



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\1-combine_waves_6_Mar_20
> 19.smcl
      log type:  text
      opened on:   6 Mar 2019, 16:19:03

```

```

1 .
2 .
3 . /*Combines rounds 1 and 2 sample person SP interview files,
> sensitive demo files and the round 2 cumulative tracker file case
> status 1 into a single file
>
> Data format is multiple observations per subject, one for each round
> */
4 . *****
5 .
6 . forvalues w=1/$w {
7 .   2. //round w
7 .   use "${r`w'raw}\NHATS_Round_`w'_SP_File.dta"
7 .   3. //check to make sure sample ids are unique
8 .   sort spid
4 .   4. quietly by spid: gen dup = cond(_N==1,0,_n)
5 .   5. tab dup
6 .   6. capture gen wave=`w'
7 .   7. la var wave "Survey wave"
8 .   8. save round_`w'_1.dta, replace
9 .   9. clear
10 . 10. }

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      8,245      100.00     100.00
-----+-----
      Total |      8,245      100.00
file round_1_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      7,075      100.00     100.00
-----+-----
      Total |      7,075      100.00
file round_2_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      5,799      100.00     100.00
-----+-----
      Total |      5,799      100.00
file round_3_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      4,737      100.00     100.00
-----+-----
      Total |      4,737      100.00
file round_4_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      8,334      100.00     100.00
-----+-----
      Total |      8,334      100.00
file round_5_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      7,276      100.00     100.00
-----+-----
      Total |      7,276      100.00
file round_6_1.dta saved

```

dup	Freq.	Percent	Cum.
0	6,312	100.00	100.00
Total	6,312	100.00	

file round\_7\_1.dta saved

```

9 .
10. //round 1
11. forvalues w=1/$w{
12.   use round_`w'_1.dta
13.   3.
14.   if `w'!=1 local pd pd*
15.   4.
16.   //keep selected variables only
17.   local keepallwaves spid wave r`w'dresid w`w'varunit w`w'anfinwgt0 w`w'varstrat
18.   > ///
19.   >         mo* r`w'd2intvrage hh`w'martlststat ///
20.   >         ip`w'cmedicaid ip`w'mgapmedsp ip`w'nginsnurs ip`w'covmedcad ip`w'covtr
21.   > icar ///
22.   >         hh* hc* ss* pc* cp* cg* ha* sc* mc* sd* pa* hw* ///
23.   >         is`w'* ht`w'placedesc fl`w'* ir* cm* ew* hp* sn* dt* `pd' gr* wa* r`w'
24.   > dorigwksc ///
25.   >         r`w'dnhatswksc r`w'dnhatsgrav r`w'dnhatsgrb wb* ho* cs*
26.   5.
27.   if `w'==1 {
28.     6. keep `keepallwaves' r`w'dgender rl`w'dracehisp rl`w'spkothlan rl`w'condspan
29.     > h el`w'higstschl ///
30.     >         ia`w'* re`w'resistrct reldcensdiv valserarmfor
31.     7.
32.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
33.     > `w'* ///
34.     > sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
35.     > p`w'* ///
36.     > sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* rl`w'* el`w'* ia`w'* re`w'* v
37.     > a`w'*) ///
38.     > (*)
39.     8. deststring dfavact, replace
40.     9. }
41.   10.
42.   if `w'==2 {
43.     11. keep `keepallwaves' re2intplace re2newstrct re2spadrsnew re2dresistrct ///
44.     >         re2dadrscorr re2dcensdiv ip2nginslast ep2eoltalk ep2poweratty ep2livng
45.     > will
46.     12.
47.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
48.     > `w'* ///
49.     > sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
50.     > p`w'* ///
51.     > sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* pd`w'* ep`w'*) ///
52.     > (*)
53.     13. }
54.     14.
55.   if `w'==3 {
56.     15. keep `keepallwaves' re3intplace re3newstrct re3spadrsnew re3dresistrct ///
57.     >         re3dcensdiv ip3nginslast ia*
58.     16.
59.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
60.     > `w'* ///
61.     > sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
62.     > p`w'* ///
63.     > sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* ia`w'* pd`w'*) ///
64.     > (*)
65.     17. }
66.     18. if `w'==4 {
67.       19. keep `keepallwaves' re4intplace re4newstrct re4spadrsnew re4dresistrct ///
68.       >         re4dcensdiv ip4nginslast
69.       20.

```

```

21. rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
> `w'* ///
> sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
> p`w'* ///
> sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* pd`w'*) ///
> (*)
21. }
22. if `w'==5 {
23. keep `keepallwaves' r`w'dgender rl`w'dracehisp rl`w'spkothlan rl`w'condspan
> h el`w'higstschl re5intplace re5newstrct re5spadrsnew re5dresistrct ///
> re5dcensdiv ip5nginslast ia`w'* va5serarmfor w5an2011wgt0
24.
22. rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
> `w'* ///
> sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
> p`w'* ///
> sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* rl`w'* el`w'* ia`w'* re`w'* v
> a`w'* pd`w'*) ///
> (*)
25. }
26. if `w'==6 {
27. keep `keepallwaves' re6intplace re6newstrct re6spadrsnew re6dresistrct ///
> re6dcensdiv ip6nginslast w6an2011wgt0
28.
23. rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
> `w'* ///
> sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
> p`w'* ///
> sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* pd`w'*) ///
> (*)
29. }
30. if `w'==7 {
31. keep `keepallwaves' re7intplace re7newstrct re7spadrsnew re7dresistrct ///
> re7dcensdiv ip7nginslast ia`w'* w7an2011wgt0
32.
24. rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
> `w'* ///
> sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
> p`w'* ///
> sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* ia`w'* pd`w'*) ///
> (*)
33. }
34.
25. save round_`w'_ltd.dta, replace
35. }
dfavact: all characters numeric; replaced as int
file round_1_ltd.dta saved
file round_2_ltd.dta saved
file round_3_ltd.dta saved
file round_4_ltd.dta saved
file round_5_ltd.dta saved
file round_6_ltd.dta saved
file round_7_ltd.dta saved

26.
27. //check sensitive data files, keep only some variables, merge with
> ltd datasets
28. forvalues w=1/$w{
2. use "${r`w's}NHATS_Round_`w'_SP_Sen_Dem_File.dta"
3. sort spid
4. quietly by spid: gen dup = cond(_N==1,0,_n)
5. tab dup
6. clear
7. }

```

dup	Freq.	Percent	Cum.
0	8,245	100.00	100.00
Total	8,245	100.00	

dup	Freq.	Percent	Cum.
0	7,075	100.00	100.00
Total	7,075	100.00	

dup	Freq.	Percent	Cum.
0	5,799	100.00	100.00
Total	5,799	100.00	

dup	Freq.	Percent	Cum.
0	4,737	100.00	100.00
Total	4,737	100.00	

dup	Freq.	Percent	Cum.
0	8,334	100.00	100.00
Total	8,334	100.00	

dup	Freq.	Percent	Cum.
0	7,276	100.00	100.00
Total	7,276	100.00	

dup	Freq.	Percent	Cum.
0	6,312	100.00	100.00
Total	6,312	100.00	

```

29.
30. //combine waves into single dataset
31. use round_1_ltd.dta

32. forvalues w=2/$w{
    2. append using round_`w'_ltd.dta
    3. }
    (note: variable dproxyid was str4, now str12 to accommodate using
    data's values)
    (note: variable dspouseid was str4, now str12 to accommodate using
    data's values)
    (label paldiv2favact already defined)
    (label paldiv2favact already defined)
    (note: variable dfavact was int, now double to accommodate using
    data's values)
    (label paldiv2favact already defined)
    (label pa5dfavact already defined)
    (label pa5dfavact already defined)

33. /*
    > preserve
    >
    > forvalues w=1/$w{
    > use "${r`w`s}NHATS_Round_`w'_SP_Sen_Dem_File.dta", clear
    > gen wave=`w'
    > rename (r`w'* hh`w'*) (*)
    > if `w'=1 {
    > rename (rl`w'* hc`w'*) (*)
    > }
    > if `w'!=1 {
    > rename (pd`w'*) (*)
    > }
    > save "${r`w`s}NHATS_Round_`w'_SP_Sen_Dem_File_new.dta", replace
    > }
    >
    > use "${r1s}NHATS_Round_1_SP_Sen_Dem_File_new.dta", clear

```

```

>
> restore
> */
34. preserve

35.
36. forvalues w=1/$w{
    2. use "${r`w`s}\NHATS_Round_`w'_SP_Sen_Dem_File.dta", clear
    3. gen wave=`w'
    4. save "${r`w`s}\NHATS_Round_`w'_SP_Sen_Dem_File_new.dta", replace
    5.
37. }
file E:\nhats\data\NHATS Sensitive\r1_sensitive\NHATS_Round_1_SP_Sen_Dem_File_new.dta
> saved
file E:\nhats\data\NHATS Sensitive\r2_sensitive\NHATS_Round_2_SP_Sen_Dem_File_new.dta
> saved
file E:\nhats\data\NHATS Sensitive\r3_sensitive\NHATS_Round_3_SP_Sen_Dem_File_new.dta
> saved
file E:\nhats\data\NHATS Sensitive\r4_sensitive\NHATS_Round_4_SP_Sen_Dem_File_new.dta
> saved
file E:\nhats\data\NHATS Sensitive\r5_sensitive\NHATS_Round_5_SP_Sen_Dem_File_new.dta
> saved
file E:\nhats\data\NHATS Sensitive\r6_sensitive\NHATS_Round_6_SP_Sen_Dem_File_new.dta
> saved
file E:\nhats\data\NHATS Sensitive\r7_sensitive\NHATS_Round_7_SP_Sen_Dem_File_new.dta
> saved

38.
39. restore

40.
41. //merge in sensitive data, use r1 as basis, added in cancer vars
42. merge m:1 spid wave using "${r1s}\NHATS_Round_1_SP_Sen_Dem_File_new.dta", ///
>      keepusing(r1dbirthmth r1dbirthyr r1dintvwrage hhlmodob hhlyrdob hhlldspousage
>      ///
>      r1lprimarace r1lhisplatno hclcancerty*) nogen

      Result                                # of obs.
      -----
not matched                                39,533
   from master                            39,533
   from using                             0

matched                                    8,245
-----

43.
44. //merge in additional r2 sensitive data
45. merge m:1 spid using "${r2s}\NHATS_Round_2_SP_Sen_Dem_File_new.dta", ///
>      keepusing(r2dintvwrage hh2dspousage r2ddeathage pd2mthdied pd2yrdied) nogen
(label r1dbirthmth already defined)

      Result                                # of obs.
      -----
not matched                                12,036
   from master                            12,036
   from using                             0

matched                                    35,742
-----

```

```

46.
47. //merge in additional r3 sensitive data
48. merge m:1 spid using "${r3s}NHATS_Round_3_SP_Sen_Dem_File_new.dta", ///
>      keepusing(r3dintvwage hh3dspousage r3ddeathage pd3mthdied pd3yrdied) nogen
(label r1dbirthmth already defined)

```

Result	# of obs.
not matched	14,588
from master	14,588
from using	0
matched	33,190

```

49.
50. //merge in additional r4 sensitive data
51. merge m:1 spid using "${r4s}NHATS_Round_4_SP_Sen_Dem_File_new.dta", ///
>      keepusing(r4dintvwage hh4dspousage r4ddeathage pd4mthdied pd4yrdied hc4canc
> erty*) nogen
(label r1dbirthmth already defined)
(label r1dbirthyr already defined)

```

Result	# of obs.
not matched	17,774
from master	17,774
from using	0
matched	30,004

```

52.
53. //merge in additional r5 sensitive data
54. merge m:1 spid using "${r5s}NHATS_Round_5_SP_Sen_Dem_File_new.dta", ///
>      keepusing(r5dintvwage hh5spageall r5ddeathage pd5mthdied pd5yrdied hc5cance
> rty*) nogen

```

Result	# of obs.
not matched	9,248
from master	9,248
from using	0
matched	38,530

```

55.
56. //merge in additional r6 sensitive data
57. merge m:1 spid using "${r6s}NHATS_Round_6_SP_Sen_Dem_File_new.dta", ///
>      keepusing(r6dintvwage hh6spageall r6ddeathage pd6mthdied pd6yrdied hc6cance
> rty*) nogen
(label r5dbirthmth already defined)
(label r5dbirthyr already defined)

```

Result	# of obs.
not matched	12,214
from master	12,214
from using	0
matched	35,564

```

58.
59. //merge in additional r7 sensitive data
60. merge m:1 spid using "${r7s}NHATS_Round_7_SP_Sen_Dem_File_new.dta", ///
    > keepusing(r7dintvwrage hh7spageall r7ddeathage pd7mthdied pd7yrdied hc7cance
    > rty*) nogen
    (label r5dbirthmth already defined)
    (label r5dbirthyr already defined)

```

Result	# of obs.
not matched	15,926
from master	15,926
from using	0
matched	31,852

```

61.
62. /*
    > tempfile nhats
    > save "`nhats'"
    >
    >
    > //Going to tracker to rename variables.
    >
    > use "${r7raw}NHATS_Round_7_Tracker_File", clear
    >
    >
    > keep spid yearsample ///
    > w7trfinwgt0 w7tr2011wgt0 r7status r7spstat r7spstatdtmt r7spstatdtyr r7fqstatdtmt //
    > /
    > w6trfinwgt0 w6tr2011wgt0 r6status r6spstat r6spstatdtmt r6spstatdtyr r6fqstatdtmt //
    > /
    > w5trfinwgt0 w5tr2011wgt0 r5status r5spstat r5spstatdtmt r5spstatdtyr r5fqstatdtmt //
    > /
    > w4trfinwgt0 r4status r4spstat r4spstatdtmt r4spstatdtyr r4fqsta
    > tdtmt ///
    > w3trfinwgt0 r3status r3spstat r3spstatdtmt r3spstatdtyr r3fqsta
    > tdtmt ///
    > w2trfinwgt0 r2status r2spstat r2spstatdtmt r2spstatdtyr r2fqsta
    > tdtmt ///
    > w1trfinwgt0 r1status r1spstat r1spstatdtmt r1spstatdtyr r1fqsta
    > tdt*
    >
    > forvalues w=1/$w{
    >
    > rename (r`w'* w`w'*) (*w`w')
    > }
    >
    > reshape long trfinwgt0w tr2011wgt0w statusw spstatw spstatdtmtw spstatdtyrw fqstatdt
    > mtw fqstatdtyrw, i(spид) j(wave)
    >
    > rename (*w) (*)
    >
    > tempfile tracker
    > save "`tracker'"
    >
    > use "`nhats'", clear
    >
    > //3B?
    > //merge in tracker status information
    > merge 1:1 spид wave using "`tracker'"
    > */

```

```

63.
64. merge m:1 spid using "${r7raw}NHATS Round 7 Tracker File", keepusing( yearsample ///
> w7trfinwgt0 w7tr2011wgt0 r7status r7spstat r7spstatdtmt r7spstatdtyr r7fqstatdtmt //
> /
> w6trfinwgt0 w6tr2011wgt0 r6status r6spstat r6spstatdtmt r6spstatdtyr r6fqstatdtmt //
> /
> w5trfinwgt0 w5tr2011wgt0 r5status r5spstat r5spstatdtmt r5spstatdtyr r5fqstatdtmt //
> /
> w4trfinwgt0 r4status r4spstat r4spstatdtmt r4spstatdtyr r4fqsta
> tdtmt ///
> w3trfinwgt0 r3status r3spstat r3spstatdtmt r3spstatdtyr r3fqsta
> tdtmt ///
> w2trfinwgt0 r2status r2spstat r2spstatdtmt r2spstatdtyr r2fqsta
> tdtmt ///
> w1trfinwgt0 r1status r1spstat r1spstatdtmt r1spstatdtyr r1fqsta
> tdt*)

```

Result	# of obs.	
not matched	7,103	
from master	0	( _merge==1)
from using	7,103	( _merge==2)
matched	47,778	( _merge==3)

```

65.
66. gen trfinwgt0=.
    (54,881 missing values generated)
67. gen tr2011wgt0=.
    (54,881 missing values generated)
68. forvalues w=1/$w{
    2. replace trfinwgt0= w`w' trfinwgt0 if wave==`w'
    3. capture replace tr2011wgt0 = w`w' tr2011wgt0 if wave==`w'
    4. capture drop w`w' trfinwgt0 w`w' tr2011wgt0
    5. }
(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)
(7,276 real changes made)
(6,312 real changes made)

```

```

69.
70.
71. //merge in nsoc tracker information
72. merge m:1 spid using "${r1s}NSOC_Round_1_SP_tracker_file", nogen

```

Result	# of obs.
not matched	17,969
from master	17,969
from using	0
matched	36,912



```

73. //drop obs that are in tracker file but not sp file
74. drop if _merge==2
    (7,103 observations deleted)

75. drop _merge

76. save round_1_to_$w.dta, replace
    file round_1_to_7.dta saved

77.
78. //old version of stata
79. forvalues w=1/$w{
    2. clear all
    3. use "E:\nhats\data\NHATS Public\round_`w'\NHATS_Round_`w'_SP_File.dta"
    4. saveold "E:\nhats\data\NHATS Public\round_`w'\NHATS_Round_`w'_SP_File_stata12.dta"
    > ", replace version(12)
    5. }
    (saving in Stata 12 format, which can be read by Stata 11 or 12)
    file E:\nhats\data\NHATS Public\round_1\NHATS_Round_1_SP_File_stata12.dta saved
    (saving in Stata 12 format, which can be read by Stata 11 or 12)
    note: variable label "R2 F SS DEAF PRIOR OR CURRENT ROUND " contains unicode and thu
    > s may not display well in Stata 13.
    file E:\nhats\data\NHATS Public\round_2\NHATS_Round_2_SP_File_stata12.dta saved
    (saving in Stata 12 format, which can be read by Stata 11 or 12)
    file E:\nhats\data\NHATS Public\round_3\NHATS_Round_3_SP_File_stata12.dta saved
    (saving in Stata 12 format, which can be read by Stata 11 or 12)
    file E:\nhats\data\NHATS Public\round_4\NHATS_Round_4_SP_File_stata12.dta saved
    (saving in Stata 12 format, which can be read by Stata 11 or 12)
    file E:\nhats\data\NHATS Public\round_5\NHATS_Round_5_SP_File_stata12.dta saved
    (saving in Stata 12 format, which can be read by Stata 11 or 12)
    file E:\nhats\data\NHATS Public\round_6\NHATS_Round_6_SP_File_stata12.dta saved
    (saving in Stata 12 format, which can be read by Stata 11 or 12)
    file E:\nhats\data\NHATS Public\round_7\NHATS_Round_7_SP_File_stata12.dta saved

80.
81. *****
82. log close
    name: <unnamed>
    log: E:\nhats\nhats_code\NHATS data setup\logs\1-combine_waves_6_Mar_2019.smc
    > 1
    log type: text
    closed on: 6 Mar 2019, 16:19:30
    -----
    > -----

```