Subject: Re: Trouble understanding variable nomenclature eg.
HML32_01,HML32_02,...
Posted by Liz-DHS on Mon, 27 Jun 2016 21:04:00 GMT
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Dear User,
Here is a response from malaria expert, Cameron Taylor who also noticed you had posted other
messages to the forum. Her answer hopefully will help you with all the posts you posted so far.
Quote:
Dear SonjaMM,
Thanks for your question, hopefully this will help better clarify.

It looks like you are in the household file (MZHR62FL). In the household file each row contains
information about only one household. So the variables (represented by columns) contains data
for each household. Most households have multiple people so we can't just have one variable that
contains all the malaria data about everyone in that household. So that is why you are seeing
multiple HML32 variables. Keep in mind that for most surveys we are only testing children
between the ages of 6-59 months old. That is why you will see a lot of blank data for the
HML32_01-HML32_24 variables because most household members were not tested unless they
were between the ages of 6-59 months.
For example:
HML32_01 is malaria blood smear test data for person number 1 in the household roster
HML32_02 is malaria blood smear test data for person number 2 in the household roster
etc, up until person number 24 in the household roster.

Depending on your research question the HR file might not be the file that you would like to use
for your analysis. Most of the time users who are interested in malaria parasitemia data will use
the PR file (in the case of Mozambique MZPR62FL) because your unit of analysis is an individual
not a household. This file has all the household members listed as rows in the dataset with one
variable (HML32) containing their individual malaria test results. If you are interested in calculating
parasitemia via microscopy in children 6-59 months you can use the Stata code below. If you are
using another statistical software you can update the coding accordingly.

*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"

*Creating weight variable
gen wgt=hv005/1000000

*Survey setting the data
svyset [pw=wgt], psu(hv021) strata(hv024)

* Proportion of children 6-59 months old with malaria infection (microscopy)
svy: tab micmalpos if hc1>=6 & hc1<=59 & hv103==1 & hml33==0 , ci

Let us know if you have any other questions