



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Burden of Disease (GBD) Cardiovascular Burden Estimates 1990 and 2021

Date of release: December 12, 2022

Summary:

This dataset includes total cardiovascular disease burden estimates globally for multiple cardiovascular diseases for 7 Global Burden of Disease Study (GBD) super regions, 21 GBD regions, 204 countries and territories, and select subnational locations. The following are reported: mortality by age and sex for the years 1990 and 2021; age-standardized mortality in 2021 by Socio-Demographic Index (SDI), a composite indicator of fertility, income, and education; all ages and age-standardized prevalence for 2021; and age-standardized disability-adjusted life years (DALYs) for 2021. The dataset also includes burden attributable to selected risk factors for each GBD region in 2021, as measured by DALYs. These data are custom calculated for publication in the Journal of the American College of Cardiology and will not be available in the GBD 2021 Results Tool.

Relevant publications and visualizations:

- Vaduganathan M, Mensah GA, Turco JV, Fuster V, Roth G. The Global Burden of Cardiovascular Diseases and Risk: A Compass for future health. Journal of the American College of Cardiology. 12 December 2022.

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 (GBD) Region Cardiovascular Burden Estimates 1990 and 2021. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2022.

Data Files Information

File Inventory

File Name	Description	Version Date
IHME_GBD_REGION_CVD_1990_2021_DISEASE_Y2022M12D03.CSV	Disease estimates with uncertainty	December 12, 2022
IHME_GBD_REGION_CVD_1990_2021_RISKS_Y2022M12D03.CSV	Risk estimates with uncertainty	December 12, 2022
IHME_GBD_REGION_CVD_1990_2021_CODEBOOK_DISEASE_Y2022M12D09.CSV	Disease Codebook	December 12, 2022
IHME_GBD_REGION_CVD_1990_2021_CODEBOOK_RISKS_Y2022M12D09.CSV	Risk Codebook	December 12, 2022
IHME_GBD_REGION_CVD_1990_2021_INFO_SHEET_Y2022M12D09.DOCX	Data Release Information Sheet	December 12, 2022

Variable Information

Disease Dataset:

Variable	Variable Label	Variable Definition
region_id	Region ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions
region_name	Region Name	Name of GBD Region
location_id	Location ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions
location_name	Location Name	Name of GBD location
sex_id	Sex ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions
sex	Sex	Sex for the estimate
age_group_id	Age Group ID	Number assigned to age group
age_group_name	Age Group estimated	Name of age group
year_id	Year	The year of the estimate

Variable	Variable Label	Variable Definition
cause_id	Cause ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions
cause_name	Cause Name	Name of GBD cause
measure_name	Measure Name	The measure (indicator) for the estimate
metric_name	Metric Name	Metric/unit of measure for the estimate
val	Raw Mean Value	Raw mean value (values shown per 100,000)
upper	Upper Value	Raw 97.5% uncertainty interval value
lower	Lower Value	Raw 2.5% uncertainty interval value

Risk Dataset:

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	Name of GBD location
year_id	Year	Year
age_group_id	Age Group ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions
age_group_name	Age Group Name	Name of age group
sex_id	Sex ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions
sex	Sex	Name of sex
cause_id	Cause ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions
cause_name	Cause Name	Name of GBD cause
rei	REI	Code assigned to GBD risk
rei_name	REI Name	Name of GBD risk
measure_name	Measure Name	Name of measure type
metric_name	Metric Name	Name of metric type
val	Value	Raw mean value (values shown per 100,000)
upper	Upper Value	Raw uncertainty interval 97.5% uncertainty interval value
lower	Lower Value	Raw 2.5% uncertainty interval value

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.