

Subject: Re: analyzing blood pressure and blood glucose
 Posted by Trevor-DHS on Tue, 14 Jun 2016 22:56:47 GMT
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I reviewed the information you provided and the data in the datasets, and I'm giving some summaries based on the Stata data below:

1) The sample is all men and women age 35-64 in the half of households that were selected for the men's questionnaire.

```
. tab hv104 if hv027==1 & hv105>=35 & hv105<= 64,m
```

sex of household member	Freq.	Percent	Cum.
male	2,163	45.57	45.57
female	2,584	54.43	100.00
Total	4,747	100.00	

From this you can see that 2,584 women and 2,163 men were eligible for these tests. These numbers are unweighted as they are the actual numbers tested in the survey.

2) From these cases, a total of 3,634 (2,085 women and 1,530 men) granted consent for blood pressure testing, and 3,316 (1,937 women and 1,379 men) granted consent for blood glucose testing (unweighted again). These numbers translated into the percentages as shown below.

```
. tab sh333 hv104 if hv027==1 & hv105>=35 & hv105<= 64, col m
```

blood pressure measurement granted	sex of household member male	sex of household member female	Total
no	19	19	38
	0.88	0.74	0.80
yes	1,530	2,085	3,615
	70.74	80.69	76.15
.	614	480	1,094
	28.39	18.58	23.05
Total	2,163	2,584	4,747
	100.00	100.00	100.00

```
. tab sh336e hv104 if hv027==1 & hv105>=35 & hv105<= 64, col m
```

read consent statement (blood	sex of household member
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glucose)	male	female	Total
granted	1,379	1,937	3,316
	63.75	74.96	69.85
refused	9	10	19
	0.42	0.39	0.40
respondent not presen	46	21	67
	2.13	0.81	1.41
.	729	616	1,345
	33.70	23.84	28.33
Total	2,163	2,584	4,747
	100.00	100.00	100.00

3) The numbers presented in the coverage of testing are unweighted numbers as they related to the testing in the survey, and not to estimates for the population. The numbers in table 17.4.1 and 17.4.2, and in 17.7.1 and 17.7.2 are weighted as the percentage estimates are for the population. These tables also include slightly less cases than above as some cases had out of range values and are excluded from the tables see the extra conditions used below.

. tab hv104 if sh333 == 1 & sh335aa >= 30 & sh335aa <= 300 & sh335ab >= 0 & sh335ab <= 160 [iw=hv005/1000000], m

sex of household member	Freq.	Percent	Cum.
male	1,405.9812	40.71	40.71
female	2,047.6235	59.29	100.00
Total	3,453.6047	100.00	

. tab hv104 if sh336e == 1 & sh336k >= 0 & sh336k <= 222 [iw=hv005/1000000], m

sex of household member	Freq.	Percent	Cum.
male	1,221.3445	39.47	39.47
female	1,873.0363	60.53	100.00
Total	3,094.3808	100.00	

I hope this helps explain the differences that you see.