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Subject: Re: Values don't match with reported values/Antenatal care by medically trained professionals

Posted by [Mlue](#) on Sat, 11 Aug 2018 08:37:35 GMT

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Hello Mahmudul,

Please try the code below... I have used the "keep if" command. Hopefully this will work.

Good luck...

```
/*
INDIVIDUAL RECODE: BDIR72FL
BDHS 2014

BY: MLULEKI TSAWE - (University of the Western Cape, South Africa)
```

```
*/

clear all
set matsize 800
set mem 1g
set maxvar 9000
cd "." // change path
use "BDBR72FL", 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)
*svydes
```

```
*****
```

```
// RENAME

rename v013 age
rename v106 education
rename v190 wealth
```

```
rename v025 residence
rename v024 region
*rename sdist district
```

```
////////////////////////////////////
```

```
** QUALIFIED DOCTOR
```

```
recode m2a (1=1 "doctor") (0=0 "not doctor") (else=.), gen(doctor)
label var doctor "Antenatal care provided by a doctor"
label val doctor doctor
```

```
** NURSE/MIDWIFE/PARAMEDIC
```

```
cap drop NMP
gen NMP=.
replace NMP = 0 if m2b==0 | (m2a==1)
replace NMP = 1 if m2b==1 & (m2a ==0)
label define NMP 0"not NMP" 1"NMP"
label var NMP "Antenatal care provided by a nurse/midwife/paramedic"
label val NMP NMP
```

```
** FAMILY WELFARE VISITOR
```

```
cap drop FWV
gen FWV=.
replace FWV = 0 if m2c==0 | (m2a==1)
replace FWV = 1 if m2c==1 & (m2a ==0 & m2b==0)
label define FWV 0"not FWV" 1"FWV"
label var FWV "Antenatal care provided by a family welfare visitor"
label val FWV FWV
```

```
** COMMUNITY SKILLED BIRTH ATTENDANT
```

```
cap drop CSBA
gen CSBA=.
replace CSBA = 0 if m2d==0 | (m2a==1)
replace CSBA = 1 if m2d==1 & (m2a ==0 & m2b==0)
label define CSBA 0"not CSBA" 1"CSBA"
label var CSBA "Antenatal care provided by a community skilled birth attendant"
label val CSBA CSBA
```

```
** MEDICAL ASSISTANT/SUB-ASSISTANT COMMUNITY MEDICAL OFFICER (MA/SACMO)
```

```
cap drop MA_SACMO
gen MA_SACMO=.
replace MA_SACMO = 0 if m2e==0 | (m2a==1)
replace MA_SACMO = 1 if m2e==1 & (m2a ==0 & m2b==0)
label define MA_SACMO 0"not MA_SACMO" 1"MA_SACMO"
label var MA_SACMO "Antenatal care provided by a medical assistant/sub-assistant community
medical officer (ma/sacmo)"
label val MA_SACMO MA_SACMO
```

```

** COMMUNITY HEALTH CARE PROVIDER
cap drop CHCP
gen CHCP=.
replace CHCP = 0 if m2f==0 | (m2a==1)
replace CHCP = 1 if m2f==1 & (m2a ==0 & m2b==0)
label define CHCP 0"not CHCP" 1"CHCP"
label var CHCP "Antenatal care provided by a community health care provider"
label val CHCP CHCP

```

```

**
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```

## \*\* SKILLED ANTENATAL CARE PROVIDER

\*\*\*\*\* Percentage receiving antenatal care from a skilled provider

```

gen skilled_ANC = 0
label define skilled_ANC 0"Unskilled" 1"Skilled provider"
label var skilled_ANC "Antenatal care from a skilled provider"
label val skilled_ANC skilled_ANC

```

```

foreach xvar of varlist m2a m2b m2c m2d m2e {
replace skilled_ANC=1 if `xvar'==1
}
*

```

## \*\* ANTENATAL CARE VISITS

\* Replicating DHS table

```

cap drop antenatal_dhs
recode m14 (0=0 "None") (1=1 "1") (2=2 "2") (3=3 "3") (4/32=4 "4+") ///
(else=88 "DNK/Missing"), gen(antenatal_dhs)
label var antenatal_dhs "Antenatal visits - as in SLDHS report"
label val antenatal_dhs antenatal_dhs

```

\* Any antenatal care

```

cap drop any_ANC
recode m14 (1/20=1 "Any ANC") ///
(else=0 "None/DNK/Missing"), gen(any_ANC)
label var any_ANC "Any antenatal care visit"
label val any_ANC any_ANC

```

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

```
** DROP IF NOT WITHIN SAMPLE
```

```
keep if m2a!=. | m2b!=. | m2c!=. | m2d!=. | m2e!=.
```

```
*****
```

```
** CHECK
```

```
tab skilled_ANC [iw=weight], missing
```

```
svy: tab skilled_ANC, count format(%4.0f)
```

```
svy: tab skilled_ANC, percent format(%4.1f)
```

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

```
svy: tab antenatal_dhs residence, percent format(%4.1f) col miss
```

```
tabstat m14 if antenatal_dhs >=1 & antenatal_dhs <=4 [aw=weight], by(residence) stat(mean sd  
min max) format(%4.1f) long
```

```
tabstat m14 if antenatal_dhs >=1 & antenatal_dhs <=4 [aw=weight], by(age) stat(mean sd min  
max) format(%4.1f) long
```

```
*****  
*****  
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```

```
* Mothers 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
```

```
svy: tab age_at_birth skilled_ANC, percent format(%4.1f) row miss
```

```
*****
```

```
* Current age
```

```
recode v012 (15/19=1 "<20") (20/34=2 "20-34") (35/49=3 "35=49"), gen(age_current)
```

```
label var age_current "Current age of respondent"
```

```
label val age_current age_current
```

```
* Marital status
```

```
recode v501 (1=1 "Married") (else=0 "Not married"), gen (marital_stat)
```

```
label var marital_stat "Marital status"
label val marital_stat marital_stat
```

```
* 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
```

```
* Educational attainment
```

```
cap drop educ_attainment
recode v149 (0=0 "No education") (1=1 "Primary incomplete") ///
(2=2 "Primary complete") (3=3 "Secondary incomplete") ///
(4/5=4 "Secondary complete or higher"), gen(educ_attainment)
label var educ_attainment "Educational attainment"
label val educ_attainment educ_attainment
```

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```
** READING NEWSPAPERS (at least once a week)
```

```
cap drop news_once
recode v157 (2/3=1 "Yes") (else=0 "No"), gen(news_once)
label variable news_once "Reads a newspaper at least once a week?"
label values news_once news_once
```

```
** WATCHES TV (at least once a week)
```

```
cap drop watch_tv
recode v159 (2/3=1 "Yes") (else=0 "No"), gen(watch_tv)
label variable watch_tv "Watches television at least once a week?"
label values watch_tv watch_tv
```

```
** LISTENS TO THE RADIO (at least once a week)
```

```
cap drop listen_radio
recode v158 (2/3=1 "Yes") (else=0 "No"), gen(listen_radio)
label variable listen_radio "Listens to the radio at least once a week?"
label values listen_radio listen_radio
```

\*\*\*\*\*

\* ACCESSES ALL THREE MEDIA (at least once a week)

cap drop all\_media  
gen all\_media = 0

foreach groupvar of varlist news\_once watch\_tv listen\_radio {  
 replace all\_media=1 if (news\_once==1 & watch\_tv==1 & listen\_radio==1)  
}  
\*

label define all\_media 0"No" 1"Yes"  
label variable all\_media "Accesses all three media at least once a week"  
label values all\_media all\_media

\* CEB  
recode v201 (1=1 "1 child") (2/3=2 "2-3 children") ///  
(4/max = 3 "4+ children"), gen (parity)  
label var parity "Total number of children ever born = parity"  
label val parity parity

\* Region and residence = Sub-regions  
cap drop sub\_region  
egen sub\_region = group(region residence), label

\*=====

=====\*

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=====\*

\*\* MORE CHECKS \*\*

\*\*\* Table 9.1 Antenatal care \*\*\*

svy: tab age\_at\_birth skilled\_ANC, percent format(%4.1f) row miss

svy: tab birth\_order skilled\_ANC, percent format(%4.1f) row miss

svy: tab residence skilled\_ANC, percent format(%4.1f) row miss

svy: tab region skilled\_ANC, percent format(%4.1f) row miss

\*svy: tab educ\_attainment skilled\_ANC, percent format(%4.1f) row miss

tab educ\_attainment skilled\_ANC [iw=weight], row miss nof

svy: tab wealth skilled\_ANC, percent format(%4.1f) row miss

svy: tab news\_once skilled\_ANC, percent format(%4.1f) row

svy: tab watch\_tv skilled\_ANC, percent format(%4.1f) row

svy: tab listen\_radio skilled\_ANC, percent format(%4.1f) row

\*svy: tab all\_media skilled\_ANC, percent format(%4.1f) row

svy: tab v130 skilled\_ANC, percent format(%4.1f) row

svy: tab v501 skilled\_ANC, percent format(%4.1f) row

svy: tab parity skilled\_ANC, percent format(%4.1f) row

tab sub\_region skilled\_ANC [iw=weight], row miss nof

\*svy: tab sub\_region skilled\_ANC, percent format(%4.1f) row

\*@@  
@@\*  
\*@@  
@@\*

svy: tab age\_at\_birth skilled\_ANC, count format(%4.0f) miss

svy: tab birth\_order skilled\_ANC, count format(%4.0f) miss

svy: tab residence skilled\_ANC, count format(%4.0f) miss

svy: tab region skilled\_ANC, count format(%4.0f) miss

svy: tab educ\_attainment skilled\_ANC, count format(%4.0f) miss

svy: tab wealth skilled\_ANC, count format(%4.0f) miss

svy: tab news\_once skilled\_ANC, count format(%4.0f) miss

svy: tab watch\_tv skilled\_ANC, count format(%4.0f) miss

svy: tab listen\_radio skilled\_ANC, count format(%4.0f) miss

svy: tab all\_media skilled\_ANC, count format(%4.0f) miss

svy: tab v130 skilled\_ANC, count format(%4.0f) miss

```
svy: tab v501 skilled_ANC, count format(%4.0f) miss
svy: tab parity skilled_ANC, count format(%4.0f) miss
svy: tab sub_region skilled_ANC, count format(%4.0f) miss
exit
```

\*\*\*\*\*

```
svy: glm skilled_ANC ib(1).age_at_birth ib(0).marital_stat ///
ib(4).v130 ib(0).educ_achievement ib(1).wealth ib(4).birth_order ///
ib(1).parity ib(0).all_media ib(2).residence ib(1).region, family(binomial) link(logit) eform
cformat(%4.1f)
```

```
svy: logistic skilled_ANC ib(1).age_at_birth ib(0).marital_stat ///
ib(4).v130 ib(0).educ_achievement ib(1).wealth ib(4).birth_order ///
ib(1).parity ib(0).all_media ib(2).residence ib(1).region, cformat(%4.1f)
```

```
/*
svy: logistic skilled_ANC age_at_birth marital_stat ///
v130 educ_achievement wealth birth_order ///
parity all_media residence region
```

```
graph bar (mean) skilled_ANC [pweight = weight], over(wealth) blabel(total, format(%6.2f))
ytitle(Average antenatal care use) by(, title(Average antenatal care use by wealth)
subtitle(Differentials by residence) note(SLDHS (2013))) by(residence)
```

## File Attachments

1) [SKILLED ANTENATAL CARE - BANGLADESH 2014 \\_ 11-08-2018.txt](#),  
downloaded 703 times

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