



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: COVID-19 Excess Mortality Estimates 2020-2021

Date of release: March 10, 2022

Summary:

This dataset contains estimates of excess mortality from the COVID-19 pandemic for global populations during the period of January 1, 2020 – December 31, 2021. Excess mortality is defined as the net difference between the number of deaths during the pandemic (measured by observed or estimated all-cause mortality) and the number of deaths that would be expected based on past trends in all-cause mortality. The dataset also includes reported COVID-19 deaths (or deaths attributable to the virus), the reported COVID-19 mortality rate and the ratio between excess mortality rate and reported COVID-19 mortality rate for the same time period. The ratio of excess mortality rate to reported COVID-19 mortality is a measurement of undercounting of the true mortality impact of the pandemic. Methods and limitations for the model for estimating excess mortality can be found in detail in the publication.

Relevant publications and visualizations:

COVID-19 Excess Mortality Collaborators. Estimating excess mortality due to the COVID-19 pandemic: a systematic analysis of COVID-19-related mortality, 2020–21. *The Lancet*. 10 March 2022.

Acknowledgements

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Data Files Information

File Inventory

File Name	Description	Version Date
IHME_EM_COVID19_2020_2021_DATA_Y2022M03D10.CSV	Location specific estimates of reported COVID deaths, reported COVID death rate, excess mortality death estimates, excess mortality death rate and the ratio of excess mortality death rate over reported COVID death rate.	March 10, 2022
IHME_EM_COVID19_2020_2021_CODEBOOK_Y2022M03D10.CSV	Codebook - Location specific estimates of reported COVID deaths, reported COVID death rate, excess mortality death estimates, excess mortality death rate and the ratio of excess mortality death rate over reported COVID death rate.	March 10, 2022
IHME_EM_COVID_19_DATA_INPUT_SOURCES_Y2022M03D10.CSV	Data input sources – Excess mortality	March 10, 2022
IHME_EM_COVID19_2020_2021_INFO_SHEET_Y2022M03D10.PDF	Data Release Information Sheet	March 10, 2022

Variable Information

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.
parent_id	Parent ID	The 'location_id' value for the location one level higher in the GBD location hierarchy (i.e., the parent location).
level	Location Level	Level in the GBD location hierarchy for the given location; '3' indicates countries and territories and '4' indicates sub-national regions.

Variable	Variable Label	Variable Definition
gbd_region_id	GBD Region ID	A unique numeric identifier for the location generated and stored in an IHME database of data dimensions
gbd_region_name	GBD Region Name	A descriptive label identifying the GBD region.
gbd_super_region_id	GBD Super-region ID	A unique numeric identifier for the location generated and stored in an IHME database of data dimensions
gbd_super_region_name	GBD Super-region Name	A descriptive label identifying the GBD super region.
measure_name	Measure Name	The measure (indicator) 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.
mean_value	Value	Mean estimate.
lower_bound	95% uncertainty interval (Lower Bound)	2.5% percentile estimate.
upper_bound	95% uncertainty interval (Upper Bound)	97.5% 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.