Subject: Re: Calculation of in utero, infant mortality, under_5 mortality, vaccination coverage & Birth Cohort
Posted by Janet-DHS on Tue, 11 Jun 2024 19:51:05 GMT
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Following is a response from DHS staff member, Tom Pullum:

There are standard definitions of infant mortality, stillbirths, and perinatal mortality. The denominator of the infant mortality rate is live births. Stillbirths are pregnancy terminations other than live births after 28+ weeks of pregnancy.

Stata programs to calculate the standard mortality rates are given on our GitHub site for generic Chapter 8 of the final report (https://github.com/DHSProgram/DHS-Indicators-Stata).The calculation is much more complex than you describe because it is based on a synthetic cohort approach and subdivides the first year (completed months 0-11) into months 0, 1-2, 3-5, and 6-11. You can definitely apply other definitions but you will not match DHS exactly.

Your approach to vaccinations is basically correct, particularly for "none" and "all basic". You can check against the GitHub recodes (seehttps://github.com/DHSProgram/DHS-Indicators-Stata/blob/master/Chap1 0_CH/CH_VAC.do), You are recoding 8 to NA (a dot) and it should be recoded to 0.

As you probably realize, you cannot relate child survival to vaccinations. The information about vaccinations is only obtained for living children.