Subject: how to set svyset with three-stage sampling data (Nigeria 2013)
Posted by machiyama on Tue, 04 Jul 2017 16:50:53 GMT
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Dear DHS Forum,

I started using the 2013 Nigeria DHS and have a question.

According to the description in the final report (see below), it looks the samples in the 2013
Nigeria DHS were selected in 3 stage, unlike the other DHSs.
I wonder if we could still use the same svyset command.

egen strata=group(sstate v025)
gen weight=v005/1000000
svyset v021 [pweight=weight], strata(strata)

How should we set svyset for this data?
Any advice will be appreciated.

Thank you, in advance.
Best regards,

FYI- Here is description of the sampling in the final report.
Page 378 in the final report. https://dhsprogram.com/pubs/pdf/FR293/FR293.pdf

"The sample for the 2013 NDHS was a stratified sample, selected independently in three stages
from the sampling frame. Stratification was achieved by separating each state into urban and rural
areas. In
the first stage, 893 localities were selected with probability proportional to size and with
independent
selection in each sampling stratum.

In the second stage, one EA was randomly selected from most of the selected localities with an
equal probability selection. In a few larger localities, more than one EA was selected. In total, 904
EAs
were selected. After the selection of the EAs and before the main survey, a household listing
operation was
carried out in all of the selected EAs. The household listing consisted of visiting each of the 904
selected
EAs, drawing a location map and a detailed sketch map, and recording on the household listing
forms all
occupied residential households found in the EA with the address and the name of the head of the
household. If a selected EA included less than 80 households, a neighbouring EA from the
selected locality
was added to the cluster and listed completely. The resulting list of households served as the
sampling
frame for the selection of households in the third stage"