Subject: survival analysis
Posted by fngendahimana55@gmail.com on Tue, 17 Apr 2018 11:39:58 GMT
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Hello members
is there someone who can help me out
I want to conduct a survival analysis of under-five children using a retrospective study
but I don't know how to select an appropriate birth cohort because I have 2 different DHS data file (BR, and KR)
I'm not aware also of how I will graph survival graphs (kaplan or hazard)

Thanks

Subject: Re: survival analysis
Posted by Liz-DHS on Fri, 04 May 2018 16:38:26 GMT
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A response from Dr. Shea Rutstein,
Quote:
The BR file of births is the one to use and includes living and dead children. The KR file only has living children.
Kaplan-Meier survival analysis gives a survival curve taking into account right-censoring (i.e. loss to follow-up). We have that if, for example, we want under-five mortality rates for the most recent five-year period since not all children will have been 5 years of age or older at the time of the survey: their experience is truncated by the interview and we don't know what will happen to them at ages less than 5 years in the future. Note that the experience of the older children under age 5 is being used to estimate mortality at the older ages. They will have been born earlier but died recently. There may be a problem with sample size for these estimates. For the mortality at younger ages, say under age 1 year, the experience of most of the children born in the last five years is used.

Kaplan-Meier is usually used to compare two or three groups (e.g. control versus treatment, urban vs. rural, male vs. female).

The Cox proportional hazard regression procedure estimates the hazard rate of a group with a selected characteristic compared with a baseline and is generally used with multiple correlated variables to find the effect of each.