Total number of women interviewed in the 2015-16 MDHS (N= 24,562)

**Exclusion Criteria**

* Women who have never had children (n=5,574).

Total number of women with children (n= 18,988)

* Women with no child in 5 years prior to MDHS (n=2,037).
* Total number of women with under-five child in 5 years prior to MDHS (n=16,951)
* Total number of mother-child pairs (16,618 singleton and 333 multiple births; n = 17,286)
* Mother-child pairs whose child died (n=824)
* Mother-child pairs where mother was pregnant at time of survey (n=1,022)
* Mother-child pairs from households that were not selected for hemoglobin and anthropometry tests (n=10,192)
* Mother-child pairs with missing BMI measurements for women (n=97)
* Mother-child pairs with missing height measurements for women (n=4)
* Mother-child pairs with flagged measurements on women or women pregnant in the 2 months prior to survey (n=175)
* Mother-child pairs with missing or flagged measurements on child (n=354)

Total number of mother-child pairs with non-pregnant mother and child who is alive (n=15,440)

Mother-child pairs with complete information on child undernutrition, child overnutrition, mother’s height, and mother’s BMI (N=4,618 **DBM sample**)

* Mother-child pairs where the child did not have their hemoglobin (HB) measurements taken (n=390)
* Mother-child pairs where the mother did not have their HB measurements taken (n=19)

Non-pregnant mother-child pairs with complete information on child undernutrition, child overnutrition, child anemia, mother’s height, mother’s anemia, and mother’s BMI (N=4,209, **TBM sample**)

Figure S1: Flowchart of the sample included in the analysis from the 2015-16 Malawi Demographic and Health Survey (MDHS) (numbers are not weighted)