Dear all,

We are trying to reproduce the % of children with ARI symptoms that were given antibiotics for Bangladesh 2014 (Table 10.8 in the country report).
We are using the following codes to calculate the results:

```
** KR dataset **
gen abari=.
replace abari=0 if h31b==1 & inlist(h31c,1,3)
egen byte _abari=anymatch(h32a h32b h32c h32d h32e h32f h32g h32h h32i h32j h32l h32n
h32s h32t h32u h32v h32w), v(1)
recode abari (0=1) if _abari==1
svyset v021 [pweight=v005]
svy: prop abari
```

Survey: Proportion estimation

Number of strata =   1   Number of obs   =   406
Number of PSUs =   267   Population size = 416668524
                 Design df   =   266

```
------------------------------------------------------------- --
         |          Linearized
         | Proportion   Std. Err.   [95% Conf. Interval]
-------------+--------------------------------------------- --
abari    |
       0 | .9158814   .0160748     .8783446   .9425932
       1 | .0841186   .0160748     .0574068   .1216554
------------------------------------------------------------- --
```

We found an estimate of 8.4% and a weighted sample size of 417, however the results in the report are 34.2% and sample size is the same (417).

Are we missing antibiotic variables in the code?

Thanks!

Best regards,
Fernanda

Subject: Re: Bangladesh 2014 - Antibiotics for ARI
Posted by Bridgette-DHS on Tue, 17 Jan 2017 21:20:16 GMT
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Following is a response from DHS Senior Research Associate, Shireen Assaf:

The following code will match the report for prevalence of ARI and for treatment of ARI. However, like you, we (the analysis staff) cannot match the estimate for antibiotics. We are forwarding the question to our Data Processing staff to confirm the number in the report. If you do not hear from us within two weeks, please ask again.

*ari, matches
 gen ari=0
 replace ari=1 if h31b==1 & (h31c==1 | h31c==3)
 replace ari =. if age>=60 | b5==0

*treatment of ari, matches
 gen trtari=0 if ari==1
 replace trtari=1 if ari==1 & (h32a==1 | h32b==1 | h32c==1 | h32d==1 | h32e==1 | h32f==1 | h32g==1 | h32h==1 | h32i==1 | h32j==1 | h32l==1 | h32n==1 | h32s==1 | h32t==1 | h32u==1 | h32v==1 | h32w==1)
 label var trtari "received treatment for ari"

* antibiotics, does not match, I get the correct denominator but the estimate is 8.4% and not 34% as in the final report.
 gen antibio=0 if ari==1
 replace antibio=1 if ari==1 & (s538g==1 | s538h==1 |s538i==1 |s538j==1 |s538k==1 | s538l==1 |s538m==1)

Subject: Re: Bangladesh 2014 - Antibiotics for ARI
Posted by fewerling on Wed, 18 Jan 2017 05:44:18 GMT
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OK, thank you.

Subject: Re: Bangladesh 2014 - Antibiotics for ARI
Posted by abdullahkafi on Tue, 02 Apr 2019 08:32:20 GMT
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Similar I am facing about the reported estimates of Antibiotic for ARI (34.2%).
Please response anyone from the forum or DHS data processing staff to help us to find this figure.