I am using the Household Member Recode (PR) file, NFHS-4. I am interested in exploring household composition. I had a few questions:

1. Is it methodologically appropriate to use the NFHS to arrive at household composition by state?
2. If so, which weight would you advise to use: household sample weight (v005) or state household weight (SHV005). Currently, I am interested in arriving at a descriptive picture of household composition within one state and later I intend to compare certain HH structures across states.
3. I would like to arrive at household composition using the variable on relation to head of household (HV101). I have created a variable of 'Relation' which includes relationship to head (including head) and sex of each member (eg. female head=1, wife=2, daugther=3, male head=21, husband=22, son-23 etc). I want to analyze households separately by number of members. For instance, in two member households, what percent are wife-husband, what percent are mother-daugther, what percent father-son and so on. If I aggregate (in SPSS) the file by HHID, I am unable to add the 'Relation' variable to the output file since it is for each member (and cannot be aggregated by HHID). Is there any way to work this out?

Alternatively, if I use the split file command, I am able to arrive at what I am looking for, except it shows composition of members by each household (by HHID) and that too for 1000s of households, while I am looking for a count/percent. For instance, attached is a portion of the split file table which shows household composition of two-member households. Each row is for one household and there are around 1200 such rows. Could they be collapsed by common household structure?

Thank you!

File Attachments
1) Screen Shot 2020-03-29 at 1.36.50 AM.png, downloaded 439 times