Subject: ITNs - India 2019 DHS
Posted by Thiago Melo on Fri, 17 Jun 2022 15:11:27 GMT
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Hello,

We are trying to replicate the following results for India 2019 DHS:
"More than one-third of households (36%) in India have at least one mosquito net, while 8 percent have at least one Insecticide Treated Mosquito Net (ITN)."

Instead of 8%, we get 25.4% of households that have at least one ITN. We included categories 11 to 26 from hml7 variables in the household dataset as ITNs (to be clear, by ITN I mean LLIN). If we include only categories 11 to 19 (what works for most DHS surveys), we get 7.9%.

We had the same issue with Malawi 2015, but for ITNs for children and pregnant women. ITNs are categories 11 to 26 according to question 131 of the household questionnaire, but we can only match published results using categories 11 to 19.

I would appreciate some guidance.

Thank you in advance,

Thiago Melo
International Center for Equity in Health | Pelotas

Subject: Re: ITNs - India 2019 DHS
Posted by Janet-DHS on Thu, 23 Jun 2022 14:24:39 GMT
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Following is a response from DHS Lead Malaria Research Analyst, Cameron Taylor:

Dear Thiago
Thank you for your question. I am a little unclear how you are getting your results, however, below is code for how to replicate the data that is in Table 2.32 of the India 2019-21 final report using Stata. This might also help you with the issues you are having replicating the data in the Malawi report. This code is also on our Github page
https://github.com/DHSProgram/DHS-Indicators-Stata/tree/mast er/Chap12_ML

```
use "IAHR7AFL.DTA", clear
gen wt=hv005/1000000

//Household mosquito net ownership
gen ml_mosquitonet=0
replace ml_mosquitonet=1 if hv227==1
lab var ml_mosquitonet "Household owns at least one mosquito net"

//Household ITN ownership
```

```
gen ml_itnhh=0
forvalues x=1/7 {
replace ml_itnhh=1 if hml10_`x'==1
      }
lab var ml_itnhh "Household owns at least one ITN"

//Percentage of households with at least one mosquito net
tab ml_mosquitonet  [iw=wt]

//Percentage of households with at least one ITN
tab ml_itnhh  [iw=wt]
```

File Attachments

Subject: Re: ITNs - India 2019 DHS
Posted by Janet-DHS on Thu, 23 Jun 2022 14:26:58 GMT
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Following is a response from Senior DHS Specialist, Fred Arnold:

The response categories for the type of net in NFHS-5 are as follows:

LONG-LASTING
 INSECTICIDE-
 TREATED NET (LLIN)
  DAWA PLUS . 11
  DURANET . 12
  INTERCEPTOR . 13
  LIFENET . 14
  MAGNET . 15
  NETPROTECT . 16
  OLYSET . 17
  PERMANET . 18
  ROYAL SENTRY . . 19
  YORKOOL . 20
  OTHER/
   DK BRAND . 26

OTHER TYPE .   96
DK TYPE .   98

Subject: Re: ITNs - India 2019 DHS
Posted by Thiago Melo on Mon, 17 Oct 2022 14:01:45 GMT

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Dear Janet, Cameron and Fred,

Thank you for your reply. You are using hml10_X in your code and we were using hml7_ in ours. If we compare both (e.g., tab hml7_1 hml10_1, m), the categories for YORKOOL (20) and OTHER/DK BRAND (26) are not classified as ITNs in hml10_X, even though they are under the LONG-LASTING INSECTICIDE-TREATED NET (LLIN) group.

Why would that be?

Kind regards,
Thiago