Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: United States Infectious Disease Mortality Rates by County 1980-2014

Date of release: September 26, 2017

Summary:
IHME research produced estimates for age-standardized mortality rates by county from chronic respiratory diseases. The estimates were generated using de-identified death records from the National Center for Health Statistics (NCHS); population counts from the U.S. Census Bureau, NCHS, and the Human Mortality Database; the cause list from the Global Burden of Disease Study (GBD); and the application of small area estimation models. This dataset provides estimates for age-standardized mortality rates by disease type and sex at the county level for each state, the District of Columbia, and the United States as a whole for 1980-2014, as well as the changes in rates for each location during this period. Also included are data on the 10 counties with the highest and lowest mortality rates for each disease type in 2014. Study results were published in *JAMA* in September 2017 in "Trends and patterns of differences in chronic respiratory disease mortality among US counties, 1980–2014."

Relevant publications and visualizations:

- Dwyer-Lindgren L, Bertozzi-Villa A, Stubbs RW, Morozoff C, Shirude S, Naghavi M, Mokdad AH, Murray CJL. Trends and patterns of differences in chronic respiratory disease mortality among US counties, 1980–2014. *JAMA*. 25 Sept 2017; 318(12):1136-1149. doi:10.1001/jama.2017.11747.
- US Health Map visualization
- US County Profiles

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

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Data Files Information

XLSX Files

These files contain estimates for the age-standardized mortality rate (deaths per 100,000 population) for both sexes combined for the years 1980, 1985, 1990, 1995, 2000, 2005, 2010, and 2014. They also contain the percentage change in each location for the period 1980-2014. Estimates for each cause are included in separate sheets in each Excel file.

Additionally, one file contains the top 10 counties with the highest and lowest mortality rates for each cause in 2014 and the top 10 counties with the largest increases and decreases for each cause from 1980-2014.

The files are formatted and labeled for human readability.

CSV Files

These machine-readable data files contain estimates for the age-standardized mortality rate (deaths per 100,000 population) for each sex and both sexes combined for each year in the period 1980-2014.

The files contain unique numeric identifiers as well as text labels for locations, age groups, causes, and other dimensions of the data.

Variable	Variable Label	Variable Definition
measure_id	Measure ID	Unique numeric identifier for the measure generated and stored in an IHME database of data dimensions
measure_name	Measure Name	The measure (indicator) of the estimate
location_ID	Location ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions

location_name	Location Name	Location of the estimate
FIPS	FIPS Code	The Federal Information Processing Standards (FIPS) code, a unique identifier for states and counties in the United States
cause_id	Cause ID	Unique numeric identifier for the cause of disease or injury generated and stored in an IHME database of data dimensions
cause_name	Cause Name	Cause of disease or injury of the estimate
sex_ID	Sex ID	Unique numeric identifier for the sex generated and stored in an IHME database of data dimensions
sex_name	Sex	Gender for the estimate
age_group_ID	Age Group ID	Unique numeric identifier for the age group generated and stored in an IHME database of data dimensions
age_group_name	Age Group Name	Age group estimated
year_ID	Year	Time period of estimate
metric	Metric	Metric/unit of measure for the estimate
mx	Value	Posterior mean estimate
lower	95% Uncertainty Interval - Lower Bound	2.5% percentile estimate
upper	95% Uncertainty Interval – Upper Bound	97.5% percentile estimate

Codebooks

Variable names, labels, and value encoding can be found in the machine-actionable codebook file **IHME_USA_COUNTY_RESP_DISEASE_MORTALITY_1980_2014_CODEBOOK_Y2017M09D26.CSV**.

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.