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Subject: Breast Feeding (BF) indicators in Senegal- mismatch with report estimates  
Posted by [dgodha](#) on Sun, 03 May 2020 11:25:03 GMT

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Dear DHS Experts,

I am estimating early initiation of BF, exclusive BF, and BF associated with water for Senegal using the following commands as shared in an earlier post:

\*Early initiation of breast feeding

```
gen early_init=0 if b19<24
replace early_init=1 if m34<101 & b19<24
la val early_init A
label var early_init "Early initiation of BF"
tab v013 early_init
```

\*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
}
```

```
cap 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
```

```
*diet=1: given only water (full bf)
```

```
*diet=2: given only liquids (bf & liquids)
```

```
*diet=3: given only milks (bf & milk)
```

```
*diet=4: given only solids (bf & solids)
```

```
*diet=5: given only milk and solids (bf & milk & solids)
```

```
*diet=6: not still breastfeeding (weaned)
```

```
*diet=7: not now being breastfed (m4~=95)
```

```
gen ebf=0 if b19<6
```

```
replace ebf=1 if diet==0 & b19<6
```

```
la val ebf A
```

```
lab var ebf "Exclusive BF under 6 months"
```

```
gen water_bf=0 if b19<6
```

```
replace water_bf=1 if diet==1 & b19<6
```

```
la val water_bf A
```

```
lab var water_bf "Water associated BF under 6 months"
```

```
*Survey setting
```

```
gen wt=v005/1000000
```

```
svyset psu [pweight=wt], strata(v023) vce(linearized) singleunit(centered)
```

```
*Tabulate
```

```
svy:tab survey ebf, row percent
```

```
svy:tab survey ebf, count
```

```
svy:tab survey water_bf, row percent
```

```
svy:tab survey water_bf, count
```

```
svy:tab survey early_init, row percent
```

```
svy:tab survey early_init, count
```

However, I find some discrepancy in my estimates as compared to those from the DHS reports as seen in the table below

My output    From DHS Reports

EBF Water associated BF Count    EBF Water associated BF Count

2010-11 38.60 39.03 1200 39.0 39.2 1204  
2012-13 37.57 45.36 639 37.5 46.4 640  
2014 32.18 40.89 587 33.0 41.2 588  
2015 33.03 37.68 603 33.3 38.4 604  
2016 36.21 38.56 559 36.4 38.3 560  
2017 41.66 37.26 1050 42.1 37.6 1052

Early initiation of BF

My output From DHS Reports

% Count % Count

2015 29.69 2384 30.5 2383  
2016 28.61 2296 29.4 2281  
2017 33.05 4373 33.6 4368

I will request your insight and guidance on getting this right.

Thank you  
Deepali

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