



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: United States Health-Care Spending Attributable to Modifiable Risk Factors 2016

Date of release: September 30, 2020

Summary:

This dataset is the result of a study to quantify health-care spending attributable to modifiable risk factors in the United States of America for 2016. Data from two existing studies were used to produce the estimates. The first dataset is the [Institute for Health Metrics and Evaluation's Disease Expenditure Study 2016](#), from which estimates of US health-care spending by condition, age, and sex were extracted. These results were merged with population attributable fraction estimates for 84 modifiable risk factors from the [Global Burden of Diseases, Injuries, and Risk Factors Study \(GBD\) 2017](#). Estimates were produced for spending by 14 aggregate conditions attributable to 19 risk factors. The estimates are by sex and 5 age groups and reported in 2016 US dollars.

Relevant publications and visualizations:

Bolnick HJ, Bui AL, Bulchis A, Chen C, Chapin A, Lomsadze L, et al. Health-care spending attributable to modifiable risk factors in the USA: an economic attribution analysis. *The Lancet Public Health*. 29 Sep 2020.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)
- Vitality Institute

Funders:

- Vitality Institute

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME), Vitality Institute. United States Health-Care Spending Attributable to Modifiable Risk Factors 2016. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2020.

Data Files Information

File Inventory

File Name	Description	Version Date
IHME_USA_RISK_SPENDING_2016_Y2020M09D29.CSV	Attributable spending estimates	September 29, 2020
IHME_USA_RISK_SPENDING_2016_CODEBOOK_Y2020M09D29.CSV	Codebook	September 29, 2020
IHME_USA_RISK_SPENDING_2016_INFO_SHEET_Y2020M09D29.PDF	Data Release Information Sheet	September 29, 2020

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 of the estimate.
year	Year	The time period of the estimate.
sex_ID	Sex ID	A unique numeric identifier for the sex generated and stored in an IHME database of data dimensions.
sex	Sex	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 estimated.
acause	Acause	A unique identifier for the health condition generated and stored in an IHME database of data dimensions.
cause_name	Cause Name	The health condition for the estimate.

Variable	Variable Label	Variable Definition
risk_id	Risk ID	A unique identifier for the risk factor generated and stored in an IHME database of data dimensions.
risk_name	Risk Factor	The risk factor for the estimate
metric	Metric	The metric/unit of measure for the estimate. Possible values: 2016 US Dollar
mean	Mean	Mean estimate.
lower	95% Uncertainty Interval (Lower Bound)	2.5% percentile estimate.
upper	95% Uncertainty Interval (Upper Bound)	97.5% percentile estimate.

Additional Information

Terms and Conditions

<http://www.healthdata.org/about/terms-and-conditions>

Contact information

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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.