
Subject: Calculating malaria prevalence (Tanzania: Standard AIS, 2011-12)

Posted by [NinaB](#) on Mon, 21 Nov 2016 11:19:54 GMT

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Hi,

I'm trying to reproduce the malaria prevalences (by mRDT and microscopy) for children 6-59 months which can be found in the Tanzania AIS 11/12 final report on page 157. I watched the DHS youtube videos on sampling and weighting and read some other threads in this forum. However, I was not able to get exactly the same numbers as in the report. I'm using the household member dataset (PR) and my stata code so far looks like this:

*Parasitemia (via microscopy) in children 6-59 months

gen micmalpos=0

replace micmalpos=(hml32==1)

lab var micmalpos "Parasitemia (via microscopy) in children 6-59 months"

*Parasitemia (via mRDT) in children 6-59 months

gen rdtmalpos=0

replace rdtmalpos=(hml35==1)

lab var rdtmalpos "Parasitemia (via mRDT) in children 6-59 months"

*Creating weight variable

gen wgt=hv005/1000000

*Survey setting the data

svyset [pw=wgt], psu(hv021) strata(hv023)

*Proportion of children 6-59 months old with malaria infection (microscopy) by Region

svy: mean micmalpos if hc1>=6 & hc1<=59 & hml33==0, over(hv024)

*Proportion of children 6-59 months old with malaria infection (mRDT) by Region

svy: mean rdtmalpos if hc1>=6 & hc1<=59 & hml33==0, over(hv024)

Does anyone have an idea what I'm doing wrong. Thanks for helping me.

Nina
