



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: GBD 2019 Under-5 Mortality and Adult Mortality 1950-2019

Date of release: October 15, 2020

Date of update: November 13, 2020

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 under-5 mortality (5q0, or ages 0-4) and adult mortality (45q15, or ages 15-59), as expressed by probability of death, by sex for 1950-2019. For under-5 mortality estimation, 7417 sources were used. These included 28,016 location-years of vital registration data, 481 surveys with complete birth histories, and 1081 sources on summary birth histories. For adult mortality, 7355 sources were used. These included 7000 location-years of vital registration and 322 location-years of sample vital registration, 66 sources of household deaths, 102 censuses, and 133 surveys.

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

File Inventory

| File Name | Description | Version Date |
|--|---|---------------------|
| IHME_GBD_2019_MORTALITY_19_50_2019_5Q0_NOSHOCK_Y2020M07D31.CSV | Under-5 Mortality - No Shocks (Estimates exclude deaths from natural disasters, wars, etc.) | July 20, 2020 |
| IHME_GBD_2019_MORTALITY_19_50_2019_5Q0_WSHOCK_Y2020M11D13.CSV | Under-5 Mortality - With Shocks (Estimates include deaths from natural disasters, wars, etc.) | November 13, 2020 |
| IHME_GBD_2019_MORTALITY_19_50_2019_45Q15_NOSHOCK_Y2020M07D31.CSV | Adult Mortality - No Shocks (Estimates exclude deaths from natural disasters, wars, etc.) | July 20, 2020 |
| IHME_GBD_2019_MORTALITY_19_50_2019_45Q15_WSHOCK_Y2020M11D13.CSV | Adult Mortality - With Shocks (Estimates include deaths from natural disasters, wars, etc.) | November 13, 2020 |
| IHME_GBD_2019_MORTALITY_19_50_2019_CODEBOOK_Y2020M07D31.CSV | Codebook | July 20, 2020 |
| IHME_GBD_2019_MORTALITY_19_50_2019_INFO_SHEET_Y2020M11D13.PDF | Data Release Information Sheet | November 13, 2020 |

Data Files Information

Data Update

The 5q0 and 45a15 With Shocks files were updated on November 13, 2020 with new results for the locations Ukraine, Eastern Europe, and Mexico.

Shocks

Files with the tag "wshock" contain estimates produced including deaths from natural disasters, wars, etc. Files with the tag "noshock" contain estimates produced without these types of deaths.

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. |
| location_name | Location Name | Location of the estimate. |
| sex_ID | Sex ID | Unique numeric identifier for the sex generated and stored in an IHME database of data dimensions. |
| sex_name | Sex | Gender for the estimate. |
| age_group_ID | Age Group ID | Unique numeric identifier for the age group generated and stored in an IHME database of data dimensions. |
| age_group_name | Age Group Name | Age group estimated. Possible values: <ul style="list-style-type: none"> • Under 5 • 15 to 59 |
| year_id | Year | Time period of estimate. |
| measure_id | Measure ID | Unique numeric identifier for the measure generated and stored in an IHME database of data dimensions. |
| measure | Measure Name | The measure (indicator) of the estimate. Possible values: <ul style="list-style-type: none"> • Probability of death [<u>wshock</u>: Estimates were made including deaths from natural disasters, wars, etc.] • Probability of death no-shock with hiv [<u>nosshock</u>: Estimates were made excluding deaths from natural disasters, wars, etc.] |
| metric_id | Metric ID | Unique numeric identifier for the metric. |

| Variable | Variable Label | Variable Definition |
|-------------|---|--|
| metric_name | Metric Name | Metric/unit of measure 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:

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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.