



# Institute for Health Metrics and Evaluation

## Data Release Information Sheet

### **Data Summary**

Dataset name: Global Burden of Disease Study 2020, Release 1 (GBD 2020 R1) Routine Childhood Vaccination Coverage 1980-2019

Date of release: July 15, 2021

#### Summary:

Estimates of vaccination coverage for 11 childhood vaccines (first-dose bacillus Calmette-Guérin [BCG], first- and third-dose diphtheria-tetanus-pertussis [DTP1, DTP3], third-dose hepatitis B [HepB3], third-dose *Haemophilus influenzae* type b [Hib3], first- and second-dose measles [MCV1, MCV2], third-dose pneumococcal conjugate vaccine [PCV3], third-dose polio [Pol3], first-dose rubella-containing vaccine [RCV1], and complete rotavirus [RotaC, two or three doses]) were produced for 204 countries and territories between 1980 and 2019 as part of the Global Burden of Disease Study 2020, Release 1 (GBD 2020 R1). The estimation process primarily utilized household survey microdata, household survey report data in the absence of microdata, and estimates of country-reported coverage data.

This dataset includes the following:

- CSV files for national-level estimates of vaccine coverage, by vaccine
- Code files used to generate the estimates

#### Relevant publications and visualizations:

GBD 2020 Vaccine Coverage Collaborators. Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. *The Lancet*. 15 Jul 2021.

### **Acknowledgements**

#### Contributing organizations:

- Global Burden of Disease Collaborative Network

#### Funders:

- Bill and Melinda Gates Foundation (BMGF)

#### Suggested Citation:

Global Burden of Disease Collaborative Network. Global Burden of Disease Study 2020, Release 1 (GBD 2020 R1) Routine Childhood Vaccination Coverage 1980-2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2021.

## File Inventory

File Name	Description	Version Date
IHME_GBD_2020_R1_VACC_1980_2019_DATA_Y2021M06D03.CSV	Routine childhood vaccination coverage estimates 1980-2019	June 3, 2021
IHME_GBD_2020_R1_VACC_1980_2019_CODEBOOK_Y2021M06D03.CSV	Codebook	June 3, 2021
IHME_GBD_2020_R1_VACC_1980_2019_INPUT_SOURCES_Y2021M06D03.XLSX	Data input sources	June 3, 2021
IHME_GBD_2020_R1_VACC_1980_2019_OUTLIER_INPUTS_Y2021M06D03.XLSX	Outliers	June 3, 2021
IHME_GBD_2020_R1_VACC_1980_2019_ANCILLARY_SOURCES_Y2021M06D03.XLSX	Ancillary input sources	June 3, 2021
IHME_GBD_2020_R1_VACC_1980_2019_STGPR_OUTLIER_INPUTS_Y2021M06D03.XLSX	ST-GRP outliers	June 3, 2021
IHME_GBD_2020_R1_VACC_1980_2019_INFO_SHEET_Y2021M07D15.PDF	Data Release Information Sheet	July 15, 2021

## Data Files Information

Variable	Variable Label	Variable Definition
measure_ID	Measure ID	Unique numeric identifier for the measure generated and stored in an IHME database of data dimensions. Possible values: 18
measure	Measure	The measure (indicator) of the estimate. Possible values: Proportion
vaccine_name	Vaccine Name	The vaccine the estimate represents. Possible values: BCG, DTP1, DTP3, HepB3, Hib3, MCV1, MCV2, PCV3, Pol3, RCV1, RotaC
location_ID	Location ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions. Possible values: Refer to the Codebook file.

Variable	Variable Label	Variable Definition
location_name	Location Name	Location of the estimate. Possible values: Refer to the Codebook file.
sex_ID	Sex ID	Unique numeric identifier for the sex generated and stored in an IHME database of data dimensions. Possible values: 3
sex_name	Sex	The sex the estimate represents. Possible values: Both
year	Year	Time period of estimate. Possible values: years in range 1980-2019
val	Mean	Mean estimate.
upper	95% Uncertainty Interval - Upper Bound	97.5% percentile estimate.
lower	95% Uncertainty Interval - Lower Bound	2.5% percentile estimate.

### ***Additional Information***

#### **Terms and Conditions**

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

#### **Contact information**

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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.