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Subject: Re: STATA code for food insecurity access scale(FIES), Anxiety(GAD-7) and Depression(PHQ-9)

Posted by [Trevor-DHS](#) on Wed, 14 Feb 2024 18:28:18 GMT

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The recode file includes the probabilities for each case in the variables hfs\_mod and hfs\_sev. These variables have 8 implied decimal places, so you need to divide by 10<sup>8</sup>, but that would provide proportions. To produce percentages as in the report, you need to multiply by 100, so in practice the values are divided by 1000000. You can use these probabilities in means to calculate the percentage of de facto households members with a moderate or severe risk of food insecurity as follows:

```
use "NPPR82FL.DTA"
* 8 implied decimals for hfs_mod and hfs_sev, but less 2 decimals to make it a percentage rather
than a proportion - 6 zeros needed below
gen mod = hfs_mod/1000000
gen sev = hfs_sev/1000000
gen wgt = hv005/1000000 // 6 implied decimals for weight
* means
mean mod [iw=wgt] if hv102 == 1
mean sev [iw=wgt] if hv102 == 1
```

This gives the following results:

```
. mean mod [iw=wgt] if hv102 == 1
```

Mean estimation                      Number of obs = 54,144

```
-----
      |      Mean   Std. err.   [95% conf. interval]
-----+-----
mod |  12.48814   .1177041    12.25744    12.71884
-----
```

```
. mean sev [iw=wgt] if hv102 == 1
```

Mean estimation                      Number of obs = 54,144

```
-----
      |      Mean   Std. err.   [95% conf. interval]
-----+-----
sev |   1.332236   .0349331    1.263767    1.400705
-----
```

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