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Subject: Re: Malaria

Posted by [Bridgette-DHS](#) on Fri, 13 Apr 2018 12:02:42 GMT

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Following is a response from DHS Senior Research Associate, Cameron Taylor:

If you are wanting to calculate ITN Ownership you would need to use the HR file. This is because the unit of analysis is the household. When you see hml10\_1 that is net treatment information about net 1, hml10\_2 is the net treatment information about net 2, etc. It is broken into separate variables because each row in the dataset is a household.

If you are wanting to calculate ITN Use you need to use the PR file. This is because the unit of analysis is people so the information is about the net that person slept under the previous night. I have included the information below how to calculate children <5 sleeping under an ITN the previous night in the PR file and ITN ownership in the HR file.

Please be cautious when analyzing data that is in a PR/KR merge. There are kids in the PR file for whom we don't have information in the KR file. Remember that the information in the KR file is only from children <5 of interviewed mothers. If the mother wasn't interviewed we don't have that information. For example we might know if they slept under an ITN the previous night but we don't have information about their fever history etc.

\*ITN USE in PR FILE

use PRfile.dta

g wt = hv005/1000000

\*\*ITN used the night before the survey

g itn=(hml12==1)

lab var itn "ITN used the night before the survey"

\* Proportion of children under 5 years old who slept under an ITN the previous night

tab itn if hv103==1 & hml16<5 [iweight=wt]

\*ITN OWNERSHIP in HR File

use HRfile.dta

g wt = hv005/1000000

egen ITNinHH = rowmax(hml10\_1-hml10\_7)

replace ITNinHH=0 if ITNinHH==.

\* Proportion of households with at least one ITN

tab ITNinHH [iweight=wt]

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