



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global COVID-19 Routine Childhood Vaccination Disruption 2020

Date of release: July 15, 2021

Summary:

This dataset provides estimates of the impact of COVID-19 on routine childhood immunizations (DTP3 and MCV1) monthly in 2020 by country, Global Burden of Disease (GBD) super-region, and globally. Indicators include mean and 95% uncertainty intervals for the estimated relative disruption attributable to COVID-19, estimated coverage, and expected coverage in the absence of COVID-19 for all locations and estimated doses missed, expected doses missed in the absence of COVID-19, and estimated doses missed attributable to COVID-19 for global and GBD super-region locations. These estimates were produced using administrative data and reports from electronic immunization systems, with mobility data as a model input.

Relevant publications and visualizations:

Causey K, Fullman N, Sorensen RJD, Galles NC, Zheng P, Aravkin A, et al. Estimating global and regional disruptions to routine childhood vaccine coverage during the COVID-19 pandemic in 2020: a modelling study. *The Lancet*. 15 Jul 2021.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

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- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). Global COVID-19 Routine Childhood Vaccination Disruption 2020. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2021.

Data Files Information

File Inventory

File Name	Description	Version Date
IHME_COVID_RI_DISRUPTION_2020_DATA_Y2021M06D03.CSV	COVID-19 routine immunization disruption estimates 2020	June 3, 2021
IHME_COVID_RI_DISRUPTION_2020_CODEBOOK_Y2021M06D03.CSV	Codebook	June 3, 2021
IHME_COVID_RI_DISRUPTION_2020_INPUT_SOURCES_Y2021M06D03.XLSX	Data input sources	June 3, 2021
IHME_COVID_RI_DISRUPTION_2020_INFO_SHEET_Y2021M07D15.PDF	Data Release Information Sheet	July 15, 2021

Variable Information

Variable	Variable Label	Variable Definition
measure_name	Measure Name	<p>The measure (indicator) for the estimate. Indicators in this analysis include the following for all locations:</p> <ul style="list-style-type: none">• Estimated Relative Disruption Attributable to COVID-19• Estimated Coverage• Expected Coverage in the Absence of COVID-19 <p>And the following indicators for super-region and global locations.</p> <ul style="list-style-type: none">• Estimated Doses Missed• Expected Doses Missed in the Absence of COVID-19• Estimated Doses Missed Attributable to COVID-19
vaccine_name	Vaccine Name	Vaccine for which estimate relates, DTP3 or MCV1.

Variable	Variable Label	Variable Definition
location_id	Location ID	A unique numeric identifier for the location generated and stored in an IHME database of data dimensions.
location_name	Location Name	The location for the estimate.
location_level	Location Level	Reflects the level of the location hierarchy. Global estimates are marked with 0, GBD super-region estimates with 1, and country-level estimates with 2.
time_period	Time Period	The time period for the estimates. We provide estimates at the monthly level for super-region and global estimates and at the annual level for all locations.
year_id	Year ID	The year for the estimate.
val	Value	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

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.