



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Burden of Disease Study 2019 (GBD 2019) Risk Factors-Attributable Cancer Burden Estimates 2010-2019

Date of release: October 14, 2022

Summary:

This dataset includes custom generated risk-attributable, non-risk attributable and total cancer burden estimates by location, age group, sex, cause, risk, and measure for the year 2019 that are not part of the 2019 [GBD Results tool](#). This dataset also contains metrics that are custom calculated such as male to female ratios, proportions, and change between two years of estimates. Some examples of results: age-standardized mortality rates attributable to risks assessed and age-standardized mortality rates not attributable to risks assessed for cancers attributable to risk factors, for non-high Socio-Demographic Index (SDI) and high SDI in 2019 by sex. Non-high SDI include low, low-middle, middle, and high-middle SDI locations.

Relevant publications and visualizations:

GBD 2019 Cancer Risk Factors Collaborators. The global burden of cancer attributable to risk factors, 2010–19: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 20 August 2022.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

Funders:

- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Global Burden of Disease Collaborative Network. Global Burden of Disease Study 2019 (GBD 2019) Risk Factors-Attributable Cancer Burden Estimates 2010–2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2022.

Data Files Information

File Inventory

File Name	Description	Version Date
GBD_2019_CANCER_2010_2019_DATA_Y2022M10D14.CSV.CSV	Data file	October 14, 2022
GBD_2019_CANCER_2010_2019_CODE_BOOK_Y2022M10D14.CSV	Codebook	October 14, 2022
GBD_2019_CANCER_2010_2019_INFO_SHEET_Y2022M10D14.PDF	Data Release Information Sheet	October 14, 2022

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. Note: No ID exists for the bespoke location “Non-high SDI.”
location_name	Location Name	The location for the estimate.
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.
age_group_name	Age Group Name	The age group for the estimate.

Variable	Variable Label	Variable Definition
cause_id	Cause ID	A unique numeric identifier for the cause generated and stored in an IHME database of data dimensions
cause_name	Cause name	The cause for the estimate.
rei_id	Rei ID	A unique numeric identifier for the risk, etiology, impairment, or injury generated and stored in an IHME database of data dimensions.
rei_name	Rei name	The risk, etiology, impairment, or injury for the estimate
year_id	Year ID	The time period for the estimate.
year_start_id	Start year ID	The time period used as the start year in the change between estimates for a given year range. Only applicable when the metric is a change in the estimate for a given year range (Absolute difference in number)
year_end_id	End year ID	The time period used as the start year in the change between estimates for a given year range. Only applicable when the metric is a change in the estimate for a given year range (Absolute difference in number)
metric_id	Metric ID	A unique numeric identifier for the metric. Note: Metrics specific to this analysis do not include IDs.
metric_name	Metric Name	The metric/unit of measure for the estimate.
metric_numerator_name	Metric numerator name	The metric/unit of measure for the numerator of the estimate. This only applies when the metric_name is Proportion, Ratio, Ratio not attributable to risks assessed, or Relative uncertainty in the percent of risk-attributable rate.

Variable	Variable Label	Variable Definition
metric_denominator_name	Metric denominator name	This only applies when the metric_name is Proportion, Ratio, Ratio not attributable to risks assessed, or Relative uncertainty in the percent of risk-attributable rate.
val	Value	Mean estimate.
upper	95% Uncertainty Interval (Upper Bound)	97.5% percentile estimate.
lower	95% Uncertainty Interval (Lower Bound)	2.5% percentile estimate.

Data Input Sources

Information about the data input sources used to produce these estimates can be identified in the [GBD 2019 Data Sources Tool](#). Query the tool by component, location, and cause or risk factor.

Code

Code used to produce these estimates is available from these [GBD 2019 Code pages](#).

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.