Data Release Information Sheet

**Data Summary**


Date of release: July 22, 2019

Summary:

Estimates were produced for exclusive breastfeeding (EBF) prevalence among infants under 6 months of age at the 5x5 km-level in 49 countries in Africa between 2000-2017. These estimates were produced using data extracted from 188 household surveys that had complete records of questions relating to infant feeding and geographical information. The surveys include the Demographic and Health Survey (DHS), Multiple Indicator Cluster Survey (MICS), and country-specific and other multinational surveys.

This dataset includes the following:

- GeoTIFF raster files for pixel-level estimates of EBF prevalence
- CSV files of aggregated estimates for each country at the zero, first, and second administrative divisions
- Code files used to generate the estimates

Relevant publications and visualizations:

- [Local Burden of Disease - EBF](#)

**Acknowledgements**

**Contributing organizations:**

- Institute for Health Metrics and Evaluation (IHME)

**Funders:**

- Bill and Melinda Gates Foundation (BMGF)
- National Institutes of Health (NIH)
**Suggested Citation:**

**Data Files Information**

**CSV files of Aggregated Estimates of HIV Prevalence and PLHIV**

Stored in files named `<MEASURE>_<LEVEL_OF_AGGREGATION>.CSV`

(Example: IHME_AFRICA_EBF_2000_2017_PREV_ADMIN_1_Y2019M07D01.CSV)

- **Measure**: Prevalence (%) (children are exclusively breastfed)
- **Level of aggregation**: admin0, admin1, or admin2, corresponding to first and second administrative level areas as defined in the 2014_2015 FAO Global Administrative Unit Layers (GAUL) shapefiles, with minor adjustments made where names were missing in the original shapefile. Each row in each table is unique by administrative unit and year

<table>
<thead>
<tr>
<th>Variable</th>
<th>Variable Label</th>
<th>Variable Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADM0_CODE</td>
<td>GAUL Admin 0 Code</td>
<td>GAUL code identifying the administrative unit</td>
</tr>
<tr>
<td>ADM0_NAME</td>
<td>Admin 0 Name</td>
<td>Zero level administrative unit (Country) name as found in the GAUL shapefile</td>
</tr>
<tr>
<td>ADM1_CODE</td>
<td>GAUL Admin 1 Code</td>
<td>GAUL code identifying the administrative unit (Only in the admin1 files)</td>
</tr>
<tr>
<td>ADM1_NAME</td>
<td>Admin 1 Name</td>
<td>First level administrative unit name as found in the GAUL shapefile</td>
</tr>
<tr>
<td>ADM2_CODE</td>
<td>GAUL Admin 2 Code</td>
<td>GAUL code identifying the administrative unit (Only in the admin2 files)</td>
</tr>
<tr>
<td>ADM2_NAME</td>
<td>Admin 2 Name</td>
<td>Second level administrative unit name as found in the GAUL shapefile (Only in the admin2 files)</td>
</tr>
<tr>
<td>year</td>
<td>Year</td>
<td>Time period of estimate. Possible values: years in the range 2000-2017</td>
</tr>
<tr>
<td>age_group_id</td>
<td>Age Group ID</td>
<td>Unique numeric identifier for the age group generated and stored in an IHME database of data dimensions. Possible values: 390</td>
</tr>
<tr>
<td>age_group_name</td>
<td>Age Group Name</td>
<td>Age group estimated. Possible values: &lt;6 months</td>
</tr>
<tr>
<td>sex_id</td>
<td>Sex ID</td>
<td>Unique numeric identifier for the sex generated and stored in an IHME database of data dimensions. Possible values: 3</td>
</tr>
<tr>
<td>sex</td>
<td>Sex</td>
<td>Sex estimated: Possible values: Both</td>
</tr>
<tr>
<td>measure</td>
<td>Measure</td>
<td>The measure (indicator) estimated. Possible values: EBF prevalence</td>
</tr>
<tr>
<td>metric</td>
<td>Metric</td>
<td>Metric/unit of measure for the estimate. Values: Percent</td>
</tr>
<tr>
<td>Variable</td>
<td>Variable Label</td>
<td>Variable Definition</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>mean</td>
<td>Mean</td>
<td>Mean posterior population-weighted estimate for the administrative unit</td>
</tr>
<tr>
<td>lower</td>
<td>Lower Confidence Interval</td>
<td>2.5% population-weighted posterior quantile estimate for the administrative unit</td>
</tr>
<tr>
<td>upper</td>
<td>Upper Confidence Interval</td>
<td>97.5% population-weighted posterior quantile estimate for the administrative unit</td>
</tr>
</tbody>
</table>

**Codebooks**

Variable names, labels, and value encoding for admin 0 files can be found in the machine-actionable codebook file `IHME_AFRICA_EBF_2000_2017_CODEBOOK_PREV_ADMIN_0_Y2019M07D01.CSV`

Variable names, labels, and value encoding for admin 1 files can be found in the machine-actionable codebook file `IHME_AFRICA_EBF_2000_2017_CODEBOOK_PREV_ADMIN_1_Y2019M07D01.CSV`

Variable names, labels, and value encoding for admin 2 files can be found in the machine-actionable codebook file `IHME_AFRICA_EBF_2000_2017_CODEBOOK_PREV_ADMIN_2_Y2019M07D01.CSV`

**GeoTIFF Raster Files for Pixel-level Estimates of EBF Prevalence**

Stored in files named `<MEASURE>_<STAT>_<YEAR>.TIF`

(Example: `IHME_AFRICA_EBF_2000_2017_PREV_MEAN_2015_Y2019M07D01.TIF`)

- **Measure:** Prevalence (%) (children are exclusively breastfed)
- **Stat:** mean, upper, or lower summary statistics from the predictive posterior distribution at each pixel. Lower and upper correspond to 2.5% and 97.5% quantiles
- **Year:** From 2000 to 2017, corresponding to the time period of the estimate

Note that rasters mask (i.e., have NA values) for lakes and areas with low population (10 people per 1km and classified as barren/sparsely vegetated).

**Data Input Sources**

This CSV file contains relevant metadata about the input sources as suggested in the Guidelines for Accurate and Transparent Health Estimates Reporting (GATHER), a statement that promotes best practices in reporting health estimates.

**Additional Information**

**Terms and Conditions**

[http://www.healthdata.org/about/terms-and-conditions](http://www.healthdata.org/about/terms-and-conditions)
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These files may be updated periodically, so we appreciate hearing feedback or additional information about how these data are being used.