
Subject: Trend Analysis of Neonatal Mortality
Posted by [abkolapo](#) on Thu, 14 Oct 2021 21:33:26 GMT

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Hello DHS Experts,

Its wonderful to be part of this forum. I find it a great and helpful resource for research. Can you please help me out on this?

I am currently working on the trend of neonatal mortality in Nigeria using the Nigeria DHS 2008, 2013 and 2018 (KR files). I intend to find the statistical significance of the differences in NMR in disaggregated variables in the periods 2008-2013, 2013-2018 and 2008 2018. My purpose is to generate a table similar to Table 3.5 in: Winter, Rebecca, Thomas Pullum, Anne Langston, Ndicunguye V. Mivumbi, Pierre C. Rutayisire, Dieudonne N. Muhoza, and Solange Hakiba. Trends in Neonatal Mortality in Rwanda, 2000-2010. DHS Further Analysis Reports No. 88. Calverton, Maryland, USA: ICF International.

I have carefully read other posts addressing similar issues but have not been totally helped. I have about 20 categorical covariates and have disaggregated NMR into each using the Stata formula, `svy linearized: mean NMR, over (variable)`. I combined the three datasets and generated new variables including `cluster_ID`, `stratum_ID` and `survey` as was suggested in a past post. I have tried using the logit regression formula and but remain unsure as to the validity of my findings. How can I calculate the significance of the trends in each variable across the time span?
