Subject: Re: Missingness in strata variables (Madagascar MIS- 2011 and 2013)
Posted by Janet-DHS on Wed, 26 Apr 2023 18:31:06 GMT
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Following is a response from DHS staff member, Tom Pullum:

You are right--hv022 is missing in MDPR61 and MDPR6A. hv023, which is often equal to hv022, is also missing. I checked our master list of Strata and it says there is no stratum variable in any of the files for the 2011 and 2013 MIS's in Madagascar. In this case the default is combinations of hv024 and hv025. In Stata, enter "egen stratum_id=group(hv024 hv025)" and then use stratum_id in the svyset command.

I also see that hc1 is missing from the PR file for the Rwanda 2017 MIS (RWPR7A). In the KR file, b19 (age in months) is constructed using the date of interview and the date of birth. I have just confirmed that you can match b19 with "gen b19_test=int((mdy(v006,v016,v007)-mdy(b1,b17,b2))/(365.25/12)) ". If you calculate b19_test with this command, however, you will find that there is one problem case--a child allegedly born on November 31, 2015. November only has 30 days, so mdy returns a dot for that case. You have to change the birthday for that child to November 30, 2015 to match b19 for that case.

In DHS surveys, the PR file includes the month, day, and year of the child's birth, and you could confirm that hc1 is constructed with the mdy() function as above. However, MIS's are not as complete as DHSs and RWPR7A does NOT include the month, day, and year of the child's birth. I don't see how you can construct hc1 to match b19. I do see that the file includes hml16a, "age in months (for children)". I hope this is equivalent to hc1, but I don't see a way to confirm that.