



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: United States Health Expenditure by State, Payer, and Type of Care, 2003-2019

Date of release: August 1, 2022 Date of Update: August 23, 2022

Summary:

This dataset contains health expenditure by state and the District of Columbia for the United States for the years 2003-2019, reported in spending per person in 2020 United States Dollars (USD). These data include total health expenditure, health spending by payer, and health spending by type of service, sourced from the Centers for Medicare and Medicaid Services (CMS) State Health Expenditure Accounts from 1991-2014 and estimated by IHME for 2015-2019. In addition to true spending estimates, these data contain standardized estimates of total health spending and spending by payer, where estimates were controlled for state variation in age, regional prices, income, population density, and health risk factors. Standardized estimates were produced by IHME for the years 2003-2019.

Relevant publications and visualizations:

Johnson EK, Wojtosta MW, Crosby SC, Duber HC, Jun E, Lescinsky H, et. al. Varied health spending growth across US states was associated with income, price levels, and Medicaid expansion. *Health Affairs*. 1 August 2022.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

Funders:

- Gates Ventures
- Peterson Center on Healthcare

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). United States Health Expenditure by State, Payer, and Type of Care, 2003-2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2022.

Data Files Information

File Inventory

File Name	Description	Version Date
IHME_USA_STATE_HEALTH_SPENDING_2003_2019_DATA_Y2022M08D01.CSV	State health expenditure in total and by payer and type of service, and standardized spending estimates in total and by payer, 2003-2019 [CSV]	August 1, 2022
IHME_USA_STATE_HEALTH_SPENDING_2003_2019_CODEBOOK_Y2022M08D01.CSV	Codebook [CSV]	August 1, 2022
IHME_USA_STATE_HEALTH_SPENDING_2003_2019_DATA_TABLES_Y2022M08D23.XLSX	<p>Tables [XLSX]:</p> <ul style="list-style-type: none"> • Table e9a: Projected estimates, total spending and spending per person 2015-2019 • Table e9b: Projected estimates, percentage of total spending by payer, 2015-2019 • Table e9c: Projected estimates, percentage of total spending by type of service, 2015-2019 • Table e9d: Projected annualized rate of change for real spending estimates, 2013-2019 • Table e9e: Projected annualized rate of change for standardized spending estimates, 2013-2019 <p>These tables were extracted from the related publication's supplemental appendix.</p>	August 23, 2022
IHME_USA_STATE_HEALTH_SPENDING_2003_2019_DATA_INPUT_SOURCES_Y2022M08D01.XLSX	Data Input Sources	August 1, 2022
IHME_USA_STATE_HEALTH_SPENDING_2003_2019_INFO_SHEET_Y2022M08D23.PDF	Data Release Information Sheet	August 23, 2022

Update Information

This dataset was updated on August 23, 2022, to include the data tables Excel workbook file.

Variable Information

Variable	Variable Label	Variable Definition
year	Year	Year of estimation
region	US Census Region	The US census region where the state of estimation is located.
division	US Census Division	The US census division where the state of estimation is located.
state	State	The state of estimation (includes D.C.).
population	State Population	The population of each state for a given year.
group	Estimate Disaggregation Group	An identifier for the disaggregation for a particular estimate, where health spending from a single group (in total space, not per person) can be summed to equal the state total spending. Will be either Total, Payer, or Type of Care (TOC).
subgroup	Specific Disaggregated Estimate of Interest	The payer or type of service relevant to each estimate. If the group value is Total, the subgroup will also be Total.
metric	Metric of Interest	The type of spending estimate in each row: either spending per capita in 2020 USD, or standardized spending per capita in 2020 USD.
val	Value	Mean estimate.
upper	95% Uncertainty Interval (Upper Bound)	97.5% percentile estimate. Will be NA for the data sourced directly from CMS' State Health Expenditure Accounts.
lower	95% Uncertainty Interval (Lower Bound)	2.5% percentile estimate. Will be NA for the data sourced directly from CMS' State Health Expenditure Accounts.

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.