Data Release Information Sheet

**Data Summary**

**Dataset name:** Nigeria - Borno DTP Vaccine Coverage Estimates 2000-2018  
**Date of release:** July 11, 2023

**Summary:**  
This dataset provides estimates of first- and third-dose coverage of diphtheria-tetanus-pertussis (DTP) vaccine at the first- and second-administrative unit levels in Borno, Nigeria from 2000-2018. These estimates were produced using data on vaccination coverage and geographical locations from household-based surveys.

This dataset includes the following:

- CSV files of aggregated DTP1 and DTP3 coverage estimates at the first, and second administrative unit divisions
- Code files used to generate the estimates

**Relevant publications and visualizations:**


**Acknowledgements**

**Contributing organizations:**

- Institute for Health Metrics and Evaluation (IHME)

**Funders:**

- Bill and Melinda Gates Foundation (BMGF)

**Suggested Citation:**

**Data Files Information**

**CSV files of Aggregated Estimates of MCV1 Coverage**

Stored in files named  
IHME_NGA_DTP<DOSE>_2000_2018_<LEVEL_OF_AGGREGATION>_Y2022M12D31.CSV  
(Example: IHME_LMIC_DTP1_2000_2019_ADMIN_1_Y2022M12D31.CSV)

**Level of aggregation:** admin1 or admin2, corresponding to first and second administrative level areas as defined in a modified version of the Database of Global Administrative Areas (GADM) 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_NAME</td>
<td>Admin 0 Name</td>
<td>Zero level administrative unit (Country) name as found in the GADM shapefile</td>
</tr>
<tr>
<td>ADM1_NAME</td>
<td>Admin 1 Name</td>
<td>First level administrative unit name as found in the GADM shapefile</td>
</tr>
<tr>
<td>ADM2_NAME</td>
<td>Admin 2 Name</td>
<td>Second level administrative unit name as found in the GADM 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 2000-2019</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: 238</td>
</tr>
<tr>
<td>age_group_name</td>
<td>Age Group Name</td>
<td>Age group estimated. Possible values: 12-23 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: MCV1 coverage</td>
</tr>
<tr>
<td>metric</td>
<td>Metric</td>
<td>Metric/unit of measure for the estimate. Values: Percent</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>
<tr>
<td>MICS/NICS</td>
<td>Mean coverage estimate from 2016 MICS/NICS survey</td>
<td>Mean coverage estimate from 2016 MICS/NICS survey (Only in admin1 files)</td>
</tr>
<tr>
<td>DHS</td>
<td>Mean coverage estimate from 2018 DHS survey</td>
<td>Mean coverage estimate from 2018 DHS survey (Only in admin1 files)</td>
</tr>
</tbody>
</table>
**Codebooks**

Variable names, labels, and value encoding for admin 1 files can be found in the machine-actionable codebook files:

IHME_NGA_DTP1_2000_2018_CODEBOOK_ADMIN_1_Y2022M12D31.CSV
IHME_NGA_DTP3_2000_2018_CODEBOOK_ADMIN_1_Y2022M12D31.CSV

Variable names, labels, and value encoding for admin 2 files can be found in the machine-actionable codebook files:

IHME_NGA_DTP1_2000_2018_CODEBOOK_ADMIN_2_Y2022M12D31.CSV
IHME_NGA_DTP3_2000_2018_CODEBOOK_ADMIN_2_Y2022M12D31.CSV

**Additional Information**

**Terms and Conditions**

http://www.healthdata.org/about/terms-and-conditions

**Contact information**

To request further information about this dataset, please contact IHME:

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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.