Subject: Creating a household level variable
Posted by Mercysh on Wed, 19 Nov 2014 17:15:23 GMT
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I am trying to generate a variable household composition using ages of household members (hv105) in households in which at least a member is aged 0-19 years. The categories should be adult presence (ages 20-59), older adult (ages 60 and over) and children-adolescents only (0-19 years). In multigenerational households the order of precedence should be the same as above. I have the following code but it does not seem to work:
I use the Lesotho 2009 (LSPR60FL.DTA) household dataset and keep only if hv105>=97 & hv102==1
****

sort hhid
egen hhrestrict=tag(hhid)

*Create Adolescents
gen adolescents =.
replace adolescents =1 if hv105 <=15 & hv105>=17

*Households with adolescent member
egen hhadolescents = max(adolescents), by (hhid)
tab hhadolescents if hhrestrict==1

**Household composition
gen household_composition=.
replace household_composition =1 if(hv105 >=20 & hv105 <=59) & hhadolescents ==1 & hhrestrict ==1
replace household_composition =2 if hv105 >=60 & hhadolescents ==1 & hhrestrict ==1
replace household_composition =3 if hv105 <=19 & hhadolescents ==1 & hhrestrict ==1

I merge with the (LSIR60FL.DTA) individual dataset after restricting to if v502==0, v012 <=17, v135==1, v531 >=90 and is still fine, the first output is
. tab household_composition

Household composition	Freq.	Percent	Cum.
Adult	683	65.74	65.74
Older adult	263	25.31	91.05
Child-adolescents only	93	8.95	100.00
Total	1,039	100.00	

and only a problem when I add the svy command here:

svy: tab household_composition and gives the following output:

Number of strata   =   19   Number of obs   =   63
Number of PSUs   =   53   Population size   = 62.20275
                              Design df   =   34

```
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Household |
compositi |
on        | proportions
----------+------------
 Child-ad |          1
----------------------
  Key:  proportions  =  cell proportions
```

I have already svyset
generate weight= v005/1000000
svyset [pw=weight], psu(hv021) strata(hv023)

Please advise

Thank you