

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
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EBF Water associated BF Count	EBF Water associated BF Count
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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
