
Subject: POSTNATAL CARE FOR MOTHER & NEWBORN IN Stata

Posted by [Mlue](#) on Tue, 16 Apr 2019 13:49:49 GMT

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FYI

Here I use Ethiopia as an example. This code should probably work for most DHS-7 datasets.

Postnatal Health Check for Mothers

```
clear all
set matsize 800
set maxvar 10000
set mem 1g
cd "C:\Users\User1\Desktop\ETHIOPIA DHS 2016"
use "ETIR70FL", clear
set more off

**
=====
**

** WEIGHT VARIABLE
gen weight = v005/1000000
gen wt=weight

**
=====
**

** SURVEY SET
gen psu = v021
//gen strata = v022
gen strata = v023
svyset psu [pw = weight], strata(strata) singleunit(centered)
*svydes

**
=====
**

//generate variable for birth in the last two years
gen birth2 =0
replace birth2=1 if b19_01<24

**
=====
```

```

**

//PNC TIMING FOR THE MOTHER
gen momcheck=0 if birth2 ==1
replace momcheck =1 if (m62_1 ==1 |m66_1==1) & birth2==1

gen pnc_wm_time = 999 if (birth2==1 & momcheck ==1)
replace pnc_wm_time = m63_1 if inrange(m64_1, 11,29) & birth2 ==1
replace pnc_wm_time = m67_1 if pnc_wm_time == 999 & inrange(m68_1, 11,29) & birth2 ==1
replace pnc_wm_time = 0 if momcheck == 0 & birth2 ==1

cap drop rh_pnc_wm_timing
recode pnc_wm_time (0 242/299 306/899 999 = 7 "No check or past 41 days") ///
(100/103 =1 "less than 4 hours") (104/123 200 = 2 "4 to 23 hours") ///
(124/171 201/202 = 3 "1-2 days")(172/197 203/206 =4 "3-6 days") ///
(207/241 300/305 = 5 "7-41 days") (998=6 "Don't know or missing") if birth2==1,
gen(rh_pnc_wm_timing)
label var rh_pnc_wm_timing "Timing after delivery for mother's PNC check"

**
=====
**

//PNC within 2days for mother
recode rh_pnc_wm_timing (1/3 =1 "Within 2 days") ///
(else = 0 "Not in 2 days"), gen(rh_pnc_wm_2days)
label var rh_pnc_wm_2days "PNC check within two days for mother"

**
=====
**

keep if rh_pnc_wm_timing !=.

**
=====
**

** RECODE VARIABLES FOR ANALYSIS **

* Mother's age at birth
cap drop agebirth
gen agebirth=(b3_01-v011)/12

cap drop age_at_birth
recode agebirth (min/19.91667=1 "<20") (20/34.91667=2 "20-34") ///
(35/max=3 "35-49"), gen(age_at_birth)
label var age_at_birth "Mother's age at birth"

```

```
label val age_at_birth age_at_birth
```

```
* Birth order
```

```
gen birth_order1 = bord_01
```

```
replace birth_order1 = bord_01-1 if b0_01 == 2
```

```
replace birth_order1 = bord_01-2 if b0_01 == 3
```

```
recode birth_order1 (1=1 "1") (2/3=2 "2-3") (4/5=3 "4-5") ///
```

```
(6/20=4 "6+"), gen(birth_order)
```

```
label var birth_order "Birth order"
```

```
label values birth_order birth_order
```

```
cap drop agebirth birth_order1
```

```
**
```

```
=====
```

```
**
```

```
rename rh_pnc_wm_timing mother_PNC
```

```
rename rh_pnc_wm_2days mother_PNC2dyas
```

```
**
```

```
=====
```

```
**
```

```
** CHECK **
```

```
svy: tab mother_PNC, count format(%9.0f)
```

```
svy: tab age_at_birth mother_PNC, percent format(%9.1f) row
```

```
**
```

```
=====
```

```
**
```

```
exit
```

Postnatal Health Check for Newborns

```
clear all
```

```
set matsize 800
```

```
set maxvar 10000
```

```
set mem 1g
```

```
cd "C:\Users\User1\Desktop\ETHIOPIA DHS 2016"
```

```
use "ETKR70FL", clear
```

```
set more off
```

```

**
=====
**

** WEIGHT VARIABLE
gen weight = v005/1000000
gen wt=weight

**
=====
**

** SURVEY SET
gen psu = v021
//gen strata = v022
gen strata = v023
svyset psu [pw = weight], strata(strata)

**
=====
**

keep if midx == 1 & b19 < 24

gen birth2 =0
replace birth2=1 if b19<24

**
=====
**

//PNC TIMING FOR THE BABY

gen babycheck=0 if birth2 ==1
replace babycheck = 1 if (m70==1 | m74==1) & birth2==1

cap drop pnc_baby_time
gen pnc_baby_time = 999 if (birth2==1 & babycheck ==1)
replace pnc_baby_time = m75 if inrange(m76,11,29) & birth2==1
replace pnc_baby_time = m71 if pnc_baby_time == 999 & inrange(m72,11,29) & birth2==1
replace pnc_baby_time = 0 if babycheck == 0 & birth2 ==1

cap drop baby_PNC
recode pnc_baby_time (100 =1 "<1 hour") (100/103=2 "1-3 hours") ///
(104/123 = 3 "4 to 23 hours") (124/171 201/202 = 4 "1-2 days") ///
(172/197 203/206 =5 "3-6 days") (207/241 300/305 = 6 "7-41 days") ///
(998 =7 "Don't know") (else = 8 "No postnatal check") if birth2==1, gen(baby_PNC)
label var baby_PNC "Timing of first postnatal check for the newborn"

```

```
label val baby_PNC baby_PNC
```

```
cap drop PNC_baby
```

```
gen PNC_baby=baby_PNC
```

```
replace PNC_baby = 8 if baby_PNC==6
```

```
label define PNC_baby 1"<1 hour" 2"1-3 hours" 3"4-23 hours" 4"1-2 days" ///  
5"3-6 days" 7"Don't know" 8"No postnatal check"
```

```
label var PNC_baby "Timing of first postnatal check for the newborn"
```

```
label val PNC_baby PNC_baby
```

```
**
```

```
=====
```

```
**
```

```
//PNC within 2days for mother
```

```
recode PNC_baby (1/4 =1 "Within 2 days") ///
```

```
(else = 0 "Not in 2 days"), gen(baby_PNC_2days)
```

```
label var baby_PNC_2days "Percentage of births with a postnatal check during the first 2 days  
after birth"
```

```
**
```

```
=====
```

```
**
```

```
keep if PNC_baby !=.
```

```
**
```

```
=====
```

```
**
```

```
** RECODE VARIABLES FOR ANALYSIS **
```

```
* Mother's age at birth
```

```
cap drop agebirth
```

```
gen agebirth=(b3-v011)/12
```

```
*tab agebirth
```

```
cap drop age_at_birth
```

```
recode agebirth (min/19.91667=1 "<20") (20/34.91667=2 "20-34") ///  
(35/max=3 "35-49"), gen(age_at_birth)
```

```
label var age_at_birth "Mother's age at birth"
```

```
label val age_at_birth age_at_birth
```

```
* Birth order
```

```
gen birth_order1 = bord
```

```
replace birth_order1 = bord-1 if b0 == 2
```

```
replace birth_order1 = bord-2 if b0 == 3
```

```
recode birth_order1 (1=1 "1") (2/3=2 "2-3") (4/5=3 "4-5") ///
(6/20=4 "6+"), gen(birth_order)
label var birth_order "Birth order"
label values birth_order birth_order
```

```
cap drop agebirth birth_order1
```

```
**
```

```
=====
**
```

```
** CHECK **
```

```
svy: tab age_at_birth baby_PNC_2days, percent format(%9.1f) row miss
```

```
svy: tab age_at_birth PNC_baby, percent format(%9.1f) row miss
```

```
exit
```

File Attachments

-
- 1) [BABY POSTNATAL CARE - ETHIOPIA DHS 2016.txt](#), downloaded 472 times
 - 2) [POSTNATAL CARE FOR MOTHER - ETHIOPIA DHS 2016.txt](#), downloaded 465 times
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