



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: United States Healthcare Spending in Emergency Departments by Health Condition 2006-2016

Date of release: October 27, 2021

Summary:

These Emergency Department (ED) health spending estimates are part of the [Disease Expenditure Project \(DEX\)](#) at IHME, which produced estimates for US spending on health care according to 3 types of payers: public insurance (including Medicare, Medicaid, and other government programs), private insurance, and out-of-pocket payments. This dataset contains ED spending estimates by aggregate health category, age group, sex, and payer for 2006 through 2016. The underlying data set used to generate estimates was the National Emergency Department Sample (NEDS); the DEX data pipeline was also leveraged to include government budgets, insurance claims, facility records, household surveys, and official US records from 2006 through 2016 to produce the results.

Relevant publications and visualizations:

Woody Scott K, Liu A, Chen C, Kaldjian AS, Sabbatini AK, Duber, HC, Dieleman JL. Healthcare Spending in U.S. Emergency Departments by Health Condition, 2006-2016. *PLOS One*. 27 October 2021.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

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- National Institute on Aging (NIA), National Institutes of Health (NIH)

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). United States Healthcare Spending in Emergency Departments by Health Condition 2006-2016. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2021.

Data Files Information

File Inventory

File Name	Description	Version Date
IHME_DEX_ED_SPENDING_2006_2016_DATA_Y2021M09D23.CSV	Estimates	September 23, 2021
IHME_DEX_ED_SPENDING_2006_2016_CODEBOOK_Y2021M09D23.CSV	Codebook	September 23, 2021
IHME_DEX_ED_SPENDING_2006_2016_INFO_SHEET_Y2027M10D27.PDF	Data Release Information Sheet	October 27, 2021

Variable Information

Variable	Variable Label	Variable Definition
year_id	Year	The time period of 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 of 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.
agg_cause	Aggregated Cause Name	Aggregate health category for the estimate.
mean_all	Mean - All Payers	Total ED Health Spending (2016 United States dollars (USD))
lower_all	95% Uncertainty Interval (Lower Bound) - All Payers	Total ED Health Spending, Lower UI (2016 United States dollars (USD))
upper_all	95% Uncertainty Interval (Upper Bound) - All Payers	Total ED Health Spending, Upper UI (2016 United States dollars (USD))
mean_pub	Mean - Public Insurance	Public Insurance Spending (2016 United States dollars (USD))

Variable	Variable Label	Variable Definition
lower_pub	95% Uncertainty Interval (Lower Bound) - Public Insurance	Public Insurance Spending, Lower UI (2016 United States dollars (USD))
upper_pub	95% Uncertainty Interval (Upper Bound) - Public Insurance	Public Insurance Spending, Upper UI (2016 United States dollars (USD))
mean_pri	Mean - Private Insurance	Private Insurance Spending (2016 United States dollars (USD))
lower_pri	95% Uncertainty Interval (Lower Bound) - Private Insurance	Private Insurance Spending, Lower UI (2016 United States dollars (USD))
upper_pri	95% Uncertainty Interval (Upper Bound) - Private Insurance	Private Insurance Spending, Upper UI (2016 United States dollars (USD))
mean_oop	Mean - Out-of-pocket	Out-of-Pocket Spending (2016 United States dollars (USD))
lower_oop	95% Uncertainty Interval (Lower Bound) - Out-of-Pocket	Out-of-Pocket Spending, Lower UI (2016 United States dollars (USD))
upper_oop	95% Uncertainty Interval (Upper Bound) - Out-of-Pocket	Out-of-Pocket Spending, Upper UI (2016 United States dollars (USD))

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.