
Subject: Estimates for exclusive BF and early initiation of BF not matching with DHS report

Posted by [dgodha](#) on Sat, 03 Feb 2018 12:13:03 GMT

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Hello,

My exclusive breastfeeding (EBF) estimates are not matching those in the DHS reports for multiple countries (except for Bangladesh)- varying from discrepancies in the proportion to that in the sample size. I have used the following Stata code: *use AFKR70FL.DTA/ NPKR7HFL.DTA/ PKKR61FL.DTA/ IAKR71FL.DTA

*Keep live children under 2

gen age=v008-b3

keep if age<24 & b5==1

* Child lives with respondent, not elsewhere

keep if b9==0

bysort v001 v002 v003: egen minbidx=min(bidx)

* Need to drop those that are bidx==2 and minbidx==1

drop if bidx>minbidx

** Exclusive breast feeding

gen water=0

gen liquids=0

gen milk=0

gen solids=0

gen breast=0

gen bottle=0

*TO DETERMINE IF CHILD IS GIVEN WATER, SUGAR WATER, JUICE, TEA OR OTHER.

replace water=1 if (v409>=1 & v409<=7)

* IF GIVEN OTHER LIQUIDS

foreach xvar of varlist v409a v410 v410* v413* {

replace liquids=1 if `xvar'>=1 & `xvar'<=7

}

replace liquids=1 if v412c>=1 & v412c<=7

* IF GIVEN POWDER/TINNED milk, FORMULA OR FRESH milk

foreach xvar of varlist v411 v411a v412 v414p {

replace milk=1 if `xvar'>=1 & `xvar'<=7

}

* IF STILL BREASTFEEDING

replace breast=1 if m4==95

* IF WAS EVER BOTTLE FED

replace bottle=1 if m38==1

*IF GIVEN ANY SOLID FOOD

```
foreach xvar of varlist v414* {  
  replace solids=1 if `xvar'>=1 & `xvar'<=7  
}  
replace solids=1 if v412a==1 | v412b==1
```

gen diet=7

```
replace diet=0 if water==0 & liquids==0 & milk==0 & solids==0  
replace diet=1 if water==1 & liquids==0 & milk==0 & solids==0  
replace diet=2 if      liquids==1 & milk==0 & solids==0  
replace diet=3 if      milk==1 & solids==0  
replace diet=4 if      milk==0 & solids==1  
replace diet=5 if      milk==1 & solids==1  
replace diet=6 if breast==0
```

gen ebf=0

```
replace ebf=1 if diet==0  
lab de A 0 "No" 1 "Yes"  
la val ebf A  
lab var ebf "Exclusive BF"
```

The estimates I am getting for different countries is as follows:** AFGHANISTAN - Matching Table 11.2, page 192 for EBF in children 0-5 months **

```
ta ebf if age<6 [iw=v005/1000000]  
/*43.36% & 3068 vs. 43.3% & 3095 in DHS report*/
```

** NEPAL - Matching Table 11.3, page 242 for EBF in children 0-5 months **

```
ta ebf if age<6 [iw=v005/1000000]  
/*68.35% & 421 vs. 66.1% & 445 in DHS report*/
```

** PAKISTAN - Matching Table 11.3 for EBF in children 0-5 months **

```
ta ebf if age<6 [iw=v005/1000000]  
/*37.76% & 1151 vs. 37.7% & 1164 in DHS report*/
```

** MADHYA PRADESH, INDIA - For Matching Table for EBF in children 0-5 months **

```
ta ebf if age<6 & v024==19 [iw=sv005/1000000]  
/*58.27% & 2044 vs. 58.4% & 2047 in DHS report*/
```

```
ta ebf if age<4 & v024==19 [iw=sv005/1000000]  
/*67.13% & 1245 vs. 67.3% & 1255 in DHS report*/
```

```
ta ebf if age>=6 & age<=9 & v024==19 [iw=sv005/1000000]  
/* 18.38 % & 1669 vs. 18.6% & 1696 in DHS report*/
```

```
ta ebf if age>=12 & age<=15 & v024==19 [iw=sv005/1000000]  
/*5.38% & 1522 vs. 5.4% & 1556 in DHS report*/
```

```
ta ebf if age>=12 & age<=23 & v024==19 [iw=sv005/1000000]
```

/*3.55% & 4226 vs. 3.6% & 4531 in DHS report*/

In case of breastfeeding within one hour, my estimates do not match for Nepal though they match for the other countries. I have used the following code:]*Finding the youngest child for each mother

```
bysort v001 v002 v003: egen minbidx=min(bidx)
```

*Need to drop those that are bidx==2 and minbidx==1
drop if bidx>minbidx

*Child's age
gen age=v008-b3

** Matching Table 11.1, page 241 for breast feeding within 1 hour of birth in children under 2**
gen ei=0 if age<24
replace ei=1 if m34<=100 & age<24
svy:tab ei v025, col

Estimates:

/*55.07% & 1930 vs. 54.9% & 1978 in DHS report*/

/*Urban: 57.07% & 1034 vs. 57% & 1062 in DHS report*/

/*Rural: 52.76% & 897 vs. 52.5% & 916 in DHS report*/

I have already looked at the forum threads and the DHS guide multiple times but have not been able to find the problem. I will appreciate help on this.

Thank you
Deepali