STaTa®
Statistics/Data Analysis

```
--------------------------------------------------------------------------------
       name:  <unnamed>
        log:  E:\nhats\nhats_code\NHATS data setup\logs\6_nhats_cleaning_15_Apr_2
  > 019.smcl
   log type:  text
  opened on:  15 Apr 2019, 13:30:34

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(spid) 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_2775ac_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(spid) 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
   -----------------------------------------------------------------------------
```

```
21. label var metro_ind "Lives in metropolitan area"

22. note metro_ind: From metro non-metro file, r(wave)dmetnomet 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_2775ac_000002.tmp saved

29.
30. cd "${work}"
  E:\nhats\data\NHATS working data

31.
32. use round_1_$w_clean_helper_added.dta

33. merge 1:1 spid wave using `metro', keep(match master) nogen

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

        matched                            41,466
        -----------------------------------------

34.
35.
36. // 3/21/2019--Adding LM questions from LML interview section, P01 Aldridge
37.
38. gen qoc_lml_e=.
  (47,778 missing values generated)

39. replace qoc_lml_e=1 if ratecare==1
  (1,317 real changes made)

40. replace qoc_lml_e=0 if inrange(ratecare,2,5)
  (1,259 real changes made)

41. note qoc_lml_e: Quality of Care rated as excellent. Coming from LM11 (Waves 2+
  > )

42. note qoc_lml_e: Located in NHATS Setup, under Part 7.

43. note qoc_lml_e: Created: 3/21/19-MH

44. /*
  > gen qoc_lml=ratecare
  > replace qoc_lml=. if inlist(ratecare,-8,-7,-1,6)
  > */
45.
46. foreach x in pain bre sad{
    2. gen unmet_`x'_lml=.
    3. replace unmet_`x'_lml=0 if inrange(`x', 1, 2)
    4. replace unmet_`x'_lml=1 if (`x'==1 & `x'hlp==2) | (`x'==1 & `x'hlp==1 & `x'
  > hlpam==1)
    5. }
  (47,778 missing values generated)
  (2,403 real changes made)
  (270 real changes made)
  (47,778 missing values generated)
  (2,443 real changes made)
  (190 real changes made)
  (47,778 missing values generated)
  (2,334 real changes made)
```

```
    (432 real changes made)

47. note unmet_pain_lml: Unmet needs for pain management. Coming from LM1, LM1A, L
  > M1B (Waves 2+)

48. note unmet_pain_lml: Located in NHATS Setup, under Part 7.

49. note unmet_pain_lml: Created: 3/21/19-MH

50.
51. note unmet_bre_lml: Unmet needs for dyspnea (breathing) management. Coming fro
  > m LM2, LM2A, LM2B (Waves 2+)

52. note unmet_bre_lml: Located in NHATS Setup, under Part 7.

53. note unmet_bre_lml: Created: 3/21/19-MH

54.
55. note unmet_sad_lml: Unmet needs for sadness (anxiety) management. Coming from
  > LM3, LM3A, LM3B (Waves 2+)

56. note unmet_sad_lml: Located in NHATS Setup, under Part 7.

57. note unmet_sad_lml: Created: 3/21/19-MH

58.
59. foreach x in respect informed{
    2. gen `x'_lml=.
    3. replace `x'_lml=0 if inrange(`x', 1, 4)
    4. replace `x'_lml=1 if inrange(`x', 2,4)
    5. }
  (47,778 missing values generated)
  (2,558 real changes made)
  (273 real changes made)
  (47,778 missing values generated)
  (2,552 real changes made)
  (430 real changes made)

60.
61. note respect_lml: Not always treated with respect. Coming from LM7 (Waves 2+)

62. note respect_lml: Located in NHATS Setup, under Part 7.

63. note respect_lml: Created: 3/21/19-MH

64.
65. note informed_lml: Family not always informed for individuals condition. Comin
  > g from LM8 (Waves 2+)

66. note informed_lml: Located in NHATS Setup, under Part 7.

67. note informed_lml: Created: 3/21/19-MH

68.
69. foreach x in caredecis carenowan{
    2. gen `x'_lml=.
    3. replace `x'_lml=0 if inlist(`x', 1, 2)
    4. replace `x'_lml=1 if `x'==1
    5. }
  (47,778 missing values generated)
  (2,499 real changes made)
  (182 real changes made)
  (47,778 missing values generated)
  (2,493 real changes made)
  (231 real changes made)
```

```
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.
```

```
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(l
   > 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. }
```

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

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

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

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

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

```
124
125 // 8/10/2018 Add in 2011 weight for rd 5,6
126 rename an2011wgt0 an2011wgt

127 label var an2011wgt "2011 weights"
```

```
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{
  2.          replace serarmfor=1 if serarmfor==1 & wave==`w'
  3.          replace serarmfor=0 if serarmfor==2 & wave==`w'
  4.          replace serarmfor=. if serarmfor==-7 & wave==`w'
  5.          replace serarmfor=. if serarmfor==-8 & wave==`w'
  6. }
  (0 real changes made)
  (5,740 real changes made)
  (7 real changes made, 7 to missing)
  (74 real changes made, 74 to missing)
  (0 real changes made)
  (5,661 real changes made)
  (4 real changes made, 4 to missing)
  (185 real changes made, 185 to missing)

140 label var serarmfor "Served in Armed Forces"

141 sort spid wave

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

143 notes drop serarmfor
    (1 note dropped)

144 note serarmfor: Asked in rounds 1,5. Used serarmfor to find.

145 note serarmfor: Served in Arm Forces variable, carried previous value to new w
  > ave.

146 note formal_acp: Located in NHATS Setup, under Part 7.

147 note formal_acp: Created: 7/3/18-MH

148
149
150 //Add in 4/6/18
151 label var dresslf "Often you Dress Yourself"

152
153 label var dresdif "Difficulty when using Special Items by Self"

154
```

```
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)
```

```
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 hospice1 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 hospice1: hospice1 variable (0=2) (.=-1,-8)

194 note hospice1: Hospice at Nursing Home.

195 note hospice1: Located in NHATS Setup, under Part 7.

196 note hospice1: 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 hospice1 "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 //activities done twice (grip test, walk test..)
210
211 forvalues i=1/2{
    2. capture drop gripsc`i'
    3. rename grp`i'rdng gripsc`i'
    4. rename wlkc`i'secs walksec`i'
    5. rename wlk`i'hndr walkhndr`i'
    6.
212 replace gripsc`i'=. if inlist(gripsc`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)
```

```
213
214 label var gripsc1 "GRP1 Display Reading"

215 label var gripsc2 "GRP2 Display Reading"

216 label var walksec1 "Secs Hld Walking Course1"

217 label var walksec2 "Secs Hld Walking Course2"

218 label var walkhndr1 "Hnrds Hld Walking Course1"

219 label var walkhndr2 "Hnrds Hld Walking Course2"

220
221 foreach y in gripsc walksec walkhndr{
    2. foreach x in 1 2{
    3. note `y'`x': `y'`x' (.=-1,-7,-8,-9)
    4.
222 if "`y'"=="gripsc"{
    5. note gripsc`x': Grip Strength `x' Reading
    6. }
    7. else if "`y'"=="walksec"{
    8. note walksec`x': Walking Course Completion in Seconds place `x' Reading
    9. }
    10. else if "`y'"=="walkhndr"{
    11. note walkhndr`x': Walking Course Completion Hundredths place `x' Reading
    12. }
    13. note `y'`x': Located in NHATS Setup, under Part 7.
    14. note `y'`x': Created: 3/14/18-MH
    15. }
    16. }

223
224
225 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb{
    2. capture drop `x'
    3. gen `x'=.
    4. replace `x'=d`x' if  inlist( d`x', 0, 1, 2, 3, 4)
    5. }
  (47,778 missing values generated)
  (39,737 real changes made)
  (47,778 missing values generated)
  (39,737 real changes made)
  (47,778 missing values generated)
  (39,619 real changes made)
  (47,778 missing values generated)
  (39,619 real changes made)

226
227 label var origwksc "Original Walk Score"

228 label var nhatswksc "NHATS Walk Score"

229 label var nhatsgrav "NHATS Avg. Grip Score"

230 label var nhatsgrb "NHATS Best Grip Score"

231
232 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb{
    2. note `x': d`x' (.=-1,-9)
    3.
```

```
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
```

```
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 unwgtloss lowphysact

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

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

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

260 replace unwgtloss=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 unwgtloss "Unintentional Weight Loss"

265 label var lowphysact "Low Physical Activity"

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

268 note unwgtloss: 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"
```

```
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 unwgtloss 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)
  (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)

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: 04/05/19-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)
```

```
   (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. }
```

```
 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)
```

```
   (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' {
     2. label values `ew' mealskip
     3. }

363 rename mealskip1 mealskip

364
365 gen mealskipnum=.
   (47,778 missing values generated)

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

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

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

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

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

371
372
373 label var mealskipnum "How Often Meals Skipped"

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

375 label values mealskipnum mealskipnum1

376
377 note mealskipnum: mealskip2 mealskip1 (0=mealskip2 -1 & mealskip1 0) (1=4) (2=
  > 3) (3=2) (4=1)

378 note mealskipnum: How often are meals skipped

379 note mealskipnum: Located in NHATS Setup, under Part 7.

380 note mealskipnum: Created: 04/05/18-MH

381
382 ///// 12/5/17 --Adding in Cancer
  >
```

```
383 // recode hc1cancerty1 (-1 2=0) (-9 -8 =.), gen (sr_skincancer_had)
384
385 // From sensitive data, cancerty1 was from non-sensitive
386 //recode cancerty1 (-1 2=0) (-9 -8 =.), gen (sr_skincancer_had)
387 foreach x in sr_skincancer_had sr_breastcancer_had sr_prostatecancer_had sr_bl
  > addercancer_had ///
  > sr_crvovrnutrncancer_had sr_coloncancer_had sr_kidneycancer_had sr_othercancer
  > _had{
    2. gen `x'=.
    3. }
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)

388
389 replace sr_skincancer_had=cancerty1 if wave==1
  (8,245 real changes made)

390 replace sr_breastcancer_had=hc1cancerty2 if wave==1
  (8,245 real changes made)

391 replace sr_prostatecancer_had=hc1cancerty3 if wave==1
  (8,245 real changes made)

392 replace sr_bladdercancer_had=hc1cancerty4 if wave==1
  (8,245 real changes made)

393 replace sr_crvovrnutrncancer_had=hc1cancerty5 if wave==1
  (8,245 real changes made)

394 replace sr_coloncancer_had=hc1cancerty6 if wave==1
  (8,245 real changes made)

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

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

397
398 forvalues w=4/$w{
    2. replace sr_skincancer_had=cancerty1 if wave==`w'
    3. replace sr_breastcancer_had=hc`w'cancerty2 if wave==`w'
    4. replace sr_prostatecancer_had=hc`w'cancerty3 if wave==`w'
    5. replace sr_bladdercancer_had=hc`w'cancerty4 if wave==`w'
    6. replace sr_crvovrnutrncancer_had=hc`w'cancerty5 if wave==`w'
    7. replace sr_coloncancer_had=hc`w'cancerty6 if wave==`w'
    8. replace sr_kidneycancer_had=hc`w'cancerty7 if wave==`w'
    9. replace sr_othercancer_had=hc`w'cancerty8 if wave==`w'
   10. }
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (7,276 real changes made)
```

```
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)

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)
```

```
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)
 (2,969 real changes made, 2,969 to missing)
 (42,177 real changes made, 42,177 to missing)
 (42,177 real changes made, 42,177 to missing)
 (42,177 real changes made, 42,177 to missing)
 (42,177 real changes made, 42,177 to missing)
 (42,177 real changes made, 42,177 to missing)
 (42,177 real changes made, 42,177 to missing)
 (42,177 real changes made, 42,177 to missing)
 (0 real changes made)
 (2,671 real changes made, 2,671 to missing)
 (42,182 real changes made, 42,182 to missing)
 (42,259 real changes made, 42,259 to missing)
 (42,182 real changes made, 42,182 to missing)
 (34,518 real changes made, 34,518 to missing)
 (636 real changes made, 636 to missing)
 (1 real change made, 1 to missing)
 (5,640 real changes made, 5,640 to missing)
 (12,732 real changes made, 12,732 to missing)
 (5,673 real changes made, 5,673 to missing)
 (5,699 real changes made, 5,699 to missing)
 (5,718 real changes made, 5,718 to missing)
 (5,683 real changes made, 5,683 to missing)
 (5,685 real changes made, 5,685 to missing)
 (5,772 real changes made, 5,772 to missing)
 (5,664 real changes made, 5,664 to missing)
 (5,671 real changes made, 5,671 to missing)
 (5,701 real changes made, 5,701 to missing)
 (5,675 real changes made, 5,675 to missing)
 (5,680 real changes made, 5,680 to missing)
 (30,793 real changes made, 30,793 to missing)
 (15,940 real changes made, 15,940 to missing)
 (5,656 real changes made, 5,656 to missing)
 (5,673 real changes made, 5,673 to missing)
 (5,038 real changes made, 5,038 to missing)
 (5,782 real changes made, 5,782 to missing)
 (37,711 real changes made, 37,711 to missing)
 (5,026 real changes made, 5,026 to missing)
 (15,360 real changes made, 15,360 to missing)
 (14,933 real changes made, 14,933 to missing)
 (5,027 real changes made, 5,027 to missing)
 (16,415 real changes made, 16,415 to missing)
 (15,921 real changes made, 15,921 to missing)
 (5,037 real changes made, 5,037 to missing)
 (12,312 real changes made, 12,312 to missing)
 (12,541 real changes made, 12,541 to missing)
```

```
(5,031 real changes made, 5,031 to missing)
(16,068 real changes made, 16,068 to missing)
(15,564 real changes made, 15,564 to missing)
(5,037 real changes made, 5,037 to missing)
(15,144 real changes made, 15,144 to missing)
(14,803 real changes made, 14,803 to missing)
(5,668 real changes made, 5,668 to missing)
(5,707 real changes made, 5,707 to missing)
(34,745 real changes made, 34,745 to missing)
(10,681 real changes made, 10,681 to missing)
(33,720 real changes made, 33,720 to missing)
(5,939 real changes made, 5,939 to missing)
(5,860 real changes made, 5,860 to missing)
(5,841 real changes made, 5,841 to missing)
(5,910 real changes made, 5,910 to missing)
(5,943 real changes made, 5,943 to missing)
(5,957 real changes made, 5,957 to missing)
(5,790 real changes made, 5,790 to missing)
(37,656 real changes made, 37,656 to missing)
(44,080 real changes made, 44,080 to missing)
(3,888 real changes made, 3,888 to missing)
(42,366 real changes made, 42,366 to missing)
(35,214 real changes made, 35,214 to missing)
(43,990 real changes made, 43,990 to missing)
(10,788 real changes made, 10,788 to missing)
(42,070 real changes made, 42,070 to missing)
(4,475 real changes made, 4,475 to missing)
(41,977 real changes made, 41,977 to missing)
(27,637 real changes made, 27,637 to missing)
(27,612 real changes made, 27,612 to missing)
(47,287 real changes made, 47,287 to missing)
(45,078 real changes made, 45,078 to missing)
(5,629 real changes made, 5,629 to missing)
(27,333 real changes made, 27,333 to missing)
(5,671 real changes made, 5,671 to missing)
(5,640 real changes made, 5,640 to missing)
(5,640 real changes made, 5,640 to missing)
(662 real changes made, 662 to missing)
(14,698 real changes made, 14,698 to missing)
(16,105 real changes made, 16,105 to missing)
(5,640 real changes made, 5,640 to missing)
(5,640 real changes made, 5,640 to missing)
(5,640 real changes made, 5,640 to missing)
(5,640 real changes made, 5,640 to missing)
(8,193 real changes made, 8,193 to missing)
(45,363 real changes made, 45,363 to missing)
(5,679 real changes made, 5,679 to missing)
(41,246 real changes made, 41,246 to missing)
(5,691 real changes made, 5,691 to missing)
(45,728 real changes made, 45,728 to missing)
(45,761 real changes made, 45,761 to missing)
(45,252 real changes made, 45,252 to missing)
(45,257 real changes made, 45,257 to missing)
(13,091 real changes made, 13,091 to missing)
(30,153 real changes made, 30,153 to missing)
(30,155 real changes made, 30,155 to missing)
(30,166 real changes made, 30,166 to missing)
(46,422 real changes made, 46,422 to missing)
(5,659 real changes made, 5,659 to missing)
(5,669 real changes made, 5,669 to missing)
(5,998 real changes made, 5,998 to missing)
(5,999 real changes made, 5,999 to missing)
(5,720 real changes made, 5,720 to missing)
(5,689 real changes made, 5,689 to missing)
(8,659 real changes made, 8,659 to missing)
(45,591 real changes made, 45,591 to missing)
(46,943 real changes made, 46,943 to missing)
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(7,783 real changes made, 7,783 to missing)
(8,953 real changes made, 8,953 to missing)

```
        (11,505 real changes made, 11,505 to missing)
        (14,691 real changes made, 14,691 to missing)
        (9,248 real changes made, 9,248 to missing)
        (12,214 real changes made, 12,214 to missing)
        (0 real changes made)
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        (0 real changes made)
        (0 real changes made)

415
416
417 //how do you get to the doctor?
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 "Pulic 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(imparclub,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: imparclub (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{
    2. note ind_imp_`x': Located in NHATS Setup, under Part 7.
    3. note ind_imp_`x': Created: 04/05/19-MH
    4. }

450
451 label var ind_imp_visit "Very/somewhat important to visit in person with frien
  > ds/family"

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

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

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

455
456
457 foreach x in out insd bed eat bath toil dres {
    2.          gen device_`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)

458
459 label var device_out "Uses any assistive device for mobility outside"

460 label var device_ins "Uses any assistive device for mobility inside"

461 label var device_bed "Uses any assistive device to get out of bed"

462 label var device_eat "Uses any assistive device for eating"

463 label var device_bath "Uses any assistive device for bathing"

464 label var device_toil "Uses any assistive device for toileting"

465 label var device_dres "Uses any assistive device for dressing"

466
467 /*
  > foreach x in eat bath toil dres {
  >         gen device_`x'=.
  >         label var device_`x' "Uses assistive device for `x'ing"
  > }
  > */
468
469 foreach x in out insd bed eat bath toil dres{
    2.          replace device_`x'=d`x'devi==2 if inlist(d`x'devi,1,2)
    3.          note device_`x': d`x'devi (2=1,2); derived variable
    4.          if "`x'"=="out"{
    5.                  note device_`x': Go outside using devices
    6.          }
    7.          else if "`x'"=="insd"{
    8.                  note device_`x': Move inside with devices
    9.          }
   10.          else if "`x'"=="bed"{
   11.                  note device_`x': Device used to get out of bed
   12.          }
   13.          else if "`x'"=="eat"{
   14.                  note device_`x': Uses devices while eating
   15.          }
   16.          else if "`x'"=="bath"{
   17.                  note device_`x': Uses devices while bathing
```

```
  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)

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

473
474
475 gen device_any=0

476 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)

477 note device_any: Derived using device_ variables. 1 is any device used.

478 note device_any: Any devices used for ADL's.

479 note device_any: Located in NHATS Setup, under Part 7.

480 note device_any: Created: 04/05/18-MH

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

483
484 rename drives dtdrives //a drive flag exists in nhats

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

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

488
489 label var drives "Drives"

490
491 note drives: oftedrive (1=1,2,3,4) (0=5)

492 note drives: Did you ever drive.

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

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

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

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

498
499 local avoids avoidriv1 avoidriv2 avoidriv4

500
501 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)

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

504
505 note avoids: oftedrive avoidriv1 avoidriv2 avoidriv4

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

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

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

509
510 gen miss=0

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

512
513 replace ind_transp_disadv=0 if oftedrive==. | inlist(oftedrive,5,6)
   (19,187 real changes made)
```

```
514 local probs trkpfrvis trprrelsr trprkpfgr trprgoout

515 foreach x in `probs' {
    2. replace ind_transp_disadv=1 if `x'==1
    3. gen `x'2=`x'==1 if `x'>=0 & !missing(`x')
    4. replace `x'=`x'2
    5. drop `x'2
    6. replace miss=miss+1 if missing(`x')
    7. }
  (1,848 real changes made)
  (34,281 missing values generated)
  (11,649 real changes made)
  (34,281 real changes made)
  (1,005 real changes made)
  (34,296 missing values generated)
  (11,630 real changes made)
  (34,296 real changes made)
  (350 real changes made)
  (34,277 missing values generated)
  (11,960 real changes made)
  (34,277 real changes made)
  (264 real changes made)
  (34,275 missing values generated)
  (11,880 real changes made)
  (34,275 real changes made)

516
517 replace ind_transp_disadv=0 if !miss & missing(ind_transp_disadv)
  (0 real changes made)

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

519 label var ind_transp_disadv "Any transportation disadvantage"

520 drop miss

521
522 note ind_transp_disadv: oftedrive trkpfrvis trprrelsr trprkpfgr trprgoout

523 note ind_transp_disadv: Indicate any transportation disadvantage

524 note ind_transp_disadv: Located in NHATS Setup, under Part 7.

525 note ind_transp_disadv: Created: 04/05/18-MH

526
527 local lab1 Walked

528 local lab2 Got ride

529 local lab3 Van or shuttle provided by place of residence

530 local lab4 Van or shuttle for seniors

531 local lab5 Public transportation

532 local lab6 Taxi

533 local lab7 Other
```

```
534 local l=1

535
536 forvalues i=1/7 {
    2. gen get_places`i'=.
    3. }
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)

537
538 replace getoplcs3=0 if !missing(getoplcs7) & missing(getoplcs3)
  (35,030 real changes made)

539 forvalues x=1/7  {
    2.          replace get_places`x'=getoplcs`x'==1
    3.          replace get_places`x'=. if (inlist(getoplcs7,-1,.) | getoplcs`x'==.
  > )
    4.          label var get_places`x' "Get places: `lab`x''"
    5.          note get_places`x': getoplcs`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.
540 }
  (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)

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

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

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

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

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

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

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

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

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

553
554 label var married "Married"

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

556 label var marital_sep "Separated"

557 label var marital_div "Divorced"

558 label var marital_wid "Widowed"

559 label var marital_nev "Never married"

560 notes married : martlstat

561 notes married : (Y/N)

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

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

564
565 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. }
```

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

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

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

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

573 notes resspouse : livwthspo martlstat

574 notes resspouse : Living with spouse or partner (Y/N)

575 notes resspouse : Located in NHATS Setup, under Part 7.

576 notes resspouse : Updated: 04/08/19-MH

577
578 //household members
579 gen hhm=.
   (47,778 missing values generated)

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

581
582 label var hhm "Number of household members"

583 notes hhm : dhshldnum

584 notes hhm : Count of the number of household members.

585 notes hhm : Located in NHATS Setup, under Part 7.

586 notes hhm : Updated: 04/08/19-MH

587
588 //age categorical
589
590 sort spid wave

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

592 label var age "Sensitive: age"

593
594 gen agecat = .
   (47,778 missing values generated)

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

596 replace agecat=. if agecat==-1
   (0 real changes made)
```

```
597 label values agecat d2intvrage

598 label var agecat "Age, 5 yr categories"

599
600 notes agecat : d2intvrage (same)

601 notes agecat : Age cateory 65-59, 70-74, 75-79, 80-84, 85-89, 90+

602 notes agecat : Located in NHATS Setup, under Part 7.

603 notes agecat : Updated: 04/09/19-MH

604
605 //activities past month
606
607 gen attrelig=. //attend services
   (47,778 missing values generated)

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

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

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

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

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

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

614
615
616 replace attrelig=attrelser==1 if attrelser>0
   (47,778 real changes made)

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

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

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

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

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

622 //replace vigact=vigoractv==1 if vigoractv>0
623
624
```

```
625 gen religvimp=imprelig==1 if imprelig!=. //very important binary
   (5,827 missing values generated)
626
627 label var attrelig "Past mo. Attend religious services"

628 label var imprelig "Importance of religious services"

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

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

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

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

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

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

635
636 label values imprelig pa1imprelser

637 label values impvisit pa1impvstfam

638 label values impclub pa1imparclub

639
640 notes attrelig : attrelser (same)

641 notes attrelig : Ever attend religious services

642 notes attrelig : Located in NHATS Setup, under Part 7.

643 notes attrelig : Updated: 04/09/19-MH

644
645 notes imprelig : imprelser (same)

646 notes imprelig : How important are religious services, very, somewhat, or not
  > so important.

647 notes imprelig : Located in NHATS Setup, under Part 7.

648 notes imprelig : Updated: 04/09/19-MH

649
650 notes visitfrfam : visfrfam (same)

651 notes visitfrfam : Ever visit in person with friends or family, not living wit
  > h.

652 notes visitfrfam : Located in NHATS Setup, under Part 7.

653 notes visitfrfam : Updated: 04/09/19-MH

654
655 notes impvisit : impvstfam (same)

656 notes impvisit : How important to visit in person with friends or family not l
  > iving with.
```

657 notes impvisit : Located in NHATS Setup, under Part 7.

658 notes impvisit : Updated: 04/09/19-MH

659
660 notes attclub : clbmtgrac (same)

661 notes attclub : Ever participate in clubs, classes, or other organized activit
  > es.

662 notes attclub : Located in NHATS Setup, under Part 7.

663 notes attclub : Updated: 04/09/19-MH

664
665 notes vigact : vigoractv (same)

666 notes vigact : Ever spend time on vigorous activites that increased heart rate
  > . ///
  > Working out, swimming, running, biking, or any sport.

667 notes vigact : Located in NHATS Setup, under Part 7.

668 notes vigact : Updated: 04/09/19-MH

669
670
671 //smokin'
672 gen smokedever=.
  (47,778 missing values generated)

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

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

675
676 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)

677
678 sort spid wave

679 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)

680 notes drop smokedever smoke_start_age smoke_stop_age
    (3 notes dropped)

```
681 rename smokesnow smokesnow_old

682
683 notes smokedever: smokedreg

684 notes smokedever: Only in rounds 1,5. Ever smoke cigarettes regularly.

685
686 notes smoke_start_age: agesrtsmk

687 notes smoke_start_age: How old when first smoked, age.

688
689 notes smoke_stop_age: agelstsmk

690 notes smoke_stop_age: How old when last smoked cigarettes regularly.

691
692 foreach x in smokedever smoke_start_age smoke_stop_age{
   2. notes `x': Located in NHATS Setup, under Part 7.
   3. notes `x' : Updated: 04/10/19-MH
   4. }

693
694 gen smokesnow=.
  (47,778 missing values generated)

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

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

699
700 notes drop numcigsever
   (1 note dropped)

701
702 notes numcigsever: numcigday

703 notes numcigsever: Take max if they were a non-smoker.

704
705 gen numcigsnow=.
  (47,778 missing values generated)

706
707 replace smokesnow=smokesnow_old==1 if smokesnow_old>0
  (47,778 real changes made)

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

709
710 replace smokedever=1 if smokesnow==1
  (512 real changes made)
```

```
711 replace smokesnow=0 if smokedever==0
  (0 real changes made)

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

713
714 notes smokesnow: smokedever

715 notes smokesnow:
    (no note added)

716
717
718 label var smokedever "Ever smoked"

719 label var smokesnow "Smokes now"

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

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

722 label var smoke_start_age "Age started smoking"

723 label var smoke_stop_age "Age stopped smoking"

724
725 notes numcigsever: Located in NHATS Setup, under Part 7.

726 notes numcigsever: Updated: 04/10/19-MH

727
728 //pain
729 gen ind_pain=.
  (47,778 missing values generated)

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

731 label var ind_pain "Bothered by pain"

732
733 notes ind_pain: painbothr

734 notes ind_pain: Have been bothered by pain in the last month.

735 //weight
736
737 gen wgt_curr=.
  (47,778 missing values generated)

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

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

740
741 replace wgt_curr=currweigh if currweigh>0
  (41,141 real changes made)
```

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

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

744
745 label var wgt_curr "Current weight, lbs."

746 label var height_ft "Current height, feet"

747 label var height_in "Current height, inches"

748
749 notes wgt_curr: currweigh

750 notes wgt_curr: Current Weight in pounds.

751 notes height_ft: howtallft

752 notes height_ft: How tall in feet.

753 notes height_in: howtallin

754 notes height_in: How tall in inches, after feet.

755
756 gen bmi=(wgt_curr/((height_ft*12+height_in)^2))*703
    (11,007 missing values generated)

757
758 label var bmi "Current BMI"

759
760 notes bmi: wgt_curr height_ft height_in

761 notes bmi: Body Mass Index calculation from weight and height.

762
763 foreach x in wgt_curr height_ft height_in bmi{
  2. notes `x': Located in NHATS Setup, under Part 7.
  3. notes `x': Updated: 04/10/19-MH
  4. }

764
765 //get the per round weight, cluster, and strata vars (and why is moved created
  >  like that?)
766 //gen moved=.
767 rename varunit varunit
    (all newnames==oldnames)

768 rename varstrat varstrat
    (all newnames==oldnames)

769 rename anfinwgt0 anfinwgt

770
771 /*
  > 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
  > }
  > */
```

```
772 label var moved "Moved since last ivw"

773
774 *****************************************
775 /*these are taken from Rebecca's code*/
776
777 gen community_dwelling = 0

778 gen SP_completed = 0

779 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)

780 notes community_dwelling: dresid = 1,2

781 notes community_dwelling: In the community.

782
783 gen nhres=dresid==4 if dresid!=. & wave==1
  (39,533 missing values generated)

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

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

786 gen sp_status=1

787 gen deceased=0

788 gen prob_dem=dem_3_cat==1 if !missing(dem_3_cat)
  (5,660 missing values generated)

789 label var prob_dem "Indicator probable dementia"

790
791 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)

792
793 note nhres : dresid

794 notes nhres : Resid=4,5,8, Nursing Home.

795 notes nhres : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7 header

796
797 notes rcfres: dresid (2,3)

798 notes rcfres: Residential Care, excluding Nursing Home.

799
800 notes res_care: dresid (2-8)

801 notes res_care: Residential Care, excluding Nursing Home.

802
803 notes deceased: status 62 68

804 notes deceased: Died after round 1

805
806 notes prob_dem: dem_cat_3, sr_dementia_ever

807 notes prob_dem: Probable Dementia.

808
809 foreach x in community_dwelling rcfres res_care deceased prob_dem{
   2. notes `x': Located in NHATS Setup, under Part 7.
   3. notes `x': Updated: 04/10/19-MH
   4. }

810
811
812 replace sp_status=2 if res_care==1
  (5,953 real changes made)

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

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

815 label var sp_status "Residential status"

816 label var nhres "Nursing Home Resident"
```

```
817 label var rcfres "Residential Care, excl. NH"

818 label var res_care "Residential Care, incl. NH"

819 label define sp_status 1 "Non-res care community" 2 "Res-care not NH" 3 "NH re
  > sident" ///
  > 4 "Deceased"

820 label values sp_status sp_status

821
822 //these ADL variables were missing previously
823 gen adl_ins_help = .
  (47,778 missing values generated)

824 gen adl_ins_diff=.
  (47,778 missing values generated)

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

826
827 replace adl_ins_help=1 if insdhlp==1
  (5,334 real changes made)

828 replace adl_ins_help=0 if insdhlp==2
  (38,745 real changes made)

829 replace adl_ins_help=0 if insdhlp==-1 & sp_ivw==1
  (0 real changes made)

830 replace adl_ins_help=-7 if insdhlp==-7
  (0 real changes made)

831 replace adl_ins_help=-8 if insdhlp==-8
  (0 real changes made)

832 replace adl_ins_diff=0 if insddif==1
  (33,656 real changes made)

833 replace adl_ins_diff=1 if insddif>1
  (14,122 real changes made)

834 replace adl_ins_diff=0 if insddif==-1 & sp_ivw==1
  (0 real changes made)

835 replace adl_ins_diff=-7 if insddif==-7
  (0 real changes made)

836 replace adl_ins_diff=-8 if insddif==-8
  (0 real changes made)

837 replace adl_ins_not_done=inlist(dinsdsfdf,1,8)
  (47,778 real changes made)

838
839
840 *replace adl_ins_dif=1 if adl_ins_help==1
841 label var adl_ins_help "Received help getting around inside"
```

```
842 notes adl_ins_help : insdhlp

843 notes adl_ins_help : Anyone help you get arounbd inside house

844 notes adl_ins_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
  > header

845
846 notes adl_ins_diff: insddif

847 notes adl_ins_diff: How much difficulty getting around inside.

848 gen adl_bed_help = .
  (47,778 missing values generated)

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

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

851
852 replace adl_bed_help=1 if bedhlp==1
  (4,585 real changes made)

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

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

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

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

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

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

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

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

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

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

863
864 label var adl_bed_help "Received help getting out of bed"

865 *replace adl_bed_diff=1 if adl_bed_help==1
866 notes adl_bed_help : mo*bedhlp
```

```
867 notes adl_bed_help : "_"

868 notes adl_bed_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
  > header

869
870
871 //construct date of ivw--use 1st of month for all, because only have mo & yr
872
873 merge 1:1 spid wave using `resttrack', keep(match) nogen

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

874 gen ivw_day=spstatdtdy

875 label define ivw_day 1 "Not provided"

876 label values ivw_day ivw_day

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

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

879 forvalues w=1/$w {
    2.          replace ivw_month=r`w'spstatdtmt if wave==`w'
    3.          replace ivw_month=r`w'fqstatdtmt if wave==`w' & r`w'spstatdtmt==.
    4.          replace ivw_year=r`w'spstatdtyr if wave==`w'
    5.          replace ivw_year=201`w' if wave==`w' & r`w'spstatdtyr==.
    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)
```

```
880
881 replace ivw_month=r1fqstatdtmt if wave==1 & ivw_month==.
   (0 real changes made)

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

883
884
885 gen ivw_date=mdy(ivw_month,ivw_day,ivw_year)
   (2,971 missing values generated)

886 format ivw_date %td

887 label var ivw_date "Interview date from restricted tracker"

888
889 note ivw_date: ivw_month ivw_day ivw_year

890 note ivw_date: Interview date from the restricted file.

891
892 gen ivw_date_sens=mdy(ivw_month,1,ivw_year)

893 format ivw_date_sens %td

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

895
896 note ivw_date_sens: ivw_month ivw_year

897 note ivw_date_sens: Using only month and year, all dates put as first of the m
  > onth.

898
899 foreach x in ivw_date ivw_date_sens{
  2. notes `x': Located in NHATS Setup, under Part 7.
  3. notes `x': Updated: 04/10/19-MH
  4. }

900
901 /// 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*/
902 //changes made 5/20/18
903
904         replace adl_dres_help=1 if dresoft==5
   (418 real changes made)

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

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

907
908
909 gen adl_index=0
```

```
910 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)

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

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

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

915 gen iadl_index=iadl_laun_help+iadl_shop_help+iadl_bank_help+iadl_meal_help+iad
  > l_meds_help
  (5,848 missing values generated)

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

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

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

919 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. }

920 label var adl_independent "Independent in ADLs"

921 label var adl_impair "Help with 1+ ADL"

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

923
924 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. }

925
926 note adl_index: adl_*_help

927 note adl_index: Number of ADL's needing helped with.

928
929 note adl_independent: adl_index =0
```

```
930 note adl_independent: No ADL help for the individual.

931
932 note adl_impair: adl_index >0

933 note adl_impair: ADl help for the individual.

934
935 note iadl_index: iadl_*_help

936 note iadl_index: Number of IADL's needing helped with.

937
938 note iadl_independent: iadl_index =0

939 note iadl_independent: No IADL help for the individual.

940
941 note iadl_impair: iadl_index >0

942 note iadl_impair: IADl help for the individual.

943
944 label var iadl_independent "Independent in IADLs"

945 label var iadl_impair "Help with 1+ IADL"

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

947
948 foreach x in adl_index adl_independent adl_impair iadl_index iadl_independent
  > iadl_impair{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/10/19-MH
    4. }

949
950 //addition of variables from Eric's homebound code
951 gen meals_wheels=.
  (47,778 missing values generated)

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

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

954
955
956 replace meals_wheels=dmealwhl
  (601 real changes made)

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

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

959 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)
```

```
960
961 notes meals_wheels: dmealwhl

962 notes meals_wheels: Helper is meals on wheels

963
964 notes noone_talk: noonetalk

965 notes noone_talk: No one to talk to

966
967 notes restrnt_takeout: dmealtkot

968 notes restrnt_takeout: Helper is Restaurant takeout

969
970 foreach x in meals_wheels noone_talk restrnt_takeout{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/10/19-MH
    4. }

971
972 label var meals_wheels "Meals on wheels"

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

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

975 //pull in date of death, constructed from claims and nhats
976 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
    -----------------------------------------

977
978 gen died_12=mofd(death_date)-mofd(ivw_date)<=12

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

980
981 notes died_12: death_date ivw_date

982 notes died_12: death_date-ivw_date<=12

983
984 notes died_24: death_date ivw_date

985 notes died_24: death_date-ivw_date<=24

986
987 foreach x in died_12 died_24{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/10/19-MH
    4. }

988
```

```
989 //note-the following has been superseded by the death date using claims
990 /*
  >
  > //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"
  > }*/
991
992 //update 8/2/17--pulled in nhats dod to share off server
993
994 //look at death month & year. don't have, so set date to last of month
995 gen dd=.
  (47,778 missing values generated)

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


997
998 gen nhats_death_day=.
  (47,778 missing values generated)

999 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)

1000
1001by spid, sort: egen nhats_death_date=max(dd)
   (37848 missing values generated)

1002label var nhats_death_date "Sensitive: SP death date, from NHATS (day imputed)
   > "

1003format nhats_death_date %td

1004gen nhats_death_month=month(nhats_death_date)
   (37,848 missing values generated)

1005gen nhats_death_year=year(nhats_death_date)
   (37,848 missing values generated)

1006foreach x in month year {
     2. label var nhats_death_`x' "Sensitive: SP death `x', from NHATS"
     3. }

1007
1008notes nhats_death_date: pdmthdied nhats_death_day pdwyrdied

1009notes nhats_death_date: Death date from sensitive variables.

1010notes nhats_death_date: Located in NHATS Setup, under Part 7.

1011notes nhats_death_date: Updated: 04/11/19-MH

1012
1013drop dd

1014
1015gen eligible_nsoc=fl1dnsoc==1

1016gen completed_nsoc=fl1dnsoccomp>0 if fl1dnsoccomp!=.
   (37,686 missing values generated)

1017gen total_caregiver_comp=fl1dnsoccomp if fl1dnsoccomp>0 & fl1dnsoccomp!=.
   (41,834 missing values generated)

1018gen total_caregiver_elig=fl1dnsoccnt if fl1dnsoccnt>0 & fl1dnsoccnt!=.
   (37,686 missing values generated)

1019label var eligible  "Sensitive: Eligible for NSOC interview, wave 1 tracker"

1020label var complete  "Sensitive: Completed Interview"

1021label var total_caregiver_comp "Sensitive: Total Caregivers that Completed Int
   > erstatus"

1022
1023notes eligible_nsoc: fl1dnsoc
```

```
1024notes eligible_nsoc: Eligible for NSOC

1025
1026notes completed_nsoc: fl1dnsoccomp

1027notes completed_nsoc: Had an NSOC interview.

1028
1029notes total_caregiver_comp: fl1dnsoccomp

1030notes total_caregiver_comp: Count of caregivers NSOC.

1031
1032notes total_caregiver_elig: fl1dnsoccnt

1033notes total_caregiver_elig: Count of helpers eligible NSOC.

1034
1035foreach x in eligible_nsoc completed_nsoc total_caregiver_comp total_caregiver
  > _elig{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1036
1037//adverse consequences of unmet need
1038
1039gen adverse=0

1040forvalues 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)

1041label var adverse "Any adverse consequence of unmet need (excluding mobility)

1042
1043local ha laun shop meal bank

1044local sc eat bath toil dres

1045local mo out insd bed

1046
1047forvalues w=1/$w{
    2.          foreach x in `ha' `sc' `mo'{
    3.                  capture gen adverse_`x'=0
    4.                  replace adverse_`x'=1 if `x'wout==1 & wave==`w'
    5.
1048         }
    6. }
  (71 real changes made)
  (116 real changes made)
  (153 real changes made)
  (76 real changes made)
  (21 real changes made)
  (176 real changes made)
  (369 real changes made)
  (122 real changes made)
  (507 real changes made)
  (464 real changes made)
  (205 real changes made)
  (57 real changes made)
  (95 real changes made)
  (129 real changes made)
  (59 real changes made)
  (19 real changes made)
  (109 real changes made)
  (298 real changes made)
  (94 real changes made)
  (342 real changes made)
  (375 real changes made)
  (142 real changes made)
  (35 real changes made)
  (84 real changes made)
  (95 real changes made)
  (36 real changes made)
  (6 real changes made)
  (104 real changes made)
  (273 real changes made)
  (59 real changes made)
  (285 real changes made)
  (301 real changes made)
  (139 real changes made)
  (20 real changes made)
  (63 real changes made)
```

```
       (80 real changes made)
       (42 real changes made)
       (7 real changes made)
       (94 real changes made)
       (241 real changes made)
       (63 real changes made)
       (247 real changes made)
       (232 real changes made)
       (88 real changes made)
       (49 real changes made)
       (127 real changes made)
       (176 real changes made)
       (93 real changes made)
       (34 real changes made)
       (163 real changes made)
       (383 real changes made)
       (126 real changes made)
       (468 real changes made)
       (430 real changes made)
       (165 real changes made)
       (41 real changes made)
       (112 real changes made)
       (133 real changes made)
       (65 real changes made)
       (17 real changes made)
       (160 real changes made)
       (360 real changes made)
       (111 real changes made)
       (417 real changes made)
       (366 real changes made)
       (161 real changes made)
       (40 real changes made)
       (84 real changes made)
       (122 real changes made)
       (52 real changes made)
       (14 real changes made)
       (128 real changes made)
       (290 real changes made)
       (97 real changes made)
       (371 real changes made)
       (329 real changes made)
       (137 real changes made)

1049
1050label var adverse_laun "Ever go w/o clean laundry"

1051label var adverse_shop "Ever go w/o groceries/personal items"

1052label var adverse_meal "Ever go w/o hot meal"

1053label var adverse_bank "Ever go w/o handling bills and banking matters"

1054label var adverse_eat "Ever go w/o eating"

1055label var adverse_bath "Ever go w/o showering/bath/washup"

1056label var adverse_toil "Ever go w/o using toilet"

1057label var adverse_dres "Ever go w/o getting dressed"
```

1058label var adverse_out "Ever go w/o going outside; stayed inside"

1059label var adverse_insd "Ever go w/o moving inside b/c unmet need"

1060label var adverse_bed "Ever go w/o leaving bed"

1061
1062notes adverse: launwout shopwout mealwout bankwout eatwout bathwout toilwout d
  > reswout

1063notes adverse: Ever go without doing a task from the list.

1064notes adverse_laun: launwout

1065notes adverse_laun: Ever go without clean laundry, b/c too difficult or no one
  > there to help.

1066notes adverse_shop: shopwout

1067notes adverse_shop: Ever go without groceries/personal items, b/c too difficul
  > t or no one there to help.

1068notes adverse_meal: mealwout

1069notes adverse_meal: Ever go without hot meal, b/c too difficult or no one ther
  > e to help.

1070notes adverse_bank: bankwout

1071notes adverse_bank: Ever go without handling bills and banking matters, b/c to
  > o difficult or no one there to help.

1072notes adverse_eat: eatwout

1073notes adverse_eat: Ever go without eating, b/c too difficult or no one there t
  > o help.

1074notes adverse_bath: bathwout

1075notes adverse_bath: Ever go without showering/taking a bath/washing up, b/c to
  > o difficult or no one there to help.

1076notes adverse_toil: toilwout

1077notes adverse_toil: Ever wet/soil self b/c no help or too difficult to get to
  > toilet by self.

1078notes adverse_dres: dreswout

1079notes adverse_dres: Ever go without getting dressed, b/c too difficult or no o
  > ne there to help.

1080notes adverse_out: outwout

1081notes adverse_out: Ever go without leaving home/building, b/c too difficult or
  > no one there to help.

1082notes adverse_insd: insdwout

1083notes adverse_insd: Ever go without going into any places in home/building, b/
  > c too difficult or no one there to help.

```
1084notes adverse_bed: bedwout

1085notes adverse_bed: Ever go without leaving your bed, b/c too difficult or no o
  > ne there to help.

1086
1087foreach x in adverse adverse_laun adverse_shop adverse_meal adverse_bank adver
  > se_eat ///
  > adverse_bath adverse_toil adverse_dres adverse_out adverse_insd adverse_bed{
     2. notes `x': Located in NHATS Setup, under Part 7.
     3. notes `x': Updated: 04/11/19-MH
     4. }

1088
1089//limited favorite activity
1090capture drop lim_fav

1091gen lim_fav=.
  (47,778 missing values generated)

1092
1093forvalues 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)

1094label var lim_fav "Last month ever kept from favorite activity by health/funct
  > ion"

1095
1096capture drop lim_fav_yr

1097////NEW limited favorite activity
  > gen lim_fav_yr=.
  (47,778 missing values generated)

1098forvalues 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)

1099
1100label var lim_fav_yr "Last year ever kept from favorite activity by health/fun
  > ction"

1101
1102notes lim_fav: helmfvact

1103notes lim_fav: Did health or functioning ever keep you from favorite activity,
  >  last month

1104
1105notes lim_fav_yr: helmfvact

1106notes lim_fav_yr: Did health or functioning ever keep you from favorite activi
  > ty, last year.
```

```
1107
1108 foreach x in lim_fav lim_fav_yr {
    2.      notes `x': Located in NHATS Setup, under Part 7.
    3.      notes `x': Updated: 04/11/19-MH
    4. }

1109
1110
1111
1112//social cohesion
1113gen cohesion_knowwell=.
   (47,778 missing values generated)

1114gen cohesion_willnghlp=.
   (47,778 missing values generated)

1115gen cohesion_peoptrstd=.
   (47,778 missing values generated)

1116
1117forvalues 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)

1118rename cohesion_willnghlp cohesion_willing

1119rename cohesion_peoptrstd cohesion_peop

1120
1121gen cohesion=(cohesion_p+cohesion_k+cohesion_w==3) ///
  > if !missing(cohesion_k) | !missing(cohesion_w) | !missing(cohesion_p)
  (5,935 missing values generated)

1122
1123label var cohesion_knowwell "People know each other well in the community"

1124label var cohesion_w "People are willing to help each other in the commmunity"
```

```
1125label var cohesion_p "People can be trusted in the community"

1126label define cohesion_ 1 "Agree a lot" 2 "Agree a little" 3 "Do not agree"

1127label values cohesion_* cohesion_

1128label var cohesion "High community cohesion (Highest on all 3 statements)"

1129
1130notes cohesion_knowwell: knowwell

1131notes cohesion_knowwell: People in the community know each other well. Agree a
  >  lot, a little, do not agree.

1132notes cohesion_willing: willinghlp

1133notes cohesion_willing: People in the community are willing to help each other
  > . Agree a lot, a little, do not agree.

1134notes cohesion_knowwell: peoptrstd

1135notes cohesion_knowwell: People in the community can be trusted. Agree a lot,
  > a little, do not agree.

1136notes cohesion: knowwell willinghlp peoptrstd

1137notes cohesion: Agree a lot on all to get high community cohesion.

1138
1139 foreach x in cohesion_knowwell cohesion_willing cohesion_knowwell cohesion {
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1140
1141gen home_disorder_insd=.
  (47,778 missing values generated)

1142gen home_disorder_outsd=.
  (47,778 missing values generated)

1143gen home_disorder_area=.
  (47,778 missing values generated)

1144gen home_disorder_clutter=.
  (47,778 missing values generated)

1145
1146foreach 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)
```

```
1147foreach 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)

1148foreach 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)

1149foreach 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)

1150/*
  > //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'
  > }
  > */
1151        egen insd=rowtotal(condihom*), m
  (8877 missing values generated)

1152        egen outsd=rowtotal(condhome*), m
  (6069 missing values generated)

1153        egen area=rowtotal(areacond*), m
  (6056 missing values generated)

1154        egen clutter=rowtotal(clutter*), m
  (8877 missing values generated)
```

```
1155
1156
1157        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)

1158
1159notes home_disorder_outsd: condhome1 condhome2 condhome3 condhome4 condhome5 c
  > ondhome6

1160notes home_disorder_outsd: If "yes" to any problems, then flagged

1161notes home_disorder_area: areacond1 areacond2 areacond3 areacond4

1162notes home_disorder_area: If "yes" to any problems, then flagged

1163notes home_disorder_clutter: clutterr1 clutterr2

1164notes home_disorder_clutter: If "yes" to any problems, then flagged

1165notes home_disorder_insd: condihom1 condihom2 condihom3 condihom4 condihom5

1166notes home_disorder_insd: If "yes" to any problems, then flagged

1167
1168 foreach x in home_disorder_outsd home_disorder_area home_disorder_clutter hom
  > e_disorder_insd {
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1169
1170label var home_disorder_insd "Disorder in home (peelng paint, pests, brkn furn
  > iture or floorbrds, trippng hazards)"
  note: label truncated to 80 characters

1171label var home_disorder_outsd "Disorder outside (brkn windows, foundation, bri
  > cks/siding, roof, steps)"

1172label var home_disorder_clutter "Disorder in home (clutter in interview or oth
  > er rooms)"

1173label var home_disorder_area "Disorder in immed area (litter/glass/graffiti/va
  > cant houses/stores/foreclosures)"

1174
1175//rename finhlpfam finhlpfam_old
1176//rename fingftfam fingftfam_old
1177//economic well-being---look at this section for strangeness 3/1/19
1178foreach x in pycredbal crecardeb credcdmed amtcrdmed medpaovtm ampadovrt ///
  > whohelfi1 whohelfi2 atchhelyr whregoth1 whregoth2 ///
  > whregoth3 amthlpgiv progneed1 progneed2 progneed3 mealskip ///
  > mealskip2 nopayhous nopayutil nopaymed {
    2.          replace `x'=. if `x'<0
    3. }
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
  (0 real changes made)
```

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

1179
1180foreach x in creditdebt medcreditdebt medbillsovertime medpaynotcash ///
  > govtasst {
    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)

1181
1182replace creditdebt=inlist(pycredbal,2,3) | !missing(crecardeb) if ///
  >  !missing(pycredbal) | !missing(crecardeb)
  (40,518 real changes made)

1183replace medcreditdebt=credcdmed==1 if !missing(credcdmed)
  (8,071 real changes made)

1184replace medbillsovertime=medpaovtm==1 if !missing(medpaovtm)
  (40,680 real changes made)

1185replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !missing(medbi
  > llsovertime) | ///
  > !missing(medcreditdebt)
  (40,722 real changes made)

1186
1187gen finhlpfam_n=finhlpfam==1 if !missing(finhlpfam)
  (7,087 missing values generated)

1188gen fingftfam_n= fingftfam==1 if !missing(fingftfam)
  (7,352 missing values generated)

1189replace govtasst=progneed1==1 | progneed2==1 | progneed3==1 if !missing(progne
  > ed1) ///
  > | !missing(progneed2) | !missing(progneed3)
  (40,842 real changes made)

1190
1191
1192replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !missing(medbi
  > llsovertime) | !missing(medcreditdebt)
  (0 real changes made)

1193
1194label var creditdebt "Has credit card debt or does not pay off in full monthly
  > "

1195label var medpaynotcash "Has medical credit card debt or pays bills over time"
```

```
1196label var govtasst "Receives foodstamps or other food or gas/energy assistance
  > "

1197
1198notes creditdebt: pycredbal crecardeb

1199notes creditdebt: Have some balance on credit card.

1200notes medpaynotcash: credcdmed

1201notes medpaynotcash: Any amount owed on credit cards for medical care.

1202notes govtasst: progneed1 progneed2 progneed3

1203notes govtasst: Recieved food stamps, other food assistance, or gas energy ass
  > istance.

1204 foreach x in creditdebt medpaynotcash govtasst{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1205
1206drop finhlpfam fingftfam

1207rename finhlpfam_n finhlpfam

1208rename fingftfam_n fingftfam

1209
1210notes finhlpfam: finhlpfam

1211notes finhlpfam: Last year, you/spouse recieve any financial help or gifts fro
  > m children/relatives; ///
  > either regulary or as needed.

1212notes fingftfam: fingftfam

1213notes fingftfam: Last year, you/spouse give any financial help or gifts to chi
  > ldren/relatives; ///
  > either regulary or as needed.

1214 foreach x in finhlpfam fingftfam{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1215
1216//home ownership
1217
1218local homevars ownhome rent mortgagepaidoff paysmortgage /*mortpaymt*/ ///
  > timeinmort owedonmort homevalue_n rentpaid section8

1219
1220foreach 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)
```

```
1221
1222label var ownhome "SP owns home"

1223label var rent "SP rents"

1224label var mortgagepaidoff "Mortgage is paid off"

1225label var mortpaymt "Mortgage payment"

1226label define mortpaymt 1 "<$250" 2 "$250-499" 3 "$500-999" 4 "$1000+"

1227label values mortpaymt mortpaymt

1228label var timeinmort "Time left in mortgage"

1229label define timeinmort 1 "5 years" 2 "10 years" 3 "Longer than 10 years"

1230label values timeinmort timeinmort

1231label var owedonmort "Amount left on mortgage"

1232label define owedonmort 1 "<$50,000" 2 "$50,000-99,999.99" 3 "$100,000+"

1233label values owedonmort owedonmort

1234label var homevalue "Home value"

1235label 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+"

1236label values homevalue_n homevalue_n

1237
1238forvalues 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<=10000
  > 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.
1239tab 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 |    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
(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 |      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
(5,807 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 |
      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
   (5,093 real changes made)
```

1240
1241drop homevalue

1242rename homevalue_n homevalue

1243
1244notes ownhome: ownrentot

1245notes ownhome: Do you/spouse/partner own home (apartment/condo).

1246notes rent: ownrentot

1247notes rent: Do you/spouse/partner rent home (apartment/condo).

1248notes mortgagepaidoff: mrtpadoff

1249notes mortgagepaidoff: Is your/spouse/partner mortage paidoff.

1250notes paysmortgage: mrtpadoff

1251notes paysmortgage: Are you/spouse/partner still making mortgage payments.

```
1252notes mortpaymt: mthlymort

1253notes mortpaymt: How much monthly mortgage payment

1254notes owedonmort: amoutowed amtstlowe

1255notes owedonmort: Amount owed on mortgage.

1256notes homevalue: homvalamt

1257notes homevalue: What is the present value of the home. Amount if sold today.

1258notes rentpaid: rentamt

1259notes rentpaid: Rent paid each month.

1260notes section8: sec8pubsn

1261notes section8: Home in section 8 or public housing or housing for low-income
  > seniors.

1262 foreach x in ownhome rent mortgagepaidoff paysmortgage mortpaymt owedonmort h
  > omevalue rentpaid section8{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1263
1264label var rentpaid "Amount rent paid"

1265label define rentpaid 1 "<$250" 2 "250-499" 3 "500-999" 4 "$1000+"

1266label values rentpaid rentpaid

1267label var section8 "Indicator lives in Section 8 housing"

1268label var medcreditdebt "Has Medical credit card debt"

1269label var medbillsovertime "Pays Medical bills over time"

1270label var finhlpfam "Received financial help/gifts from family"

1271label var fingftfam "Provided financial help/gifts to family"

1272label var paysmortgage "Pays a mortgage"

1273gen n_social_network=.
  (47,778 missing values generated)

1274
1275replace n_social_network=dnumsn if dnumsn>=0
  (39,585 real changes made)

1276
1277label var n_social_network "Number in social network"

1278
1279gen division=.
  (47,778 missing values generated)
```

```
1280
1281replace division=dcensdiv if dcensdiv>0
  (47,777 real changes made)

1282
1283gen region=division
  (1 missing value generated)

1284recode region (1 2=1) (3 4=2) (5/7=3) (8 9=4)
  (region: 45410 changes made)

1285
1286la define region 1 "Northeast" 2 "Midwest" 3 "South" 4 "West"

1287label values region region

1288
1289capture gen northeast=0

1290capture gen midwest=0

1291capture gen south=0

1292capture gen west=0

1293
1294replace northeast=1 if region==1
  (8,357 real changes made)

1295replace midwest=1 if region==2
  (11,588 real changes made)

1296replace south=1 if region==3
  (18,751 real changes made)

1297replace west=1 if region==4
  (9,081 real changes made)

1298
1299notes division: dcensdiv

1300notes division: Census division

1301notes n_social_network: dnumsn

1302notes n_social_network: Number in social network

1303foreach x in northeast midwest south west{
    2. notes `x': dcensdiv
    3. notes `x': `x' census division
    4. }

1304foreach x in division n_social_network northeast midwest south west {
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1305/*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 el1* rl1* ia1* ep2* pd2* pd3* pd4* pd5* pd6* pd7* ia3* ia5* ia7*
  > */
```

```
1306//rename round*status r*status
1307
1308svyset varunit [pw=anfinwgt], strat(varstrat)

        pweight: anfinwgt
            VCE: linearized
    Single unit: missing
       Strata 1: varstrat
           SU 1: varunit
          FPC 1: <zero>

1309
1310sort spid wave

1311by spid: carryforward educ*, replace
   education:  (0 real changes made)
   educ_hs_ind:  (32766 real changes made)

1312label var educ_hs_ind "Education: HS+"

1313notes drop educ*
    (3 notes dropped)

1314
1315//10/25/18--add in payer and other variables from Jenny's homebound project
1316preserve

1317/*local mo outoft outcane outwalkr outwlchr outsctr outhlp outslf outdif outyr
  > go ///
  > outwout oftgoarea oflvslepr insdcane insdwalkr insdwlchr insdsctr oftholdwl //
  > /
  > insdhlp insdslf 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
  > */
1318//note--as of now, doesn't include round 7
1319forvalues 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.
1320local 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 (eatslfdif toiloft bathoft) (eatdif toilslf bathslf)
  18.
1321foreach 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.
1322//for iadls, reason don't do alone b/c health/function or reported difficulty
  > or went w/o
1323gen 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.
1324gen 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.
1325label var device_mobility "Uses a walker, wheelchair, or scooter inside or out
  > side"
  42.
1326keep spid wave *_jenny device_mobility `kidvars' ind_kids adlcount iadlcount
  43.
1327tempfile kids`wave'
  44. save `kids`wave''
  45.
1328use "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.
```

```
1329rename 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.
1330
1331levelsof 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.
1332foreach 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.
1333
1334by 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.
1335duplicates drop
  112. tempfile paid`wave'
  113. save `paid`wave''
  114.
1336use "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''hrs=total(``i''hrs) if ``i''_help_ind==1
  123.         label var tot_``i''hrs "Hours of help/week from ``i'' sources"
  124.         local ihelp `ihelp' ``i''_help_ind
  125.         local chelp `chelp' tot_``i''hrs
  126. }
  127. label var otherfamily_he "Has other family helper"
  128. label var otherinformal "Has non-family unpaid helper"
  129. label var tot_otherf "Hours of help/week from other family sources"
  130. label var tot_otheri "Hours of help/week from other unpaid sources"
  131. keep spid `chelp' `ihelp' wave
  132. duplicates drop
  133.
1337tempfile 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
  note: label truncated to 80 characters
  note: label truncated to 80 characters
  note: label truncated to 80 characters
  note: label truncated to 80 characters
  note: label truncated to 80 characters
  file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000004.tmp saved


              storage   display    value
  variable name  type    format    label      variable label
  ------------------------------------------------------------------------------
  op1sppayshlp   double  %12.0g    op1sppayshlp
                                           R1 HL6 SP PAYS FOR HELP
  op1govpayhlp   double  %12.0g    op1govpayhlp
                                           R1 HL6 GOVT PAYS FOR HELP
  op1inspayhlp   double  %12.0g    op1inspayhlp
                                           R1 HL6 INSUR PAYS FOR HELP
  op1othpayhlp   double  %12.0g    op1othpayhlp
                                           R1 HL6 OTHER PAYS FOR HELP
  op1payunit     double  %12.0g    op1payunit
                                           R1 HL7 PAYMENT UNIT
  op1hourlypay   double  %12.0g    op1hourlypay
                                           R1 HL7A HOURLY AMOUNT PAID
  op1weeklypay   double  %12.0g    op1weeklypay
                                           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_2775ac_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_2775ac_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_2775ac_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
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000008.tmp saved

              storage   display    value
variable name  type     format     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_2775ac_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)
(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_2775ac_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_2775ac_00000b.tmp saved
(915 missing values generated)
(915 real changes made, 915 to missing)
(922 real changes made, 922 to missing)
(0 real changes made)
(915 missing values generated)
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000c.tmp saved
```

```
              storage   display    value
variable name  type     format     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_2775ac_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_2775ac_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_2775ac_00000f.tmp saved
(700 missing values generated)
(700 real changes made, 700 to missing)
(705 real changes made, 705 to missing)
(0 real changes made)
(700 missing values generated)
note: label truncated to 80 characters
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note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000g.tmp saved
```

```
              storage   display    value
variable name   type    format     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_2775ac_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)
(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_2775ac_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_2775ac_00000j.tmp saved
(758 missing values generated)
(758 real changes made, 758 to missing)
(765 real changes made, 765 to missing)
(0 real changes made)
(758 missing values generated)
note: label truncated to 80 characters
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note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000k.tmp saved

              storage   display   value
variable name  type     format    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_2775ac_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_2775ac_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_2775ac_00000n.tmp saved
(866 missing values generated)
(866 real changes made, 866 to missing)
(877 real changes made, 877 to missing)
(0 real changes made)
(866 missing values generated)
note: label truncated to 80 characters
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note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000o.tmp saved

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

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

```
      R6 HL8 PROGRAM |
      PAID FOR HELPER |      Freq.      Percent        Cum.
------------------+----------------------------------------
             -8 DK |        66         0.13         0.13
             -7 RF |         1         0.00         0.13
    -1 Inapplicable |    50,859        99.38        99.52
        1 MEDICAID |        70         0.14        99.65
        2 MEDICARE |        28         0.05        99.71
    3 STATE PROGRAM |       106         0.21        99.91
91 OTHER (SPECIFY) |        44         0.09       100.00
------------------+----------------------------------------
            Total |    51,174       100.00
(49,903 missing values generated)
(49,903 missing values generated)
(49,903 missing values generated)
(49,903 missing values generated)
-8 -7 -1 1 2 3 91
(50,859 missing values generated)
(50,859 missing values generated)
(50,859 missing values generated)
(50,859 missing values generated)
(50,859 missing values generated)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_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_2775ac_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_2775ac_00000r.tmp saved
(746 missing values generated)
(746 real changes made, 746 to missing)
(748 real changes made, 748 to missing)
(0 real changes made)
(746 missing values generated)
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000s.tmp saved
```

```
              storage   display    value
variable name   type    format     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)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_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)
(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_2775ac_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_2775ac_00000v.tmp saved
```

```
1338
1339foreach 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_2775ac_00000w.tmp saved
  paid
  2
  3
  4
  5
  6
  paid
  file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000x.tmp saved
  kids
  2
  3
  4
  5
  6
  kids
  file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000010.tmp saved

1340
1341restore

1342
1343
1344
1345merge 1:1 spid wave using `kids', keep(match master) gen(kidm)
  (label cs1dnumchild already defined)
  (label ho1entrstair 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)
      -----------------------------------------

1346merge 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)
      -----------------------------------------
```

```
1347merge 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)
      -----------------------------------------

1348
1349
1350notes n_children: dnumchild

1351notes n_children: Number of children

1352notes stairs_ind: entrstair

1353notes stairs_ind: Entrance you use most often, are their stairs.

1354notes livesalone_ind: dhshldnum

1355notes livesalone_ind: total number in household.

1356notes ind_kids: dnumchild n_children

1357notes ind_kids: Indicator have children

1358foreach x in eat toil insd bed dres bath {
    2. notes `x'_jenny: `x'slf (3,4) `x'dif (3,4) `x'wout (1)
    3. notes `x'_jenny: ADL if did not do or rarely do, needed help, go without do
  > ing.
    4. notes `x'_jenny: Located in NHATS Setup, under Part 7.
    5. notes `x'_jenny: Updated: 04/11/19-MH
    6. }

1359notes adlcount: eat_jenny toil_jenny insd_jenny bed_jenny dres_jenny bath_jenn
  > y

1360notes adlcount: count of Jenny's ADL measures

1361foreach x in laun meds shop meal bank {
    2. notes `x'_jenny: `x'reas (1,3) `x'dif (3,4) `x'wout (1)
    3. notes `x'_jenny: ADL if did not do or rarely do, needed help, go without do
  > ing.
    4. notes `x'_jenny: Located in NHATS Setup, under Part 7.
    5. notes `x'_jenny: Updated: 04/11/19-MH
    6. }

1362notes iadlcount: laun_jenny meds_jenny shop_jenny meal_jenny bank_jenny

1363notes iadlcount: count of Jenny's IADL measures

1364notes device_mobility: insdwalk outwalk insdwl outwl insdsct outsct

1365notes device_mobility: If annswered most or everytime to having mobility devic
  > e for ///
  > question indicated.
```

1366notes any_paid_by_medicare: paid_by_gov_cat_2 from progmpaid

1367notes any_paid_by_medicare: Medicare program paid for helper.

1368notes any_paid_by_sp: paid_by_sp from sppayshlp

1369notes any_paid_by_sp: SP pays for help

1370notes any_paid_by_gov: paid_by_gov from govpayshlp

1371notes any_paid_by_gov: Government pays for help.

1372notes any_paid_by_ins: paid_by_ins from inspayshlp

1373notes any_paid_by_ins: Insurance pays for help.

1374notes any_paid_by_oth: paid_by_oth from othpayshlp

1375notes any_paid_by_oth: Other pays for help.

1376notes any_paid_by_unk: paid_by_sp paid_by_oth paid_by_gov paid_by_ins ///
  > paid_by_sp paid_by_oth paid_by_gov paid_by_ins

1377notes any_paid_by_unk: Unknown who pays for help.

1378notes otherfamily_help_ind: relat

1379notes otherfamily_help_ind: Other family helpers

1380notes spouse_help_ind: relat

1381notes spouse_help_ind: Spouse as helper.

1382notes daughter_help_ind: relat

1383notes daughter_help_ind: Daughter as helper

1384notes son_help_ind: relat

1385notes son_help_ind: Son as helper

1386notes daughter_help_ind: relat

1387notes daughter_help_ind: Daughter as helper

1388notes paid_help_ind: relat

1389notes paid_help_ind: Has paid helper

1390notes otherinformal: relat

1391notes otherinformal: Has other family helpers.

1392notes tot_otherfamilyhrs: hrswk

1393notes tot_otherfamilyhrs: Other family hours.

1394notes tot_otherinformalhrs: hrswk

1395notes tot_otherinformalhrs: From other unpaid sources.

```
1396
1397foreach x in n_children stairs_ind livesalone_ind ind_kids adlcount iadlcount
  > ///
  > device_mobility any_paid_by_medicare any_paid_by_sp any_paid_by_gov any_paid_b
  > y_ins ///
  > any_paid_by_oth any_paid_by_unk otherfamily_help_ind spouse_help_ind daughter_
  > help_ind ///
  > son_help_ind daughter_help_ind paid_help_ind otherinformal tot_otherfamilyhrs
  > tot_otherinformalhrs {
     2. notes `x': Located in NHATS Setup, under Part 7.
     3. notes `x': Updated: 04/12/19-MH
     4. }

1398
1399label var aveincome "Income"

1400label var residence "Type of residence"

1401drop 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* */

1402
1403foreach 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. }

1404
1405foreach 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. }

1406label var iadl_meds_diff "Difficulty taking meds last month"

1407label var iadl_meds_not "Didn't take meds or not by self in last month"

1408label var adl_ins_diff "Difficulty moving around inside by self in last month"

1409label var adl_ins_no "Didn't move around inside by self in last month"

1410label var adl_bed_dif "Difficulty getting out of bed by self in last month"

1411label var adl_bed_no "Didn't get out of bed by self in last month"

1412label var num_helpers_cat "Categorical number of helpers"

1413label var ivw_type "Type of interview"

1414label var income_cat "Categorical income"

1415label var trfinwgt "Tracker weight"

1416label var tr2011wgt "Tracker weight (2011 cohort)"

1417label var howgetdoc "Mode of transport to regular doctor"

1418label var ivw_day "Day of interview (Assigned to 1 for all)"
```

```
1419label var ivw_month "Month of interview"

1420label var ivw_year "Year of interview"

1421label var ivw_date "Date of interview (1st of the month assigned)"

1422label var community_dwelling "Community dwelling"

1423label var marital_sd "Separated or divorced"

1424label var iadl_diff_index "Count of IADL difficulties reported (missing coded
  > as zero)"

1425label var iadl_diff_ind "Indicator of any IADL difficulty reported (missing co
  > ded as zero)"

1426label var adl_diff_index "Count of IADL difficulties reported (missing coded a
  > s zero)"

1427label var adl_diff_ind "Indicator of any IADL difficulty reported (missing cod
  > ed as zero)"

1428label var nhats_death_day "Sensitive: Day of death from NHATS (Assigned to las
  > t day of month)"

1429label var nhats_death_month "Sensitive: Month of death from NHATS"

1430label var nhats_death_year "Sensitive: Year of death from NHATS"

1431label var division "Census division"

1432label var region "Region"

1433label var ind_kids "Indicator any living children"

1434
1435rename adlcount adlcount_jenny

1436label var adlcount_j "ADL count: some/lot of difficulty or adverse consequence
  >  of unmet need"

1437rename iadlcount iadlcount_jenny

1438label var iadlcount_j "IADL count: some/lot of difficulty or adverse consequen
  > ce of unmet need"

1439
1440notes adl_bed_diff: mo*beddif

1441notes adl_bed_diff: How much difficulty getting out of bed. Any difficulty fla
  > gged.

1442notes adl_ins_diff: mo*insddif

1443notes adl_ins_diff: How much difficulty getting around house. Any difficulty f
  > lagged.

1444notes adl_eat_diff: eatslfdif

1445notes adl_eat_diff: How much difficulty eating by yourself. Any difficulty fla
  > gged.
```

```
1446notes adl_bath_diff: sc*bathdif

1447notes adl_bath_diff: How much difficulty have bathing/showering. Any difficult
  > y flagged.

1448notes adl_toil_diff: sc*toildif

1449notes adl_toil_diff: How much difficulty using the toilet. Any difficulty flag
  > ged.

1450notes adl_dres_diff: sc*dresdif

1451notes adl_dres_diff: How much difficulty getting dressed. Any difficulty flagg
  > ed.

1452notes iadl_laun_diff: ha*laundif

1453notes iadl_laun_diff: How much difficulty doing laundry. Any difficulty flagge
  > d.

1454notes iadl_shop_diff: ha*shopdif

1455notes iadl_shop_diff: How much difficulty doing shop. Any difficulty flagged.

1456notes iadl_meal_diff: ha*dmealdif

1457notes iadl_meal_diff: How much difficulty shopping for groceries or personal i
  > tems. Any difficulty flagged.

1458notes iadl_bank_diff: ha*bankdif

1459notes iadl_bank_diff: How much difficulty doing banking and handling bills. An
  > y difficulty flagged.

1460notes iadl_meds_diff: mc*medsdif

1461notes iadl_meds_diff: How much difficulty keeping track of meds. Any difficult
  > y flagged.

1462
1463foreach x in adl_bed_diff adl_ins_diff adl_eat_diff adl_bath_diff adl_toil_dif
  > f adl_dres_diff ///
  > iadl_laun_diff iadl_shop_diff iadl_meal_diff iadl_bank_diff iadl_meds_diff{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/12/19-MH
    4. }

1464
1465// 11/8/18 Making National Estimates using 2011 population (using original wei
  > ghts) Rds 1-4
1466rename anfinwgt old_anfinwgt

1467gen double anfinwgt=old_anfinwgt

1468replace anfinw=old_anfinwgt*5491440/4649902 if inrange(age,65,69) & female==0
  > & inrange(wave,1,4)
  (1,390 real changes made)

1469replace anfinw=old_anfinwgt*4087340/4097017 if inrange(age,70,74) & female==0
  > & inrange(wave,1,4)
  (2,322 real changes made)
```

```
1470replace anfinw=old_anfinwgt*3027820/3001146 if inrange(age,75,79) & female==0
   > & inrange(wave,1,4)
   (2,122 real changes made)

1471replace anfinw=old_anfinwgt*2169060/2173979 if inrange(age,80,84) & female==0
   > & inrange(wave,1,4)
   (2,039 real changes made)

1472replace anfinw=old_anfinwgt*1194880/1224397 if inrange(age,85,89) & female==0
   > & inrange(wave,1,4)
   (1,421 real changes made)

1473replace anfinw=old_anfinwgt*524540/463619 if inrange(age,90,150) & female==0 &
   >  inrange(wave,1,4)
   (876 real changes made)

1474
1475replace anfinw=old_anfinwgt*6124980/5250466 if inrange(age,65,69) & female==1
   > & inrange(wave,1,4)
   (1,622 real changes made)

1476replace anfinw=old_anfinwgt*4781940/4843444 if inrange(age,70,74) & female==1
   > & inrange(wave,1,4)
   (2,749 real changes made)

1477replace anfinw=old_anfinwgt*3886940/3878674 if inrange(age,75,79) & female==1
   > & inrange(wave,1,4)
   (2,775 real changes made)

1478replace anfinw=old_anfinwgt*3249940/3215654 if inrange(age,80,84) & female==1
   > & inrange(wave,1,4)
   (3,027 real changes made)

1479replace anfinw=old_anfinwgt*2230480/2257969 if inrange(age,85,89) & female==1
   > & inrange(wave,1,4)
   (2,458 real changes made)

1480replace anfinw=old_anfinwgt*1382160/1329677 if inrange(age,90,150) & female==1
   >  & inrange(wave,1,4)
   (2,362 real changes made)

1481
1482// Making National Estimates using 2015 population (using original weights) Rd
   > s 5-7
1483replace anfinw=old_anfinwgt*6855860/5671878 if inrange(age,65,69) & female==0
   > & inrange(wave,5,7)
   (1,033 real changes made)

1484replace anfinw=old_anfinwgt*4941100/5071147 if inrange(age,70,74) & female==0
   > & inrange(wave,5,7)
   (2,135 real changes made)

1485replace anfinw=old_anfinwgt*3367300/3524465 if inrange(age,75,79) & female==0
   > & inrange(wave,5,7)
   (1,927 real changes made)

1486replace anfinw=old_anfinwgt*2257880/2208455 if inrange(age,80,84) & female==0
   > & inrange(wave,5,7)
   (1,635 real changes made)
```

```
1487replace anfinw=old_anfinwgt*1307620/1358952 if inrange(age,85,89) & female==0
   > & inrange(wave,5,7)
     (1,266 real changes made)

1488replace anfinw=old_anfinwgt*648680/624319 if inrange(age,90,150) & female==0 &
   >  inrange(wave,5,7)
     (835 real changes made)

1489
1490replace anfinw=old_anfinwgt*7601440/6226214 if inrange(age,65,69) & female==1
   > & inrange(wave,5,7)
     (1,162 real changes made)

1491replace anfinw=old_anfinwgt*5695060/6077509 if inrange(age,70,74) & female==1
   > & inrange(wave,5,7)
     (2,524 real changes made)

1492replace anfinw=old_anfinwgt*4182460/4196832 if inrange(age,75,79) & female==1
   > & inrange(wave,5,7)
     (2,495 real changes made)

1493replace anfinw=old_anfinwgt*3165560/3137807 if inrange(age,80,84) & female==1
   > & inrange(wave,5,7)
     (2,383 real changes made)

1494replace anfinw=old_anfinwgt*2253980/2157300 if inrange(age,85,89) & female==1
   > & inrange(wave,5,7)
     (2,018 real changes made)

1495replace anfinw=old_anfinwgt*1577880/1534438 if inrange(age,90,150) & female==1
   >  & inrange(wave,5,7)
     (1,995 real changes made)

1496
1497// Making National Estimates using 2011 Population (2011 Weights) for Rds 5-7
1498rename an2011wgt old_an2011wgt

1499gen an2011wgt=old_an2011wgt
     (25,856 missing values generated)

1500replace an2011wgt=old_an2011wgt*5491440/4649902 if inrange(age,65,69) & female
   > ==0 & inrange(wave,5,7)
     (16 real changes made)

1501replace an2011wgt=old_an2011wgt*4087340/4097017 if inrange(age,70,74) & female
   > ==0 & inrange(wave,5,7)
     (1,036 real changes made)

1502replace an2011wgt=old_an2011wgt*3027820/3001146 if inrange(age,75,79) & female
   > ==0 & inrange(wave,5,7)
     (1,028 real changes made)

1503replace an2011wgt=old_an2011wgt*2169060/2173979 if inrange(age,80,84) & female
   > ==0 & inrange(wave,5,7)
     (910 real changes made)

1504replace an2011wgt=old_an2011wgt*1194880/1224397 if inrange(age,85,89) & female
   > ==0 & inrange(wave,5,7)
     (749 real changes made)
```

```
1505replace an2011wgt=old_an2011wgt*524540/463619 if inrange(age,90,150) & female=
  > =0 & inrange(wave,5,7)
   (532 real changes made)

1506
1507replace an2011wgt=old_an2011wgt*6124980/5250466 if inrange(age,65,69) & female
  > ==1 & inrange(wave,5,7)
   (20 real changes made)

1508replace an2011wgt=old_an2011wgt*4781940/4843444 if inrange(age,70,74) & female
  > ==1 & inrange(wave,5,7)
   (1,195 real changes made)

1509replace an2011wgt=old_an2011wgt*3886940/3878674 if inrange(age,75,79) & female
  > ==1 & inrange(wave,5,7)
   (1,350 real changes made)

1510replace an2011wgt=old_an2011wgt*3249940/3215654 if inrange(age,80,84) & female
  > ==1 & inrange(wave,5,7)
   (1,369 real changes made)

1511replace an2011wgt=old_an2011wgt*2230480/2257969 if inrange(age,85,89) & female
  > ==1 & inrange(wave,5,7)
   (1,285 real changes made)

1512replace an2011wgt=old_an2011wgt*1382160/1329677 if inrange(age,90,150) & femal
  > e==1 & inrange(wave,5,7)
   (1,240 real changes made)

1513
1514label var anfinwgt "Updated Analytic Weights"

1515label var an2011wgt "Updated 2011 Analytic Weight for Rds 5+"

1516
1517notes anfinwgt : r*anfinwgt0

1518notes anfinwgt : Analytic final weight, post-stratified to most recent sample
  > frame as in the technical paper

1519notes anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
  > header

1520notes anfinwgt : "_"

1521notes anfinwgt : Freedman, VA and BC Spillman. Making National Estimates... NH
  > ATS Technical Paper#17.

1522
1523notes an2011wgt : r*an2011wgt0

1524notes an2011wgt : Analytic final weight, post-stratified to most 2011 sample f
  > rame as in the technical paper

1525notes an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
  >  header

1526notes an2011wgt : "_"

1527notes an2011wgt : Freedman, VA and BC Spillman. Making National Estimates... N
  > HATS Technical Paper#17.
```

1528
1529notes old_anfinwgt : r*anfinwgt0

1530notes old_anfinwgt : Original analytic weight

1531notes old_anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
  > p-7 header

1532notes old_anfinwgt : "_"

1533notes old_anfinwgt : Freedman, VA and BC Spillman. Making National Estimates..
  > . NHATS Technical Paper#17.

1534
1535notes old_an2011wgt : r*an2011wgt0

1536notes old_an2011wgt : Original analytic weight for 2011 sample frame

1537notes old_an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
  > ep-7 header

1538notes old_an2011wgt : "_"

1539notes old_an2011wgt : Freedman, VA and BC Spillman. Making National Estimates.
  > .. NHATS Technical Paper#17.

1540
1541
1542/*Add notes for raw variables or variables that were created in earlier header
  > s*/
1543notes varstrat : r*varstrat

1544notes varunit : r*varunit

1545notes wave : "_"

1546notes wave : Wave assigned to round number

1547notes wave : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-1 head
  > er

1548notes proxy_ivw : is*resptype

1549notes proxy_ivw : Is the interview a proxy? 1=yes

1550notes proxy_ivw : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
  > header

1551notes age : r*dintvwrage r*ddeathage

1552notes age : Age at interview if living or death if LML

1553notes age : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 heade
  > r

1554notes female : r*dgender

1555notes female : "_"

1556notes female : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 he
  > ader

1557notes educ_hs_ind : el*higstschl

1558notes educ_hs_ind : Completed HS+ (includes GED)

1559notes educ_hs_ind : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step
  > -3 header

1560notes white : rl*dracehisp

1561notes white : Non-Hispanic White

1562notes white : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 hea
  > der

1563notes black : rl*dracehisp

1564notes black : Non-Hispanic Black

1565notes black : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 hea
  > der

1566notes hisp : rl*dracehisp

1567notes hisp : Any Hispanic

1568notes hisp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 head
  > er

1569notes other_race : rl*dracehisp

1570notes other_race : Any non-White, non-Black, non-Hispanic race

1571notes other_race : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-
  > 1 header

1572notes medicaid : ip*cmedicaid

1573notes medicaid : "_"

1574notes medicaid : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
  > header

1575notes medigap : ip*mgapmedsp

1576notes medigap : "_"

1577notes medigap : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 h
  > eader

1578notes srh_fp : hc*health

1579notes srh_fp : SR health is poor or fair (as opposed to good, v. good, or exce
  > llent)

1580notes srh_fp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-4 he
  > ader

1581notes adl_eat_help : sc*eathelp

1582notes adl_eat_help : Help eating in the last month

1583notes adl_eat_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
  > p-5 header

1584notes adl_bath_help : sc*bathhelp

1585notes adl_bath_help : Help bathing in the last month

1586notes adl_bath_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
  > ep-5 header

1587notes adl_toil_help : sc*toilhelp

1588notes adl_toil_help : Help toiling in the last month

1589notes adl_toil_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
  > ep-5 header

1590notes adl_dres_help : sc*dreshelp

1591notes adl_dres_help : Help dresing in the last month

1592notes adl_dres_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
  > ep-5 header

1593
1594
1595keep spid old_anfinwgt varstrat varunit wave yearsample r7status r6status r5st
  > atus r4status r3status r2status r1status 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_inc1 ///
  > 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 hospiceml gripsc1 walksec1 walkhndr1 gripsc2 wal
  > ksec2 walkhndr2 origwksc nhatswksc nhatsgrav nhatsgrb lst10pnds trytolose evrg
  > owalk vigoractv ///
  > unwgtloss lowphysact lowenergy oftcheer oftbored 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 an2011wgt death_* died_12 die
> d_24 *_lml qoc_lml_e

1596
1597
1598saveold "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

1599
1600gen time2d=mofd(nhats_death_date)-mofd(ivw_date)
  (39,184 missing values generated)

1601
1602foreach 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.
1603}
  (2,671 missing values generated)
  (2,671 missing values generated)

1604
1605capture log close
```