
Subject: Hypertension

Posted by [pramesh](#) on Sat, 27 Apr 2019 00:48:10 GMT

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Dear DHS forum,

I am using South Africa recent DHS and trying to match the total sample for hypertension among male and female. But number does not match with the report.

Can anyone suggest me to resolve this problem?

The following is the program a used:

```
clear
set more off
**cd "F:\Files2010\Non_communicable_diseases\SouthAfrica\***
use ZAPR71FL.DTA

count // total of 699686 observations
*preserve
*keep if v213==1 // to restrict for pregnant women 15-49 years of age
count // 32,428 pregnant women at the time of survey
gen sys=.
gen dia=.

replace sys = (sh321a + sh328a)/2 if inrange(sh321a,20,299) & inrange(sh332a,20,299) &
inrange(sh321a,20,299) & inrange(sh332a,20,299)

replace dia = (sh321b + sh328b)/2 if inrange(sh321b,20,299) & inrange(sh332b,20,299) &
inrange(sh321b,20,299) & inrange(sh332b,20,299)

***rename ***

rename sys sbp
rename dia dbp

drop if sbp==.|dbp==. //drop 1609 cases who refused, technical problems and or missing

count // total sample size

//Outcome(1)Pre-hypertension
gen pht=0 if sbp!.=|dbp!.=
```

```
replace pht=1 if (sbp>=120 & sbp<=139) | (dbp>=80 & dbp<90)
label var pht "Pre-hypertension"
tab pht
// Outcome(2)Hypertension
gen ht=0 if sbp!=.| dbp!=.
replace ht=1 if (sbp>=140 | dbp>=90) & (sbp!=. |dbp!=.)
label var ht "Hypertension"
tab ht
```

```
// Outcome(3)normal
```

```
gen normal=0 if sbp!=.| dbp!=.
replace ht=1 if (sbp<120 | dbp<80) & (sbp!=. |dbp!=.)
label var normal "Hypertension"
tab normal
```

```
su sbp dbp, d
```

```
gen pht1=. if sbp!=.|dbp!=.
replace pht1=0 if (sbp <120 & sbp~=. ) | (dbp <80 & dbp~=. )
replace pht1=1 if (sbp>=120 & sbp<=139) | (dbp>=80 & dbp<90)
replace pht1=2 if (sbp>=140 & sbp<=159) | (dbp>=90 & dbp<100)
replace pht1=3 if (sbp>=160 & sbp<=179) | (dbp>=100 & dbp<110)
replace pht1=4 if (sbp>=180 & sbp~=. ) | (dbp>=110 & dbp~=. )
label define pht1 0 "Normal" 1 "pre hp" 2 "Stage1 hp" 3 "Stage2 hp" 4 "Stage3 hp"
label value pht1 pht1
label var pht1 "Hp cat"
tab pht1
gen rweight=hv005/1000000
svyset hv021 [pweight=rweight], strata(hv023) vce(linearized) singleunit(missing)
```

```
svy:tab pht1, count
```

Thank you so much.