**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.

<table>
<thead>
<tr>
<th>Age group of women</th>
<th>Total women</th>
<th>Total children ever born (CEB)</th>
<th>Average CEB</th>
<th>Total children surviving (CS)</th>
<th>Average CS</th>
<th>Proportion of children deceased</th>
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   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 \( 5q_0 \).