**Figures**

The list of enumeration areas (EAs) for the total population of Bangladesh from Census of 2001 and 2011 and update household list within EAs in 2006, 2012, and 2018.

The main Sampling strata for the two-stage sampling were urban and rural areas within districts.

Within each enumeration area (EA), 20 households were sampled using systematic sampling.

68,247, 55,120, 64,400 households were selected from the EAs in the sample 2006, 2012-13, and 2019 survey years, respectively.

62,463, 51,895, and 61,242 households were completely interviewed with response rate of 92.5%, 98.5%, and 99.4%, respectively.

34,710, 23,402, and 24,686 children under age five were selected in the sample from the interviewed households 2006, 2012-13, and 2019 of survey years, respectively.

Completed data found from 31, 566, 20,903, and 23,099 children given a response rate of 90.9%, 89.3%, and 93.6%, respectively.

**Figure 1: Study population and selection of sample for MICS 2006, 2012-13, and 2019**

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| **Figure 2. Forest plot of Adjusted Odds ratios (ORs) and 95% confidence intervals (CIs) for factors associated with the diarrhea status of children (MICS 2006, 2012, and 2019)**   |  |  |  | | --- | --- | --- | |  |  |  | | MICS 2006 | MICS 2012 | MICS 2019 | | **Figure 3. Sensitivity analysis of fitted final multivariable logistic regression model** | | | |