



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Mortality Burden Attributable to Non-Optimal Temperature 1990-2019

Date of release: September 29, 2021

Summary:

This dataset contains estimates for deaths and years of life lost (YLLs) attributable to non-optimal temperature exposure (including high temperature, low temperature, and the aggregate non-optimal temperature risk) for 204 countries, Global Burden of Disease Study (GBD) regions and super regions, and globally for the years 1990, 2010, and 2010. These estimates inform a paper published in *The Lancet* in August 2021 titled “Estimating the cause-specific relative risks of non-optimal temperature on daily mortality: a two-part modelling approach applied to the Global Burden of Disease Study.”

Relevant publications and visualizations:

- Burkart KG, Brauer M, Aravkin AY, et al. Estimating the cause-specific relative risks of non-optimal temperature on daily mortality: a two-part modelling approach applied to the Global Burden of Disease Study. *The Lancet*. 21 August 2021.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

Funders:

- Bill & Melinda Gates Foundation (BMGF)

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). Mortality Burden Attributable to Non-Optimal Temperature 1990-2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2021.

Data Files Information

File Inventory

File Name	Description	Version Date
IHME_MORTALITY_TEMPERATURE_1990_2019_DATA_Y2021M09D27.CSV	Estimates for mortality due to non-optimal temperature: 1990, 2010, 2019	September 27, 2021
IHME_MORTALITY_TEMPERATURE_1990_2019_CODEBOOK_Y2021M09D27.CSV	Codebook	September 27, 2021
IHME_MORTALITY_TEMPERATURE_1990_2019_INFO_SHEET_Y2021M09D27.PDF	Data Release Information Sheet	September 27, 2021

Variable Information

Variable	Variable Label	Variable Definition
measure_id	Measure ID	A unique numeric identifier for the measure generated and stored in an IHME database of data dimensions.
measure_name	Measure Name	The measure (indicator) for the estimate.
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_type	Location Type	The location type for the estimate. Possible values: global, superregion, region, admin0, nonsovereign
sex_id	Sex ID	A unique numeric identifier for the sex generated and stored in an IHME database of data dimensions.
sex_name	Sex Name	The gender for the estimate.
age_group_id	Age Group ID	A unique numeric identifier for the age group generated and stored in an IHME database of data dimensions.

Variable	Variable Label	Variable Definition
age_group_name	Age Group Name	The age group for the estimate.
cause_id	Cause ID	A unique numeric identifier for the GBD cause generated and stored in an IHME database of data dimensions.
cause_name	Cause Name	The cause associated with the estimate.
acause	acause	Another name/label for a GBD cause. Quasi-deprecated by requested by some users.
rei	REI	Risk, etiology, or impairment category
rei_id	REI ID	A unique numeric identifier for the GBD risk, etiology, or impairment generated and stored in an IHME database of data dimensions.
rei_name	REI Name	The risk, etiology, or impairment for the estimate.
year_id	Year ID	The time period for the estimate.
metric_id	Metric ID	A unique numeric identifier for the metric.
metric_name	Metric Name	The 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:

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.