Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Burden of Disease Study 2019 (GBD 2019) Human Resources for Health 1990-2019

Date of release: June 4, 2022

Summary:

The Global Burden of Disease Study 2019 (GBD 2019), coordinated by the Institute for Health Metrics and Evaluation (IHME), estimated the burden of diseases, injuries, and risk factors for 204 countries and territories and selected subnational locations.

A GBD 2019 analysis also produced estimates for health workforce densities for 204 countries and territories from 1990–2019. Data used come from WHO's Global Health Observatory and cross-sectional surveys and censuses that sampled general working-age populations (defined as ages 15–69) in which respondents self-reported employment status and current occupation. Employment and occupation data were mapped to the International Standard Classification of Occupations (ISCO) 88. This dataset includes annual estimates by location for health workforce densities per 10,000 employed individuals for 23 health worker cadres.

For additional GBD results and resources, visit the GBD 2019 Data Resources page.

Relevant publications and visualizations:

GBD 2019 Human Resources for Health Collaborators. Measuring the availability of human resources for health and its relationship to universal health coverage for 204 countries and territories from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 4 June 2022.

Acknowledgements

Contributing organizations:

- Global Burden of Disease Collaborative Network

Funders:

- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Global Burden of Disease Collaborative Network. Global Burden of Disease Study 2019 (GBD 2019) Human Resources for Health 1990-2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2022.

File Inventory

File Name	Description	Version Date
IHME_GBD_2019_HRH_1990_2019_DATA_Y2022M06D03.CSV	Health workforce density estimates 1990-2019	June 3, 2022
IHME_GBD_2019_HRH_1990_2019_CODEBOOK_Y2022M06D03.CSV	Codebook	June 3, 2022
IHME_GBD_2019_HRH_1990_2019_DATA_INPUT_SOURCES_Y2022M06D03.XLSX	Data input sources	June 3, 2022
GBD_2017_HRH_1990_2019_INFO_SHEET_Y2022M06D03.PDF	Data Release Information Sheet	June 3, 2022

Data Files Information

Variable	Variable Label	Variable Definition
measure	Measure	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.
year	Year	Time period of estimate.
Cadre	Cadre	Health worker cadre.
metric	Metric	Metric/unit of measure for the estimate.
mean	Mean	Mean estimate.
upper	95% Uncertainty Interval (Upper Bound)	97.5% percentile estimate.
lower	95% Uncertainty Interval (Lower Bound)	2.5% percentile estimate.

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.