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Subject: Re: Cesarean section and associated factors

Posted by [Mlue](#) on Tue, 19 Nov 2019 09:38:13 GMT

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Hello,

You did not specify which year you are working with (i.e. 2011 or 2016?), and you did not specify the software package you are using (i.e. Stata, SAS, SPSS, R?).

I have used Ethiopia DHS 2016 data, and Stata to produce the following (I hope it points you in the right direction):

```
/** ETHIOPIA DHS 2016 **/
```

```
clear all
set matsize 800
set mem 1g
set maxvar 9000
cd "C:\Users\User88\Desktop\ETHIOPIA DHS 2016\ETKR70DT"
use "ETKR70FL", clear
set more off
```

```
*****
```

```
**WEIGHT VARIABLE
```

```
gen weight = v005/1000000
```

```
*****
```

```
*****
```

```
** SURVEY SET
```

```
gen psu = v021
```

```
gen strata = v023
```

```
svyset psu [pw = weight], strata(strata) vce(linearized)
```

```
*****
```

```
*****
```

```
rename v013 age
```

```
rename v106 education
```

```
rename v190 wealth
```

```
rename v025 residence
```

```
rename v024 region
```

```
*****
```

```
**PLACE OF DELIVERY
```

```
cap drop DHS_delivery
```

```
recode m15 (21/27=1 "Public sector")(31/36=2 "Private sector") (41/46=3 "NGO") ///
```

```
(11/12=4 "Home") (96=5 "Other"), gen(DHS_delivery)
label var DHS_delivery "place of delivery as in DHS eport"
label val DHS_delivery DHS_delivery
```

```
cap drop DHS_delivery2
recode m15 (21/27=1 "Public sector")(31/36=2 "Private sector") ///
(11/12=4 "Home") (41/46 96=5 "NGO/Other"), gen(DHS_delivery2)
label var DHS_delivery2 "Place of delivery"
label val DHS_delivery2 DHS_delivery2
```

```
*****
```

```
**DELIVERY IN HEALTH FACILITY
```

```
cap drop facility_delivery
recode m15 (21/46=1 "Facility-based deliveries") (11/12 96=0 "Non-facility deliverie"),
gen(facility_delivery)
label var facility_delivery "Facility-based deliveries"
label val facility_delivery facility_delivery
```

```
*****
```

```
** ASSISTED BY MEDICALLY TRAINED PROVIDER DURING DELIVERY
```

```
gen skilled_birth = 0
label define skilled_birth 0"Unskilled" 1"Skilled"
label var skilled_birth "Birth delivered by skilled birth attendant"
label val skilled_birth skilled_birth
```

```
foreach xvar of varlist m3a m3b m3c m3d m3e {
replace skilled_birth=1 if `xvar'==1
}
*
```

```
cap drop skilled_provider
egen skilled_provider = rowmax(m3a m3b m3c m3d m3e)
label define skilled_provider 0"Unskilled" 1"Skilled"
label var skilled_provider "Percentage delivered by a skilled provider"
label val skilled_provider skilled_provider
*tab skilled_provider [iw=weight], m
```

```
*****
```

```
** DROP MISSING CASES
```

```
keep if DHS_delivery!=.
```

```
*****
```

```
** CHECK
```

```
svy: tab wealth DHS_delivery, percent format(%4.1f) miss row
svy: tab wealth facility_delivery, percent format(%4.1f) miss row
```

```
svy: tab wealth skilled_birth, percent format(%4.1f) miss row
*svy: tab wealth skilled_provider, percent format(%4.1f) miss row
```

```
*****
```

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

```
* Mother's age at birth
cap drop agebirth
gen agebirth=(b3-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
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
```

```
* Antenatal care visits
cap drop antenatal_dhs
recode m14 (0=0 "None") (1/3=1 "1-3") (4/20=4 "4+") ///
(98=88 "DNK") (else =99 "Missing"), gen(antenatal_dhs)
label var antenatal_dhs "Antenatal visits - as in DHS report"
label val antenatal_dhs antenatal_dhs
```

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

```
** REPLICATING TABLE 9.8 (page 149)
```

```
svy: tab age_at_birth DHS_delivery, percent format(%4.1f) row
svy: tab birth_order DHS_delivery, percent format(%4.1f) row
svy: tab antenatal_dhs DHS_delivery, percent format(%4.1f) row // report excludes DNK &
Missing
svy: tab residence DHS_delivery, percent format(%4.1f) row
svy: tab region DHS_delivery, percent format(%4.1f) row
```

svy: tab education DHS\_delivery, percent format(%4.1f) row  
svy: tab wealth DHS\_delivery, percent format(%4.1f) row

\*\*\*\*\*

/\*

**\*\* COUNTS**

svy: tab age\_at\_birth DHS\_delivery, count format(%4.0f) miss  
svy: tab birth\_order DHS\_delivery, count format(%4.0f) miss  
svy: tab antenatal\_dhs DHS\_delivery, count format(%4.0f) miss  
svy: tab residence DHS\_delivery, count format(%4.0f) miss  
svy: tab region DHS\_delivery, count format(%4.0f) miss  
svy: tab education DHS\_delivery, count format(%4.0f) miss  
svy: tab wealth DHS\_delivery, count format(%4.0f) miss

\*/

\*\*

=====  
\*\*

**\*\* REPLICATING TABLE 9.8 (page 149) - Facility Births**

svy: tab age\_at\_birth facility\_delivery, percent format(%4.1f) row  
svy: tab birth\_order facility\_delivery, percent format(%4.1f) row  
svy: tab antenatal\_dhs facility\_delivery, percent format(%4.1f) row  
svy: tab residence facility\_delivery, percent format(%4.1f) row  
svy: tab region facility\_delivery, percent format(%4.1f) row  
svy: tab education facility\_delivery, percent format(%4.1f) row  
svy: tab wealth facility\_delivery, percent format(%4.1f) row

\*\*\*\*\*

/\*

svy: tab age\_at\_birth facility\_delivery, count format(%4.0f) miss  
svy: tab birth\_order facility\_delivery, count format(%4.0f) miss  
svy: tab antenatal\_dhs facility\_delivery, count format(%4.0f) miss  
svy: tab residence facility\_delivery, count format(%4.0f) miss  
svy: tab region facility\_delivery, count format(%4.0f) miss  
svy: tab education facility\_delivery, count format(%4.0f) miss  
svy: tab wealth facility\_delivery, count format(%4.0f) miss

\*/

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=====  
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**\*\* REPLICATING TABLE 9.9 (page 150) - Percentage delivered by a skilled provider**

svy: tab age\_at\_birth skilled\_provider, percent format(%4.1f) row  
svy: tab birth\_order skilled\_provider, percent format(%4.1f) row

```
svy: tab antenatal_dhs skilled_provider, percent format(%4.1f) row
svy: tab residence skilled_provider, percent format(%4.1f) row
svy: tab region skilled_provider, percent format(%4.1f) row
svy: tab education skilled_provider, percent format(%4.1f) row
svy: tab wealth skilled_provider, percent format(%4.1f) row
```

```
*****
```

```
/*
svy: tab age_at_birth skilled_birth, count format(%4.0f) miss
svy: tab birth_order skilled_birth, count format(%4.0f) miss
svy: tab antenatal_dhs skilled_birth, count format(%4.0f) miss
svy: tab residence skilled_birth, count format(%4.0f) miss
svy: tab region skilled_birth, count format(%4.0f) miss
svy: tab education skilled_birth, count format(%4.0f) miss
svy: tab wealth skilled_birth, count format(%4.0f) miss
*/
```

```
**
```

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

```
** ===== GRAPHS
```

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

```
**
```

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

```
ssc install hplot, replace //needs internet connection
ssc install catplot, replace //needs internet connection
```

```
catplot DHS_delivery2 [aw=weight], by(wealth, compact note("") col(1)) ///
    bar(1, bcolor(gs8) bfcolor(brown*.4)) xlabel(bar, format(%9.1f) ///
    pos(base)) percent(wealth) subtitle(, pos(9) ring(1) bcolor(none) nobexpand place(e)) ///
    ytitle(Place of delivery (%)) var1opts(gap(*0.1) axis(noline)) ///
    var2opts(gap(*.2)) ysize(5) yla(none) ysc(noline) ///
    plotregion(lcolor(none))
```

```
catplot DHS_delivery2 wealth [aw=weight], percent(wealth) stack asyvars ///
    bar(1, bcolor(ltblue)) bar(2, bcolor(pink*.2)) bar(3, bcolor(brown*.4)) ///
    bar(4, bcolor(bluishgray)) bar(5, bcolor(gs10)) bar(6, bcolor(red*.4)) ///
    bar(7, bcolor(sand)) xlabel(bar, format(%9.1f) pos(center)) ///
    xlabel(bar, format(%9.1f) pos(center) size(tiny)orientation(vertical) color(black)) ///
    ytitle(%) title(Place of delivery by HH wealth) subtitle(Ethiopia DHS 2016)
```

```
catplot facility_delivery wealth [aw=weight], percent(wealth) stack asyvars ///
    bar(1, bcolor(gold)) bar(2, bcolor(ltblue)) bar(3, bcolor(gs0)) ///
    xlabel(bar, format(%9.1f) pos(center)) bar(4, bcolor(g)) ytitle(%) ///
    title(Percentage delivered in a health facility) subtitle(Ethiopia DHS 2016)
```

```
catplot skilled_provider wealth [aw=weight], percent(wealth) stack asyvars ///
  bar(1, bcolor(gold)) bar(2, bcolor(ltblue)) bar(3, bcolor(gs0)) ///
  xlabel(bar, format(%9.1f) pos(center)) bar(4, bcolor(g)) ytitle(%) ///
  title(Prevalence of skilled birth attendance) subtitle(Ethiopia DHS 2016)
```

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=====

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exit

### File Attachments

1) [DELIVERY CARE \\_ ETHIOPIA DHS 2016 \\_ Stata.txt](#), downloaded 384 times