



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\1-combine_waves_1_Mar_20
> 19.smcl
      log type:  text
      opened on:  1 Mar 2019, 12:31:48

```

```

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/$w {
7 .   2. //round w
8 .   3. use "${r`w'raw}\NHATS_Round_`w'_SP_File.dta"
9 .   3. //check to make sure sample ids are unique
10 . 4. sort spid
11 .   4. quietly by spid: gen dup = cond(_N=1,0,_n)
12 .   5. tab dup
13 .   6. capture gen wave=`w'
14 .   7. la var wave "Survey wave"
15 .   8. save round_`w'_1.dta, replace
16 .   9. clear
17 . 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'resistrtct 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 re2dresistrtct ///
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 re3dresistrtct ///
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 re4dresistrtct ///
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 dataset
> s
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.
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. rename (r`w'* hh`w'*) (*)
    5. if `w'==1 {
    6. rename (rl`w'* hc`w'*) (*)
    7. }
    8. if `w'!=1 {
    9. rename (pd`w'*) (*)
    10. }
    11. save "${r`w's}NHATS_Round_`w'_SP_Sen_Dem_File_new.dta", replace
    12. }
file E:\nhats\data\NHATS Sensitive\rl_sensitive\NHATS_Round_1_SP_Sen_Dem_File_ne

```

```

> w.dta saved
file E:\nhats\data\NHATS Sensitive\r2_sensitive\NHATS_Round_2_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r3_sensitive\NHATS_Round_3_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r4_sensitive\NHATS_Round_4_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r5_sensitive\NHATS_Round_5_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r6_sensitive\NHATS_Round_6_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r7_sensitive\NHATS_Round_7_SP_Sen_Dem_File_ne
> w.dta saved

```

```

37.
38. use "${r1s}\NHATS_Round_1_SP_Sen_Dem_File_new.dta", clear

```

```

39.
40. restore

```

```

41.
42. //merge in sensitive data, use r1 as basis, added in cancer vars
43. merge m:1 spid wave using "${r1s}\NHATS_Round_1_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dbirthmth dbirthyr dintvwra ge modob yrdob dspousage ///
>      primarace hisplatno cancerty*) nogen

```

Result	# of obs.
not matched	39,533
from master	39,533
from using	0
matched	8,245

```

44.
45. //merge in additional r2 sensitive data
46. merge m:1 spid using "${r2s}\NHATS_Round_2_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwra ge dspousage ddeathage mthdied yrdied) nogen
(label r1dbirthmth already defined)

```

Result	# of obs.
not matched	12,036
from master	12,036
from using	0
matched	35,742

```

47.
48. //merge in additional r3 sensitive data
49. merge m:1 spid using "${r3s}\NHATS_Round_3_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwra ge dspousage ddeathage mthdied yrdied) nogen
(label r1dbirthmth already defined)

```

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

```

50.
51. //merge in additional r4 sensitive data
52. merge m:1 spid using "${r4s}NHATS_Round_4_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage dspousage ddeathage mthdied yrdied) 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

```

53.
54. //merge in additional r5 sensitive data
55. merge m:1 spid using "${r5s}NHATS_Round_5_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage spageall ddeathage mthdied yrdied) nogen

```

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

```

56.
57. //merge in additional r6 sensitive data
58. merge m:1 spid using "${r6s}NHATS_Round_6_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage spageall ddeathage mthdied yrdied) 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

```

59.
60. //merge in additional r7 sensitive data
61. merge m:1 spid using "${r7s}NHATS_Round_7_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage spageall ddeathage mthdied yrdied) 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

```

62.
63. /*
> tempfile nhats
> save "`nhats'"
>
>
> //Going to tracker to rename variables.
>
> use "${r7raw}NHATS_Round_7_Tracker_File", clear
>
>
> keep spid yearsample ///
> w7trfinwgt0 w7tr2011wgt0 r7status r7spstat r7spstatdmt r7spstatdtyr r7fqstatd
> tmt ///
> w6trfinwgt0 w6tr2011wgt0 r6status r6spstat r6spstatdmt r6spstatdtyr r6fqstatd
> tmt ///
> w5trfinwgt0 w5tr2011wgt0 r5status r5spstat r5spstatdmt r5spstatdtyr r5fqstatd
> tmt ///
> w4trfinwgt0                                r4status r4spstat r4spstatdmt r4spstatdtyr r
> 4fqstatdmt ///
> w3trfinwgt0                                r3status r3spstat r3spstatdmt r3spstatdtyr r
> 3fqstatdmt ///
> w2trfinwgt0                                r2status r2spstat r2spstatdmt r2spstatdtyr r
> 2fqstatdmt ///
> w1trfinwgt0                                r1status r1spstat r1spstatdmt r1spstatdtyr r
> 1fqstatdmt*
>
> forvalues w=1/$w{
>
> rename (r`w'* w`w'*) (*w`w')
> }
>
> reshape long trfinwgt0w tr2011wgt0w statusw spstatw spstatdmtw spstatdtyrw fq
> statdmtw 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'"
> */
64.
65. merge m:1 spид using "${r7raw}NHATS_Round_7_Tracker_File", keepusing( yearsamp
> le ///
> w7trfinwgt0 w7tr2011wgt0 r7status r7spstat r7spstatdmt r7spstatdtyr r7fqstatd
> tmt ///
> w6trfinwgt0 w6tr2011wgt0 r6status r6spstat r6spstatdmt r6spstatdtyr r6fqstatd
> tmt ///
> w5trfinwgt0 w5tr2011wgt0 r5status r5spstat r5spstatdmt r5spstatdtyr r5fqstatd
> tmt ///
> w4trfinwgt0                                r4status r4spstat r4spstatdmt r4spstatdtyr r
> 4fqstatdmt ///
> w3trfinwgt0                                r3status r3spstat r3spstatdmt r3spstatdtyr r
> 3fqstatdmt ///
> w2trfinwgt0                                r2status r2spstat r2spstatdmt r2spstatdtyr r
> 2fqstatdmt ///
> w1trfinwgt0                                r1status r1spstat r1spstatdmt r1spstatdtyr r
> 1fqstatdmt*)

```

Result	# of obs.	
not matched	7,103	
from master	0	( <code>_merge==1</code> )
from using	7,103	( <code>_merge==2</code> )

```

matched                                47,778    (_merge==3)
-----

```

```

66.
67. gen trfinwgt0=.
    (54,881 missing values generated)

68. gen tr201lwgt0=.
    (54,881 missing values generated)

69. forvalues w=1/$w{
    2. replace trfinwgt0= w`w' trfinwgt0 if wave==`w'
    3. capture replace tr201lwgt0 = w`w' tr201lwgt0 if wave==`w'
    4. capture drop w`w' trfinwgt0 w`w' tr201lwgt0
    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)

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

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

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

76. drop _merge

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

78.
79. //old version of stata
80. 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_stata
> 12.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 thus 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

```



```
81.
82. *****
83. log close
    name: <unnamed>
    log:  E:\nhats\nhats_code\NHATS data setup\logs\1-combine_waves_1_Mar_20
> 19.smcl
    log type:  text
    closed on:  1 Mar 2019, 12:32:11
-----
```