

Hands-on Exercises for Child Mortality

Please complete all exercises using Malawi 2008 census data.

1. Life Tables

- a. Calculate age-specific period mortality rates by 5-year age groups (for each sex separately)
- b. Generate a full single-sex life table for males or females using MortPak
- c. Plot the $l(x)$ curve
- d. Summarize what this analysis suggests about mortality conditions in your country. Do the data make sense?

2. Brass-Type Estimates

- a. Construct the following table for 5-year age group of mother from age 15 – 49. Note any inconsistencies in the data.

Age group of women	Total women	Total children ever born (CEB)	Average CEB	Total children surviving (CS)	Average CS	Proportion of children deceased

- b. Using the table you constructed in part (a) conduct a rapid assessment of the CEB/CS data by comparing your data with the UN Population Divisions' estimate of under-5 mortality. What do you conclude about the quality of the data?
- c. Estimate Brass-type models for this data using the QFIVE application.
- d. Choose two different model life tables and compare the associated estimates of trends in $5q_0$.