Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Burden of Disease Study 2019 (GBD 2019) Under-5 Mortality by Detailed Age Groups 1950-2019

Date of release: December 19, 2020   Date of Update: September 2, 2021

Summary:

The Global Burden of Disease Study 2019 (GBD 2019), coordinated by the Institute for Health Metrics and Evaluation (IHME), estimated the burden of diseases, injuries, and risk factors for 204 countries and territories and selected subnational locations.

This dataset provides annual estimates for 1950–2019 for numbers of deaths, mortality rate, and probability of death by sex for 8 age groups under 5 years: 0–6 days (early neonatal), 7–27 days (late neonatal), 0–27 days (neonatal), 1–5 months, 6–11 months, 12–23 months, 2–4 years, and under 5 years. There were 7417 sources used to produce these estimates. These included 28,016 location-years of vital registration data, 481 surveys with complete birth histories, and 1081 sources on summary birth histories.

For additional GBD results and resources, visit the GBD 2019 Data Resources page.

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 2019 (GBD 2019) Under-5 Mortality by Detailed Age Groups 1950-2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2020.

Data Files Information

Update Information

The data files were updated on September 1, 2021, to include the age groups Neonatal [0-27 days] and Under 5.

File Inventory

File Name	Description	Version Date
IHME_GBD_2019_U5M_1950_1959_CT_RT_Y2021M09D01.CSV	Under-5 Mortality: Death counts and rates, 1950 – 1959	September 1, 2021
IHME_GBD_2019_U5M_1950_1959_POD_Y2021M09D01.CSV	Under-5 Mortality: Probability of death, 1950 – 1959	September 1, 2021
IHME_GBD_2019_U5M_1960_1969_CT_RT_Y2021M09D01.CSV	Under-5 Mortality: Death counts and rates, 1960 – 1969	September 1, 2021
IHME_GBD_2019_U5M_1960_1969_POD_Y2021M09D01.CSV	Under-5 Mortality: Probability of death, 1960 – 1969	September 1, 2021
IHME_GBD_2019_U5M_1970_1979_CT_RT_Y2021M09D01.CSV	Under-5 Mortality: Death counts and rates, 1970 – 1979	September 1, 2021
IHME_GBD_2019_U5M_1970_1979_POD_Y2021M09D01.CSV	Under-5 Mortality: Probability of death, 1970 – 1979	September 1, 2021
IHME_GBD_2019_U5M_1980_1989_CT_RT_Y2021M09D01.CSV	Under-5 Mortality: Death counts and rates, 1980 – 1989	September 1, 2021
IHME_GBD_2019_U5M_1980_1989_POD_Y2021M09D01.CSV	Under-5 Mortality: Probability of death, 1980 – 1989	September 1, 2021
IHME_GBD_2019_U5M_1990_1999_CT_RT_Y2021M09D01.CSV	Under-5 Mortality: Death counts and rates, 1990 – 1999	September 1, 2021
IHME_GBD_2019_U5M_1990_1999_POD_Y2021M09D01.CSV	Under-5 Mortality: Probability of death, 1990 – 1999	September 1, 2021
IHME_GBD_2019_U5M_2000_2009_CT_RT_Y2021M09D01.CSV	Under-5 Mortality: Death counts and rates, 2000 – 2009	September 1, 2021
IHME_GBD_2019_U5M_2000_2009_POD_Y2021M09D01.CSV	Under-5 Mortality: Probability of death, 2000 – 2009	September 1, 2021

File Name	Description	Version Date
IHME_GBD_2019_U5M_2010_2019_CT_RT_Y2021M09D01.CSV	Under-5 Mortality: Death counts and rates, 2010 – 2019	September 1, 2021
IHME_GBD_2019_U5M_2010_2019_POD_Y2021M09D01.CSV	Under-5 Mortality: Probability of death, 2010 – 2019	September 1, 2021
IHME_GBD_2019_U5M_1950_2019_CODEBOOK_Y2021M09D01.CSV	Codebook	September 1, 2021
IHME_GBD_2019_U5M_1950_2019_INFO_SHEET_Y2021M09D01.PDF	Data Release Information Sheet	September 1, 2021

Variable Information

Variable	Variable Label	Variable Definition
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
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: 1, 2, 3
sex_name	Sex	Gender for the estimate. Possible values: Male, Female, Both
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: 2, 3, 34, 238, 388, 389

Variable	Variable Label	Variable Definition
age_group_name	Age Group Name	Age group estimated. Possible values: Early Neonatal, Late Neonatal, Neonatal, 1-5 months, 6-11 months, 12 to 23 months, 2 to 4, Under 5
year_id	Year	Time period of estimate. Possible values: years in the range 1950 – 2019
measure_id	Measure ID	Unique numeric identifier for the measure generated and stored in an IHME database of data dimensions. Possible values: 1, 27
measure	Measure Name	The measure (indicator) of the estimate. Possible values: Deaths, Probability of death
metric_id	Metric ID	Unique numeric identifier for the metric. Possible values: 1, 3, 8
metric_name	Metric Name	Metric/unit of measure for the estimate. Possible values: Number, Rate, Probability of death
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:

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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.