
Subject: Table 2.11 South Africa DHS 2016 _ Children's living arrangements and orphanhood

Posted by [Mlue](#) on Mon, 25 Feb 2019 11:18:21 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello,

I am trying to match the results contained in Table 2.11 (Children's living arrangements and orphanhood) in the South Africa DHS of 2016.

The code below does not exactly match the results in the abovementioned table. Could someone point me to what I may be missing. Thank you.

```
clear all
set maxvar 9000
set mem 1g
cd "C:\Users\Dubile\Desktop\SADHS 2016 DATA\DATASETS\ZAPR71DT"
use "ZAPR71FL", clear
set more off
sort hhid
```

```
*****
```

```
** WEIGHT VARIABLE
```

```
gen weight = hv005/1000000
```

```
gen psu = hv021
```

```
gen strata = hv023
```

```
svyset psu [pw = weight], strata(strata) vce(linearized)
```

```
*****
```

```
*****
```

```
* orphanhood typology
```

```
gen orphan_type=.
```

```
replace orphan_type=1 if hv111==1 & hv113==1
```

```
replace orphan_type=2 if hv111==1 & hv113==0
```

```
replace orphan_type=3 if hv111==0 & hv113==1
```

```
replace orphan_type=4 if hv111==0 & hv113==0
```

```
replace orphan_type=5 if (hv111>1 & hv111<.) | (hv113>1 & hv113<.)
```

```
* coresidence typology
```

```
* hv112r and hv114r identify parents who are in the household AND are de jure residents
```

```
gen hv112r=0
```

```
replace hv112r=1 if hv112>0 & hv112<98
```

```
gen hv114r=0
replace hv114r=1 if hv114>0 & hv114<98
```

```
cap drop cores_type
gen cores_type=.
replace cores_type=1 if hv112r==1 & hv114r==1
replace cores_type=2 if hv112r==1 & hv114r==0
replace cores_type=3 if hv112r==0 & hv114r==1
replace cores_type=4 if hv112r==0 & hv114r==0
```

* combined orphanhood and coresidence typology

```
gen orphan_cores_type=10
replace orphan_cores_type= 1 if orphan_type==1 & cores_type==1 //
replace orphan_cores_type= 2 if orphan_type==1 & cores_type==2 //
replace orphan_cores_type= 3 if orphan_type==2 & cores_type==2
replace orphan_cores_type= 4 if orphan_type==1 & cores_type==3 //
replace orphan_cores_type= 5 if orphan_type==3 & cores_type==3
replace orphan_cores_type= 6 if orphan_type==1 & cores_type==4 //
replace orphan_cores_type= 7 if orphan_type==3 & cores_type==4
replace orphan_cores_type= 8 if orphan_type==2 & cores_type==4
replace orphan_cores_type= 9 if orphan_type==4 & cores_type==4
replace orphan_cores_type=10 if orphan_type==5
```

```
#delimit ;
```

```
label define orphan_type 1 "Both parents alive" 2 "Mother alive, father dead"
3 "Father alive, mother dead" 4 "Both parents dead" 5 "Info missing";
```

```
label define cores_type 1 "Living with both parents" 2 "With mother, not father"
3 "With father, not mother" 4 "Living with neither parent";
```

```
label define orphan_cores_type 1 "With both parents" 2 "With mother only, father alive"
3 "With mother only, father dead" 4 "With father only, mother alive"
5 "With father only, mother dead" 6 "With neither, both alive"
7 "With neither, only father alive" 8 "With neither, only mother alive"
9 "With neither, both dead" 10 "Survival info missing";
#delimit cr
```

```
label values orphan_type orphan_type
label values cores_type cores_type
label values orphan_cores_type orphan_cores_type
```

* not living with a biological parent {both parents are alive, but lives with neither of them}

```
gen with_neither_parent=0
replace with_neither_parent=1 if cores_type==4 & orphan_type==1
```

* one or both parents dead

* note that the allocation of hv111 and hv113 codes other than 0 and 1 is

* slightly different in the table than in "Info missing" above

```
gen one_or_both_parents_dead=0
replace one_or_both_parents_dead=1 if hv111==0 | hv113==0
```

```
*****
```

```
** DROP IF NOT WITHIN SAMPLE
keep if orphan_type & hv102==1 & hv105 <18
```

```
*****
```

```
** CHECK
svy: tab hv270 orphan_cores_type, count format(%4.0f) miss
svy: tab hv270 orphan_cores_type, percent format(%4.1f) miss row
```

```
tab hv270 orphan_cores_type [iw=weight], miss row nof
```

```
exit
```