,786 real changes made)

547
548 replace smokedever=1 if smokesnow==1
    (512 real changes made)

549 replace smokesnow=0 if smokedever==0
    (0 real changes made)

550 replace numcigsnow=0 if smokesnow==0
    (44,965 real changes made)

```

```

551
552 label var smokedever "Ever smoked"

553 label var smokesnow "Smokes now"

554 label var numcigsever "Max number of cigarettes/day when smoked for current no
    > n-smokers"

555 label var numcigsnow "Number of cigarettes/day currently"

556 label var smoke_start_age "Age started smoking"

557 label var smoke_stop_age "Age stopped smoking"

558
559 //pain
560 gen ind_pain=.
    (47,778 missing values generated)

561 replace ind_pain=painb==1 if inrange(painb,0,2)
    (42,083 real changes made)

562 label var ind_pain "Bothered by pain"

563
564 //weight
565
566 gen wgt_curr=.
    (47,778 missing values generated)

567 gen height_ft=.
    (47,778 missing values generated)

568 gen height_in=.
    (47,778 missing values generated)

569
570 replace wgt_curr=currweigh if currweigh>0
    (41,141 real changes made)

571 replace height_ft=howtallft if howtallft>0
    (41,490 real changes made)

572 replace height_in=howtallin if howtallin>0
    (37,373 real changes made)

573
574 label var wgt_curr "Current weight, lbs."

575 label var height_ft "Current height, feet"

576 label var height_in "Current height, inches"

577
578 gen bmi=(wgt_curr/((height_ft*12+height_in)^2))*703
    (11,007 missing values generated)

579
580 label var bmi "Current BMI"

```

```

581
582 //get the per round weight, cluster, and strata vars (and why is moved created
> like that?)
583 //gen moved=.
584 rename varunit varunit
    (all newnames==oldnames)

585 rename varstrat varstrat
    (all newnames==oldnames)

586 rename anfinwgt0 anfinwgt

587
588 /*
> forvalues i=2/7 {
>     replace moved=w`i'__moved if wave==`i'
>     foreach x in anfinwgt varstrat varunit {
>         replace `x'=w`i'`x' if wave==`i'
>     }
> drop w`i'__moved w`i'anfinwgt0 w`i'varstrat w`i'varunit
> }
> */
589 label var moved "Moved since last ivw"

590
591 *****
592 /*these are taken from Rebecca's code*/
593
594 gen community_dwelling = 0

595 gen SP_completed = 0

596 forvalues w=1/$w {
    2. replace community_dwelling=1 if inlist(dresid,1,2) & wave==`w'
    3. replace SP_completed=1 if (inlist(dresid,1,2) & wave==1) | (inlist(dresid,1
> ,2,4) & wave==`w')
    4. }
(7,609 real changes made)
(8,077 real changes made)
(5,992 real changes made)
(6,056 real changes made)
(4,803 real changes made)
(4,884 real changes made)
(3,941 real changes made)
(4,037 real changes made)
(7,499 real changes made)
(7,576 real changes made)
(6,309 real changes made)
(6,410 real changes made)
(5,454 real changes made)
(5,566 real changes made)

597
598 gen nhres=dresid==4 if dresid!=. & wave==1
    (39,533 missing values generated)

599 gen rcfres=inlist(dresid,2,3) if dresid!=. & wave==1
    (39,533 missing values generated)

600 gen res_care=dresid>1 if dresid!=. & wave==1
    (39,533 missing values generated)

```

```

601 gen sp_status=1
602 gen deceased=0
603 gen prob_dem=dem_3_cat==1 if !missing(dem_3_cat)
    (5,660 missing values generated)
604 label var prob_dem "Indicator probable dementia"
605
606 forvalues w=2/7 {
    2. replace nhres=inlist(dresid,4,5,8) if wave==`w'
    3. replace res_care=inlist(dresid,2,3,4,5,7,8) if wave==`w'
    4. replace rcfres=inlist(dresid,2,3,7) if wave==`w'
    5. replace deceased=inlist(r`w'status,62,86) if wave>=`w'
    6. }
    (7,075 real changes made)
    (7,075 real changes made)
    (7,075 real changes made)
    (503 real changes made)
    (5,799 real changes made)
    (5,799 real changes made)
    (5,799 real changes made)
    (523 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (404 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (8,334 real changes made)
    (296 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (7,276 real changes made)
    (486 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
    (6,312 real changes made)
    (459 real changes made)

607
608 note nhres : r*dresid
609 notes nhres : Resid=4,5,8
610 notes nhres : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7 header
611
612
613 replace sp_status=2 if res_care==1
    (5,953 real changes made)

614 replace sp_status=3 if nhres==1
    (2,532 real changes made)

615 replace sp_status=4 if deceased==1
    (2,671 real changes made)

616 label var sp_status "Residential status"

```

```

617 label var nhres "Nursing Home Resident"
618 label var rcfres "Residential Care, excl. NH"
619 label var res_care "Residential Care, incl. NH"
620 label define sp_status 1 "Non-res care community" 2 "Res-care not NH" 3 "NH re
    > sident" ///
    > 4 "Deceased"
621 label values sp_status sp_status
622
623 //these ADL variables were missing previously
624 gen adl_ins_help = .
    (47,778 missing values generated)
625 gen adl_ins_diff=.
    (47,778 missing values generated)
626 gen adl_ins_not_done=.
    (47,778 missing values generated)
627
628 replace adl_ins_help=1 if insdhlp==1
    (5,334 real changes made)
629 replace adl_ins_help=0 if insdhlp==2
    (38,745 real changes made)
630 replace adl_ins_help=0 if insdhlp==-1 & sp_ivw==1
    (0 real changes made)
631 replace adl_ins_help=-7 if insdhlp==-7
    (0 real changes made)
632 replace adl_ins_help=-8 if insdhlp==-8
    (0 real changes made)
633 replace adl_ins_diff=0 if insddif==1
    (33,656 real changes made)
634 replace adl_ins_diff=1 if insddif>1
    (14,122 real changes made)
635 replace adl_ins_diff=0 if insddif==-1 & sp_ivw==1
    (0 real changes made)
636 replace adl_ins_diff=-7 if insddif==-7
    (0 real changes made)
637 replace adl_ins_diff=-8 if insddif==-8
    (0 real changes made)
638 replace adl_ins_not_done=inlist(dinsdsfdf,1,8)
    (47,778 real changes made)
639
640
641 *replace adl_ins_dif=1 if adl_ins_help==1

```

```

642 label var adl_ins_help "Received help getting around inside"
643 notes adl_ins_help : mo*insdhlp
644 notes adl_ins_help : " "
645 notes adl_ins_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
    > header

646
647
648 gen adl_bed_help = .
    (47,778 missing values generated)

649 gen adl_bed_diff=.
    (47,778 missing values generated)

650 gen adl_bed_not_done=.
    (47,778 missing values generated)

651
652 replace adl_bed_help=1 if bedhlp==1
    (4,585 real changes made)

653 replace adl_bed_help=0 if bedhlp==2
    (39,793 real changes made)

654 replace adl_bed_help=0 if bedhlp==-1 & sp_ivw==1
    (0 real changes made)

655 replace adl_bed_help=-7 if bedhlp==-7
    (0 real changes made)

656 replace adl_bed_help=-8 if bedhlp==-8
    (0 real changes made)

657 replace adl_bed_diff=0 if beddif==1
    (32,871 real changes made)

658 replace adl_bed_diff=1 if beddif>1
    (14,907 real changes made)

659 replace adl_bed_diff=0 if beddif==-1 & sp_ivw==1
    (0 real changes made)

660 replace adl_bed_diff=-7 if beddif==-7
    (0 real changes made)

661 replace adl_bed_diff=-8 if beddif==-8
    (0 real changes made)

662 replace adl_bed_not_done=inlist(dbedsfdf,1,8)
    (47,778 real changes made)

663
664 label var adl_bed_help "Received help getting out of bed"

665 *replace adl_bed_diff=1 if adl_bed_help==1
666 notes adl_bed_help : mo*bedhlp

```



```

667 notes adl_bed_help : "_"
668 notes adl_bed_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
    > header

669
670
671 //construct date of ivw--use 1st of month for all, because only have mo & yr
672
673 merge 1:1 spid wave using `resttrack', keep(match) nogen

      Result                                # of obs.
      -----                                -
      not matched                                0
      matched                                47,778
      -----

674 gen ivw_day=spstatdtdy

675 label define ivw_day 1 "Not provided"

676 label values ivw_day ivw_day

677 gen ivw_month=.
    (47,778 missing values generated)

678 gen ivw_year=.
    (47,778 missing values generated)

679 forvalues w=1/$w {
    2.         replace ivw_month=r`w'spstatdtdtmt if wave==`w'
    3.         replace ivw_month=r`w'fqstatdtdtmt if wave==`w' & r`w'spstatdtdtmt==.
    4.         replace ivw_year=r`w'spstatdtdtyr if wave==`w'
    5.         replace ivw_year=201`w' if wave==`w' & r`w'spstatdtdtyr==.
    6.     }
    (7,609 real changes made)
    (636 real changes made)
    (7,609 real changes made)
    (636 real changes made)
    (6,559 real changes made)
    (516 real changes made)
    (6,559 real changes made)
    (516 real changes made)
    (5,407 real changes made)
    (392 real changes made)
    (5,407 real changes made)
    (392 real changes made)
    (4,441 real changes made)
    (296 real changes made)
    (4,441 real changes made)
    (296 real changes made)
    (7,872 real changes made)
    (462 real changes made)
    (7,872 real changes made)
    (462 real changes made)
    (6,896 real changes made)
    (380 real changes made)
    (6,896 real changes made)
    (380 real changes made)
    (6,025 real changes made)
    (287 real changes made)
    (6,025 real changes made)
    (287 real changes made)

```

```

680
681 replace ivw_month=r1fqstatdtmt if wave==1 & ivw_month==.
    (0 real changes made)

682 replace ivw_year=r1fqstatdty if wave==1 & ivw_year==.
    (0 real changes made)

683
684
685 gen ivw_date=mdy(ivw_month,ivw_day,ivw_year)
    (2,971 missing values generated)

686 format ivw_date %td

687 label var ivw_date "Interview date from restricted tracker"

688
689 gen ivw_date_sens=mdy(ivw_month,1,ivw_year)

690 format ivw_date_sens %td

691 label var ivw_date "Interview date, day of month set to one"

692
693 /// Changes to Dressing and Eating
    > /*These changes were made because the help variables were not capturing everyo
    > ne
    > who may have been impaired for the ADL*/
694 //changes made 5/20/18
695
696         replace adl_dres_help=1 if dresoft==5
    (418 real changes made)

697         replace adl_eat_help=1 if eatdev==7
    (153 real changes made)

698         replace adl_ins_help=1 if ntlvrmslp==1
    (353 real changes made)

699
700
701 gen adl_index=0

702 foreach i in eat bath toil dres bed ins {
    2. replace adl_index=adl_index+adl_`i'_help if adl_`i'_help>0
    3. }
    (7,395 real changes made, 3,067 to missing)
    (7,116 real changes made, 30 to missing)
    (3,590 real changes made, 110 to missing)
    (8,078 real changes made, 21 to missing)
    (4,823 real changes made, 365 to missing)
    (5,526 real changes made, 21 to missing)

703 *gen adl_index=adl_eat_help+adl_bath_help+adl_toil_help+adl_dres_help+adl_ins_
    > help+adl_bed_help
704 replace adl_index=. if adl_index<0
    (0 real changes made)

705 gen adl_independent=adl_index==0 if adl_index!=.
    (3,614 missing values generated)

```

```

706 gen adl_impair=adl_index>0 if adl_index!=.
    (3,614 missing values generated)

707 gen iadl_index=iadl_laun_help+iadl_shop_help+iadl_bank_help+iadl_meal_help+iad
    > 1_meds_help
    (5,848 missing values generated)

708 replace iadl_index=. if iadl_index<0
    (0 real changes made)

709 gen iadl_independent=iadl_index==0 if iadl_index!=.
    (5,848 missing values generated)

710 gen iadl_impair=iadl_index>0 if iadl_index!=.
    (5,848 missing values generated)

711 foreach x in adl iadl {
2.     egen `x'_diff_index=rowtotal(`x'*diff)
3.     gen `x'_diff_ind=`x'_diff_index>=1 if !missing(`x'_diff_index)
4. }

712 label var adl_independent "Independent in ADLs"

713 label var adl_impair "Help with 1+ ADL"

714 label var adl_index "Index of help w/ ADLs"

715
716 foreach x in independent impair index {
2.     notes adl_`x' : sc*eathlp sc*bathhlp sc*toilhlp sc*dreshlp
3.     notes adl_`x' : " "
4.     notes adl_`x' : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, s
> tep-7 header
5. }

717
718
719 label var iadl_independent "Independent in IADLs"

720 label var iadl_impair "Help with 1+ IADL"

721 label var iadl_index "Index of help w/ IADLs"

722
723 //addition of variables from Eric's homebound code
724 gen meals_wheels=.
    (47,778 missing values generated)

725 gen noone_talk=.
    (47,778 missing values generated)

726 gen restrnt_takeout=.
    (47,778 missing values generated)

727
728
729 replace meals_wheels=dmealwhl
    (601 real changes made)

730 replace noone_talk=noonetalk
    (2,415 real changes made)

```

```

731 replace restrnt_takeout=dmealtkot
    (3,619 real changes made)

732 foreach x in meals_wheels noone_talk restrnt_takeout {
    2. replace `x'=0 if `x'==.
    3. }
    (47,177 real changes made)
    (45,363 real changes made)
    (44,159 real changes made)

733
734
735 label var meals_wheels "Meals on wheels"

736 label var noone_talk "SP has no one to talk to"

737 label var restrnt_takeout "Received help with restaurant/takeout"

738 //pull in date of death, constructed from claims and nhats
739 merge m:1 spid using "E:\nhats\data\20180625 NHATS CMS Data\death_date.dta", n
    > ogen

        Result                                     # of obs.
        -----
        not matched                                0
        matched                                    47,778
        -----

740
741 gen died_12=mofd(death_date)-mofd(ivw_date)<=12

742 gen died_24=mofd(death_date)-mofd(ivw_date)<=24

743 //note-the following has been superseded by the death date using claims
744 /*
    >
    > //use status to get death
    > gen died_12=.
    > gen died_24=.
    > forvalues i=1/3 {
    > replace died_12=inlist(r`='i'+1'status,62,86) if wave==`i' & r`='i'+1'status!=
    > 79
    > }
    > forvalues i=1/2 {
    > replace died_24=inlist(r`='i'+2'status,62,86) if wave==`i' & !inlist(r`='i'+2'
    > status,79,.)
    > }
    > replace died_24=1 if died_12==1
    >
    > foreach i in 12 24 {
    > label var died_`i' "SP died w/in `i' months, per future wave status"
    > }*/

745
746 //update 8/2/17--pulled in nhats dod to share off server
747
748 //look at death month & year. don't have, so set date to last of month
749 gen dd=.
    (47,778 missing values generated)

750 replace pd2yrdied=pd2yrdied+2010 if pd2yrdied>0
    (998 real changes made)

```

```

751 gen nhats_death_day=.
    (47,778 missing values generated)

752 forvalues w=2/$w {
    2.         foreach j in mth yr {
    3.             replace pd`w'`j'died=. if pd`w'`j'<0
    4.         }
    5.         replace nhats_death_day=31 if inlist(pd`w'm,1,3,5,7,8,10,12)
    6.         replace nhats_death_day=30 if inlist(pd`w'm,4,6,9,11)
    7.         replace nhats_death_day=28 if inlist(pd`w'm,2)
    8.         replace dd=mdy(pd`w'mthdied,nhats_death_day,pd`w'yrdied) if pd`w'yr
> died>0 & pd`w'yrdied!=.
    9.     }
    (0 real changes made)
    (0 real changes made)
    (532 real changes made)
    (348 real changes made)
    (94 real changes made)
    (974 real changes made)
    (0 real changes made)
    (0 real changes made)
    (888 real changes made)
    (486 real changes made)
    (129 real changes made)
    (1,503 real changes made)
    (0 real changes made)
    (0 real changes made)
    (1,020 real changes made)
    (484 real changes made)
    (84 real changes made)
    (1,580 real changes made)
    (0 real changes made)
    (0 real changes made)
    (880 real changes made)
    (430 real changes made)
    (140 real changes made)
    (1,450 real changes made)
    (0 real changes made)
    (0 real changes made)
    (1,204 real changes made)
    (670 real changes made)
    (156 real changes made)
    (2,024 real changes made)
    (0 real changes made)
    (0 real changes made)
    (1,498 real changes made)
    (677 real changes made)
    (238 real changes made)
    (2,399 real changes made)

753
754 by spid, sort: egen nhats_death_date=max(dd)
    (37848 missing values generated)

755 label var nhats_death_date "Sensitive: SP death date, from NHATS (day imputed)
> "

756 format nhats_death_date %td

757 gen nhats_death_month=month(nhats_death_date)
    (37,848 missing values generated)

```

```

758 gen nhats_death_year=year(nhats_death_date)
    (37,848 missing values generated)

759 foreach x in month year {
    2. label var nhats_death_`x' "Sensitive: SP death `x', from NHATS"
    3. }

760
761 drop dd

762
763
764 gen eligible_nsoc=flldnsoc==1

765 gen completed_nsoc=flldnsoccomp>0 if flldnsoccomp!=.
    (37,686 missing values generated)

766 gen total_caregiver_comp=flldnsoccomp if flldnsoccomp>0 & flldnsoccomp!=.
    (41,834 missing values generated)

767 gen total_caregiver_elig=flldnsoccnt if flldnsoccnt>0 & flldnsoccnt!=.
    (37,686 missing values generated)

768 label var eligible "Sensitive: Eligible for NSOC interview, wave 1 tracker"

769 label var complete "Sensitive: Completed Interview"

770 label var total_caregiver_comp "Sensitive: Total Caregivers that Completed Int
    > ertatus

771
772 //adverse consequences of unmet need
773
774 gen adverse=0

775 forvalues w=1/$w {
    2. foreach x of varlist launwout shopwout mealwout bankwout eatwout ba
    > thwout toilwout dreswout {
    3. replace adverse=1 if `x'==1 & wave==`w'
    4. }
    5. }
    (71 real changes made)
    (94 real changes made)
    (105 real changes made)
    (45 real changes made)
    (8 real changes made)
    (124 real changes made)
    (267 real changes made)
    (40 real changes made)
    (57 real changes made)
    (78 real changes made)
    (91 real changes made)
    (35 real changes made)
    (9 real changes made)
    (74 real changes made)
    (228 real changes made)
    (36 real changes made)
    (35 real changes made)
    (71 real changes made)
    (62 real changes made)
    (21 real changes made)
    (2 real changes made)
    (76 real changes made)
    (205 real changes made)
    (17 real changes made)
    (20 real changes made)
    (56 real changes made)
    (60 real changes made)
    (29 real changes made)
    (7 real changes made)
    (63 real changes made)
    (192 real changes made)

```

```

(16 real changes made)
(49 real changes made)
(110 real changes made)
(129 real changes made)
(54 real changes made)
(21 real changes made)
(112 real changes made)
(264 real changes made)
(33 real changes made)
(41 real changes made)
(102 real changes made)
(99 real changes made)
(42 real changes made)
(9 real changes made)
(114 real changes made)
(280 real changes made)
(30 real changes made)
(40 real changes made)
(70 real changes made)
(90 real changes made)
(38 real changes made)
(9 real changes made)
(92 real changes made)
(220 real changes made)
(30 real changes made)

```

```
776 label var adverse "Any adverse consequence of unmet need (excluding mobility)
```

```
777
```

```
778 local ha laun shop meal bank
```

```
779 local sc eat bath toil dres
```

```
780 local mo out insd bed
```

```
781
```

```
782 forvalues w=1/7{
    2.     foreach x in `ha'{
    3.         capture gen adverse_`x'=0
    4.         replace adverse_`x'=1 if `x'wout==1 & wave==`w'
    5.     }

```

```
783 }
```

```

    6. }
(71 real changes made)
(116 real changes made)
(153 real changes made)
(76 real changes made)
(57 real changes made)
(95 real changes made)
(129 real changes made)
(59 real changes made)
(35 real changes made)
(84 real changes made)
(95 real changes made)
(36 real changes made)
(20 real changes made)
(63 real changes made)
(80 real changes made)
(42 real changes made)
(49 real changes made)
(127 real changes made)
(176 real changes made)
(93 real changes made)
(41 real changes made)
(112 real changes made)
(133 real changes made)
(65 real changes made)
(40 real changes made)
(84 real changes made)
(122 real changes made)
(52 real changes made)

```

784

```

785 forvalues w=1/$w{
      2.      foreach x in `sc'{
      3.          capture gen adverse_`x'=0
      4.          replace adverse_`x'=1 if `x'wout==1 & wave==`w'
      5.      }
      6. }
(21 real changes made)
(176 real changes made)
(369 real changes made)
(122 real changes made)
(19 real changes made)
(109 real changes made)
(298 real changes made)
(94 real changes made)
(6 real changes made)
(104 real changes made)
(273 real changes made)
(59 real changes made)
(7 real changes made)
(94 real changes made)
(241 real changes made)
(63 real changes made)
(34 real changes made)
(163 real changes made)
(383 real changes made)
(126 real changes made)
(17 real changes made)
(160 real changes made)
(360 real changes made)
(111 real changes made)
(14 real changes made)
(128 real changes made)
(290 real changes made)
(97 real changes made)

```

786

```

787 forvalues w=1/$w {
      2.      foreach x in `mo'{
      3.          capture gen adverse_`x'=0
      4.          replace adverse_`x'=1 if `x'wout==1 & wave==`w'
      5.      }
      6. }
(507 real changes made)
(464 real changes made)
(205 real changes made)
(342 real changes made)
(375 real changes made)
(142 real changes made)
(285 real changes made)
(301 real changes made)
(139 real changes made)
(247 real changes made)
(232 real changes made)
(88 real changes made)
(468 real changes made)
(430 real changes made)
(165 real changes made)
(417 real changes made)
(366 real changes made)
(161 real changes made)
(371 real changes made)
(329 real changes made)
(137 real changes made)

```



```

788
789 label var adverse_laun "Ever go w/o clean laundry"
790 label var adverse_shop "Ever go w/o groceries/personal items"
791 label var adverse_meal "Ever go w/o hot meal"
792 label var adverse_bank "Ever go w/o handling bills and banking matters"
793 label var adverse_eat "Ever go w/o eating"
794 label var adverse_bath "Ever go w/o showering/bath/washup"
795 label var adverse_toil "Ever go w/o using toilet"
796 label var adverse_dres "Ever go w/o getting dressed"
797 label var adverse_out "Ever go w/o going outside; stayed inside"
798 label var adverse_insd "Ever go w/o moving inside b/c unmet need"
799 label var adverse_bed "Ever go w/o leaving bed"

800
801 //limited favorite activity
802 capture drop lim_fav

803 gen lim_fav=.
    (47,778 missing values generated)

804
805 forvalues w=1/5 {
    2.         replace lim_fav=helmfvact==1 if helmfvact>=0 & wave==`w'
    3. }
    (8,245 real changes made)
    (7,075 real changes made)
    (5,799 real changes made)
    (4,737 real changes made)
    (8,334 real changes made)

806 label var lim_fav "Last month ever kept from favorite activity by health/funct
    > ion"

807
808
809 capture drop lim_fav_yr

810 ////NEW limited favorite activity
    > gen lim_fav_yr=.
    (47,778 missing values generated)

811 forvalues w=6/7 {
    2.         replace lim_fav_yr=fvactlimyr==1 if fvactlimyr>=0 & wave==`w'
    3. }
    (7,276 real changes made)
    (6,312 real changes made)

812
813 label var lim_fav_yr "Last year ever kept from favorite activity by health/fun
    > ction"

```

```

814
815
816 //social cohesion
817 gen cohesion_knowwell=.
      (47,778 missing values generated)

818 gen cohesion_willnghlp=.
      (47,778 missing values generated)

819 gen cohesion_peoptrstd=.
      (47,778 missing values generated)

820
821 forvalues w=1/$w {
      2.         foreach x in knowwell willnghlp peoptrstd {
      3.             replace cohesion_`x'=`x' if !missing(`x') & wave==`w'
      4.         }
      5.     }
      (7,464 real changes made)
      (7,392 real changes made)
      (7,267 real changes made)
      (5,941 real changes made)
      (5,871 real changes made)
      (5,768 real changes made)
      (4,751 real changes made)
      (4,707 real changes made)
      (4,605 real changes made)
      (3,946 real changes made)
      (3,900 real changes made)
      (3,815 real changes made)
      (7,401 real changes made)
      (7,303 real changes made)
      (7,158 real changes made)
      (6,273 real changes made)
      (6,182 real changes made)
      (6,090 real changes made)
      (5,464 real changes made)
      (5,386 real changes made)
      (5,277 real changes made)

822 rename cohesion_willnghlp cohesion_willing

823 rename cohesion_peoptrstd cohesion_peop

824
825 gen cohesion=(cohesion_p+cohesion_k+cohesion_w==3) ///
      > if !missing(cohesion_k) | !missing(cohesion_w) | !missing(cohesion_p)
      (5,935 missing values generated)

826
827 label var cohesion_knowwell "People know each other well in the community"

828 label var cohesion_w "People are willing to help each other in the community"

829 label var cohesion_p "People can be trusted in the community"

830 label define cohesion_1 "Agree a lot" 2 "Agree a little" 3 "Do not agree"

831 label values cohesion_* cohesion_

```

832 label var cohesion "High community cohesion (Highest on all 3 statements)"

833

834 gen home\_disorder\_insd=.  
(47,778 missing values generated)

835 gen home\_disorder\_outsd=.  
(47,778 missing values generated)

836 gen home\_disorder\_area=.  
(47,778 missing values generated)

837 gen home\_disorder\_clutter=.  
(47,778 missing values generated)

838

839 foreach x of varlist condhome\* {  
  2. replace `x'=. if `x'==7  
  3. replace `x'=0 if `x'==2  
  4. }  
(786 real changes made, 786 to missing)  
(40,243 real changes made)  
(1,169 real changes made, 1,169 to missing)  
(39,552 real changes made)  
(938 real changes made, 938 to missing)  
(39,448 real changes made)  
(7,921 real changes made, 7,921 to missing)  
(33,473 real changes made)  
(802 real changes made, 802 to missing)  
(34,426 real changes made)  
(1,015 real changes made, 1,015 to missing)  
(21,538 real changes made)

840 foreach x of varlist areacond\* {  
  2. replace `x'=. if `x'==5  
  3. replace `x'=0 if `x'==1  
  4. replace `x'=`x'>1 if !missing(`x')  
  5. }  
(713 real changes made, 713 to missing)  
(37,881 real changes made)  
(3,816 real changes made)  
(705 real changes made, 705 to missing)  
(40,610 real changes made)  
(1,095 real changes made)  
(772 real changes made, 772 to missing)  
(39,033 real changes made)  
(2,605 real changes made)  
(0 real changes made)  
(7,353 real changes made)  
(245 real changes made)

841 foreach x of varlist clutter\* {  
  2. replace `x'=. if `x'==4  
  3. replace `x'=0 if `x'==1  
  4. replace `x'=`x'>1 if !missing(`x')  
  5. }  
(0 real changes made)  
(28,564 real changes made)  
(10,337 real changes made)  
(5,167 real changes made, 5,167 to missing)  
(25,760 real changes made)  
(7,974 real changes made)

```

842 foreach x of varlist condihom* {
    2. replace `x'=`x'==1 if !missing(`x')
    3. }
(37,536 real changes made)
(38,085 real changes made)
(38,037 real changes made)
(37,226 real changes made)
(35,119 real changes made)

843 /*
> //forvalues w=1/$w{
>     foreach x of varlist condihom* condhome* areacond* clutter* {
>         replace `x'=. if & wave==`w'
>         qui sum `x'
>         if r(max)==2 replace `x'=`x'==1 if !missing(`x') & wave==`w'
>         if inlist(r(max),3,4) replace `x'=`x'>1 if !missing(`x') & wav
>     e==`w'
> }
> */
844     egen insd=rowtotal(condihom*), m
(8877 missing values generated)

845     egen outsd=rowtotal(condhome*), m
(6069 missing values generated)

846     egen area=rowtotal(areacond*), m
(6056 missing values generated)

847     egen clutter=rowtotal(clutter*), m
(8877 missing values generated)

848
849
850     foreach x in insd outsd area clutter {
    2.         replace home_disorder_`x'=`x'>=1 if !missing(`x')
    3.         drop `x'
    4. }
(38,901 real changes made)
(41,709 real changes made)
(41,722 real changes made)
(38,901 real changes made)

851
852
853 label var home_disorder_insd "Disorder in home (peelng paint, pests, brkn furn
> iture or floorbrds, trippng hazards)"
note: label truncated to 80 characters

854 label var home_disorder_outsd "Disorder outside (brkn windows, foundation, bri
> cks/siding, roof, steps)"

855 label var home_disorder_clutter "Disorder in home (clutter in interview or oth
> er rooms)"

856 label var home_disorder_area "Disorder in immed area (litter/glass/graffiti/va
> cant houses/stores/foreclosures)"

857
858 //rename finhlpfam finhlpfam_old
859 //rename fingftfam fingftfam_old

```

[illegible]

```

871 gen fingftfam_n= fingftfam==1 if !missing(finhlpfam)
    (7,087 missing values generated)

872 replace govtasst=progneed1==1 | progneed2==1 | progneed3==1 if !missing(progne
    > ed1) ///
    > | !missing(progneed2) | !missing(progneed3)
    (40,842 real changes made)

873
874
875 replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !missing(medbi
    > llsovertime) | !missing(medcreditdebt)
    (0 real changes made)

876
877 label var creditdebt "Has credit card debt or does not pay off in full monthly
    > "

878 label var medpaynotcash "Has medical credit card debt or pays bills over time"

879 label var govtasst "Receives foodstamps or other food or gas/energy assistance
    > "

880
881 drop finhlpfam fingftfam

882 rename finhlpfam_n finhlpfam

883 rename fingftfam_n fingftfam

884 //home ownership
885
886 local homevars ownhome rent mortgagepaidoff paysmortgage /*mortpaymt*/ ///
    > timeinmort owedonmort homevalue_n rentpaid section8

887
888 foreach x of local homevars {
    2.         gen `x'=.
    3. }
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)

889
890 label var ownhome "SP owns home"

891 label var rent "SP rents"

892 label var mortgagepaidoff "Mortgage is paid off"

893 label var mortpaymt "Mortgage payment"

894 label define mortpaymt 1 "<$250" 2 "$250-499" 3 "$500-999" 4 "$1000+"

```

```

895 label values mortpaymt mortpaymt
896 label var timeinmort "Time left in mortgage"
897 label define timeinmort 1 "5 years" 2 "10 years" 3 "Longer than 10 years"
898 label values timeinmort timeinmort
899 label var owedonmort "Amount left on mortgage"
900 label define owedonmort 1 "<$50,000" 2 "$50,000-99,999.99" 3 "$100,000+"
901 label values owedonmort owedonmort
902 label var homevalue "Home value"
903 label define homevalue_n 1 "<$50K" 2 "50-75K" 3 "75-100K" 4 "100-200K" 5 "200-
> 300K" ///
> 6 "300-500K" 7 "500-750K" 8 "$750K+"
904 label values homevalue_n homevalue_n
905
906 forvalues w=1/$w {
    2. tab ownrentot
    3. replace ownhome=ownrentot==1 if wave==`w' & (!missing(ownrento) | res_care=
> =1)
    4. replace rent=ownrentot==2 if wave==`w' & (!missing(ownrento) | res_care==1)
    5. tab mrtpadoff
    6. replace mortgagepaidoff=mrtpadoff==1 if !missing(mrtpadoff)
    7. replace paysmortgage=mrtpadoff==2 if !missing(mrtpadoff)
    8. tab mortpaymt
    9. replace mortpaymt= mortpaymt if wave==`w'
    10. qui replace mortpaymt=1 if wave==`w' & mthlymort<250
    11. qui replace mortpaymt=2 if wave==`w' & mthlymort>=250 & mthlymort<=499
    12. qui replace mortpaymt=3 if wave==`w' & mthlymort>=500 & mthlymort<1000
    13. qui replace mortpaymt=4 if wave==`w' & mthlymort>=1000 & !missing(mthlymort
> )
    14. tab whnpayoff
    15. replace timeinmort=whnpayoff if wave==`w'
    16. tab amoutowed
    17. replace owedonmort=amoutowed if wave==`w'
    18. qui replace owedonmort=1 if wave==`w' & amtstlowe<50000
    19. qui replace owedonmort=2 if wave==`w' & amtstlowe>=50000 & amtstlowe<=100000
> 0
    20. qui replace owedonmort=3 if wave==`w' & amtstlowe>=100000 & !missing(amtstl
> owe)
    21. tab homvalamt
    22. replace homevalue_n= homvalamt if wave==`w'
    23. qui replace homevalue_n=1 if wave==`w' & homevalue<50000 & homevalue>=0
    24. qui replace homevalue_n=2 if wave==`w' & homevalue>=50000 & homevalue<75000
    25. qui replace homevalue_n=3 if wave==`w' & homevalue>=75000 & homevalue<10000
> 0
    26. qui replace homevalue_n=4 if wave==`w' & homevalue>=100000 & homevalue<2000
> 00
    27. qui replace homevalue_n=5 if wave==`w' & homevalue>=200000 & homevalue<3000
> 00
    28. qui replace homevalue_n=6 if wave==`w' & homevalue>=300000 & homevalue<5000
> 00
    29. qui replace homevalue_n=7 if wave==`w' & homevalue>=500000 & homevalue<7500
> 00
    30. qui replace homevalue_n=8 if wave==`w' & homevalue>=750000 & !missing(homev
> alue)
    31.

```

907 tab rentamou

```

32. replace rentpaid =rentamou if wave==`w'
33. qui replace rentpaid=1 if wave==`w' & rentamt<250 & rentamt>=0
34. qui replace rentpaid=2 if wave==`w' & rentamt>=250 & rentamt<=499
35. qui replace rentpaid=3 if wave==`w' & rentamt>=500 & rentamt<1000
36. qui replace rentpaid=4 if wave==`w' & rentamt>=1000 & !missing(rentamt)
37. qui replace rentpaid=4 if inlist(rentpaid,5,6)
38. replace mortpaymt=4 if inlist(mortpaymt,5,6)
39. tab sec8pubsn
40. replace section8=sec8pubsn==1 if wave==`w' & (!missing(sec8pubsn) |ownhome=
> =1 | rent==1)
41. }

```

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(8,130 real changes made)

(8,130 real changes made)

R1 HP2 MORTGAGE PAID OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(28,433 real changes made)

(28,433 real changes made)

Mortgage payment	Freq.	Percent	Cum.
<\$250	19	5.60	5.60
\$250-499	76	22.42	28.02
\$500-999	125	36.87	64.90
\$1000+	111	32.74	97.64
5	3	0.88	98.53
6	5	1.47	100.00
Total	339	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,365 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(115 real changes made)



R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(496 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(20 real changes made)  
(8 real changes made)

R1 HP7 HME SEC 8 PUBL SENOR HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(6,492 real changes made)

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(6,538 real changes made)  
(6,538 real changes made)

R1 HP2 MORTGAGE PAID OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

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

Mortgage payment	Freq.	Percent	Cum.
<\$250	79	4.90	4.90
\$250-499	316	19.60	24.50
\$500-999	624	38.71	63.21
\$1000+	593	36.79	100.00
Total	1,612	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,088 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(132 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(403 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(18 real changes made)  
(0 real changes made)

R1 HP7 HME SEC 8 PUBL SENOR HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(5,130 real changes made)

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(5,176 real changes made)  
(5,176 real changes made)

R1 HP2 MORTGAGE PAID   OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)

(0 real changes made)

Mortgage   payment	Freq.	Percent	Cum.
<\$250	124	4.72	4.72
\$250-499	500	19.03	23.74
\$500-999	1,036	39.42	63.17
\$1000+	968	36.83	100.00
Total	2,628	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY   OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(862 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(89 real changes made)

R1 HP4A HOME VALUE   AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(354 real changes made)

R1 HP6A RENT   AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(16 real changes made)

(0 real changes made)

R1 HP7 HME SEC			
8 PUBL SENOR			
HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(4,035 real changes made)

R1 HP1 OWN RENT OR OTHER			
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(4,207 real changes made)

(4,207 real changes made)

R1 HP2 MORTGAGE PAID			
OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)

(0 real changes made)

Mortgage			
payment	Freq.	Percent	Cum.
<\$250	165	4.78	4.78
\$250-499	660	19.14	23.92
\$500-999	1,351	39.17	63.09
\$1000+	1,273	36.91	100.00
Total	3,449	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY			
OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(668 real changes made)

R1 HP3D THE AMOUNT OWED IS			
	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(68 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(278 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

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

R1 HP7 HME SEC 8 PUBL SENOR HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(3,258 real changes made)

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(7,818 real changes made)  
(7,818 real changes made)

R1 HP2 MORTGAGE PAID OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

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

Mortgage payment	Freq.	Percent	Cum.
<\$250	191	4.69	4.69
\$250-499	786	19.30	23.99
\$500-999	1,584	38.89	62.88
\$1000+	1,512	37.12	100.00
Total	4,073	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,453 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(191 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(509 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(87 real changes made)  
(0 real changes made)

R1 HP7 HME SEC 8 PUBL SENOR HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(6,829 real changes made)

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(6,719 real changes made)  
(6,719 real changes made)

R1 HP2 MORTGAGE PAID   OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)

(0 real changes made)

Mortgage   payment	Freq.	Percent	Cum.
<\$250	254	4.69	4.69
\$250-499	990	18.27	22.95
\$500-999	2,133	39.35	62.31
\$1000+	2,043	37.69	100.00
Total	5,420	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY   OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,208 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(121 real changes made)

R1 HP4A HOME VALUE   AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(376 real changes made)

R1 HP6A RENT   AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(79 real changes made)

(0 real changes made)

R1 HP7 HME SEC			
8 PUBL SENOR			
HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(5,895 real changes made)

R1 HP1 OWN RENT OR OTHER			
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(5,807 real changes made)

(5,807 real changes made)

R1 HP2 MORTGAGE PAID			
OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)

(0 real changes made)

Mortgage			
payment	Freq.	Percent	Cum.
<\$250	304	4.63	4.63
\$250-499	1,169	17.79	22.41
\$500-999	2,583	39.30	61.72
\$1000+	2,516	38.28	100.00
Total	6,572	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY			
OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,009 real changes made)

R1 HP3D THE AMOUNT OWED IS			
	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(114 real changes made)



R1 HP4A HOME VALUE	AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,		397	14.55	14.55
2 \$50,000-\$74,999,		449	16.46	31.01
3 \$75,000-\$99,999,		447	16.39	47.40
4 \$100,000-\$199,999,		697	25.55	72.95
5 \$200,000-\$299,999,		328	12.02	84.97
6 \$300,000-\$499,999,		239	8.76	93.73
7 \$500,000-\$749,999, or		99	3.63	97.36
8 \$750,000 or more?		72	2.64	100.00
Total		2,728	100.00	

(312 real changes made)

R1 HP6A RENT	AMOUNT	Freq.	Percent	Cum.
1 less than \$250,		26	8.31	8.31
2 \$250-\$499,		76	24.28	32.59
3 \$500-\$999, or		81	25.88	58.47
4 \$1,000 or more?		68	21.73	80.19
5		37	11.82	92.01
6		25	7.99	100.00
Total		313	100.00	

(82 real changes made)  
(0 real changes made)

R1 HP7 HME SEC	HOUS	Freq.	Percent	Cum.
8 PUBL SENOR				
1 YES		1,933	42.61	42.61
2 NO		2,604	57.39	100.00
Total		4,537	100.00	

(5,093 real changes made)

908

909 drop homevalue

910 rename homevalue\_n homevalue

911

912 label var rentpaid "Amount rent paid"

913 label define rentpaid 1 "&lt;\$250" 2 "250-499" 3 "500-999" 4 "\$1000+"

914 label values rentpaid rentpaid

915 label var section8 "Indicator lives in Section 8 housing"

916 label var medcreditdebt "Has Medical credit card debt"

917 label var medbillsovertime "Pays Medical bills over time"

918 label var finhlpfam "Received financial help/gifts from family"

919 label var fingftfam "Provided financial help/gifts to family"

```

920 label var paysmortgage "Pays a mortgage"

921 gen n_social_network=.
    (47,778 missing values generated)

922
923 replace n_social_network=dnumsn if dnumsn>=0
    (39,585 real changes made)

924
925 label var n_social_network "Number in social network"

926
927 gen division=.
    (47,778 missing values generated)

928
929 replace division=dcensdiv if dcensdiv>0
    (47,777 real changes made)

930
931 gen region=division
    (1 missing value generated)

932 recode region (1 2=1) (3 4=2) (5/7=3) (8 9=4)
    (region: 45410 changes made)

933
934 la define region 1 "Northeast" 2 "Midwest" 3 "South" 4 "West"

935 label values region region

936
937 capture gen northeast=0

938 capture gen midwest=0

939 capture gen south=0

940 capture gen west=0

941
942 replace northeast=1 if region==1
    (8,357 real changes made)

943 replace midwest=1 if region==2
    (11,588 real changes made)

944 replace south=1 if region==3
    (18,751 real changes made)

945 replace west=1 if region==4
    (9,081 real changes made)

946
947 /*and now drop all raw variables
> forvalues i=1/7 {
>     drop r`i'* ip`i'* is`i'* re`i'* hc`i'* ht`i'* hh`i'* ss`i'* fl`i'* ///
>         pc`i'* cp`i'* cg`i'* mo`i'* ha`i'* sc`i'* mc`i'* pa`i'* sd`i'* hw`i'*
>     ///
>         cm`i'* sn`i'* hp`i'* ew`i'* ir`i'* dt`i'* wb`i'* wa`i'* gr`i'* ho`i'*
>     cs`i'*
> }
>
> drop ell1* rll1* ia1* ep2* pd2* pd3* pd4* pd5* pd6* pd7* ia3* ia5* ia7*
> */

```

```

948 //rename round*status r*status
949
950 svyset varunit [pw=anfinwgt], strat(varstrat)
      pweight: anfinwgt
      VCE: linearized
Single unit: missing
Strata 1: varstrat
SU 1: varunit
FPC 1: <zero>

951
952 sort spid wave

953 by spid: carryforward educ*, replace
education: (0 real changes made)
educ_hs_ind: (32766 real changes made)

954 label var educ_hs_ind "Education: HS+"

955 notes drop educ*
(3 notes dropped)

956
957 //10/25/18--add in payer and other variables from Jenny's homebound project
958 preserve

959 /*local mo outoft outcane outwalkr outwlchr outsctr outhlp outslf outdif outyr
> go ///
> outwout oftgoarea oflvlepr insdcane insdwalkr insdwlchr insdsctr oftholdwl //
> /
> insdhlp insdself insddif insdyrgo insdwout beddev bedhlp bedslf beddif bedwout
>
> local sc eatdevoft eathlp eatoft eatdif eatwout showrbat1 showrbat2 showrbat3
> ///
> prfrshbth scusgrbrs shtubseat bathhlp bathoft bathdif bathyrgo bathwout ///
> usvartoi1 usvartoi2 usvartoi3 usvartoi4 toilhlp toiloft toildif toilwout ///
> dresoft dresdev dreshlp dresyrgo dreswout
>
> local ha laun launself whrmachi1 whrmachi2 whrmachi3 whrmachi4 whrmachi5 ///
> whrmachi6 laundif launoft launwout shop shopslf howpaygr1 howpaygr2 howpaygr3
> ///
> howpaygr4 howpaygr5 howpaygr6 howpaygr7 howgtstr1 howgtstr2 howgtstr3 howgtst
> r4 ///
> howgtstr5 howgtstr6 howgtstr7 howgtstr8 shopcart shoplean shopdif shopoft sho
> pwout ///
> meal mealslf restamels oftmicrow mealdif mealoft mealwout bank bankslf bankdi
> f ///
> bankoft bankwout money moneyhlp
>
> local mc meds medstrk medsslf whrgtmed1 whrgtmed2 whrgtmed3 whrgtmed4 howpkupm
> 1 ///
> howpkupm2 howpkupm3 medsrem medsdif medsyrgo medsmis havregdoc regdoclyr hwgtr
> egd1 ///
> hwgtregd2 hwgtregd3 hwgtregd4 hwgtregd5 hwgtregd6 hwgtregd7 hwgtregd8 hwgtreg
> d9 ///
> ansitindr tpersevr1 tpersevr2 tpersevr3 tpersevr4 chginspln anhlpwdec
> */
960 //note--as of now, doesn't include round 7
961 forvalues wave=1/7 {
2. use "E:\nhats\data\NHATS Public\round_`wave'\NHATS_Round_`wave'_SP_File.dta
> ", clear
3. keep spid cs`wave'dnumchild ho`wave'entrst hh`wave'dhshldnum mo* sc* ha* mc
> *
4. gen wave=`wave'
5. rename cs`wave' n_children
6. label var n_ch "Number of living children"
7. rename ho`wave' stairs_ind
8. label var stairs "Stairs to enter home"
9. gen livesalone_ind=hh`wave'dhshldnum==1 if hh`wave'dhshldnum>=0
10. label var livesal "Lives alone (only one in household)"
11. foreach x in n sta live {

```

```

12. replace `x'=. if `x'<0
13. }
14.
962 local kidvars n_children stairs ind livesalone ind
15. gen ind_kids=n_children>=1 if !missing(n_children)
16. rename (mo`wave'* sc`wave'* ha`wave'* mc`wave'*) (* * * *)
17. rename (eatselfdif toiloft bathoft) (eatdif toilself bathself)
18.
963 foreach x in eat toil insd bed dres bath {
19.     gen `x'_jenny=inlist(`x'slf,3,4) | inlist(`x'dif,3,4) | `x'wout==1
20. }
21. egen adlcount=rowtotal(eat_j toil_j insd_j bed_j dres_j bath_j)
22.
964 //for iadls, reason don't do alone b/c health/function or reported difficulty
> or went w/o
965 gen medswout=0
23. foreach x in laun meds shop meal bank {
24.     drop `x'
25.     gen `x'_jenny=inlist(d`x'reas,1,3) | inlist(`x'dif,3,4) | `x'wout==
> 1
26. }
27. drop medswout
28. egen iadlcount=rowtotal(laun_j meds_j shop_j meal_j bank_j)
29. label var eat_j "Some/lot difficulty eating by self, or rarely/never, or ha
> d to go w/o"
30. label var toil_j "Some/lot difficulty toileting by self, or rarely/never, o
> r had to go w/o"
31. label var insd_j "Some/lot difficulty moving inside by self, or rarely/neve
> r, or had to go w/o"
32. label var bed_j "Some/lot difficulty getting out of bed by self, or rarely/
> never, or had to go w/o"
33. label var dres_j "Some/lot difficulty dressing by self, or rarely/never, or
> had to go w/o"
34. label var bath_j "Some/lot difficulty bathing by self, or rarely/never, or
> had to go w/o"
35. label var laun_j "Some/lot of difficulty with laundry by self, or not by se
> lf b/c health, or had to go w/o"
36. label var meds_j "Some/lot of difficulty with meds by self, or not by self
> b/c health, or had to go w/o"
37. label var shop_j "Some/lot of difficulty with shopping by self, or not by s
> elf b/c health, or had to go w/o"
38. label var meal_j "Some/lot of difficulty with hot meals by self, or not by
> self b/c health, or had to go w/o"
39. label var bank_j "Some/lot of difficulty with banking by self, or not by se
> lf b/c health, or had to go w/o"
40.
966 gen device_mobility=inlist(insdwalk,1,2) | inlist(outwalk,1,2) | inlist(insdwl
> ,1,2) ///
> | inlist(outwl,1,2) | inlist(insdsct,1,2) | inlist(outsct,1,2)
41.
967 label var device_mobility "Uses a walker, wheelchair, or scooter inside or out
> side"
42.
968 keep spid wave *_jenny device_mobility `kidvars' ind_kids adlcount iadlcount
43.
969 tempfile kids`wave'
44. save `kids`wave''
45.
970 use "E:\nhats\data\NHATS Public\round_`wave'\NHATS_Round_`wave'_OP_File.dta",
> clear
46. describe op`wave'*pay*
47. tab op`wave'*payshlp
48. tab op`wave'*progmpaid
49.

```

```

971 rename op`wave`sppays op`wave`sppayhlp
    50. foreach x in sp gov ins oth {
    51. gen paid_by_`x`=op`wave`x`payhlp==1 if op`wave`x`payhlp>0 | op`wave`x`pa
> yhlp<-1
    52. local lab : var label op`wave`x`payhlp
    53. label var paid_by_`x` "`lab'"
    54. }
    55. gen paid_by_unk=(paid_by_sp+paid_by_oth+paid_by_gov+paid_by_ins)==0 | ///
> ((paid_by_sp+paid_by_oth+paid_by_gov+paid_by_ins)==-4 & op`wave`paid==1)
    56. label var paid_by_unk "Unknown payer"
    57.

972
973 levelsof op`wave`progmpaid, local(levels)
    58. foreach l of local levels {
    59. if `l`>0 {
    60. gen paid_by_gov_cat_`l`=op`wave`progmpaid==`l` if op`wave`progmpaid!=-1
    61. local lab : label op`wave`progmpaid `l`
    62. label var paid_by_gov_cat_`l` "`lab'"
    63. }
    64. }
    65. gen paid_by_gov_cat_unknown=op`wave`progmpaid<-1 if op`wave`progmpaid!=-1
    66. label var paid_by_gov_cat_unk "Unknown gov't payer (Missing,RF,DK)"
    67. gen op_insur_help=op`wave`insurhlp==1
    68. gen op_out_help=op`wave`outhlp==1
    69. gen op_money_help=op`wave`moneyhlp==1
    70. gen op_places_help=op`wave`tkplhlp1==1 | op`wave`tkplhlp2==1
    71. label var op_insur_help "Help with insurance decisions"
    72. keep spid opid paid* op_*
    73. tempfile paid
    74. save `paid'
    75. gen wave=`wave'
    76. merge 1:m spid opid wave using "E:\nhats\data\NHATS Cleaned\op_round_1_7",
> ///
> keep(match master) gen(opmer)
    77. merge 1:1 spid opid using `paid', keep(match master) gen(paidm)
    78. foreach x of varlist paid_by* {
    79. replace `x`=0 if paid==0
    80. }
    81. drop if n_helpers>=1 & opishelp==0
    82.

974 foreach x in sp gov ins unk oth {
    83. by spid, sort: egen any_paid_by_`x`=max(paid_by_`x`)
    84. local lab :var label paid_by_`x`
    85. label var any_paid_by_`x` "`lab'"
    86. }
    87. rename paid_by_gov_cat_91 paid_by_gov_cat_oth
    88. foreach x of varlist paid_by_gov_cat* {
    89. by spid, sort: egen any_`x`=max(`x`)
    90. local lab :var label `x`
    91. label var any_`x` "`lab'"
    92. }
    93.

975
976 by spid: egen any_paid_by_medicare=max(paid_by_gov_cat_2)
    94. label var any_paid_by_medicare "Helper paid by Medicare"
    95. by spid: egen any_paid_by_medicaid=max(paid_by_gov_cat_1)
    96. label var any_paid_by_medicaid "Helper paid by Medicaid"
    97. by spid: egen any_paid_by_state=max(paid_by_gov_cat_3)
    98. label var any_paid_by_state "Helper paid by state program"
    99. gen ind_gt20hrs_wk_inf=tot_hrswk_help_i>20 if !missing(tot_hrswk_help_i)
100. replace ind_gt20hrs_wk_inf=0 if tot_hrswk_help_i-tot_hrswk_paid_i<20
101. gen ind_gt20hrs_wk_paid=tot_hrswk_paid_i>20 if !missing(tot_hrswk_paid_i)
102. label var ind_gt20hrs_wk_i "Unpaid help: >20 hrs wk"
103. label var ind_gt20hrs_wk_p "Paid help: >20 hrs wk"
104. gen ind_inf=n_helpers>=1 if !missing(n_helpers)
105. replace ind_inf=0 if n_paid==n_helpers
106. label var ind_inf "Any family/unpaid help"
107. local pvars ind_inf ind_gt20hrs_wk_inf ind_paid ind_gt20hrs_wk_paid ///
> any_paid_by_sp any_paid_by_gov ///
> any_paid_by_medicaid any_paid_by_medicare any_paid_by_state
108. replace any_paid_by_unk=1 if (any_paid_by_sp+any_paid_by_ins+any_paid_by_ot
> h ///

```

```

> +any_paid_by_gov==0) & ind_paid==1
109. local paidvars any_paid_by_sp any_paid_by_gov any_paid_by_ins any_paid_by_o
> th ///
> any_paid_by_unk any_paid_by_medicaid any_paid_by_medicare ///
> any_paid_by_gov_cat_oth any_paid_by_gov_cat_unknown any_paid_by_unk
110. keep spid any_paid* ind_gt* wave
111.
977 duplicates drop
112. tempfile paid`wave'
113. save `paid`wave''
114.
978 use "E:\nhats\data\NHATS Cleaned\op_round_1_7" if wave==`wave' & opishelp==1,
> clear
115. tokenize spouse daughter son otherfamily paid otherinformal
116. drop spouse daughter son paid
117. forvalues i=1/6 {
118.     gen `i'`=op_relat==`i'
119.     by spid: egen `i'`_help_ind=max(`i'`)
120.     label var `i'`_help "Has `i'` helper"
121.     gen `i'`hrs=op_hrswk i if `i'`==1
122.     by spid: egen tot_`i'`hrs=total(`i'`hrs) if `i'`_help_ind==1
123.     label var tot_`i'`hrs "Hours of help/week from `i'` sources"
124.     local ihelp `ihelp' `i'`_help_ind
125.     local chelp `chelp' tot_`i'`hrs
126. }
127. label var otherfamily_he "Has other family helper"
128. label var otherinformal "Has non-family unpaid helper"
129. label var tot_otherf "Hours of help/week from other family sources"
130. label var tot_otheri "Hours of help/week from other unpaid sources"
131. keep spid `chelp' `ihelp' wave
132. duplicates drop
133.
979 tempfile hours`wave'
134. save `hours`wave''
135. }
(636 missing values generated)
(636 real changes made, 636 to missing)
(641 real changes made, 641 to missing)
(0 real changes made)
(636 missing values generated)
note: label truncated to 80 characters
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note: label truncated to 80 characters
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_000004.tmp saved

```

variable name	storage type	display format	value label	variable label
oplsppayshlp	double	%12.0g	oplsppayshlp	R1 HL6 SP PAYS FOR HELP
oplgovpayhlp	double	%12.0g	oplgovpayhlp	R1 HL6 GOVT PAYS FOR HELP
oplinspayhlp	double	%12.0g	oplinspayhlp	R1 HL6 INSUR PAYS FOR HELP
oplothpayhlp	double	%12.0g	oplothpayhlp	R1 HL6 OTHER PAYS FOR HELP
oplpayunit	double	%12.0g	oplpayunit	R1 HL7 PAYMENT UNIT
oplhourlypay	double	%12.0g	oplhourlypay	R1 HL7A HOURLY AMOUNT PAID
oplweeklypay	double	%12.0g	oplweeklypay	R1 HL7B WEEKLY AMOUNT PAID

R1 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-8 DK	20	0.05	0.05
-7 RF	4	0.01	0.06
-1 Inapplicable	37,055	97.26	97.33
1 Yes	587	1.54	98.87
2 No	431	1.13	100.00
Total	38,097	100.00	

R1 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	42	0.11	0.11
-7 RF	1	0.00	0.11
-1 INAPPLICABLE	37,809	99.24	99.36
1 MEDICAID	67	0.18	99.53
2 MEDICARE	58	0.15	99.69
3 STATE PROGRAM	90	0.24	99.92
91 OTHER (SPECIFY)	30	0.08	100.00
Total	38,097	100.00	

(37,055 missing values generated)  
(37,055 missing values generated)  
(37,055 missing values generated)  
(37,055 missing values generated)  
-8 -7 -1 1 2 3 91

(37,809 missing values generated)  
(37,809 missing values generated)  
(37,809 missing values generated)  
(37,809 missing values generated)  
(37,809 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_000005.tmp saved

Result	# of obs.	
not matched	0	
matched	38,097	(opmer==3)

Result	# of obs.	
not matched	0	
matched	38,097	(paidm==3)

(37,164 real changes made)  
(37,112 real changes made)  
(37,057 real changes made)  
(37,068 real changes made)  
(2 real changes made)  
(37,192 real changes made)  
(37,182 real changes made)  
(37,214 real changes made)  
(37,185 real changes made)  
(37,189 real changes made)  
(21,762 observations deleted)  
(109 missing values generated)  
(109 missing values generated)  
(109 missing values generated)  
(109 missing values generated)  
(109 missing values generated)  
(109 missing values generated)  
(109 missing values generated)  
(373 real changes made)  
(130 real changes made)  
(0 real changes made)

Duplicates in terms of all variables

(8,757 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_000006.tmp saved  
 (8,244 missing values generated)  
 (6385 missing values generated)  
 (8,639 missing values generated)  
 (5798 missing values generated)  
 (9,864 missing values generated)  
 (7699 missing values generated)  
 (10,109 missing values generated)  
 (8526 missing values generated)  
 (10,738 missing values generated)  
 (9568 missing values generated)  
 (10,391 missing values generated)  
 (9140 missing values generated)

Duplicates in terms of all variables

(5,162 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_000007.tmp saved  
 (1,019 missing values generated)  
 (1,019 real changes made, 1,019 to missing)  
 (1,021 real changes made, 1,021 to missing)  
 (0 real changes made)  
 (1,019 missing values generated)  
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 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_000008.tmp saved

variable name	storage type	display format	value label	variable label
op2sppayshlp	double	%12.0g	op2sppayshlp	R2 HL6 SP PAYS FOR HELP
op2govpayhlp	double	%12.0g	op2govpayhlp	R2 HL6 GOVT PAYS FOR HELP
op2inspayhlp	double	%12.0g	op2inspayhlp	R2 HL6 INSUR PAYS FOR HELP
op2othpayhlp	double	%12.0g	op2othpayhlp	R2 HL6 OTHER PAYS FOR HELP
op2payunit	double	%12.0g	op2payunit	R2 HL7 PAYMENT UNIT
op2hourlypay	double	%12.0g	op2hourlypay	R2 HL7A HOURLY AMOUNT PAID
op2weeklypay	double	%12.0g	op2weeklypay	R2 HL7B WEEKLY AMOUNT PAID

R2 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-1 Inapplicable	36,915	97.29	97.29
1 YES	600	1.58	98.87
2 NO	429	1.13	100.00
Total	37,944	100.00	

R2 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	46	0.12	0.12
-7 RF	2	0.01	0.13
-1 Inapplicable	37,675	99.29	99.42
1 MEDICAID	70	0.18	99.60
2 MEDICARE	47	0.12	99.73
3 STATE PROGRAM	85	0.22	99.95
91 OTHER (SPECIFY)	19	0.05	100.00
Total	37,944	100.00	

(36,915 missing values generated)



```

(36,915 missing values generated)
(36,915 missing values generated)
(36,915 missing values generated)
-8 -7 -1 1 2 3 91
(37,675 missing values generated)
(37,675 missing values generated)
(37,675 missing values generated)
(37,675 missing values generated)
(37,675 missing values generated)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_000009.tmp saved

```

Result	# of obs.	
not matched	0	
matched	37,944	(opmer==3)

Result	# of obs.	
not matched	0	
matched	37,944	(paidm==3)

```

(36,995 real changes made)
(36,915 real changes made)
(36,874 real changes made)
(36,888 real changes made)
(0 real changes made)
(37,017 real changes made)
(37,012 real changes made)
(37,030 real changes made)
(37,011 real changes made)
(37,012 real changes made)
(21,526 observations deleted)
(3 missing values generated)
(3 missing values generated)
(3 missing values generated)
(3 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(497 real changes made)
(113 real changes made)
(74 real changes made)

```

Duplicates in terms of all variables

```

(9,808 observations deleted)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_00000a.tmp saved
(7,266 missing values generated)
(5744 missing values generated)
(7,377 missing values generated)
(4927 missing values generated)
(8,361 missing values generated)
(6489 missing values generated)
(8,490 missing values generated)
(7048 missing values generated)
(8,930 missing values generated)
(7702 missing values generated)
(8,696 missing values generated)
(7550 missing values generated)

```

Duplicates in terms of all variables

(4,597 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000b.tmp saved  
 (915 missing values generated)  
 (915 real changes made, 915 to missing)  
 (922 real changes made, 922 to missing)  
 (0 real changes made)  
 (915 missing values generated)  
 note: label truncated to 80 characters  
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 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000c.tmp saved

variable name	storage type	display format	value label	variable label
op3sppayshlp	double	%12.0g	op3sppayshlp	R3 HL6 SP PAYS FOR HELP
op3govpayhlp	double	%12.0g	op3govpayhlp	R3 HL6 GOVT PAYS FOR HELP
op3inspayhlp	double	%12.0g	op3inspayhlp	R3 HL6 INSUR PAYS FOR HELP
op3othpayhlp	double	%12.0g	op3othpayhlp	R3 HL6 OTHER PAYS FOR HELP
op3payunit	double	%12.0g	op3payunit	R3 HL7 PAYMENT UNIT
op3hourlypay	double	%12.0g	op3hourlypay	R3 HL7A HOURLY AMOUNT PAID
op3weeklypay	double	%12.0g	op3weeklypay	R3 HL7B WEEKLY AMOUNT PAID

R3 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-8 DK	1	0.00	0.00
-1 Inapplicable	34,805	97.37	97.37
1 YES	531	1.49	98.86
2 NO	408	1.14	100.00
Total	35,745	100.00	

R3 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	43	0.12	0.12
-1 Inapplicable	35,494	99.30	99.42
1 MEDICAID	73	0.20	99.62
2 MEDICARE	50	0.14	99.76
3 STATE PROGRAM	63	0.18	99.94
91 OTHER (SPECIFY)	22	0.06	100.00
Total	35,745	100.00	

(34,805 missing values generated)  
 (34,805 missing values generated)  
 (34,805 missing values generated)  
 (34,805 missing values generated)  
 -8 -1 1 2 3 91  
 (35,494 missing values generated)  
 (35,494 missing values generated)  
 (35,494 missing values generated)  
 (35,494 missing values generated)  
 (35,494 missing values generated)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000d.tmp saved

Result	# of obs.
not matched	0
matched	35,745 (opmer==3)

Result	# of obs.	
not matched	0	
matched	35,745	(paidm==3)

(35,097 real changes made)  
 (34,994 real changes made)  
 (34,847 real changes made)  
 (34,827 real changes made)  
 (13 real changes made)  
 (35,240 real changes made)  
 (35,217 real changes made)  
 (35,225 real changes made)  
 (35,193 real changes made)  
 (35,213 real changes made)  
 (20,603 observations deleted)  
 (36 missing values generated)  
 (36 missing values generated)  
 (36 missing values generated)  
 (36 missing values generated)  
 (36 missing values generated)  
 (36 missing values generated)  
 (36 missing values generated)  
 (123 real changes made)  
 (37 real changes made)  
 (41 real changes made)

Duplicates in terms of all variables

(9,660 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000e.tmp saved  
 (6,368 missing values generated)  
 (4923 missing values generated)  
 (6,321 missing values generated)  
 (4065 missing values generated)  
 (7,198 missing values generated)  
 (5553 missing values generated)  
 (7,194 missing values generated)  
 (5831 missing values generated)  
 (8,044 missing values generated)  
 (7413 missing values generated)  
 (6,940 missing values generated)  
 (5373 missing values generated)

Duplicates in terms of all variables

(4,172 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000f.tmp saved  
 (700 missing values generated)  
 (700 real changes made, 700 to missing)  
 (705 real changes made, 705 to missing)  
 (0 real changes made)  
 (700 missing values generated)  
 note: label truncated to 80 characters  
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 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000g.tmp saved

variable name	storage type	display format	value label	variable label
op4sppayshlp	double	%12.0g	op4sppayshlp	R4 HL6 SP PAYS FOR HELP
op4govpayhlp	double	%12.0g	op4govpayhlp	R4 HL6 GOVT PAYS FOR HELP
op4inspayhlp	double	%12.0g	op4inspayhlp	R4 HL6 INSUR PAYS FOR HELP
op4othpayhlp	double	%12.0g	op4othpayhlp	R4 HL6 OTHER PAYS FOR HELP
op4payunit	double	%12.0g	op4payunit	R4 HL7 PAYMENT UNIT
op4hourlypay	double	%12.0g	op4hourlypay	R4 HL7A HOURLY AMOUNT PAID
op4weeklypay	double	%12.0g	op4weeklypay	R4 HL7B WEEKLY AMOUNT PAID

R4 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-8 DK	30	0.09	0.09
-7 RF	1	0.00	0.09
-1 Inapplicable	32,108	97.25	97.34
1 YES	522	1.58	98.92
2 NO	355	1.08	100.00
Total	33,016	100.00	

R4 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	37	0.11	0.11
-1 Inapplicable	32,817	99.40	99.51
1 MEDICAID	51	0.15	99.66
2 MEDICARE	26	0.08	99.74
3 STATE PROGRAM	58	0.18	99.92
91 OTHER (SPECIFY)	27	0.08	100.00
Total	33,016	100.00	

(32,108 missing values generated)  
(32,108 missing values generated)  
(32,108 missing values generated)  
(32,108 missing values generated)

-8 -1 1 2 3 91

(32,817 missing values generated)  
(32,817 missing values generated)  
(32,817 missing values generated)  
(32,817 missing values generated)  
(32,817 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000h.tmp saved

Result	# of obs.
not matched	0
matched	33,016 (opmer==3)

Result	# of obs.
not matched	0
matched	33,016 (paidm==3)

(32,382 real changes made)  
(32,257 real changes made)  
(32,155 real changes made)  
(32,137 real changes made)  
(18 real changes made)  
(32,506 real changes made)  
(32,474 real changes made)  
(32,506 real changes made)  
(32,478 real changes made)

(32,490 real changes made)  
 (19,721 observations deleted)  
 (44 missing values generated)  
 (44 missing values generated)  
 (44 missing values generated)  
 (44 missing values generated)  
 (44 missing values generated)  
 (44 missing values generated)  
 (44 missing values generated)  
 (44 missing values generated)  
 (123 real changes made)  
 (49 real changes made)  
 (0 real changes made)

Duplicates in terms of all variables

(8,769 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000i.tmp saved  
 (5,439 missing values generated)  
 (4235 missing values generated)  
 (5,309 missing values generated)  
 (3388 missing values generated)  
 (6,065 missing values generated)  
 (4646 missing values generated)  
 (6,126 missing values generated)  
 (5020 missing values generated)  
 (6,679 missing values generated)  
 (6046 missing values generated)  
 (5,807 missing values generated)  
 (4425 missing values generated)

Duplicates in terms of all variables

(3,547 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000j.tmp saved  
 (758 missing values generated)  
 (758 real changes made, 758 to missing)  
 (765 real changes made, 765 to missing)  
 (0 real changes made)  
 (758 missing values generated)  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000k.tmp saved

variable name	storage type	display format	value label	variable label
op5sppayshlp	double	%12.0g	op5sppayshlp	R5 HL6 SP PAYS FOR HELP
op5govpayhlp	double	%12.0g	op5govpayhlp	R5 HL6 GOVT PAYS FOR HELP
op5inspayhlp	double	%12.0g	op5inspayhlp	R5 HL6 INSUR PAYS FOR HELP
op5othpayhlp	double	%12.0g	op5othpayhlp	R5 HL6 OTHER PAYS FOR HELP
op5payunit	double	%12.0g	op5payunit	R5 HL7 PAYMENT UNIT
op5hourlypay	double	%12.0g	op5hourlypay	R5 HL7A HOURLY AMOUNT PAID
op5weeklypay	double	%12.0g	op5weeklypay	R5 HL7B WEEKLY AMOUNT PAID

R5 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-8 DK	346	0.66	0.66
-7 RF	66	0.13	0.79
-1 Inapplicable	50,772	97.11	97.89
1 YES	764	1.46	99.36
2 NO	337	0.64	100.00
Total	52,285	100.00	

R5 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	62	0.12	0.12
-7 RF	1	0.00	0.12
-1 Inapplicable	51,957	99.37	99.49
1 MEDICAID	91	0.17	99.67
2 MEDICARE	31	0.06	99.73
3 STATE PROGRAM	103	0.20	99.92
91 OTHER (SPECIFY)	40	0.08	100.00
Total	52,285	100.00	

(50,772 missing values generated)

(50,915 missing values generated)

(51,008 missing values generated)

(51,033 missing values generated)

-8 -7 -1 1 2 3 91

(51,957 missing values generated)

(51,957 missing values generated)

(51,957 missing values generated)

(51,957 missing values generated)

(51,957 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_000001.tmp saved

Result	# of obs.	
not matched	0	
matched	52,285	(opmer==3)

Result	# of obs.	
not matched	0	
matched	52,285	(paidm==3)

(50,556 real changes made)

(50,511 real changes made)

(50,441 real changes made)

(50,445 real changes made)

(417 real changes made)

(51,007 real changes made)

(50,991 real changes made)

(51,023 real changes made)

(50,995 real changes made)

(51,000 real changes made)

(30,975 observations deleted)

(30 missing values generated)

(38 missing values generated)

(50 missing values generated)

(52 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(586 real changes made)

(161 real changes made)

(119 real changes made)

Duplicates in terms of all variables

(13,370 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000m.tmp saved  
 (9,197 missing values generated)  
 (7073 missing values generated)  
 (9,356 missing values generated)  
 (6110 missing values generated)  
 (10,653 missing values generated)  
 (8207 missing values generated)  
 (10,777 missing values generated)  
 (8952 missing values generated)  
 (11,203 missing values generated)  
 (9489 missing values generated)  
 (10,934 missing values generated)  
 (9346 missing values generated)

Duplicates in terms of all variables

(6,002 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000n.tmp saved  
 (866 missing values generated)  
 (866 real changes made, 866 to missing)  
 (877 real changes made, 877 to missing)  
 (0 real changes made)  
 (866 missing values generated)  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000o.tmp saved

variable name	storage type	display format	value label	variable label
op6sppayshlp	double	%12.0g	op6sppayshlp	R6 HL6 SP PAYS FOR HELP
op6govpayhlp	double	%12.0g	op6govpayhlp	R6 HL6 GOVT PAYS FOR HELP
op6inspayhlp	double	%12.0g	op6inspayhlp	R6 HL6 INSUR PAYS FOR HELP
op6othpayhlp	double	%12.0g	op6othpayhlp	R6 HL6 OTHER PAYS FOR HELP
op6payunit	double	%12.0g	op6payunit	R6 HL7 PAYMENT UNIT
op6hourlypay	double	%12.0g	op6hourlypay	R6 HL7A HOURLY AMOUNT PAID
op6weeklypay	double	%12.0g	op6weeklypay	R6 HL7B WEEKLY AMOUNT PAID

R6 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-1 Inapplicable	49,903	97.52	97.52
1 YES	719	1.41	98.92
2 NO	552	1.08	100.00
Total	51,174	100.00	

R6 HL8 PROGRAM   PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	66	0.13	0.13
-7 RF	1	0.00	0.13
-1 Inapplicable	50,859	99.38	99.52
1 MEDICAID	70	0.14	99.65
2 MEDICARE	28	0.05	99.71
3 STATE PROGRAM	106	0.21	99.91
91 OTHER (SPECIFY)	44	0.09	100.00
Total	51,174	100.00	

(49,903 missing values generated)  
(49,903 missing values generated)  
(49,903 missing values generated)  
(49,903 missing values generated)

-8 -7 -1 1 2 3 91

(50,859 missing values generated)  
(50,859 missing values generated)  
(50,859 missing values generated)  
(50,859 missing values generated)  
(50,859 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000p.tmp saved

Result	# of obs.	
not matched	0	
matched	51,174	(opmer==3)

Result	# of obs.	
not matched	0	
matched	51,174	(paidm==3)

(50,285 real changes made)  
(50,136 real changes made)  
(49,963 real changes made)  
(49,914 real changes made)  
(0 real changes made)  
(50,456 real changes made)  
(50,414 real changes made)  
(50,476 real changes made)  
(50,422 real changes made)  
(50,442 real changes made)  
(30,722 observations deleted)  
(1 missing value generated)  
(1 missing value generated)  
(1 missing value generated)  
(1 missing value generated)  
(54 missing values generated)  
(54 missing values generated)  
(54 missing values generated)  
(54 missing values generated)  
(54 missing values generated)  
(54 missing values generated)  
(54 missing values generated)  
(54 missing values generated)  
(155 real changes made)  
(67 real changes made)  
(67 real changes made)

Duplicates in terms of all variables



(13,460 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000q.tmp saved  
 (8,472 missing values generated)  
 (6489 missing values generated)  
 (8,489 missing values generated)  
 (5605 missing values generated)  
 (9,564 missing values generated)  
 (7355 missing values generated)  
 (9,553 missing values generated)  
 (7805 missing values generated)  
 (10,636 missing values generated)  
 (9806 missing values generated)  
 (9,126 missing values generated)  
 (6932 missing values generated)

Duplicates in terms of all variables

(5,630 observations deleted)  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000r.tmp saved  
 (746 missing values generated)  
 (746 real changes made, 746 to missing)  
 (748 real changes made, 748 to missing)  
 (0 real changes made)  
 (746 missing values generated)  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 note: label truncated to 80 characters  
 file C:\Users\husaim03\AppData\Local\Temp\9\ST\_27c980\_00000s.tmp saved

variable name	storage type	display format	value label	variable label
op7sppayshlp	double	%12.0g	op7sppayshlp	R7 HL6 SP PAYS FOR HELP
op7govpayhlp	double	%12.0g	op7govpayhlp	R7 HL6 GOVT PAYS FOR HELP
op7inspayhlp	double	%12.0g	op7inspayhlp	R7 HL6 INSUR PAYS FOR HELP
op7othpayhlp	double	%12.0g	op7othpayhlp	R7 HL6 OTHER PAYS FOR HELP
op7payunit	double	%12.0g	op7payunit	R7 HL7 PAYMENT UNIT
op7hourlypay	double	%12.0g	op7hourlypay	R7 HL7A HOURLY AMOUNT PAID
op7weeklypay	double	%12.0g	op7weeklypay	R7 HL7B WEEKLY AMOUNT PAID

R7 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-1 Inapplicable	47,944	97.72	97.72
1 YES	564	1.15	98.86
2 NO	557	1.14	100.00
Total	49,065	100.00	

R7 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	38	0.08	0.08
-1 Inapplicable	48,795	99.45	99.53
1 MEDICAID	69	0.14	99.67
2 MEDICARE	32	0.07	99.73
3 STATE PROGRAM	92	0.19	99.92
91 OTHER (SPECIFY)	39	0.08	100.00
Total	49,065	100.00	

(47,944 missing values generated)  
 (47,944 missing values generated)

```
(47,944 missing values generated)
(47,944 missing values generated)
-8 -1 1 2 3 91
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_00000t.tmp saved
```

Result	# of obs.	
not matched	0	
matched	49,065	(opmer==3)

Result	# of obs.	
not matched	0	
matched	49,065	(paidm==3)

```
(47,991 real changes made)
(47,958 real changes made)
(47,904 real changes made)
(47,915 real changes made)
(0 real changes made)
(48,020 real changes made)
(48,009 real changes made)
(48,039 real changes made)
(48,011 real changes made)
(48,014 real changes made)
(29,742 observations deleted)
(6 missing values generated)
(6 missing values generated)
(6 missing values generated)
(6 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(455 real changes made)
(122 real changes made)
(79 real changes made)
```

Duplicates in terms of all variables

```
(13,200 observations deleted)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_00000u.tmp saved
(7,232 missing values generated)
(5577 missing values generated)
(7,183 missing values generated)
(4758 missing values generated)
(8,144 missing values generated)
(6142 missing values generated)
(8,181 missing values generated)
(6705 missing values generated)
(8,532 missing values generated)
(7149 missing values generated)
(8,388 missing values generated)
(7141 missing values generated)
```

Duplicates in terms of all variables

```
(4,766 observations deleted)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_00000v.tmp saved
```

```

980
981 foreach x in hours paid kids {
2.     di "`x'"
3.     use ``x'1', clear
4.     forvalues i=2/6 {
5.         di "`i'"
6.         append using ``x'`i''
7.     }
8.     di "`x'"
9.     tempfile `x'
10.    save ``x''
11. }
hours
2
3
4
5
6
hours
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_00000w.tmp saved
paid
2
3
4
5
6
paid
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_00000x.tmp saved
kids
2
3
4
5
6
kids
file C:\Users\husaim03\AppData\Local\Temp\9\ST_27c980_000010.tmp saved

```

```

982
983 restore

```

```

984
985 merge 1:1 spid wave using `kids', keep(match master) gen(kidm)
(label csldnumchild already defined)
(label holentrstair already defined)

```

Result	# of obs.	
not matched	6,312	
from master	6,312	(kidm==1)
from using	0	(kidm==2)
matched	41,466	(kidm==3)

```

986 merge 1:1 spid wave using `hours', keep(match master) gen(hrm)

```

Result	# of obs.	
not matched	16,377	
from master	16,377	(hrm==1)
from using	0	(hrm==2)
matched	31,401	(hrm==3)

```
987 merge 1:1 spid wave using `paid', keep(match master) gen(paidm)
```

Result	# of obs.	
not matched	8,650	
from master	8,650	(paidm==1)
from using	0	(paidm==2)
matched	39,128	(paidm==3)

```
988
```

```
989 label var aveincome "Income"
```

```
990 label var residence "Type of residence"
```

```
991 drop sr*raw ht_new pr_ad8* dem_via_proxy speaktosp date_item* date_sum* ///
> preslast presfirst vp* presvp* date_prvp clock_scorer irecall drecall ///
> wordrecall *65 kidm hrm paidm SP_completed deceased /*va*ser* el5 rl* */
```

```
992
```

```
993 foreach x in eat bath toil dres {
2.     label var adl_`x'_diff "Has difficulty while `x'ing last month"
3.     label var adl_`x'_not "Did not `x' by self in last month"
4. }
```

```
994
```

```
995 foreach x in laun shop meal bank meds {
2.     label var iadl_`x'_diff "Has difficulty while `x'ing last month"
3.     label var iadl_`x'_not "Did not `x' in last month"
4. }
```

```
996 label var iadl_meds_diff "Difficulty taking meds last month"
```

```
997 label var iadl_meds_not "Didn't take meds or not by self in last month"
```

```
998 label var adl_ins_diff "Difficulty moving around inside by self in last month"
```

```
999 label var adl_ins_no "Didn't move around inside by self in last month"
```

```
1000label var adl_bed_dif "Difficulty getting out of bed by self in last month"
```

```
1001label var adl_bed_no "Didn't get out of bed by self in last month"
```

```
1002label var num_helpers_cat "Categorical number of helpers"
```

```
1003label var ivw_type "Type of interview"
```

```
1004label var income_cat "Categorical income"
```

```
1005label var trfinwgt "Tracker weight"
```

```
1006label var tr2011wgt "Tracker weight (2011 cohort)"
```

```
1007label var howgetdoc "Mode of transport to regular doctor"
```

```
1008label var ivw_day "Day of interview (Assigned to 1 for all)"
```

```
1009label var ivw_month "Month of interview"
```

```

1010label var ivw_year "Year of interview"
1011label var ivw_date "Date of interview (1st of the month assigned)"
1012label var community_dwelling "Community dwelling"
1013label var marital_sd "Separated or divorced"
1014label var iadl_diff_index "Count of IADL difficulties reported (missing coded
> as zero)"
1015label var iadl_diff_ind "Indicator of any IADL difficulty reported (missing co
> ded as zero)"
1016label var adl_diff_index "Count of IADL difficulties reported (missing coded a
> s zero)"
1017label var adl_diff_ind "Indicator of any IADL difficulty reported (missing cod
> ed as zero)"
1018label var nhats_death_day "Sensitive: Day of death from NHATS (Assigned to las
> t day of month)"
1019label var nhats_death_month "Sensitive: Month of death from NHATS"
1020label var nhats_death_year "Sensitive: Year of death from NHATS"
1021label var division "Census division"
1022label var region "Region"
1023label var ind_kids "Indicator any living children"
1024
1025rename adlcount adlcount_jenny
1026label var adlcount_j "ADL count: some/lot of difficulty or adverse consequence
> of unmet need"
1027rename iadlcount iadlcount_jenny
1028label var iadlcount_j "IADL count: some/lot of difficulty or adverse consequen
> ce of unmet need"
1029
1030// 11/8/18 Making National Estimates using 2011 population (using original wei
> ghts) Rds 1-4
1031rename anfinwgt old_anfinwgt
1032gen double anfinwgt=old_anfinwgt
1033replace anfinw=old_anfinwgt*5491440/4649902 if inrange(age,65,69) & female==0
> & inrange(wave,1,4)
(1,390 real changes made)
1034replace anfinw=old_anfinwgt*4087340/4097017 if inrange(age,70,74) & female==0
> & inrange(wave,1,4)
(2,322 real changes made)
1035replace anfinw=old_anfinwgt*3027820/3001146 if inrange(age,75,79) & female==0
> & inrange(wave,1,4)
(2,122 real changes made)

```

```

1036replace anfinw=old_anfinwgt*2169060/2173979 if inrange(age,80,84) & female==0
    > & inrange(wave,1,4)
    (2,039 real changes made)

1037replace anfinw=old_anfinwgt*1194880/1224397 if inrange(age,85,89) & female==0
    > & inrange(wave,1,4)
    (1,421 real changes made)

1038replace anfinw=old_anfinwgt*524540/463619 if inrange(age,90,150) & female==0 &
    > inrange(wave,1,4)
    (876 real changes made)

1039
1040replace anfinw=old_anfinwgt*6124980/5250466 if inrange(age,65,69) & female==1
    > & inrange(wave,1,4)
    (1,622 real changes made)

1041replace anfinw=old_anfinwgt*4781940/4843444 if inrange(age,70,74) & female==1
    > & inrange(wave,1,4)
    (2,749 real changes made)

1042replace anfinw=old_anfinwgt*3886940/3878674 if inrange(age,75,79) & female==1
    > & inrange(wave,1,4)
    (2,775 real changes made)

1043replace anfinw=old_anfinwgt*3249940/3215654 if inrange(age,80,84) & female==1
    > & inrange(wave,1,4)
    (3,027 real changes made)

1044replace anfinw=old_anfinwgt*2230480/2257969 if inrange(age,85,89) & female==1
    > & inrange(wave,1,4)
    (2,458 real changes made)

1045replace anfinw=old_anfinwgt*1382160/1329677 if inrange(age,90,150) & female==1
    > & inrange(wave,1,4)
    (2,362 real changes made)

1046
1047// Making National Estimates using 2015 population (using original weights) Rd
    > s 5-7
1048replace anfinw=old_anfinwgt*6855860/5671878 if inrange(age,65,69) & female==0
    > & inrange(wave,5,7)
    (1,033 real changes made)

1049replace anfinw=old_anfinwgt*4941100/5071147 if inrange(age,70,74) & female==0
    > & inrange(wave,5,7)
    (2,135 real changes made)

1050replace anfinw=old_anfinwgt*3367300/3524465 if inrange(age,75,79) & female==0
    > & inrange(wave,5,7)
    (1,927 real changes made)

1051replace anfinw=old_anfinwgt*2257880/2208455 if inrange(age,80,84) & female==0
    > & inrange(wave,5,7)
    (1,635 real changes made)

1052replace anfinw=old_anfinwgt*1307620/1358952 if inrange(age,85,89) & female==0
    > & inrange(wave,5,7)
    (1,266 real changes made)

```

```

1053replace anfinw=old_anfinwgt*648680/624319 if inrange(age,90,150) & female==0 &
> inrange(wave,5,7)
(835 real changes made)

1054
1055replace anfinw=old_anfinwgt*7601440/6226214 if inrange(age,65,69) & female==1
> & inrange(wave,5,7)
(1,162 real changes made)

1056replace anfinw=old_anfinwgt*5695060/6077509 if inrange(age,70,74) & female==1
> & inrange(wave,5,7)
(2,524 real changes made)

1057replace anfinw=old_anfinwgt*4182460/4196832 if inrange(age,75,79) & female==1
> & inrange(wave,5,7)
(2,495 real changes made)

1058replace anfinw=old_anfinwgt*3165560/3137807 if inrange(age,80,84) & female==1
> & inrange(wave,5,7)
(2,383 real changes made)

1059replace anfinw=old_anfinwgt*2253980/2157300 if inrange(age,85,89) & female==1
> & inrange(wave,5,7)
(2,018 real changes made)

1060replace anfinw=old_anfinwgt*1577880/1534438 if inrange(age,90,150) & female==1
> & inrange(wave,5,7)
(1,995 real changes made)

1061
1062// Making National Estimates using 2011 Population (2011 Weights) for Rds 5-7
1063rename an2011wgt old_an2011wgt

1064gen an2011wgt=old_an2011wgt
(25,856 missing values generated)

1065replace an2011wgt=old_an2011wgt*5491440/4649902 if inrange(age,65,69) & female
> ==0 & inrange(wave,5,7)
(16 real changes made)

1066replace an2011wgt=old_an2011wgt*4087340/4097017 if inrange(age,70,74) & female
> ==0 & inrange(wave,5,7)
(1,036 real changes made)

1067replace an2011wgt=old_an2011wgt*3027820/3001146 if inrange(age,75,79) & female
> ==0 & inrange(wave,5,7)
(1,028 real changes made)

1068replace an2011wgt=old_an2011wgt*2169060/2173979 if inrange(age,80,84) & female
> ==0 & inrange(wave,5,7)
(910 real changes made)

1069replace an2011wgt=old_an2011wgt*1194880/1224397 if inrange(age,85,89) & female
> ==0 & inrange(wave,5,7)
(749 real changes made)

1070replace an2011wgt=old_an2011wgt*524540/463619 if inrange(age,90,150) & female=
> =0 & inrange(wave,5,7)
(532 real changes made)

```

```

1071
1072replace an2011wgt=old an2011wgt*6124980/5250466 if inrange(age,65,69) & female
    > ==1 & inrange(wave,5,7)
    (20 real changes made)

1073replace an2011wgt=old an2011wgt*4781940/4843444 if inrange(age,70,74) & female
    > ==1 & inrange(wave,5,7)
    (1,195 real changes made)

1074replace an2011wgt=old an2011wgt*3886940/3878674 if inrange(age,75,79) & female
    > ==1 & inrange(wave,5,7)
    (1,350 real changes made)

1075replace an2011wgt=old an2011wgt*3249940/3215654 if inrange(age,80,84) & female
    > ==1 & inrange(wave,5,7)
    (1,369 real changes made)

1076replace an2011wgt=old an2011wgt*2230480/2257969 if inrange(age,85,89) & female
    > ==1 & inrange(wave,5,7)
    (1,285 real changes made)

1077replace an2011wgt=old an2011wgt*1382160/1329677 if inrange(age,90,150) & femal
    > e==1 & inrange(wave,5,7)
    (1,240 real changes made)

1078
1079label var anfinwgt "Updated Analytic Weights"

1080label var an2011wgt "Updated 2011 Analytic Weight for Rds 5+"

1081
1082notes anfinwgt : r*anfinwgt0

1083notes anfinwgt : Analytic final weight, post-stratified to most recent sample
    > frame as in the technical paper

1084notes anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
    > header

1085notes anfinwgt : "_"

1086notes anfinwgt : Freedman, VA and BC Spillman. Making National Estimates... NH
    > ATS Technical Paper#17.

1087
1088notes an2011wgt : r*an2011wgt0

1089notes an2011wgt : Analytic final weight, post-stratified to most 2011 sample f
    > rame as in the technical paper

1090notes an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
    > header

1091notes an2011wgt : "_"

1092notes an2011wgt : Freedman, VA and BC Spillman. Making National Estimates... N
    > HATS Technical Paper#17.

1093
1094notes old_anfinwgt : r*anfinwgt0

```



```

1095notes old_anfinwgt : Original analytic weight
1096notes old_anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
> p-7 header
1097notes old_anfinwgt : "_"
1098notes old_anfinwgt : Freedman, VA and BC Spillman. Making National Estimates..
> . NHATS Technical Paper#17.
1099
1100notes old_an201lwgt : r*an201lwgt0
1101notes old_an201lwgt : Original analytic weight for 2011 sample frame
1102notes old_an201lwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-7 header
1103notes old_an201lwgt : "_"
1104notes old_an201lwgt : Freedman, VA and BC Spillman. Making National Estimates.
> .. NHATS Technical Paper#17.
1105
1106
1107/*Add notes for raw variables or variables that were created in earlier header
> s*/
1108notes varstrat : r*varstrat
1109notes varunit : r*varunit
1110notes wave : "_"
1111notes wave : Wave assigned to round number
1112notes wave : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-1 head
> er
1113notes proxy_ivw : is*resptype
1114notes proxy_ivw : Is the interview a proxy? 1=yes
1115notes proxy_ivw : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
> header
1116notes age : r*dintvwrage r*ddeathage
1117notes age : Age at interview if living or death if LML
1118notes age : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 heade
> r
1119notes female : r*dgender
1120notes female : "_"
1121notes female : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 he
> ader
1122notes educ_hs_ind : el*higstschl

```

1123notes educ\_hs\_ind : Completed HS+ (includes GED)

1124notes educ\_hs\_ind : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Step  
> -3 header

1125notes white : rl\*dracehisp

1126notes white : Non-Hispanic White

1127notes white : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Step-3 hea  
> der

1128notes black : rl\*dracehisp

1129notes black : Non-Hispanic Black

1130notes black : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Step-3 hea  
> der

1131notes hisp : rl\*dracehisp

1132notes hisp : Any Hispanic

1133notes hisp : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Step-3 head  
> er

1134notes other\_race : rl\*dracehisp

1135notes other\_race : Any non-White, non-Black, non-Hispanic race

1136notes other\_race : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Step-  
> 1 header

1137notes medicaid : ip\*cmedicaid

1138notes medicaid : "\_"

1139notes medicaid : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Step-3  
> header

1140notes medigap : ip\*mgapmedsp

1141notes medigap : "\_"

1142notes medigap : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Step-3 h  
> eader

1143notes srh\_fp : hc\*health

1144notes srh\_fp : SR health is poor or fair (as opposed to good, v. good, or exce  
> llent)

1145notes srh\_fp : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Step-4 he  
> ader

1146notes adl\_eat\_help : sc\*eathelp

1147notes adl\_eat\_help : Help eating in the last month

1148notes adl\_eat\_help : E:\nhats\nhats\_code\NHATS\_data\_setup\NHATS\_Setup.otl, Ste  
> p-5 header

```

1149notes adl_bath_help : sc*bathhelp
1150notes adl_bath_help : Help bathing in the last month
1151notes adl_bath_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header
1152notes adl_toil_help : sc*toilhelp
1153notes adl_toil_help : Help toiling in the last month
1154notes adl_toil_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header
1155notes adl_dres_help : sc*dreshelp
1156notes adl_dres_help : Help dressing in the last month
1157notes adl_dres_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header
1158
1159
1160keep spid old_anfinwgt varstrat varunit wave yearsample r7status r6status r5st
> atus r4status r3status r2status rlstatus ivw_type sp_ivw_yes lml_ivw_yes proxy
> _ivw freq_go_out ///
> _help_go_out out_on_own needshelp hasdifficulty helpdiff independent homebound_
> cat never_go_out indeplow indephigh age female race_cat education educ_hs_ind
> imputed_incl ///
> imputed_inc2 imputed_inc3 imputed_inc4 imputed_inc5 aveincome income_cat other
> lang white black hisp other_race whiteoth maritalstat medicaid medigap mc_part
> d tricare ///
> private_ltc residence livearrang livealone srh srh_fp sr_ami_ever sr_ami_new s
> r_stroke_ever sr_stroke_new sr_cancer_ever sr_cancer_new sr_hip_ever sr_hip_ne
> w ///
> sr_heart_dis_ever sr_heart_dis_new sr_htn_ever sr_htn_new sr_ra_ever sr_ra_new
> sr_osteoprs_ever sr_osteoprs_new sr_diabetes_ever sr_diabetes_new sr_lung_dis
> _ever ///
> sr_lung_dis_new sr_dementia_ever sr_dementia_new sr_depr_pqq1 sr_depr_pqq2 sr_
> anx_gad1 sr_anx_gad2 sr_phq2_score sr_phq2_depressed sr_gad2_score sr_gad2_anx
> iety ///
> dem_3_cat dem_2_cat memory sr_numconditions1 fall_last_month adl_eat_diff adl_
> eat_help adl_eat_not_done adl_bath_diff adl_bath_help adl_bath_not_done adl_to
> il_diff ///
> adl_toil_help adl_toil_not_done adl_dres_diff adl_dres_help adl_dres_not_done
> iadl_laun_help iadl_laun_diff iadl_laun_not_done iadl_shop_help iadl_shop_diff
> ///
> iadl_shop_not_done iadl_meal_help iadl_meal_diff iadl_meal_not_done iadl_bank_
> help iadl_bank_diff iadl_bank_not_done iadl_meds_help iadl_meds_diff iadl_meds
> _not_done ///
> _ind_meds_diff ind_meds_mistake ind_meds_problem reg_doc have reg_doc_seen reg
> _doc_homevisit sr_hosp_ind sr_hosp_stays prim_helper opid prim_helper_cat ///
> _tot_hrsmonth_help_i n_helpers tot_hrswk_help_i n_family_helpers ind_family_he
> lper_n_paid_helpers ind_paid_helper ind_rc_staff num_helpers_cat tot_hrsmonth_
> paid_i ///
> _tot_hrswk_paid_i ind_no_helpers metro_ind no_acp formal_acp informal_acp acp
> old_an2011wgt trfinwgt tr2011wgt serarmfor dresslf dresdif ntlvrmslp eatdev in
> come_quart ///
> _placedied hospice1 hospice2 hospicelml gripscl walksec1 walkhndr1 gripscl wal
> ksec2 walkhndr2 origwksc nhatswksc nhatsgrav nhatsgrb lst10pnds trytolose evrg
> owalk_vigoractv ///
> _unwgtloss lowphysact lowenergy oftcheer oftbores oftfol oftupset lifemean con
> fident giveup livingsit selfdeter findway adjchg agefeel mealskip nopayhous no
> payutil ///
> _nopaymed mealskipnum sr_skincancer_had sr_breastcancer_had sr_prostatecancer_
> had sr_bladdercancer_had sr_crvovrnutrnrcancer_had sr_coloncancer_had sr_kidney
> cancer_had ///
> _sr_othercancer_had howgetdoc ind_imp_visit ind_imp_relig ind_imp_club ind_imp
> _goout device_out device_insd device_bed device_eat device_bath device_toil de
> vice_dres ///
> _device_any drives avoids ind_transp_disadv get_places1 get_places2 get_places
> 3 get_places4 get_places5 get_places6 get_places7 married marital_sep marital_

```

```

> div ///
> marital_wid marital_nev marriedpartnered marital_sd resspouse hhm agecat attr
> elig imprelig visitfrfam impvisit attclub impclub vigact religvimp smokedever
> ///
> smoke_start_age smoke_stop_age smokesnow numcigsever numcigsnow ind_pain wgt_
> curr height_ft height_in bmi moved community_dwelling nhres rcfres res_care sp
> _status ///
> _prob dem adl_ins_help adl_ins_diff adl_ins_not_done adl_bed_help adl_bed_diff
> _adl_bed_not_done ivw_day ivw_month ivw_year adl_index adl_independent adl_imp
> air ///
> iadl_index iadl_independent iadl_impair adl_diff_index adl_diff_ind iadl_diff
> _index iadl_diff_ind ivw_date meals_wheels noone_talk restrnt_takeout nhats_de
> ath_day ///
> nhats_death_date nhats_death_month nhats_death_year eligible_nsoc completed_n
> soc_total_caregiver_comp total_caregiver_elig adverse adverse_laun adverse_sho
> p ///
> _adverse_meal adverse_bank adverse_eat adverse_bath adverse_toil adverse_dres
> _adverse_out adverse_insd adverse_bed lim_fav lim_fav_yr cohesion_knowwell cohe
> sion_willing ///
> _cohesion_peop cohesion_home_disorder_insd home_disorder_outsd home_disorder_a
> rea home_disorder_clutter creditdebt medcreditdebt medbillsovertime medpaynotc
> ash finhlpfam ///
> _fingftfam govtasst ownhome rent mortgagepaidoff paysmortgage mortpaymt timein
> _mort owedonmort homevalue rentpaid section8 n_social_network division region n
> ortheast ///
> _midwest south west n_children stairs_ind livesalone_ind ind_kids eat_jenny to
> _il_jenny insd_jenny bed_jenny dres_jenny bath_jenny adlcount_jenny laun_jenny
> _meds_jenny ///
> _shop_jenny meal_jenny bank_jenny iadlcount_jenny device_mobility spouse_help
> _ind_tot_spousehrs daughter_help_ind tot_daughterhrs son_help_ind tot_sonhrs ot
> _herfamily_help_ind ///
> _tot_otherfamilyhrs paid_help_ind tot_paidhrs otherinformal_help_ind tot_other
> _informalhrs any_paid_by_sp any_paid_by_gov any_paid_by_ins any_paid_by_unk any
> _paid_by_oth ///
> _any_paid_by_gov_cat_1 any_paid_by_gov_cat_2 any_paid_by_gov_cat_3 any_paid_by
> _gov_cat_oth any_paid_by_gov_cat_unknown any_paid_by_medicare any_paid_by_medi
> _caid any_paid_by_state ///
> _ind_gt20hrs_wk inf ind_gt20hrs_wk_paid anfinwgt an201lwgt death_* died_12 die
> _d_24*_lml qoc_lml_e

1161
1162
1163saveold "E:\nhats\data\NHATS cleaned\sp_round_1_7", replace version(12)
(saving in Stata 12 format, which can be read by Stata 11 or 12)
file E:\nhats\data\NHATS cleaned\sp_round_1_7.dta saved

1164
1165gen time2d=mofd(nhats_death_date)-mofd(ivw_date)
(39,184 missing values generated)

1166
1167foreach x in 12 24 {
2. gen nhats_died_`x'`=time2d<=`x' if !lml
3. label var nhats_died_`x' "Died w/in `x' months (from NHATS)"
4.
1168}
(2,671 missing values generated)
(2,671 missing values generated)

1169
1170capture log close

```