



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\6_nhats_cleaning__5_Apr_2
> 019.smcl
      log type: text
      opened on:  5 Apr 2019, 16:42:12

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)

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(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. }

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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"

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128 note an2011wgt: an2011wgt0
129 note an2011wgt: Analytic Weight for 2011 cohort, for rounds 5+
130 note formal_acp: Located in NHATS Setup, under Part 7.
131 note formal_acp: Created: 8/10/18-MH
132
133
134 rename trfinwgt0 trfinwgt
135 rename tr2011wgt0 tr2011wgt
136
137 //Add in 7/3/18
138
139 foreach w in 1 5{
140     2.         replace serarmfor=1 if serarmfor==1 & wave==`w'
141     3.         replace serarmfor=0 if serarmfor==2 & wave==`w'
142     4.         replace serarmfor=. if serarmfor==7 & wave==`w'
143     5.         replace serarmfor=. if serarmfor==8 & wave==`w'
144     6. }
145     (0 real changes made)
146     (5,740 real changes made)
147     (7 real changes made, 7 to missing)
148     (74 real changes made, 74 to missing)
149     (0 real changes made)
150     (5,661 real changes made)
151     (4 real changes made, 4 to missing)
152     (185 real changes made, 185 to missing)
153
154 label var serarmfor "Served in Armed Forces"
155
156 sort spid wave
157
158 by spid: carryforward serarmfor, replace
159     serarmfor: (30900 real changes made)
160
161 notes drop serarmfor
162     (1 note dropped)
163
164 note serarmfor: Asked in rounds 1,5. Used serarmfor to find.
165
166 note serarmfor: Served in Arm Forces variable, carried previous value to new w
167     > ave.
168
169 note formal_acp: Located in NHATS Setup, under Part 7.
170
171 note formal_acp: Created: 7/3/18-MH
172
173
174 //Add in 4/6/18
175 label var dresslf "Often you Dress Yourself"
176
177
178 label var dresdif "Difficulty when using Special Items by Self"
179
180

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155 label var ntlvrmslp "Often had to Stay in Bed"

156
157 label var eatdev "Ever use Adapted Utensils"

158
159
160 ///// 4/2/2018--Adding in income quartile
    > sort wave

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

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

163
164 forvalues w=1/$w{
    2. drop income_quart`w'
    3. }

165
166 note income_quart: Use aveincome to create variable.

167 note income_quart: Create an income quartile measure. Weighted.

168 note income_quart: Located in NHATS Setup, under Part 7.

169 note income_quart: Created: 4/2/18-MH

170
171 label var income_quart "Quartile of Income"

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

173 label values income_quart income_quart

174
175 ///// 3/26/18 --Adding in Hospice and place died variables.
    >
176 label var placedied "Place of Death"

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

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

179 note placedied: placedied (6=91) (.-=-1,-8) all else the same.

180 note placedied: Place died variable from LML interview.

181 note placedied: Located in NHATS Setup, under Part 7.

182 note placedied: Created: 3/26/18-MH

183
184 replace hospice2=. if inlist(hospice2,-1,-8)
    (39,325 real changes made, 39,325 to missing)

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185 note hospice2: hospice2 variable, (.-1,-1)
186 note hospice2: Hospice at other place, list.
187 note hospice2: Located in NHATS Setup, under Part 7.
188 note hospice2: Created: 3/26/18-MH
189
190 rename hospcelml hospicelml
191 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)
192
193 note hospicel: hospicel variable (0=2) (.-1,-8)
194 note hospicel: Hospice at Nursing Home.
195 note hospicel: Located in NHATS Setup, under Part 7.
196 note hospicel: Created: 3/26/18-MH
197
198 note hospicelml: hospicelml variable (0=2) (.-1,-8)
199 note hospicelml: Hospice at other place, list.
200 note hospicelml: Located in NHATS Setup, under Part 7.
201 note hospicelml: Created: 3/26/18-MH
202
203 label var hospicel "Hopsice at Nursing Home"
204 label var hospice2 "Hospice Other Place"
205 label var hospicelml "Hospice Care in Last Month"
206
207
208 ///// 3/14/18 --Adding in Frailty underlying series
209 >
209 //activities done twice (grip test, walk test..)
210
211 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.
212 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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213
214 label var grip1 "GRP1 Display Reading"
215 label var grip2 "GRP2 Display Reading"
216 label var walk1 "Secs Hld Walking Course1"
217 label var walk2 "Secs Hld Walking Course2"
218 label var walkh1 "Hnlds Hld Walking Course1"
219 label var walkh2 "Hnlds Hld Walking Course2"
220
221 foreach y in grip1 walk1 walkh1 {
222   foreach x in 1 2 {
223     note `y'`x': `y'`x' (.-1,-7,-8,-9)
224   }
225   if "`y'"=="grip1" {
226     note grip1`x': Grip Strength `x' Reading
227   }
228   else if "`y'"=="walk1" {
229     note walk1`x': Walking Course Completion in Seconds place `x' Reading
230   }
231   else if "`y'"=="walkh1" {
232     note walkh1`x': Walking Course Completion Hundredths place `x' Reading
233   }
234   note `y'`x': Located in NHATS Setup, under Part 7.
235   note `y'`x': Created: 3/14/18-MH
236 }
237
238
239
240
241
242
243
244
245 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb {
246   capture drop `x'
247   gen `x'=.
248   replace `x'=d`x' if inlist(d`x', 0, 1, 2, 3, 4)
249 }
250 (47,778 missing values generated)
251 (39,737 real changes made)
252 (47,778 missing values generated)
253 (39,737 real changes made)
254 (47,778 missing values generated)
255 (39,619 real changes made)
256 (47,778 missing values generated)
257 (39,619 real changes made)
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233 if "`x'"=="origwksc"{
4. note `x': Original Walk Score
5. }
6. else if "`x'"=="nhatswksc"{
7. note `x': NHATS Walk Score
8. }
9. else if "`x'"=="nhatsgrav"{
10. note `x': NHATS Avg Grip Score
11. }
12. else if "`x'"=="nhatsgrb"{
13. note `x': NHATS Best grip Score
14. }
15. note `x': Located in NHATS Setup, under Part 7.
16. note `x': Created: 3/14/18-MH
17.
234 }

235
236 local a lst10pnds trytolose

237 local b evrgowalk vigoractv

238
239 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)

240
241
242 foreach x in `a' `b'{
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. note `x': `x' (0=2) (1=1) (.-=-1, -9)
7. }
(30,263 real changes made)
(11,278 real changes made)
(7,066 real changes made)
(4,211 real changes made)
(17,772 real changes made)
(24,335 real changes made)
(27,384 real changes made)
(14,710 real changes made)

243
244 note lst10pnds: Lost 10 Pounds in Last Year (Y/N)

245 note trytolose: Were you trying to lose Weight (Y/N)

246 note evrgowalk: Ever go walking for exercise (Y/N)

247 note vigoractv: Ever Vigorous Activities (Y/N)

248

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249 foreach x in `a' `b'{
    2. note `x': Located in NHATS Setup, under Part 7.
    3. note `x': Created: 04/05/18-MH
    4. }

250
251 label var lst10pnds "Lost 10 Pounds in Last Yr."

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

253 label var evrgowalk "Ever Go Walking for Exercise"

254 label var vigoractv "Ever Vigorous Activities"

255
256 capture drop unwtgloss lowphysact

257 gen unwtgloss=.
    (47,778 missing values generated)

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

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

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

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

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

263
264 label var unwtgloss "Unintentional Weight Loss"

265 label var lowphysact "Low Physical Activity"

266
267 note unwtgloss: Created from lst10pnds and trytolose, if lst10pnds is yes and
    > trytolose is no.

268 note unwtgloss: Unintentional Weight Loss

269 note lowphysact: Created frin evrgowalk and vigoractv, if evrgowalk is no and
    > vigoractv is no.

270 note lowphysact: Low Physical Activity

271
272 replace lowenergy=. if inlist(lowenergy, -9, -8, -7, -1)
    (5,770 real changes made, 5,770 to missing)

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

274 label var lowenergy "Low Energy in Last Month"

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275
276 note lowenergy: lowenergy is (.-9,-8,-7,-1) (0=2) (1=1)

277 note lowenergy: Low Energy in Last Month (Y/N)

278
279 foreach x in unwtgloss lowphysact lowenergy{
    2. note `x': Located in NHATS Setup, under Part 7.
    3. note `x': Created: 04/05/18-MH
    4. }

280
281 ///// 3/7/18 --Adding in Well-Being questions
> /// Inapplicable is people who have no interview, had a proxy, or died. turned
> to missing.
>
282 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)
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(47,778 missing values generated)
(47,778 missing values generated)
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(47,778 missing values generated)

283 drop wbq44

284
285 note wbq11: Often

286
287 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. note wbq1`i': offelche`i' (0=5) (1=4) (2=3) (3=2) (4=1) (5=-7,-8)
    9. if `i'==1{
    10. note wbq1`i': Often you feel Cheerful (wb)
    11. }
    12. else if `i'==2{
    13. note wbq1`i': Often you feel Bored (wb)
    14. }
    15. else if `i'==3{
    16. note wbq1`i': Often you feel Full of Life (wb)
    17. }
    18. else if `i'==4{
    19. note wbq1`i': Often you feel Upset (wb)
    20. }
    21. note wbq1`i': Located in NHATS Setup, under Part 7.
    22. note wbq1`i': Created: 04/05/18-MH
    23. }
(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)

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(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)
(588 real changes made)

288
289
290 label var wbq11 "Often you Feel Cheerful"

291 rename wbq11 oftcheer

292 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"

293 label values oftcheer oftcheer

294 label var wbq12 "Often you Feel Bored"

295 rename wbq12 oftbored

296 label values oftbored oftcheer

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

298 rename wbq13 oftfol

299 label values oftfol oftcheer

300 label var wbq14 "Often you Feel Upset"

301 rename wbq14 oftupset

302 label values oftupset oftcheer

303
304 note drop oftcheer in 1
    (1 note dropped)

305 note renumber oftcheer

306
307 forvalues i=1/4 {
    2. replace wbq2`i'=1 if truestme`i'==3
    3. replace wbq2`i'=2 if truestme`i'==2
    4. replace wbq2`i'=3 if truestme`i'==1
    5. replace wbq2`i'=4 if (truestme`i'==7 | truestme`i'==8)
    6. note wbq2`i': truestme`i' (1=3) (2=2) (3=1) (4=-7,-8)
    7. if `i'==1{
    8. note wbq2`i': Life has Meaning and Purpose (wb)
    9. }
    10. else if `i'==2{
    11. note wbq2`i': I Feel Confident and Good about Myself (wb)
    12. }
    13. else if `i'==3{
    14. note wbq2`i': I gave up trying ot imporve my life a long time ago (wb)
    15. }
    16. else if `i'==4{
    17. note wbq2`i': I like my living situation very much (wb)
    18. }

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19. note wbq2`i': Located in NHATS Setup, under Part 7.
20. note wbq2`i': Created: 04/05/18-MH
21. }
(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)

308
309
310 label var wbq21 "Life has Meaning Purpose"

311 rename wbq21 lifemean

312 label define lifemean 1 "Agree Not at All" 2 "Agree a Little" 3 "Agree A Lot"
> 4 "RF/DK"

313 label values lifemean lifemean

314 label var wbq22 "Feels Confident"

315 rename wbq22 confident

316 label values confident lifemean

317 label var wbq23 "Gave up Improving Life"

318 rename wbq23 giveup

319 label values giveup lifemean

320 label var wbq24 "Likes Living Situation"

321 rename wbq24 livingsit

322 label values livingsit lifemean

323
324
325 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. note wbq4`i': truestme`i' (1=3) (2=2) (3=1) (4=-7,-8)
7. if `i'==1{
8. note wbq4`i': Other people determine most of what I can and cannot do (wb)
9. }
10. else if `i'==2{
11. note wbq4`i': When I really want to do something, I usually find a way to d
> o it. (wb)
12. }
13. else if `i'==3{
14. note wbq4`i': I have an easy time adjusting to change. (wb)
15. }
16. note wbq4`i': Located in NHATS Setup, under Part 7.
17. note wbq4`i': Created: 04/05/18-MH
18. }
(26,335 real changes made)
(7,963 real changes made)

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(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)

326
327
328 label var wbq41 "Self Determination"

329 rename wbq41 selfdeter

330 label values selfdeter lifemean

331 label var wbq42 "Want-Finds Way to Do"

332 rename wbq42 findway

333 label values findway lifemean

334 label var wbq43 "Easily Adjust to Change"

335 rename wbq43 adjchg

336 label values adjchg lifemean

337
338
339 capture drop agefeel

340 egen agefeel= rowmax(ageyofeel)

341 replace agefeel=. if agefeel==9 | agefeel==8 | agefeel==7 | agefeel==1
    (10,818 real changes made, 10,818 to missing)

342 label var agefeel "Age you Feel Most Times"

343
344 note agefeel: From ageyofeel

345 note agefeel: Age you feel most of the time

346 note agefeel: Located in NHATS Setup, under Part 7.

347 note agefeel: Created: 04/05/18-MH

348
349 ///// 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
350
351 local ew mealskip1 nopayhous nopayutil nopaymed

352
353 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. note `x': `x' (0=2) (1=1) (.-9,-8,-7,-1)
    7. if "`x'"=="mealskip1"{
    8. note `x': Skip any meals b/c there was not enough food, or money to buy foo
    > d
    9. }
    10. else if "`x'"=="nopayhous"{
    11. note `x': Not enough money to pay rent or mortgage
    12. }
    13. else if "`x'"=="nopayutil"{

```



```

14. note `x': Not enough money to pay utility bills(gas, electric)
15. }
16. else if "`x'"=="nopaymed"{
17. note `x': Not enough money to pay medical or prescription drug bills
18. }
19. note `x': Located in NHATS Setup, under Part 7.
20. note `x': Created: 04/05/18-MH
21. }

```

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)

```

354
355
356 label var mealskip1 "No Money, Meals Skipped"
357 label var nopayhous "No Money for Housing"
358 label var nopayutil "No Money for Utilities"
359 label var nopaymed "No Money for Medical"
360
361 label define mealskip 0 "No" 1 "Yes"
362 foreach x in `ew' {
363     2. label values `ew' mealskip
364     3. }
365
366 rename mealskip1 mealskip
367
368 gen mealskipnum=.
369     (47,778 missing values generated)
370
371 replace mealskipnum=0 if mealskip2==1 & mealskip==0
372     (33,504 real changes made)
373
374 replace mealskipnum=1 if mealskip2==4
375     (188 real changes made)
376
377 replace mealskipnum=2 if mealskip2==3
378     (79 real changes made)
379
380 replace mealskipnum=3 if mealskip2==2
381     (26 real changes made)
382
383 replace mealskipnum=4 if mealskip2==1
384     (40 real changes made)
385
386
387
388
389 label var mealskipnum "How Often Meals Skipped"
390
391 label define mealskipnum1 0 "No" 1 "A Few Days" 2 "Several Days(less than half
392 > )" ///
393 > 3 "More than Half the Days" 4 " Nearly Every Day" 5 "RF/DK"
394
395 label values mealskipnum mealskipnum1
396
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[illegible]

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(7,276 real changes made)
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399
400 local r=1

401 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. notes `x': cancerty`r' (0=-1,2) (.-=-9,-8)
5. if "`x'"=="sr_skincancer_had"{
6. notes `x': Had Skin Cancer
7. }
8. else if "`x'"=="sr_breastcancer_had"{
9. notes `x': Had Breast Cancer
10. }
11. else if "`x'"=="sr_prostatecancer_had"{
12. notes `x': Had Prostate Cancer
13. }
14. else if "`x'"=="sr_bladdercancer_had"{
15. notes `x': Had Bladder Cancer
16. }
17. else if "`x'"=="sr_crvovrnutrncancer_had"{
18. notes `x': Had Cervical/Ovarian/Uterine Cancer
19. }
20. else if "`x'"=="sr_coloncancer_had"{
21. notes `x': Had Colon Cancer
22. }
23. else if "`x'"=="sr_kidneycancer_had"{
24. notes `x': Had Kidney Cancer
25. }
26. else if "`x'"=="sr_othercancer_had"{
27. notes `x': Had Other Type of Cancer
28. }
29. note `x': Located in NHATS Setup, under Part 7.
30. note `x': Created: 04/05/18-MH
31. local r=`r'+1
32. }
(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)

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402
403 label var sr_skincancer_had "Sensitive: Skin Cancer"
404 label var sr_breastcancer_had "Sensitive: Breast Cancer"
405 label var sr_prostatecancer_had "Sensitive: Prostate Cancer"
406 label var sr_bladdercancer_had "Sensitive: Bladder Cancer"
407 label var sr_crvovrnutrncancer_had "Sensitive: Cervical/Ovarian/Uterine Cancer
> "
408 label var sr_coloncancer_had "Sensitive: Colon Cancer"
409 label var sr_kidneycancer_had "Sensitive: Kidney Cancer"
410 label var sr_othercancer_had "Sensitive: Other Cancer"
411
412 //recoding all refuse, dk, na, as missing
413 qui destring *, replace
414 foreach x of varlist * {
    2.         replace `x'=. if inlist(`x',-1,-7,-8,-9)
    3. }
(0 real changes made)
(0 real changes made)
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(42,177 real changes made, 42,177 to missing)
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(29,439 real changes made, 29,439 to missing)
(29,416 real changes made, 29,416 to missing)
(29,416 real changes made, 29,416 to missing)
(30,008 real changes made, 30,008 to missing)
(30,008 real changes made, 30,008 to missing)
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(30,008 real changes made, 30,008 to missing)
(30,008 real changes made, 30,008 to missing)
(30,008 real changes made, 30,008 to missing)
(18,399 real changes made, 18,399 to missing)
(0 real changes made)
(14,306 real changes made, 14,306 to missing)
(15,926 real changes made, 15,926 to missing)
(17,311 real changes made, 17,311 to missing)
(17,311 real changes made, 17,311 to missing)
(44,137 real changes made, 44,137 to missing)

(10,728 real changes made, 10,728 to missing)
(12,214 real changes made, 12,214 to missing)
(14,047 real changes made, 14,047 to missing)
(14,047 real changes made, 14,047 to missing)
(43,606 real changes made, 43,606 to missing)
(8,524 real changes made, 8,524 to missing)
(9,248 real changes made, 9,248 to missing)
(11,381 real changes made, 11,381 to missing)
(11,381 real changes made, 11,381 to missing)
(43,280 real changes made, 43,280 to missing)
(16,157 real changes made, 16,157 to missing)
(17,774 real changes made, 17,774 to missing)
(19,575 real changes made, 19,575 to missing)
(19,575 real changes made, 19,575 to missing)
(43,957 real changes made, 43,957 to missing)
(0 real changes made)
(13,040 real changes made, 13,040 to missing)
(14,588 real changes made, 14,588 to missing)
(16,695 real changes made, 16,695 to missing)
(16,695 real changes made, 16,695 to missing)
(43,739 real changes made, 43,739 to missing)
(0 real changes made)
(10,866 real changes made, 10,866 to missing)
(12,036 real changes made, 12,036 to missing)
(14,421 real changes made, 14,421 to missing)
(14,421 real changes made, 14,421 to missing)
(43,549 real changes made, 43,549 to missing)
(0 real changes made)
(10,866 real changes made, 10,866 to missing)
(10,866 real changes made, 10,866 to missing)
(13,284 real changes made, 13,284 to missing)
(13,284 real changes made, 13,284 to missing)
(43,721 real changes made, 43,721 to missing)
(43,721 real changes made, 43,721 to missing)
(0 real changes made)
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(26,820 real changes made, 26,820 to missing)
(26,820 real changes made, 26,820 to missing)
(26,820 real changes made, 26,820 to missing)
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(26,820 real changes made, 26,820 to missing)
(0 real changes made)
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(0 real changes made)
(71 real changes made, 71 to missing)
(81 real changes made, 81 to missing)
(3 real changes made, 3 to missing)
(0 real changes made)
(43 real changes made, 43 to missing)
(0 real changes made)
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(0 real changes made)
(2,168 real changes made, 2,168 to missing)
(0 real changes made)
(734 real changes made, 734 to missing)
(0 real changes made)
(0 real changes made)
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(0 real changes made)
(0 real changes made)
(241 real changes made, 241 to missing)
(0 real changes made)
(0 real changes made)

(0 real changes made)
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(0 real changes made)
(5,661 real changes made, 5,661 to missing)
(1,527 real changes made, 1,527 to missing)
(2,014 real changes made, 2,014 to missing)
(2,639 real changes made, 2,639 to missing)
(1,083 real changes made, 1,083 to missing)
(3,241 real changes made, 3,241 to missing)
(0 real changes made)
(13,234 real changes made, 13,234 to missing)
(0 real changes made)
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(0 real changes made)
(33 real changes made, 33 to missing)
(33 real changes made, 33 to missing)
(59 real changes made, 59 to missing)
(123 real changes made, 123 to missing)
(51 real changes made, 51 to missing)
(61 real changes made, 61 to missing)
(125 real changes made, 125 to missing)
(53 real changes made, 53 to missing)
(40 real changes made, 40 to missing)
(95 real changes made, 95 to missing)
(37 real changes made, 37 to missing)
(16 real changes made, 16 to missing)
(37 real changes made, 37 to missing)
(12 real changes made, 12 to missing)
(78 real changes made, 78 to missing)
(78 real changes made, 78 to missing)
(62 real changes made, 62 to missing)
(43 real changes made, 43 to missing)
(43 real changes made, 43 to missing)
(33 real changes made, 33 to missing)
(45 real changes made, 45 to missing)
(45 real changes made, 45 to missing)
(29 real changes made, 29 to missing)
(132 real changes made, 132 to missing)
(132 real changes made, 132 to missing)
(105 real changes made, 105 to missing)
(24 real changes made, 24 to missing)
(24 real changes made, 24 to missing)
(21 real changes made, 21 to missing)
(31 real changes made, 31 to missing)
(31 real changes made, 31 to missing)
(26 real changes made, 26 to missing)
(35 real changes made, 35 to missing)
(35 real changes made, 35 to missing)
(29 real changes made, 29 to missing)
(0 real changes made)
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(5,640 real changes made, 5,640 to missing)
(46,571 real changes made, 46,571 to missing)
(46,571 real changes made, 46,571 to missing)
(46,571 real changes made, 46,571 to missing)
(46,571 real changes made, 46,571 to missing)
(46,571 real changes made, 46,571 to missing)
(46,571 real changes made, 46,571 to missing)
(46,571 real changes made, 46,571 to missing)
(46,571 real changes made, 46,571 to missing)
(0 real changes made)
(3,316 real changes made, 3,316 to missing)
(0 real changes made)
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(0 real changes made)
(0 real changes made)
(5,126 real changes made, 5,126 to missing)
(9 real changes made, 9 to missing)
(9 real changes made, 9 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(113 real changes made, 113 to missing)
(0 real changes made)
(28 real changes made, 28 to missing)
(0 real changes made)
(98 real changes made, 98 to missing)
(0 real changes made)
(0 real changes made)
(35 real changes made, 35 to missing)
(0 real changes made)
(0 real changes made)
(165 real changes made, 165 to missing)
(0 real changes made)
(0 real changes made)
(42 real changes made, 42 to missing)
(0 real changes made)
(28 real changes made, 28 to missing)
(0 real changes made)
(0 real changes made)
(42 real changes made, 42 to missing)
(0 real changes made)
(0 real changes made)
(32 real changes made, 32 to missing)
(0 real changes made)
(0 real changes made)
(122 real changes made, 122 to missing)
(0 real changes made)
(0 real changes made)
(19 real changes made, 19 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(60 real changes made, 60 to missing)
(114 real changes made, 114 to missing)
(18 real changes made, 18 to missing)
(142 real changes made, 142 to missing)
(0 real changes made)
(0 real changes made)
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(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(7,783 real changes made, 7,783 to missing)
(8,953 real changes made, 8,953 to missing)

416

```
418 gen howgetdoc=.
```

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

```

419 forvalues i=1/9 {
    2. replace howgetdoc=`i' if hwgtregd`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)

```

```

420 note howgetdoc: hwgtredd# used to create variable
421 note howgetdoc: How did you get a ride to the doctor; transportation method
422 note howgetdoc: Located in NHATS Setup, under Part 7.
423 note howgetdoc: Created: 04/05/18-MH

424
425 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"

426 label values howgetdoc howgetdoc

427
428
429 //note 11/14/17--add importance of activities
430 gen ind_imp_visit=.
(47,778 missing values generated)

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

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

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

434
435 replace ind_imp_visit=inlist(impvstfam,1,2)
(47,778 real changes made)

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

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

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

439
440 note ind_imp_visit: impvstfam (1=1,2) (0=3)

441 note ind_imp_visit: Very/somewhat important to visit friends/family in person
442 note ind_imp_relig: imprelser (1=1,2) (0=3)

443 note ind_imp_relig: Very/somewhat important to attend religious services
444 note ind_imp_club: impclub (1=1,2) (0=3)

445 note ind_imp_club: Very/somewhat important to participate in clubs, classes, o
> r other organized activities.

446 note ind_imp_goout: impouteny (1=1,2) (0=3)

```

```

447 note ind_imp_goout: Very/somewhat important to go out for enjoyment
448
449 foreach x in visit relig club goout{
450     2. note ind_imp_`x': Located in NHATS Setup, under Part 7.
451     3. note ind_imp_`x': Created: 04/05/18-MH
452     4. }
453
454 label var ind_imp_visit "Very/somewhat important to visit in person with friend
455 > ds/family"
456
457 label var ind_imp_relig "Very/somewhat important to attend religious services"
458
459 label var ind_imp_club "Very/somewhat important to participate in clubs, classes,
460 > es, etc."
461
462 label var ind_imp_goout "Very/somewhat important to go out for enjoyment"
463
464
465 foreach x in out insd bed eat bath toil dres {
466     2. gen device_`x'=.
467     3. }
468     (47,778 missing values generated)
469     (47,778 missing values generated)
470     (47,778 missing values generated)
471     (47,778 missing values generated)
472     (47,778 missing values generated)
473     (47,778 missing values generated)
474     (47,778 missing values generated)
475
476
477 label var device_out "Uses any assistive device for mobility outside"
478
479 label var device_ins "Uses any assistive device for mobility inside"
480
481 label var device_bed "Uses any assistive device to get out of bed"
482
483 label var device_eat "Uses any assistive device for eating"
484
485 label var device_bath "Uses any assistive device for bathing"
486
487 label var device_toil "Uses any assistive device for toileting"
488
489 label var device_dres "Uses any assistive device for dressing"
490
491 /*
492 > foreach x in eat bath toil dres {
493 >     gen device_`x'=.
494 >     label var device_`x' "Uses assistive device for `x'ing"
495 > }
496 > */
497
498 foreach x in out insd bed eat bath toil dres{
499     2. replace device_`x'=d`x'devi==2 if inlist(d`x'devi,1,2)
500     3. note device_`x': d`x'devi (2=1,2); derived variable
501     4. if "`x'"=="out"{
502     5.         note device_`x': Go outside using devices
503     6.     }
504     7. else if "`x'"=="insd"{
505     8.         note device_`x': Move inside with devices
506     9.     }
507    10. else if "`x'"=="bed"{
508    11.         note device_`x': Device used to get out of bed
509    12.     }
510    13. else if "`x'"=="eat"{
511    14.         note device_`x': Uses devices while eating
512    15.     }
513    16. else if "`x'"=="bath"{
514    17.         note device_`x': Uses devices while bathing
515    18.     }

```



```

19.         else if "`x'"=="toil"{
20.             note device_`x': Uses devices while toileting
21.         }
22.         else if "`x'"=="dres"{
23.             note device_`x': Uses devices while dressing
24.         }
25.         note device_`x': Located in NHATS Setup, under Part 7.
26.         note device_`x': Created: 04/05/18-MH
27.     }
(41,262 real changes made)
(41,867 real changes made)
(42,072 real changes made)
(44,491 real changes made)
(26,812 real changes made)
(44,371 real changes made)
(44,213 real changes made)

469
470 /*
> foreach x in eat bath toil dres {
>     replace device_`x'=d`x'devi==2 if inlist(d`x'devi,1,2)
> }
> */
471 replace device_bath=0 if dbathdevi==9
(17,217 real changes made)

472
473
474 gen device_any=0

475 foreach x in out ins bed eat bath toil dres {
2.     replace device_any=1 if device_`x'==1
3. }
(12,341 real changes made)
(1,015 real changes made)
(59 real changes made)
(264 real changes made)
(10,992 real changes made)
(6,735 real changes made)
(126 real changes made)

476 note device_any: Derived using device_ variables. 1 is any device used.
477 note device_any: Any devices used for ADL's.
478 note device_any: Located in NHATS Setup, under Part 7.
479 note device_any: Created: 04/05/18-MH

480
481 label var device_any "Uses any assistive device for ADLs"

482
483 rename drives dt drives //a drive flag exists in nhats

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

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

```

```

487
488 label var drives "Drives"

489
490 note drives: oftdrive (1=1,2,3,4) (0=5)

491 note drives: Did you ever drive.

492 note drives: Located in NHATS Setup, under Part 7.

493 note drives: Created: 04/05/18-MH

494
495 gen avoids=.
    (47,778 missing values generated)

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

497
498 local avoids avoidriv1 avoidriv2 avoidriv4

499
500 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)

501
502 label var avoids "Avoids driving alone/at night/in weather*"

503
504 note avoids: oftdrive avoidriv1 avoidriv2 avoidriv4

505 note avoids: a person drives and doesn't avoid driving.

506 note avoids: Located in NHATS Setup, under Part 7.

507 note avoids: Created: 04/05/18-MH

508
509 gen miss=0

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

511
512 replace ind_transp_disadv=0 if oftdrive==. | inlist(oftdrive,5,6)
    (19,187 real changes made)

513 local probs trkpfrvis trprrelsr trprkpfgr trprgoout

514 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)

```

[illegible]

```

536
537 replace getoplc3=0 if !missing(getoplc7) & missing(getoplc3)
    (35,030 real changes made)

538 forvalues x=1/7 {
    2.      replace get_places`x'=getoplc3`x'==1
    3.      replace get_places`x'=. if (inlist(getoplc7,-1,.) | getoplc3`x'==.
> )
    4.      label var get_places`x' "Get places: `lab`x'"
    5.      note get_places`x': getoplc3`x'
    6.      note get_places`x': `lab`x'' to get to places
    7.      note get_places`x': Located in NHATS Setup, under Part 7.
    8.      note get_places`x': Created: 04/05/18-MH
    9.      local l=`l'+1
    10.
539 }
    (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)

540
541 //marital status-3 vars: married, married_or_partnered
542
543 gen married=maritalstat==1 if maritalstat!=. //married
    (5,661 missing values generated)

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

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

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

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

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

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

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

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

```

```

552
553 label var married "Married"

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

555 label var marital_sep "Separated"

556 label var marital_div "Divorced"

557 label var marital_wid "Widowed"

558 label var marital_nev "Never married"

559 notes married : hhlmartlstat

560 notes married : "(Y/N)"

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

562 notes married : Updated: 04/05/18-MH

563
564 foreach x in marital_sep marital_div marital_wid marital_nev marriedpartnered
> marital_sd{
2. notes `x': martlstat dmarstat
3.     if "`x'"=="marital_sep"{
4.         notes `x': Seperated, marital status.
5.     }
6.     if "`x'"=="marital_div"{
7.         notes `x': Divorced, marital status.
8.     }
9.     if "`x'"=="marital_wid"{
10.        notes `x': Widowed, marital status.
11.    }
12.    if "`x'"=="marital_nev"{
13.        notes `x': Never Married, marital status.
14.    }
15.    if "`x'"=="marriedpartnered"{
16.        notes `x': Married or Living with a partner.
17.    }
18.    if "`x'"=="marital_sep"{
19.        notes `x': Seperated or Divorced, marital status.
20.    }
21. note `x': Located in NHATS Setup part 3 initial cleanup, part 7 final clean
> up.
22. note `x': Created: 04/05/18-MH
23. }

565
566 //lives with spouse
567 gen resspouse=.
    (47,778 missing values generated)

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

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

```

```

570
571 label var resspouse "Lives with Spouse/Partner"

572
573 //household members
574 gen hhm=.
    (47,778 missing values generated)

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

576
577 label var hhm "Number of household members"

578
579 //age categorical
580
581 sort spid wave

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

583 label var age "Sensitive: age"

584
585 gen agecat = .
    (47,778 missing values generated)

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

587
588 replace agecat=. if agecat==-1
    (0 real changes made)

589 label values agecat d2intvrage

590 label var agecat "Age, 5 yr categories"

591
592 //activities past month
593
594 gen attrelig=. //attend services
    (47,778 missing values generated)

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

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

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

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

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

```

```

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

601
602
603 replace attrelig=attrelser==1 if attrelser>0
    (47,778 real changes made)

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

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

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

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

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

609 //replace vigact=vigoractv==1 if vigoractv>0
610
611
612 gen religvimp=imprelig==1 if imprelig!=. //very important binary
    (5,827 missing values generated)

613
614 label var attrelig "Past mo. Attend religious services"

615 label var imprelig "Importance of religious services"

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

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

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

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

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

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

622
623 label values imprelig palimprelser

624 label values impvisit palimpvstfam

625 label values impclub palimparclub

626
627 //smokin'
628 gen smokedever=.
    (47,778 missing values generated)

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

```

```

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

631
632 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)

633
634 sort spid wave

635 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)

636 notes drop smokedever smoke_start_age smoke_stop_age
    (3 notes dropped)

637 rename smokesnow smokesnow_old

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

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

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

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

644
645 replace smokesnow=smokesnow_old==1 if smokesnow_old>0
    (47,778 real changes made)

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

647
648 replace smokedever=1 if smokesnow==1
    (512 real changes made)

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

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

```



```

651
652 label var smokedever "Ever smoked"

653 label var smokesnow "Smokes now"

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

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

656 label var smoke_start_age "Age started smoking"

657 label var smoke_stop_age "Age stopped smoking"

658
659 //pain
660 gen ind_pain=.
    (47,778 missing values generated)

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

662 label var ind_pain "Bothered by pain"

663
664 //weight
665
666 gen wgt_curr=.
    (47,778 missing values generated)

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

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

669
670 replace wgt_curr=currweigh if currweigh>0
    (41,141 real changes made)

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

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

673
674 label var wgt_curr "Current weight, lbs."

675 label var height_ft "Current height, feet"

676 label var height_in "Current height, inches"

677
678 gen bmi=(wgt_curr/((height_ft*12+height_in)^2))*703
    (11,007 missing values generated)

679
680 label var bmi "Current BMI"

```

```

681
682 //get the per round weight, cluster, and strata vars (and why is moved created
> like that?)
683 //gen moved=.
684 rename varunit varunit
    (all newnames==oldnames)

685 rename varstrat varstrat
    (all newnames==oldnames)

686 rename anfinwgt0 anfinwgt

687
688 /*
> 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
> }
> */
689 label var moved "Moved since last ivw"

690
691 *****
692 /*these are taken from Rebecca's code*/
693
694 gen community_dwelling = 0

695 gen SP_completed = 0

696 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)

697
698 gen nhres=dresid==4 if dresid!=. & wave==1
    (39,533 missing values generated)

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

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

```

```

701 gen sp_status=1
702 gen deceased=0
703 gen prob_dem=dem_3_cat==1 if !missing(dem_3_cat)
    (5,660 missing values generated)
704 label var prob_dem "Indicator probable dementia"
705
706 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)

707
708 note nhres : r*dresid
709 notes nhres : Resid=4,5,8
710 notes nhres : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7 header
711
712
713 replace sp_status=2 if res_care==1
    (5,953 real changes made)

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

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

716 label var sp_status "Residential status"

```

```

717 label var nhres "Nursing Home Resident"
718 label var rcfres "Residential Care, excl. NH"
719 label var res_care "Residential Care, incl. NH"
720 label define sp_status 1 "Non-res care community" 2 "Res-care not NH" 3 "NH re
    > sident" ///
    > 4 "Deceased"
721 label values sp_status sp_status
722
723 //these ADL variables were missing previously
724 gen adl_ins_help = .
    (47,778 missing values generated)
725 gen adl_ins_diff=.
    (47,778 missing values generated)
726 gen adl_ins_not_done=.
    (47,778 missing values generated)
727
728 replace adl_ins_help=1 if insdhlp==1
    (5,334 real changes made)
729 replace adl_ins_help=0 if insdhlp==2
    (38,745 real changes made)
730 replace adl_ins_help=0 if insdhlp==-1 & sp_ivw==1
    (0 real changes made)
731 replace adl_ins_help=-7 if insdhlp==-7
    (0 real changes made)
732 replace adl_ins_help=-8 if insdhlp==-8
    (0 real changes made)
733 replace adl_ins_diff=0 if insddif==1
    (33,656 real changes made)
734 replace adl_ins_diff=1 if insddif>1
    (14,122 real changes made)
735 replace adl_ins_diff=0 if insddif==-1 & sp_ivw==1
    (0 real changes made)
736 replace adl_ins_diff=-7 if insddif==-7
    (0 real changes made)
737 replace adl_ins_diff=-8 if insddif==-8
    (0 real changes made)
738 replace adl_ins_not_done=inlist(dinsdsfdf,1,8)
    (47,778 real changes made)
739
740
741 *replace adl_ins_dif=1 if adl_ins_help==1

```

```

742 label var adl_ins_help "Received help getting around inside"
743 notes adl_ins_help : mo*insdhlp
744 notes adl_ins_help : " "
745 notes adl_ins_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
    > header
746
747
748 gen adl_bed_help = .
    (47,778 missing values generated)
749 gen adl_bed_diff=.
    (47,778 missing values generated)
750 gen adl_bed_not_done=.
    (47,778 missing values generated)
751
752 replace adl_bed_help=1 if bedhlp==1
    (4,585 real changes made)
753 replace adl_bed_help=0 if bedhlp==2
    (39,793 real changes made)
754 replace adl_bed_help=0 if bedhlp==-1 & sp_ivw==1
    (0 real changes made)
755 replace adl_bed_help=-7 if bedhlp==-7
    (0 real changes made)
756 replace adl_bed_help=-8 if bedhlp==-8
    (0 real changes made)
757 replace adl_bed_diff=0 if beddif==1
    (32,871 real changes made)
758 replace adl_bed_diff=1 if beddif>1
    (14,907 real changes made)
759 replace adl_bed_diff=0 if beddif==-1 & sp_ivw==1
    (0 real changes made)
760 replace adl_bed_diff=-7 if beddif==-7
    (0 real changes made)
761 replace adl_bed_diff=-8 if beddif==-8
    (0 real changes made)
762 replace adl_bed_not_done=inlist(dbedsfdf,1,8)
    (47,778 real changes made)
763
764 label var adl_bed_help "Received help getting out of bed"
765 *replace adl_bed_diff=1 if adl_bed_help==1
766 notes adl_bed_help : mo*bedhlp

```

```

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

769
770
771 //construct date of ivw--use 1st of month for all, because only have mo & yr
772
773 merge 1:1 spid wave using `resttrack', keep(match) nogen

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

774 gen ivw_day=spstatdtdy

775 label define ivw_day 1 "Not provided"

776 label values ivw_day ivw_day

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

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

779 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)

```

```

780
781 replace ivw_month=r1fqstatdtmt if wave==1 & ivw_month==.
    (0 real changes made)

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

783
784
785 gen ivw_date=mdy(ivw_month,ivw_day,ivw_year)
    (2,971 missing values generated)

786 format ivw_date %td

787 label var ivw_date "Interview date from restricted tracker"

788
789 gen ivw_date_sens=mdy(ivw_month,1,ivw_year)

790 format ivw_date_sens %td

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

792
793 /// 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*/
794 //changes made 5/20/18
795
796         replace adl_dres_help=1 if dresoft==5
    (418 real changes made)

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

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

799
800
801 gen adl_index=0

802 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)

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

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

```

```

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

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

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

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

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

811 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. }

812 label var adl_independent "Independent in ADLs"

813 label var adl_impair "Help with 1+ ADL"

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

815
816 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. }

817
818
819 label var iadl_independent "Independent in IADLs"

820 label var iadl_impair "Help with 1+ IADL"

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

822
823 //addition of variables from Eric's homebound code
824 gen meals_wheels=.
    (47,778 missing values generated)

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

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

827
828
829 replace meals_wheels=dmealwhl
    (601 real changes made)

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

```



```

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

832 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)

833
834
835 label var meals_wheels "Meals on wheels"

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

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

838 //pull in date of death, constructed from claims and nhats
839 merge m:1 spid using "E:\nhats\data\NHATS CMS DUA 28016\Merged\Stata\death_dat
    > e.dta", nogen

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

840
841 gen died_12=mofd(death_date)-mofd(ivw_date)<=12

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

843 //note-the following has been superseded by the death date using claims
844 /*
    >
    > //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"
    > }*/

845
846 //update 8/2/17--pulled in nhats dod to share off server
847
848 //look at death month & year. don't have, so set date to last of month
849 gen dd=.
    (47,778 missing values generated)

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

```

```

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

852 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)

853
854 by spid, sort: egen nhats_death_date=max(dd)
    (37848 missing values generated)

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

856 format nhats_death_date %td

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

```

```

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

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

860
861 drop dd

862
863
864 gen eligible_nsoc=flldnsoc==1

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

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

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

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

869 label var complete "Sensitive: Completed Interview"

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

871
872 //adverse consequences of unmet need
873
874 gen adverse=0

875 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)

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

877
878 local ha laun shop meal bank

879 local sc eat bath toil dres

880 local mo out insd bed

881
882 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.      }
883 }
      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)

```

884

```

885 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)

```

886

```

887 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)

```

```

888
889 label var adverse_laun "Ever go w/o clean laundry"
890 label var adverse_shop "Ever go w/o groceries/personal items"
891 label var adverse_meal "Ever go w/o hot meal"
892 label var adverse_bank "Ever go w/o handling bills and banking matters"
893 label var adverse_eat "Ever go w/o eating"
894 label var adverse_bath "Ever go w/o showering/bath/washup"
895 label var adverse_toil "Ever go w/o using toilet"
896 label var adverse_dres "Ever go w/o getting dressed"
897 label var adverse_out "Ever go w/o going outside; stayed inside"
898 label var adverse_insd "Ever go w/o moving inside b/c unmet need"
899 label var adverse_bed "Ever go w/o leaving bed"

900
901 //limited favorite activity
902 capture drop lim_fav

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

904
905 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)

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

907
908
909 capture drop lim_fav_yr

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

911 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)

912
913 label var lim_fav_yr "Last year ever kept from favorite activity by health/fun
    > ction"

```

```

914
915
916 //social cohesion
917 gen cohesion_knowwell=.
    (47,778 missing values generated)

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

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

920
921 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)

922 rename cohesion_willnghlp cohesion_willing

923 rename cohesion_peoptrstd cohesion_peop

924
925 gen cohesion=(cohesion_p+cohesion_k+cohesion_w==3) ///
    > if !missing(cohesion_k) | !missing(cohesion_w) | !missing(cohesion_p)
    (5,935 missing values generated)

926
927 label var cohesion_knowwell "People know each other well in the community"

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

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

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

931 label values cohesion_* cohesion_

```

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

933

934 gen home_disorder_insd=.
(47,778 missing values generated)

935 gen home_disorder_outsd=.
(47,778 missing values generated)

936 gen home_disorder_area=.
(47,778 missing values generated)

937 gen home_disorder_clutter=.
(47,778 missing values generated)

938

939 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)

940 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)

941 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)


```

942 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)

943 /*
> //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'
> }
> */
944     egen insd=rowtotal(condihom*), m
(8877 missing values generated)

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

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

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

948
949
950     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)

951
952
953 label var home_disorder_insd "Disorder in home (peelng paint, pests, brkn furn
> iture or floorbrds, trippng hazards)"
note: label truncated to 80 characters

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

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

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

957
958 //rename finhlpfam finhlpfam_old
959 //rename fingftfam fingftfam_old

```

[illegible]

```

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

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

973
974
975 replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !missing(medbi
    > llsovertime) | !missing(medcreditdebt)
    (0 real changes made)

976
977 label var creditdebt "Has credit card debt or does not pay off in full monthly
    > "

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

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

980
981 drop finhlpfam fingftfam

982 rename finhlpfam_n finhlpfam

983 rename fingftfam_n fingftfam

984 //home ownership
985
986 local homevars ownhome rent mortgagepaidoff paysmortgage /*mortpaymt*/ ///
    > timeinmort owedonmort homevalue_n rentpaid section8

987
988 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)

989
990 label var ownhome "SP owns home"

991 label var rent "SP rents"

992 label var mortgagepaidoff "Mortgage is paid off"

993 label var mortpaymt "Mortgage payment"

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

```

```

995 label values mortpaymt mortpaymt
996 label var timeinmort "Time left in mortgage"
997 label define timeinmort 1 "5 years" 2 "10 years" 3 "Longer than 10 years"
998 label values timeinmort timeinmort
999 label var owedonmort "Amount left on mortgage"
1000label define owedonmort 1 "<$50,000" 2 "$50,000-99,999.99" 3 "$100,000+"
1001label values owedonmort owedonmort
1002label var homevalue "Home value"
1003label define homevalue_n 1 "<$50K" 2 "50-75K" 3 "75-100K" 4 "100-200K" 5 "200-
> 300K" ///
> 6 "300-500K" 7 "500-750K" 8 "$750K+"
1004label values homevalue_n homevalue_n
1005
1006forvalues w=1/$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.

```

1007tab 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)

1008

1009drop homevalue

1010rename homevalue_n homevalue

1011

1012label var rentpaid "Amount rent paid"

1013label define rentpaid 1 "<\$250" 2 "250-499" 3 "500-999" 4 "\$1000+"

1014label values rentpaid rentpaid

1015label var section8 "Indicator lives in Section 8 housing"

1016label var medcreditdebt "Has Medical credit card debt"

1017label var medbillsovertime "Pays Medical bills over time"

1018label var finhlpfam "Received financial help/gifts from family"

1019label var fingftfam "Provided financial help/gifts to family"

```

1020label var paysmortgage "Pays a mortgage"

1021gen n_social_network=.
    (47,778 missing values generated)

1022
1023replace n_social_network=dnumsn if dnumsn>=0
    (39,585 real changes made)

1024
1025label var n_social_network "Number in social network"

1026
1027gen division=.
    (47,778 missing values generated)

1028
1029replace division=dcensdiv if dcensdiv>0
    (47,777 real changes made)

1030
1031gen region=division
    (1 missing value generated)

1032recode region (1 2=1) (3 4=2) (5/7=3) (8 9=4)
    (region: 45410 changes made)

1033
1034la define region 1 "Northeast" 2 "Midwest" 3 "South" 4 "West"

1035label values region region

1036
1037capture gen northeast=0

1038capture gen midwest=0

1039capture gen south=0

1040capture gen west=0

1041
1042replace northeast=1 if region==1
    (8,357 real changes made)

1043replace midwest=1 if region==2
    (11,588 real changes made)

1044replace south=1 if region==3
    (18,751 real changes made)

1045replace west=1 if region==4
    (9,081 real changes made)

1046
1047/*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*
> */

```

```

1048//rename round*status r*status
1049
1050svyset varunit [pw=anfinwgt], strat(varstrat)
      pweight: anfinwgt
      VCE: linearized
Single unit: missing
Strata 1: varstrat
SU 1: varunit
FPC 1: <zero>

1051
1052sort spid wave

1053by spid: carryforward educ*, replace
education: (0 real changes made)
educ_hs_ind: (32766 real changes made)

1054label var educ_hs_ind "Education: HS+"

1055notes drop educ*
(3 notes dropped)

1056
1057//10/25/18--add in payer and other variables from Jenny's homebound project
1058preserve

1059/*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 launslf 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
> */

1060//note--as of now, doesn't include round 7
1061forvalues 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.
1062local 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.
1063foreach 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.
1064//for iadls, reason don't do alone b/c health/function or reported difficulty
> or went w/o
1065gen 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.
1066gen 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.
1067label var device_mobility "Uses a walker, wheelchair, or scooter inside or out
> side"
42.
1068keep spid wave *_jenny device_mobility `kidvars' ind_kids adlcount iadlcount
43.
1069tempfile kids`wave'
44. save `kids`wave''
45.
1070use "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.

```

```

1071rename 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.
1072
1073levelsof 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.
1074foreach 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.
1075
1076by 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.
1077duplicates drop
112. tempfile paid`wave'
113. save `paid`wave''
114.
1078use "E:\nhats\data\NHATS Cleaned\op_round_1_${w}" 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'`=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.
1079tempfile 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)
(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)
 note: label truncated to 80 characters
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 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)
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 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)
 (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)
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 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)
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 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)

(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)
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 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	
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(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
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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_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
```

```

1080
1081foreach 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

```

```

1082
1083restore

```

```

1084
1085merge 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)

```

1086merge 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)


```
1087merge 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)

```
1088
```

```
1089label var aveincome "Income"
```

```
1090label var residence "Type of residence"
```

```
1091drop 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* */
```

```
1092
```

```
1093foreach 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. }
```

```
1094
```

```
1095foreach 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. }
```

```
1096label var iadl_meds_diff "Difficulty taking meds last month"
```

```
1097label var iadl_meds_not "Didn't take meds or not by self in last month"
```

```
1098label var adl_ins_diff "Difficulty moving around inside by self in last month"
```

```
1099label var adl_ins_no "Didn't move around inside by self in last month"
```

```
1100label var adl_bed_dif "Difficulty getting out of bed by self in last month"
```

```
1101label var adl_bed_no "Didn't get out of bed by self in last month"
```

```
1102label var num_helpers_cat "Categorical number of helpers"
```

```
1103label var ivw_type "Type of interview"
```

```
1104label var income_cat "Categorical income"
```

```
1105label var trfinwgt "Tracker weight"
```

```
1106label var tr2011wgt "Tracker weight (2011 cohort)"
```

```
1107label var howgetdoc "Mode of transport to regular doctor"
```

```
1108label var ivw_day "Day of interview (Assigned to 1 for all)"
```

```
1109label var ivw_month "Month of interview"
```

```

1110label var ivw_year "Year of interview"
1111label var ivw_date "Date of interview (1st of the month assigned)"
1112label var community_dwelling "Community dwelling"
1113label var marital_sd "Separated or divorced"
1114label var iadl_diff_index "Count of IADL difficulties reported (missing coded
> as zero)"
1115label var iadl_diff_ind "Indicator of any IADL difficulty reported (missing co
> ded as zero)"
1116label var adl_diff_index "Count of IADL difficulties reported (missing coded a
> s zero)"
1117label var adl_diff_ind "Indicator of any IADL difficulty reported (missing cod
> ed as zero)"
1118label var nhats_death_day "Sensitive: Day of death from NHATS (Assigned to las
> t day of month)"
1119label var nhats_death_month "Sensitive: Month of death from NHATS"
1120label var nhats_death_year "Sensitive: Year of death from NHATS"
1121label var division "Census division"
1122label var region "Region"
1123label var ind_kids "Indicator any living children"
1124
1125rename adlcount adlcount_jenny
1126label var adlcount_j "ADL count: some/lot of difficulty or adverse consequence
> of unmet need"
1127rename iadlcount iadlcount_jenny
1128label var iadlcount_j "IADL count: some/lot of difficulty or adverse consequen
> ce of unmet need"
1129
1130// 11/8/18 Making National Estimates using 2011 population (using original wei
> ghts) Rds 1-4
1131rename anfinwgt old_anfinwgt
1132gen double anfinwgt=old_anfinwgt
1133replace anfinw=old_anfinwgt*5491440/4649902 if inrange(age,65,69) & female==0
> & inrange(wave,1,4)
(1,390 real changes made)
1134replace anfinw=old_anfinwgt*4087340/4097017 if inrange(age,70,74) & female==0
> & inrange(wave,1,4)
(2,322 real changes made)
1135replace anfinw=old_anfinwgt*3027820/3001146 if inrange(age,75,79) & female==0
> & inrange(wave,1,4)
(2,122 real changes made)

```

```

1136replace anfinw=old_anfinwgt*2169060/2173979 if inrange(age,80,84) & female==0
    > & inrange(wave,1,4)
    (2,039 real changes made)

1137replace anfinw=old_anfinwgt*1194880/1224397 if inrange(age,85,89) & female==0
    > & inrange(wave,1,4)
    (1,421 real changes made)

1138replace anfinw=old_anfinwgt*524540/463619 if inrange(age,90,150) & female==0 &
    > inrange(wave,1,4)
    (876 real changes made)

1139
1140replace anfinw=old_anfinwgt*6124980/5250466 if inrange(age,65,69) & female==1
    > & inrange(wave,1,4)
    (1,622 real changes made)

1141replace anfinw=old_anfinwgt*4781940/4843444 if inrange(age,70,74) & female==1
    > & inrange(wave,1,4)
    (2,749 real changes made)

1142replace anfinw=old_anfinwgt*3886940/3878674 if inrange(age,75,79) & female==1
    > & inrange(wave,1,4)
    (2,775 real changes made)

1143replace anfinw=old_anfinwgt*3249940/3215654 if inrange(age,80,84) & female==1
    > & inrange(wave,1,4)
    (3,027 real changes made)

1144replace anfinw=old_anfinwgt*2230480/2257969 if inrange(age,85,89) & female==1
    > & inrange(wave,1,4)
    (2,458 real changes made)

1145replace anfinw=old_anfinwgt*1382160/1329677 if inrange(age,90,150) & female==1
    > & inrange(wave,1,4)
    (2,362 real changes made)

1146
1147// Making National Estimates using 2015 population (using original weights) Rd
    > s 5-7
1148replace anfinw=old_anfinwgt*6855860/5671878 if inrange(age,65,69) & female==0
    > & inrange(wave,5,7)
    (1,033 real changes made)

1149replace anfinw=old_anfinwgt*4941100/5071147 if inrange(age,70,74) & female==0
    > & inrange(wave,5,7)
    (2,135 real changes made)

1150replace anfinw=old_anfinwgt*3367300/3524465 if inrange(age,75,79) & female==0
    > & inrange(wave,5,7)
    (1,927 real changes made)

1151replace anfinw=old_anfinwgt*2257880/2208455 if inrange(age,80,84) & female==0
    > & inrange(wave,5,7)
    (1,635 real changes made)

1152replace anfinw=old_anfinwgt*1307620/1358952 if inrange(age,85,89) & female==0
    > & inrange(wave,5,7)
    (1,266 real changes made)

```

```

1153replace anfinw=old_anfinwgt*648680/624319 if inrange(age,90,150) & female==0 &
> inrange(wave,5,7)
(835 real changes made)

1154
1155replace anfinw=old_anfinwgt*7601440/6226214 if inrange(age,65,69) & female==1
> & inrange(wave,5,7)
(1,162 real changes made)

1156replace anfinw=old_anfinwgt*5695060/6077509 if inrange(age,70,74) & female==1
> & inrange(wave,5,7)
(2,524 real changes made)

1157replace anfinw=old_anfinwgt*4182460/4196832 if inrange(age,75,79) & female==1
> & inrange(wave,5,7)
(2,495 real changes made)

1158replace anfinw=old_anfinwgt*3165560/3137807 if inrange(age,80,84) & female==1
> & inrange(wave,5,7)
(2,383 real changes made)

1159replace anfinw=old_anfinwgt*2253980/2157300 if inrange(age,85,89) & female==1
> & inrange(wave,5,7)
(2,018 real changes made)

1160replace anfinw=old_anfinwgt*1577880/1534438 if inrange(age,90,150) & female==1
> & inrange(wave,5,7)
(1,995 real changes made)

1161
1162// Making National Estimates using 2011 Population (2011 Weights) for Rds 5-7
1163rename an2011wgt old_an2011wgt

1164gen an2011wgt=old_an2011wgt
(25,856 missing values generated)

1165replace an2011wgt=old_an2011wgt*5491440/4649902 if inrange(age,65,69) & female
> ==0 & inrange(wave,5,7)
(16 real changes made)

1166replace an2011wgt=old_an2011wgt*4087340/4097017 if inrange(age,70,74) & female
> ==0 & inrange(wave,5,7)
(1,036 real changes made)

1167replace an2011wgt=old_an2011wgt*3027820/3001146 if inrange(age,75,79) & female
> ==0 & inrange(wave,5,7)
(1,028 real changes made)

1168replace an2011wgt=old_an2011wgt*2169060/2173979 if inrange(age,80,84) & female
> ==0 & inrange(wave,5,7)
(910 real changes made)

1169replace an2011wgt=old_an2011wgt*1194880/1224397 if inrange(age,85,89) & female
> ==0 & inrange(wave,5,7)
(749 real changes made)

1170replace an2011wgt=old_an2011wgt*524540/463619 if inrange(age,90,150) & female=
> =0 & inrange(wave,5,7)
(532 real changes made)

```

```

1171
1172replace an2011wgt=old an2011wgt*6124980/5250466 if inrange(age,65,69) & female
    > ==1 & inrange(wave,5,7)
    (20 real changes made)

1173replace an2011wgt=old an2011wgt*4781940/4843444 if inrange(age,70,74) & female
    > ==1 & inrange(wave,5,7)
    (1,195 real changes made)

1174replace an2011wgt=old an2011wgt*3886940/3878674 if inrange(age,75,79) & female
    > ==1 & inrange(wave,5,7)
    (1,350 real changes made)

1175replace an2011wgt=old an2011wgt*3249940/3215654 if inrange(age,80,84) & female
    > ==1 & inrange(wave,5,7)
    (1,369 real changes made)

1176replace an2011wgt=old an2011wgt*2230480/2257969 if inrange(age,85,89) & female
    > ==1 & inrange(wave,5,7)
    (1,285 real changes made)

1177replace an2011wgt=old an2011wgt*1382160/1329677 if inrange(age,90,150) & femal
    > e==1 & inrange(wave,5,7)
    (1,240 real changes made)

1178
1179label var anfinwgt "Updated Analytic Weights"

1180label var an2011wgt "Updated 2011 Analytic Weight for Rds 5+"

1181
1182notes anfinwgt : r*anfinwgt0

1183notes anfinwgt : Analytic final weight, post-stratified to most recent sample
    > frame as in the technical paper

1184notes anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
    > header

1185notes anfinwgt : "_"

1186notes anfinwgt : Freedman, VA and BC Spillman. Making National Estimates... NH
    > ATS Technical Paper#17.

1187
1188notes an2011wgt : r*an2011wgt0

1189notes an2011wgt : Analytic final weight, post-stratified to most 2011 sample f
    > rame as in the technical paper

1190notes an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
    > header

1191notes an2011wgt : "_"

1192notes an2011wgt : Freedman, VA and BC Spillman. Making National Estimates... N
    > HATS Technical Paper#17.

1193
1194notes old_anfinwgt : r*anfinwgt0

```

```

1195notes old_anfinwgt : Original analytic weight
1196notes old_anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
> p-7 header
1197notes old_anfinwgt : "_"
1198notes old_anfinwgt : Freedman, VA and BC Spillman. Making National Estimates..
> . NHATS Technical Paper#17.
1199
1200notes old_an201lwgt : r*an201lwgt0
1201notes old_an201lwgt : Original analytic weight for 2011 sample frame
1202notes old_an201lwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-7 header
1203notes old_an201lwgt : "_"
1204notes old_an201lwgt : Freedman, VA and BC Spillman. Making National Estimates.
> .. NHATS Technical Paper#17.
1205
1206
1207/*Add notes for raw variables or variables that were created in earlier header
> s*/
1208notes varstrat : r*varstrat
1209notes varunit : r*varunit
1210notes wave : "_"
1211notes wave : Wave assigned to round number
1212notes wave : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-1 head
> er
1213notes proxy_ivw : is*resptype
1214notes proxy_ivw : Is the interview a proxy? 1=yes
1215notes proxy_ivw : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
> header
1216notes age : r*dintvwrage r*ddeathage
1217notes age : Age at interview if living or death if LML
1218notes age : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 heade
> r
1219notes female : r*dgender
1220notes female : "_"
1221notes female : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 he
> ader
1222notes educ_hs_ind : el*higstschl

```

1223notes educ_hs_ind : Completed HS+ (includes GED)

1224notes educ_hs_ind : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step
> -3 header

1225notes white : rl*dracehisp

1226notes white : Non-Hispanic White

1227notes white : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 hea
> der

1228notes black : rl*dracehisp

1229notes black : Non-Hispanic Black

1230notes black : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 hea
> der

1231notes hisp : rl*dracehisp

1232notes hisp : Any Hispanic

1233notes hisp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 head
> er

1234notes other_race : rl*dracehisp

1235notes other_race : Any non-White, non-Black, non-Hispanic race

1236notes other_race : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-
> 1 header

1237notes medicaid : ip*cmedicaid

1238notes medicaid : "_"

1239notes medicaid : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
> header

1240notes medigap : ip*mgapmedsp

1241notes medigap : "_"

1242notes medigap : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 h
> eader

1243notes srh_fp : hc*health

1244notes srh_fp : SR health is poor or fair (as opposed to good, v. good, or exce
> llent)

1245notes srh_fp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-4 he
> ader

1246notes adl_eat_help : sc*eathelp

1247notes adl_eat_help : Help eating in the last month

1248notes adl_eat_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
> p-5 header

```

1249notes adl_bath_help : sc*bathhelp
1250notes adl_bath_help : Help bathing in the last month
1251notes adl_bath_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header
1252notes adl_toil_help : sc*toilhelp
1253notes adl_toil_help : Help toiling in the last month
1254notes adl_toil_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header
1255notes adl_dres_help : sc*dreshelp
1256notes adl_dres_help : Help dressing in the last month
1257notes adl_dres_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header
1258
1259
1260keep 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_crvovrnutrncancer_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

1261
1262
1263saveold "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

1264
1265gen time2d=mofd(nhats_death_date)-mofd(ivw_date)
(39,184 missing values generated)

1266
1267foreach 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.
1268}
(2,671 missing values generated)
(2,671 missing values generated)

1269
1270capture log close

```