
Subject: Re: Households with enough ITNs for every 2 people and or protected by IRS

Posted by [Liz-DHS](#) on Thu, 11 May 2017 18:45:08 GMT

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A response from malaria expert, Cameron Taylor:

Quote:

Hi Nelly,

While I can't pinpoint what the issue is in your code I can express caution in that in Stata if you divide by zero Stata yields a missing value. For example some households have a 0 value for hv013 which Stata changes to missing. Not sure if that is your issue or not.

Regardless here is code using Uganda 2014-15 MIS as an example

```
use "UGHR72FL.DTA", clear
```

```
gen wt=hv005/1000000
```

```
**Number of ITNs per household
```

```
g numitnhh=0
```

```
    forvalues x=1/7 {  
        generate itnhh_0`x'=(hml10_`x'==1)  
    }
```

```
replace numitnhh=itnhh_01 + itnhh_02 + itnhh_03 + itnhh_04 + itnhh_05 + itnhh_06 + itnhh_07
```

```
lab var numitnhh "Number of ITNs per Household"
```

```
**Number of ITNs per person (de facto household member)
```

```
g itnpp=numitnhh/hv013
```

```
replace itnpp=0 if itnpp==.
```

```
lab var itnpp "Number of ITNs per person"
```

```
**Households with at least one ITN per every 2 people (de facto household members)
```

```
g uc=(itnpp>=0.5)
```

```
lab var uc "Households with at least one ITN per every 2 people (de facto household members)"
```

```
**IRS
```

```
**Was the household sprayed in the past 12 months by someone other than a household member
```

```
g irs=0
```

```
    foreach x in a b c d e f g h {  
        replace irs=1 if hv253==1 & hv253`x'==1  
    }
```

```
lab var irs "Household sprayed in the past 12 months by someone other than a household member"
```

```
**ITN or IRS
```

```
**Does the household own at least one ITN OR was it sprayed by IRS in past 12 months?
```

```
g anyprot = 0
```

replace anyprot=1 if (irs==1|uc==1)

lab var anyprot "household own at least one ITN OR was it sprayed by IRS in past 12 months"

tab anyprot [iweight=wt]
