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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	

-----  
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