
Subject: Matching blood pressure results

Posted by [RebeccadeVlieg](#) on Thu, 10 Dec 2020 11:52:18 GMT

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Dear DHS experts,

I am trying to match the South Africa DHS 2016 with the report table 16.7.1 and 16.7.2 (Blood pressure status of men and women). However, I am unable to match total number of women and the systolic and diastolic mean pressure with the report. I end up with more women compared to the numbers in the report. I have attached my results and the DHS report results to this message.

I used the following coding in SPSS to calculate the blood pressure of Women:

Use file ZAPR71FL.SAV (*householdfile)

```
RENAME VARIABLES HVIDX= HIVLINE HV001= HIVCLUST HV002= HIVNUMB HV105= Age
SH221A = SysBP1_W SH228A = SysBP2_W SH232A= SysBP3_W SH221B= DiasBP1_w
SH228B= DiasBP2_W SH232B = DiasBP3_W
```

```
RECODE Age (15 thru 24=1) (25 thru 34=2) (35 thru 44=3) (45 thru 54=4) (55 thru 64=5) (65 thru
Highest=6) INTO Age_Groups_BP.
```

```
VARIABLE LABELS Age_Groups_BP 'age groups'.
```

```
EXECUTE.
```

```
RECODE DiasBP1_W (994=SYSMIS) (995=SYSMIS) (996=SYSMIS).
```

```
EXECUTE.
```

```
RECODE DiasBP2_W (994=SYSMIS) (995=SYSMIS) (996=SYSMIS).
```

```
EXECUTE.
```

```
RECODE DiasBP3_W (994=SYSMIS) (995=SYSMIS) (996=SYSMIS).
```

```
EXECUTE.
```

```
RECODE SysBP1_W (994=SYSMIS) (995=SYSMIS) (996=SYSMIS).
```

```
EXECUTE.
```

```
RECODE SysBP2_W (994=SYSMIS) (995=SYSMIS) (996=SYSMIS).
```

```
EXECUTE.
```

```
RECODE SysBP3_W (994=SYSMIS) (995=SYSMIS) (996=SYSMIS).
```

```
EXECUTE.
```

I cleaned for implausible values as follows:

```
RECODE SysBP1_W SysBP2_W SysBP3_W SysBP1_M SysBP2_M SysBP3_M (240 thru
Highest=SYSMIS) (Lowest thru
70=SYSMIS).
```

```
EXECUTE.
```

```
RECODE DiasBP1_W DiasBP2_W DiasBP3_W DiasBP1_M DiasBP2_M DiasBP3_M (130 thru
Highest=SYSMIS)
(Lowest thru 40=SYSMIS).
```

EXECUTE.

To obtain all numbers in the average I had to make the sysmis zero

```
RECODE SysBP1_W SysBP2_W SysBP3_W (SYSMIS=0).  
EXECUTE.
```

```
RECODE DiasBP1_W DiasBP2_W DiasBP3_W (SYSMIS=0).  
EXECUTE.
```

Calculating the average of BP

```
COMPUTE SysBP_W_average = (SysBP2_W + SysBP3_W)/2 .
```

Execute.

```
IF (SysBP3_W = 0) SysBP_W_average = SysBP2_W.
```

```
IF (SysBP2_W = 0) SysBP_W_average = SysBP3_W.
```

```
IF (SysBP2_W= 0 AND SysBP3_W=0) SysBP_W_average=SysBP1_W.
```

EXECUTE.

```
RECODE SysBP_W_average (0=SYSMIS).
```

```
COMPUTE DiasBP_W_average = (DiasBP2_W + DiasBP3_W)/2 .
```

Execute.

```
IF (DiasBP3_W = 0) DiasBP_W_average = DiasBP2_W.
```

```
IF (DiasBP2_W = 0) DiasBP_W_average = DiasBP3_W.
```

```
IF (DiasBP2_W= 0 AND DiasBP3_W=0) DiasBP_W_average=DiasBP1_W.
```

EXECUTE.

```
RECODE DiasBP_W_average (0=SYSMIS).
```

EXECUTE.

Putting the weight on

```
Compute WGT = HV005/1000000.
```

Weight by WGT.

Could you please help me to resolve this matching problem?

Many thanks!

File Attachments

1) [Results_DHS_South Africa.docx](#), downloaded 745 times
