

Particles for Humanity

Vaccination Coverage in 4 Study Countries

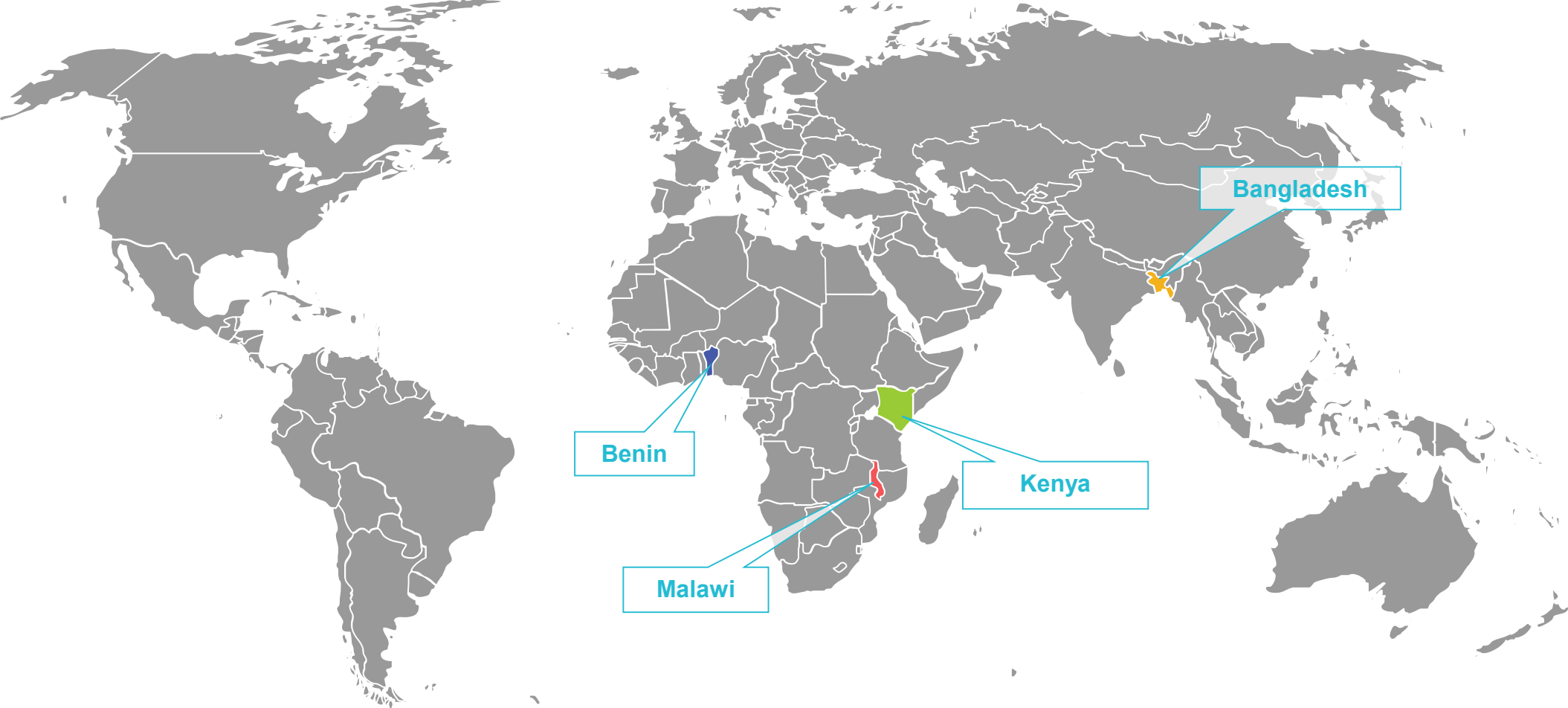
Analysis by Dalberg Research



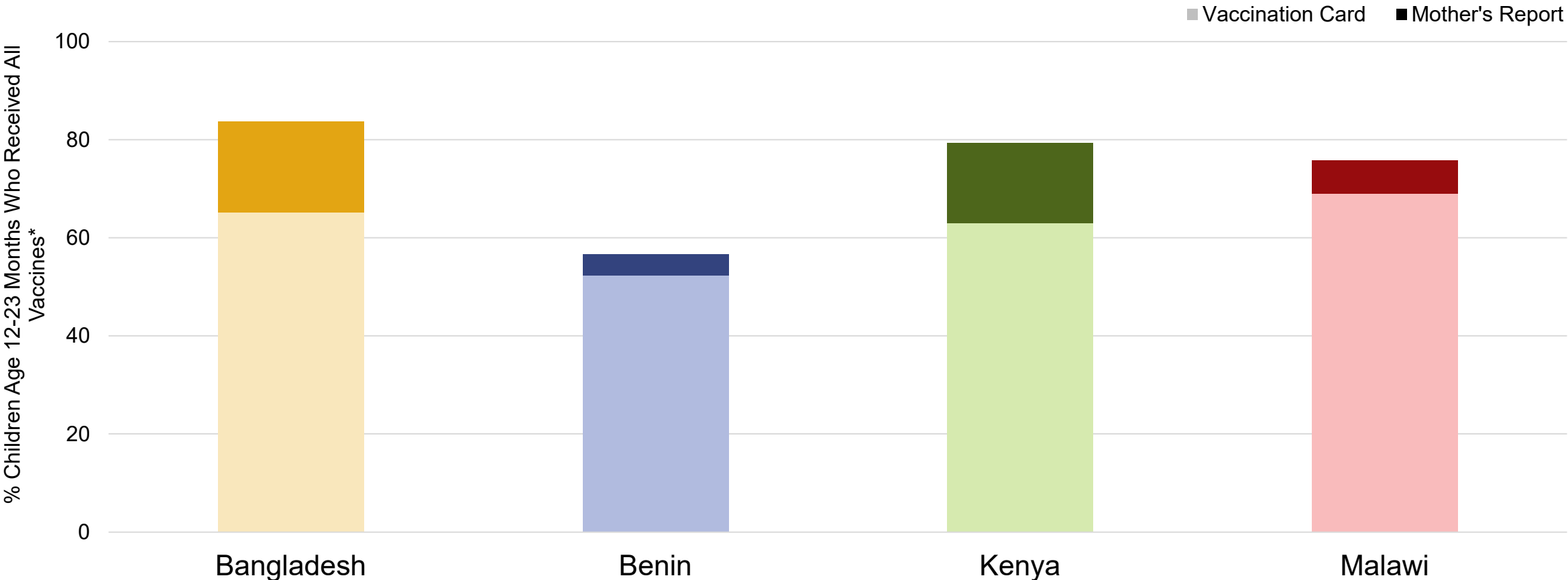
Overview

- Purpose
 - Evaluate vaccination coverage for children age 12-23 months based on different factors in 4 countries: Bangladesh, Benin, Kenya, and Malawi
 - Compare and contrast trends between and within countries
 - Inform sampling for exploratory study that aims to understand vaccination experiences in different countries
- Methods
 - Collate and analyze data from publicly accessible sources (done by Dalberg Research)
- Data sources
 - Bangladesh Demographic and Health Survey 2014
 - Benin Demographic and Health Survey 2017-2018
 - Kenya Demographic and Health Survey 2014
 - Malawi Demographic and Health Survey 2015-2016
 - UNICEF Multiple Indicator Cluster Survey

Study Countries

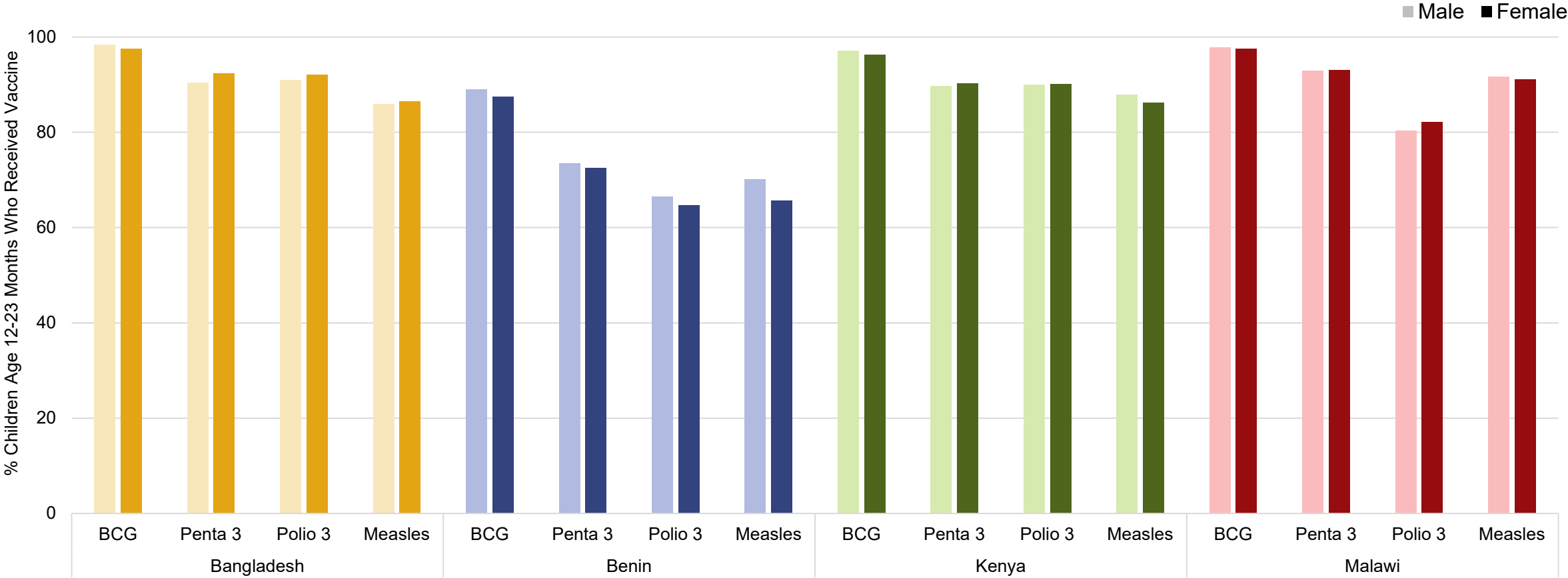


Vaccination Coverage & Record Type in 4 Study Countries



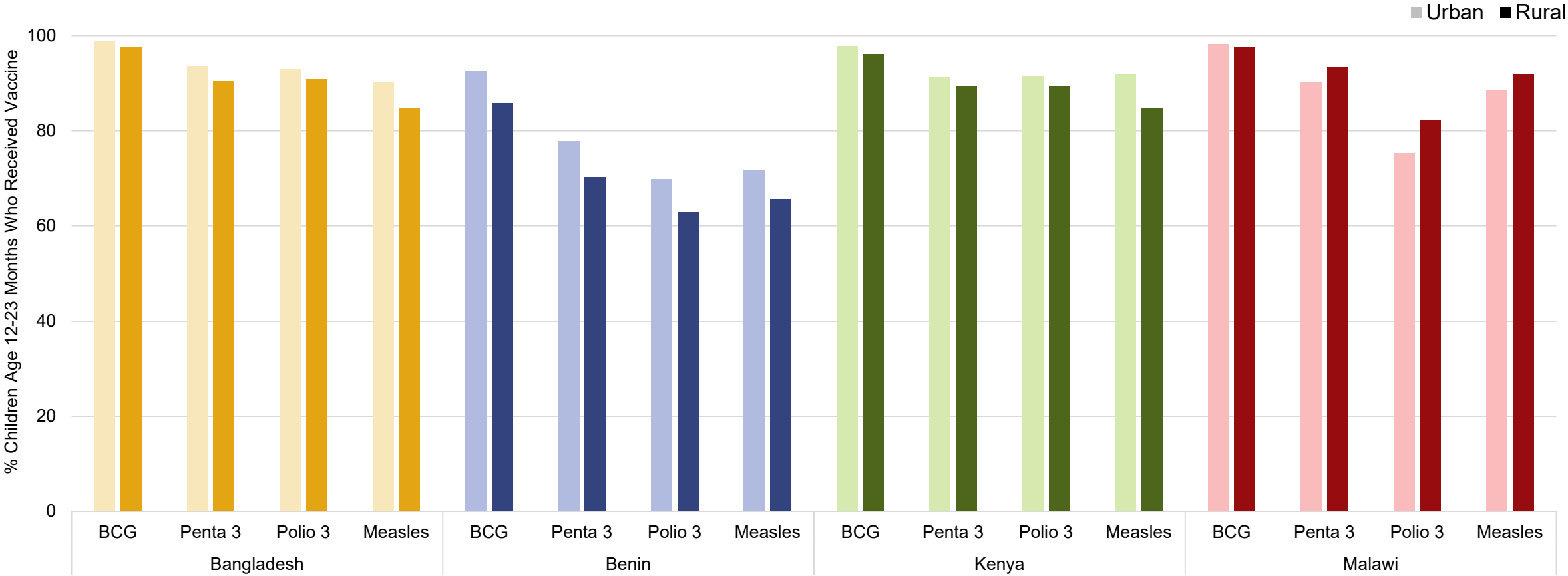
*Includes: BCG, Polio3, DPT-HepB-Hib3 (i.e., pentavalent), and Measles (MCV1)

Vaccination Coverage by Gender



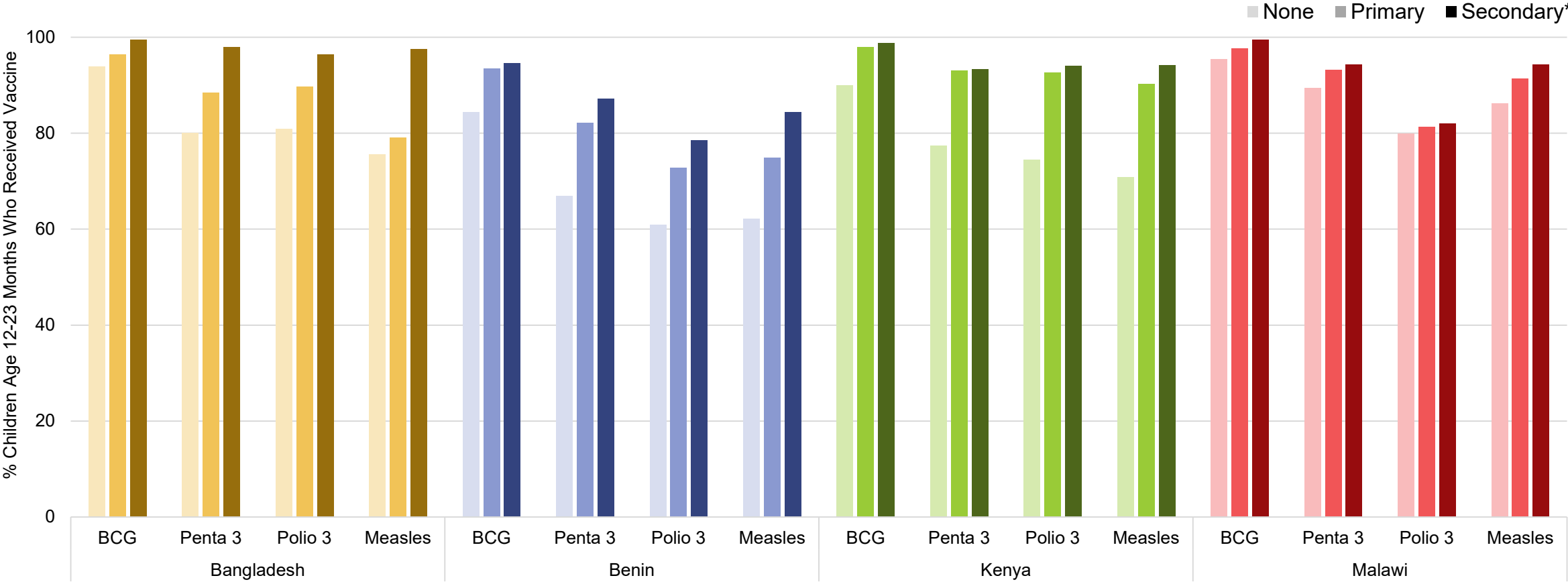
No difference in coverage by gender

Vaccination Coverage by Residence



Coverage is generally lower in rural areas

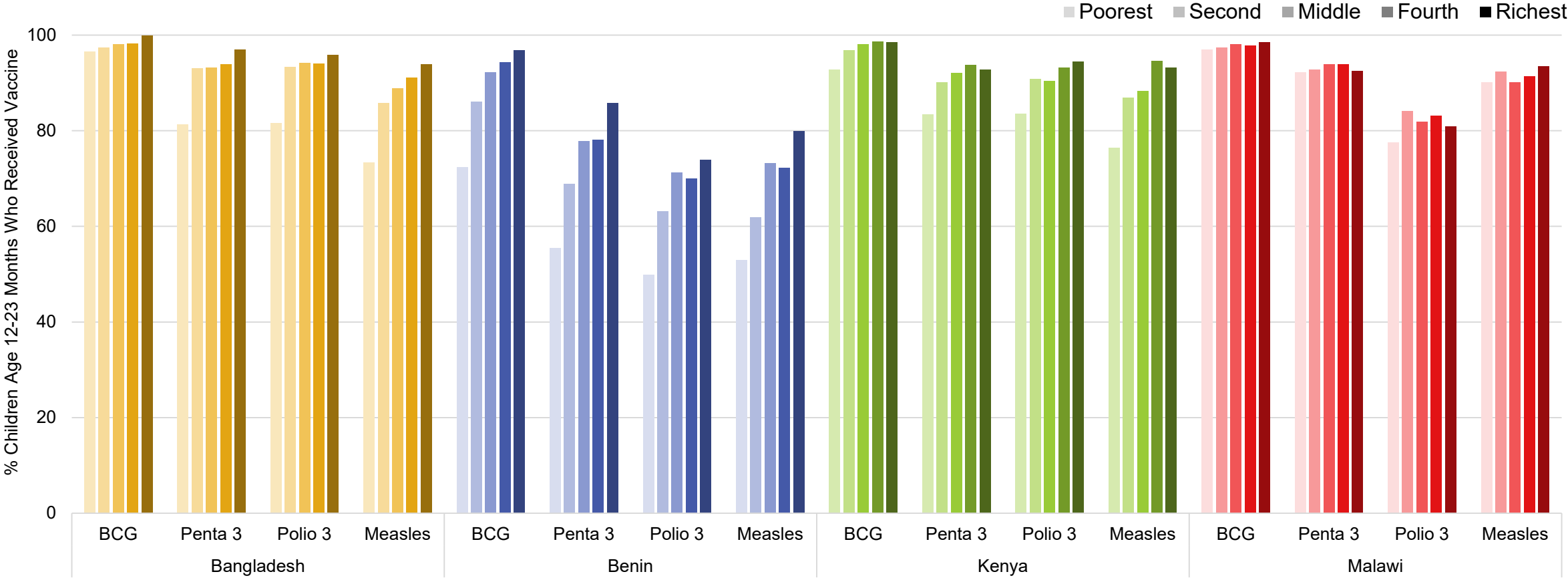
Vaccination Coverage by Mother's Education



*Defined as secondary or higher (Bangladesh), senior secondary and higher (Benin), and secondary or higher (Kenya)

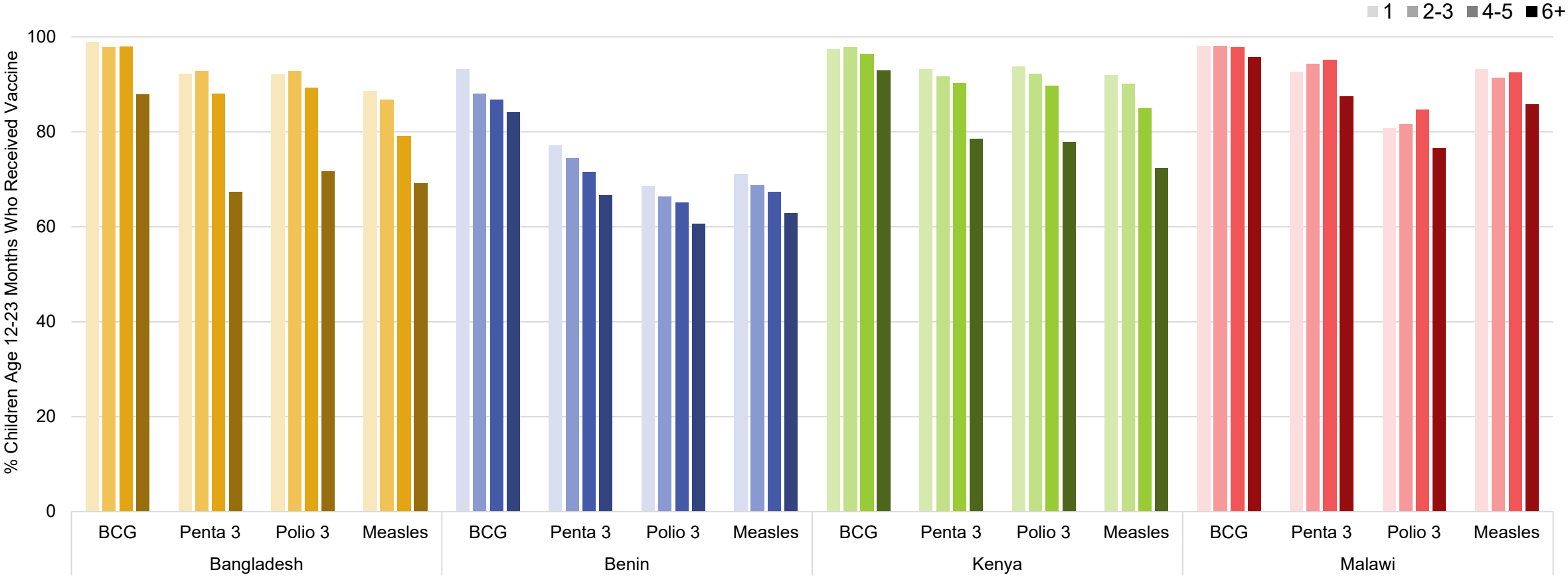
Coverage is higher as mother's education level increases

Vaccination Coverage by Wealth Index



Coverage is generally higher as wealth class increases

Vaccination Coverage by Birth Order



Coverage is generally lower as birth order increases

Takeaways

Higher Vaccination Coverage

- Higher mother's education level
- Higher wealth class

Lower Vaccination Coverage

- Rural areas
- Higher birth order (i.e., n^{th} child born)

- Vaccination coverage did not vary by gender, but did vary based on a variety of other factors
 - Trends observed were generally not country-dependent
- Benin had the lowest vaccination coverage for the countries studied
- BCG vaccine had the highest coverage of the vaccines studied
- Sampling across a variety of demographics in the 4 countries would result in a variety of vaccination coverage and likely vaccination experiences