
Subject: Re: Diastolic measure for India DHS 2019-21
Posted by govind@iips.net on Sun, 04 Sep 2022 11:14:12 GMT
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Dear All,

Currently, I am trying to match the sample size and prevalence of hypertension in India using the person file of DHS data 2019-21. I have used the following codes but cannot match the prevalence percentage and sample size with the final report of the National Family Health Survey (NFHS) 2019-21 report (tables 12.3.1 and 12.3.2). Please help me to match the prevalence percentage and sample size. The codes are:

```
gen sys = .  
gen dia = .  
* if the first measure is given  
replace sys = shb18s if inrange(shb18s,20,299) & inrange(shb18d,20,299)  
replace dia = shb18d if inrange(shb18s,20,299) & inrange(shb18d,20,299)  
* if the second measure is given take it  
replace sys = shb25s if inrange(shb25s,20,299) & inrange(shb25d,20,299)  
replace dia = shb25d if inrange(shb25s,20,299) & inrange(shb25d,20,299)  
* if the third measure is given take the last  
replace sys = shb29s if inrange(shb29s,20,299) & inrange(shb29d,20,299)  
replace dia = shb29d if inrange(shb29s,20,299) & inrange(shb29d,20,299)  
* if all measures are given, then average the last two  
replace sys = (shb25s + shb29s)/2 if inrange(shb29s,20,299) & inrange(shb29d,20,299) &  
inrange(shb25s,20,299) & inrange(shb25d,20,299)  
replace dia = (shb25d + shb29d)/2 if inrange(shb29s,20,299) & inrange(shb29d,20,299) &  
inrange(shb25s,20,299) & inrange(shb25d,20,299)
```

```
gen ht=.  
replace ht=1 if (sys>139|dia>89) & shb21==1 & (sys~=. |dia~=.)  
replace ht=0 if ht==. & (sys~=. |dia~=.)
```

Thanking you.
