Subject: Households with enough ITNs for every 2 people and or protected by IRS
Posted by Nelly_WHO on Fri, 28 Apr 2017 15:23:20 GMT
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Hi,
My results are slightly different from the results in STAT compiler. We might have a different denominator I guess, but could you let me know what is different from your code?
Thank you very much in advance,
Nelly

Households with at least one insecticide-treated mosquito net (ITN) for every two persons and/or indoor residual spraying (IRS) in the past 12 months

```
  // number of ITNs
   local ITNvar bednet_is_itn*
   egen nbITN = rowtotal(`ITNvar')

  // HH with at least 1 ITN
   gen EnITNs=0
   replace EnITNs = 1 if ((nbITN*2/hv013)>= 1)

  // Determine whether the survey has the IRS variable
   cap confirm variable hv253
   if _rc == 0 {
    summ hv253
    if `r(N)' != 0 {
     gen IRS12=0
     replace IRS12=1 if hv253==1 &
(hv253a==1|hv253b==1|hv253c==1|hv253d==1|hv253e==1|hv253f==1 |hv253g==1|hv253h==1)
    }
    summ hv253
    if `r(N)' == 0 {
     gen IRS12=.
    }
   }
   cap confirm variable hv253
   if _rc != 0 {
     gen IRS12=.
   }

  // HH with at least 1ITN and/or IRS
   gen EnITNsorIRS12=0
   replace EnITNsorIRS12=1 if (EnITNs == 1 | IRS12 == 1)

  // loop through to calculate survey-weighted means & SEs
   svyset [pweight=sample_weight], psu(cluster_num)
   local m EnITNsorIRS12
```

```
// TOTAL
 svy: mean `m' if hv013>=1
 ereturn list
 matrix mean_matrix = e(b)
 matrix variance_matrix = e(V)
 local mean = mean_matrix[1,1]
 local se = sqrt(variance_matrix[1,1])
 gen prop_`m' = `mean'
 gen seprop_`m' = `se'
 gen uci_`m' = prop_`m' + 1.96*seprop_`m'
 gen lci_`m' = prop_`m' - 1.96*seprop_`m'
 drop seprop*
```