Subject: Re: Why I am getting different total observations when using iweight for tabulating a variable
Posted by Bridgette-DHS on Thu, 09 Feb 2023 18:12:35 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

I am pretty sure that this is another manifestation of the fact that hv005 is normalized (so that total units = total weight, except for the factor of 1000000) for households, not individuals. That is, if you did the same thing in the HR file, you would get the consistency you expect, even though you do not get it in the PR file. You are ok--the discrepancy is small and we (the DHS research team) ignore it. If you want, you can re-normalize hv005 in the PR file by multiplying by a factor. The following lines will construct a normalized weight for the PR file.

gen unwtd=1000000
total unwtd hv005
matrix B=e(b)
matrix list B
scalar list sfactor
gen hv005_PR=round(sfactor*hv005)

I usually advise against using aweight. You can read what Stata says ("help weight") about aweight.