



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Tuberculosis Household Risk Exposure Estimates 2019

Date of release: November 22, 2021

Summary:

This dataset contains estimates for the number of persons with exposure to household incident pulmonary tuberculosis (TB) for 20 high-incidence TB countries in 2019 (as determined by Global Burden of Disease (GBD) Study 2019 estimates). Estimates were produced using pulmonary TB incidence from the GBD 2019 and location-specific household structure data from Demographic Health Surveys (DHS) and Integrated Public Use Microdata Series (IPUMs). Estimates include mean and 95% uncertainty intervals for both sexes disaggregated by age groups.

These estimates inform a paper published in *EclinicalMedicine* in November 2021 titled “Estimating the population at high risk for tuberculosis through household exposure in high-incidence countries: a model-based analysis.”

Relevant publications and visualizations:

Ross JM, Xie Y, Wang Y, Collins JK, Horst C, Doody JB, et al. Estimating the population at high risk for tuberculosis through household exposure in high-incidence countries: a model-based analysis. *EclinicalMedicine*. 22 November 2021.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

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- National Institutes of Health (NIH)
- National Science Foundation (United States)

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). Tuberculosis Household Risk Exposure Estimates 2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2021.

Data Files Information

File Inventory

File Name	Description	Version Date
IHME_HH_TB_EXPOSURE_2019_DATA_Y2021M11D22.CSV	TB household exposure estimates	November 22, 2021
IHME_HH_TB_EXPOSURE_2019_CODEBOOK_Y2021M11D22.CSV	Codebook	November 22, 2021
IHME_HH_TB_EXPOSURE_2019_DATA_INPUT_SOURCES_Y2021M11D22.CSV	Data input sources	November 22, 2021
IHME_HH_TB_EXPOSURE_2019_INFO_SHEET_Y2021M11D22.PDF	Data Release Information Sheet	November 22, 2021

Variable Information

Variable	Variable Label	Variable Definition
measure_name	Measure Name	<p>The measure (indicator) for the estimate.</p> <p>Possible values: Number of persons with household exposure to incident pulmonary TB</p>
location_id	Location ID	<p>A unique numeric identifier for the location generated and stored in an IHME database of data dimensions.</p> <p>Possible values: 6,11,15,16,20,62,161,163,165,168,171,179,180,184,189,190,191,196,198,214</p> <p>Location ID is not applicable for aggregated estimates for the combined 20 countries included in this study.</p>

Variable	Variable Label	Variable Definition
location_name	Location Name	<p>The location for the estimate.</p> <p>Possible values: 20 countries, Angola, Bangladesh, China, DR Congo, Ethiopia, India, Indonesia, Kenya, Mozambique, Myanmar, Nigeria, Pakistan, Philippines, Russia, South Africa, Tanzania, Uganda, Vietnam, Zambia, Zimbabwe</p> <p>“20 countries” represents the aggregated estimates for the combined 20 countries included in this study.</p>
sex_id	Sex ID	<p>A unique numeric identifier for the sex generated and stored in an IHME database of data dimensions.</p> <p>Possible values: 3</p>
sex_name	Sex Name	<p>The gender for the estimate.</p> <p>Possible values: Both</p>
age_group_id	Age Group ID	<p>A unique numeric identifier for the age group generated and stored in an IHME database of data dimensions.</p> <p>Possible values: 22,23,24,40,236</p> <p>0 to 4, 5 to 14, 15 to 49, 50 plus, All ages</p>
age_group_name	Age Group Name	<p>The age group for the estimate.</p> <p>Possible values: 0 to 4, 5 to 14, 15 to 49, 50 plus, All ages</p>
metric_id	Metric ID	<p>A unique numeric identifier for the metric.</p> <p>Possible values: 1</p>
metric_name	Metric Name (number)	<p>The metric/unit of measure for the estimate.</p> <p>Possible values: Number</p>

Variable	Variable Label	Variable Definition
year_id	Year ID	The time period 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.