



Institute for Health Metrics and Evaluation

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:

- Sbarra AN, Rolfe S, Haeuser E, Nguyen JQ, Adamu A, Adeyina D, et al. Estimating vaccine coverage in conflict settings using geospatial methods: a case study in Borno state, Nigeria. *Scientific Reports*. 8 July 2023.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

Funders:

- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). Nigeria - Borno DTP Vaccine Coverage Estimates 2000-2018. Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2023.

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.

Variable	Variable Label	Variable Definition
ADM0_NAME	Admin 0 Name	Zero level administrative unit (Country) name as found in the GADM shapefile
ADM1_NAME	Admin 1 Name	First level administrative unit name as found in the GADM shapefile
ADM2_NAME	Admin 2 Name	Second level administrative unit name as found in the GADM shapefile (Only in the admin2 files)
year	Year	Time period of estimate. Possible values: years in the range 2000-2019
age_group_id	Age Group ID	Unique numeric identifier for the age group generated and stored in an IHME database of data dimensions. Possible values: 238
age_group_name	Age Group Name	Age group estimated. Possible values: 12-23 months
sex_id	Sex ID	Unique numeric identifier for the sex generated and stored in an IHME database of data dimensions. Possible values: 3
sex	Sex	Sex estimated: Possible values: Both
measure	Measure	The measure (indicator) estimated. Possible values: MCV1 coverage
metric	Metric	Metric/unit of measure for the estimate. Values: Percent
mean	Mean	Mean posterior population-weighted estimate for the administrative unit
lower	Lower Confidence Interval	2.5% population-weighted posterior quantile estimate for the administrative unit
upper	Upper Confidence Interval	97.5% population-weighted posterior quantile estimate for the administrative unit
MICS/NICS	Mean coverage estimate from 2016 MICS/NICS survey	Mean coverage estimate from 2016 MICS/NICS survey (Only in admin1 files)
DHS	Mean coverage estimate from 2018 DHS survey	Mean coverage estimate from 2018 DHS survey (Only in admin1 files)

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:

Address:

Institute for Health Metrics and Evaluation
Population Health Building/Hans Rosling Center
3980 15th Ave. NE, Seattle, WA 98195 USA
UW Campus Box #351615

Telephone: +1-206-897-2800

Fax: +1-206-897-2899

Email: data@healthdata.org

Website: www.healthdata.org

These files may be updated periodically, so we appreciate hearing feedback or additional information about how these data are being used.