Subject: Svyset in Stata for HIV results and ART use data
Posted by petermacpherson on Thu, 18 Jul 2013 14:20:49 GMT
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Hello,

I am conducting a study investigating the prevalence of HIV-negative status on HIV testing among individuals who report that they are currently taking antiretrovirals. I plan to conduct this analysis using data from DHS surveys in sub-Saharan Africa, but have started with the Malawi 2010 DHS to get a feel for the data. I am using Stata 12.1 for analysis.

So far, with the Malawi 2010 DHS, I have appended the men's individual records to the women's individual records and merged with the HIV testing records, following instructions in a previous forum post.

However, I am not completely sure about how to procedure from here. I am stuck on three main areas:

1) I am not sure about how to correctly "svyset" the data in Stata. This is my code:
gen psu=v021
egen strata = group(v024 v025), label
gen weight=hiv05/1000000
svyset psu [pweight=weight], strata(strata)

Is this correct? I am relatively unfamiliar with analysing survey data.

2) Estimating the prevalence of HIV-negativity among individuals who report taking ART. Again, I am not sure if this is correct syntax
svy: tab hiv03 s1318

3) Finally, I want to construct a logistic regression model to investigate potential risk factors for HIV-negative status in individuals who report taking ART (e.g. sex, age group etc)
My intention is to generate a new variable (hivneg_art) with 1=HIV negative and taking ART, and 0=HIV positive and taking ART.

My code for analysis would then be:

xi:svy: logistic hivneg_art i.sex

Is this correct?

Thanks so much for the assistance.