

SE03 Calculate

Sampling errors for water and sanitation variables are calculated based on household file (weighted by total household members), and not household member file.

The following is added under the household data file section, before the variables from the household listing:

```
*-----  
Weight by household members.  
compute hhweight = hhweight*hh11.  
*-----  
Use of improved drinking water sources.  
  
compute improved = 0.  
if (WS1 = 11 or WS1 = 12 or WS1 = 13 or WS1 = 21 or WS1 = 31 or WS1 = 41 or WS1 = 51)  
improved = 1.  
if ((WS2 = 11 or WS2 = 12 or WS2 = 13 or WS2 = 21 or WS2 = 31 or WS2 = 41 or WS2 = 51)  
and WS1 = 91) improved = 1.  
variable label improved "Use of improved drinking water sources".  
  
*-----  
Use of improved sanitation facilities.  
  
recode WS7 (11,12,13,21,22,31 = 1) (else = 0) into sanitary.  
variable label sanitary "Use of improved sanitation facilities".  
  
*-----  
Calculate sampling errors.  
  
CSPLAN ANALYSIS  
/PLAN FILE='micsplan.csplan'  
/PLANVARS ANALYSISWEIGHT=hhweight  
/DESIGN STRATA= strat CLUSTER= HH1  
/ESTIMATOR TYPE=WR.  
  
* Complex Samples Descriptives.  
CSDESCRIPTIVES  
/PLAN FILE = 'micsplan.csplan'  
/SUMMARY VARIABLES = improved sanitary  
/MEAN  
/STATISTICS SE CV COUNT POPSIZE DEFF DEFFSQRT  
/MISSING SCOPE = ANALYSIS CLASSMISSING = EXCLUDE.
```

Also removed the calculation of the water and sanitation variables from under the household listing variables, and

```
changed  
/SUMMARY VARIABLES = improved sanitary primary second plgrade working orphan vulne  
to  
/SUMMARY VARIABLES = primary second plgrade working orphan vulne
```

*

Marriage before age 18.

Changed

do if (WM9 >= 20 and WM9 <= 24).

to

do if (WM9 >= 20)

Sampling errors.xls

Confidence interval formulae have been modified to correct lower and upper limits to restrict range of values to a lower limit of 0 and an upper limit of 1.