



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Expected Health Spending 2018-2050

Date of release: April 23, 2020 Update: July 9, 2020

Summary:

Research by the Global Burden of Disease Health Financing Collaborator Network produced projected health spending estimates for 2018-2050 for 195 countries and territories. The estimates cover total health spending, health spending disaggregated by source into three domestic financing source categories (government, out-of-pocket, and prepaid private), and development assistance for health (DAH). [Retrospective health spending estimates for 1995-2017](#) and key covariates (including GDP per capita, total government spending, total fertility rate, and fraction of the population older than 65 years) were used to forecast GDP and health spending through 2050. Estimates are reported in constant 2019 US dollars, constant 2019 purchasing-power parity-adjusted (PPP) dollars, and as a percent of gross domestic product.

Relevant publications and visualizations:

- Global Burden of Disease Health Financing Collaborator Network. Health spending for Sustainable Development Goal 3: total, HIV/AIDS, tuberculosis, malaria, universal health service coverage, financial risk protection, and donor spending, 2000 to 2030 and 2050. *The Lancet*. 23 April 2020.
- [Financing Global Health visualization](#)

Acknowledgements

Contributing organizations:

- Global Burden of Disease Health Financing Collaborator Network

Funders:

- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Global Burden of Disease Health Financing Collaborator Network. Global Expected Health Spending 2018-2050. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2020.

File Inventory

File Name	Description	Version Date
IHME_EXPECTED_HEALTH_SPENDING_2018_2050_Y2020M04D23.CSV	Projected health spending estimates [CSV]	July 9, 2020
IHME_EXPECTED_HEALTH_SPENDING_2018_2050_Y2020M04D23.DTA	Projected health spending estimates [DTA]	July 9, 2020
IHME_EXPECTED_HEALTH_SPENDING_2018_2050_CODEBOOK_Y2020M04D23.CSV	Codebook	April 23, 2020
IHME_EXPECTED_HEALTH_SPENDING_2018_2050_INFO_SHEET_Y2020M04D23.PDF	Data Release Information Sheet	July 9, 2020

Updated File Information

The data files were updated after errors were discovered in the original estimates.

Data Files Information

Variable	Variable Label	Variable Definition
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
iso3	ISO 3-digit Code	ISO 3-digit Code
level	Location Category	Location Category
year	Year	Time period of estimate
the_total_mean	Total Health Spending (thousands of 2019 USD)	Total Health Spending (thousands of constant 2019 United States dollars)
the_total_lower	Total Health Spending, Lower UI (thousands of 2019 USD)	Total Health Spending, Lower UI (thousands of constant 2019 United States dollars)
the_total_upper	Total Health Spending, Upper UI (thousands of 2019 USD)	Total Health Spending, Upper UI (thousands of constant 2019 United States dollars)
the_total_ppp_mean	Total Health Spending (thousands of 2019 PPP)	Total Health Spending (thousands of constant 2019 purchasing power parity dollars)

Variable	Variable Label	Variable Definition
the_total_ppp_lower	Total Health Spending, Lower UI (thousands of 2019 PPP)	Total Health Spending, Lower UI (thousands of constant 2019 purchasing power parity dollars)
the_total_ppp_upper	Total Health Spending, Upper UI (thousands of 2019 PPP)	Total Health Spending, Upper UI (thousands of constant 2019 purchasing power parity dollars)
ghes_total_mean	Government Spending (thousands of 2019 USD)	Government Spending (thousands of constant 2019 United States dollars)
ghes_total_lower	Government Spending, Lower UI (thousands of 2019 USD)	Government Spending, Lower UI (thousands of constant 2019 United States dollars)
ghes_total_upper	Government Spending, Upper UI (thousands of 2019 USD)	Government Spending, Upper UI (thousands of constant 2019 United States dollars)
ghes_total_ppp_mean	Government Spending (thousands of 2019 PPP)	Government Spending (thousands of constant 2019 purchasing power parity dollars)
ghes_total_ppp_lower	Government Spending, Lower UI (thousands of 2019 PPP)	Government Spending, Lower UI (thousands of constant 2019 purchasing power parity dollars)
ghes_total_ppp_upper	Government Spending, Upper UI (thousands of 2019 PPP)	Government Spending, Upper UI (thousands of constant 2019 purchasing power parity dollars)
ppp_total_mean	Prepaid Private Spending (thousands of 2019 USD)	Prepaid Private Spending (thousands of constant 2019 United States dollars)
ppp_total_lower	Prepaid Private Spending, Lower UI (thousands of 2019 USD)	Prepaid Private Spending, Lower UI (thousands of constant 2019 United States dollars)
ppp_total_upper	Prepaid Private Spending, Upper UI (thousands of 2019 USD)	Prepaid Private Spending, Upper UI (thousands of constant 2019 United States dollars)
ppp_total_ppp_mean	Prepaid Private Spending (thousands of 2019 PPP)	Prepaid Private Spending (thousands of constant 2019 purchasing power parity dollars)
ppp_total_ppp_lower	Prepaid Private Spending, Lower UI (thousands of 2019 PPP)	Prepaid Private Spending, Lower UI (thousands of constant 2019 purchasing power parity dollars)
ppp_total_ppp_upper	Prepaid Private Spending, Upper UI (thousands of 2019 PPP)	Prepaid Private Spending, Upper UI (thousands of constant 2019 purchasing power parity dollars)
oop_total_mean	Out-of-Pocket Spending (thousands of 2019 USD)	Out-of-Pocket Spending (thousands of constant 2019 United States dollars)

Variable	Variable Label	Variable Definition
oop_total_lower	Out-of-Pocket Spending, Lower UI (thousands of 2019 USD)	Out-of-Pocket Spending, Lower UI (thousands of constant 2019 United States dollars)
oop_total_upper	Out-of-Pocket Spending, Upper UI (thousands of 2019 USD)	Out-of-Pocket Spending, Upper UI (thousands of constant 2019 United States dollars)
oop_total_ppp_mean	Out-of-Pocket Spending (thousands of 2019 PPP)	Out-of-Pocket Spending (thousands of constant 2019 purchasing power parity dollars)
oop_total_ppp_lower	Out-of-Pocket Spending, Lower UI (thousands of 2019 PPP)	Out-of-Pocket Spending, Lower UI (thousands of constant 2019 purchasing power parity dollars)
oop_total_ppp_upper	Out-of-Pocket Spending, Upper UI (thousands of 2019 PPP)	Out-of-Pocket Spending, Upper UI (thousands of constant 2019 purchasing power parity dollars)
dah_total_mean	Development Assistance for Health (thousands of 2019 USD)	Development Assistance for Health (thousands of constant 2019 United States dollars)
dah_total_lower	Development Assistance for Health, Lower UI (thousands of 2019 USD)	Development Assistance for Health, Lower UI (thousands of constant 2019 United States dollars)
dah_total_upper	Development Assistance for Health, Upper UI (thousands of 2019 USD)	Development Assistance for Health, Upper UI (thousands of constant 2019 United States dollars)
dah_total_ppp_mean	Development Assistance for Health (thousands of 2019 PPP)	Development Assistance for Health (thousands of constant 2019 purchasing power party dollars)
dah_total_ppp_lower	Development Assistance for Health, Lower UI (thousands of 2019 PPP)	Development Assistance for Health, Lower UI (thousands of constant 2019 purchasing power party dollars)
dah_total_ppp_upper	Development Assistance for Health, Upper UI (thousands of 2019 PPP)	Development Assistance for Health, Upper UI (thousands of constant 2019 purchasing power party dollars)
the_per_cap_mean	Total Health Spending per Person (2019 USD)	Total Health Spending per Person (constant 2019 United States dollars)
the_per_cap_lower	Total Health Spending per Person, Lower UI (2019 USD)	Total Health Spending per Person, Lower UI (constant 2019 United States dollars)
the_per_cap_upper	Total Health Spending per Person, Upper UI (2019 USD)	Total Health Spending per Person, Upper UI (constant 2019 United States dollars)
the_per_cap_ppp_mean	Total Health Spending per Person (2019 PPP)	Total Health Spending per Person (constant 2019 purchasing power parity dollars)

Variable	Variable Label	Variable Definition
the_per_cap_ppp_lower	Total Health Spending per Person, Lower UI (2019 PPP)	Total Health Spending per Person, Lower UI (constant 2019 purchasing power parity dollars)
the_per_cap_ppp_upper	Total Health Spending per Person, Upper UI (2019 PPP)	Total Health Spending per Person, Upper UI (constant 2019 purchasing power parity dollars)
ghes_per_cap_mean	Government Spending per Person (2019 USD)	Government Spending per Person (constant 2019 United States dollars)
ghes_per_cap_lower	Government Spending per Person, Lower UI (2019 USD)	Government Spending per Person, Lower UI (constant 2019 United States dollars)
ghes_per_cap_upper	Government Spending per Person, Upper UI (2019 USD)	Government Spending per Person, Upper UI (constant 2019 United States dollars)
ghes_per_cap_ppp_mean	Government Spending per Person (2019 PPP)	Government Spending per Person (constant 2019 purchasing power parity dollars)
ghes_per_cap_ppp_lower	Government Spending per Person, Lower UI (2019 PPP)	Government Spending per Person, Lower UI (constant 2019 purchasing power parity dollars)
ghes_per_cap_ppp_upper	Government Spending per Person, Upper UI (2019 PPP)	Government Spending per Person, Upper UI (constant 2019 purchasing power parity dollars)
ppp_per_cap_mean	Prepaid Private Spending per Person (2019 USD)	Prepaid Private Spending per Person (constant 2019 United States dollars)
ppp_per_cap_lower	Prepaid Private Spending per Person, Lower UI (2019 USD)	Prepaid Private Spending per Person, Lower UI (constant 2019 United States dollars)
ppp_per_cap_upper	Prepaid Private Spending per Person, Upper UI (2019 USD)	Prepaid Private Spending per Person, Upper UI (constant 2019 United States dollars)
ppp_per_cap_ppp_mean	Prepaid Private Spending per Person (2019 PPP)	Prepaid Private Spending per Person (constant 2019 purchasing power parity dollars)
ppp_per_cap_ppp_lower	Prepaid Private Spending per Person, Lower UI (2019 PPP)	Prepaid Private Spending per Person, Lower UI (constant 2019 purchasing power parity dollars)
ppp_per_cap_ppp_upper	Prepaid Private Spending per Person, Upper UI (2019 PPP)	Prepaid Private Spending per Person, Upper UI (constant 2019 purchasing power parity dollars)
oop_per_cap_mean	Out-of-Pocket Spending per Person (2019 USD)	Out-of-Pocket Spending per Person (constant 2019 United States dollars)
oop_per_cap_lower	Out-of-Pocket Spending per Person, Lower UI (2019 USD)	Out-of-Pocket Spending per Person, Lower UI (constant 2019 United States dollars)

Variable	Variable Label	Variable Definition
oop_per_cap_upper	Out-of-Pocket Spending per Person, Upper UI (2019 USD)	Out-of-Pocket Spending per Person, Upper UI (constant 2019 United States dollars)
oop_per_cap_ppp_mean	Out-of-Pocket Spending per Person (2019 PPP)	Out-of-Pocket Spending per Person (constant 2019 purchasing power parity dollars)
oop_per_cap_ppp_lower	Out-of-Pocket Spending per Person, Lower UI (2019 PPP)	Out-of-Pocket Spending per Person, Lower UI (constant 2019 purchasing power parity dollars)
oop_per_cap_ppp_upper	Out-of-Pocket Spending per Person, Upper UI (2019 PPP)	Out-of-Pocket Spending per Person, Upper UI (constant 2019 purchasing power parity dollars)
dah_per_cap_mean	Development Assistance for Health Spending per Person (2019 USD)	Development Assistance for Health Spending per Person (constant 2019 United States dollars)
dah_per_cap_lower	Development Assistance for Health Spending per Person, Lower UI (2019 USD)	Development Assistance for Health Spending per Person, Lower UI (constant 2019 United States dollars)
dah_per_cap_upper	Development Assistance for Health Spending per Person, Upper UI (2019 USD)	Development Assistance for Health Spending per Person, Upper UI (constant 2019 United States dollars)
dah_per_cap_ppp_mean	Development Assistance for Health Spending per Person (2019 PPP)	Development Assistance for Health Spending per Person (constant 2019 purchasing power parity dollars)
dah_per_cap_ppp_lower	Development Assistance for Health Spending per Person, Lower UI (2019 PPP)	Development Assistance for Health Spending per Person, Lower UI (constant 2019 purchasing power parity dollars)
dah_per_cap_ppp_upper	Development Assistance for Health Spending per Person, Upper UI (2019 PPP)	Development Assistance for Health Spending per Person, Upper UI (constant 2019 purchasing power parity dollars)
ghes_per_the_mean	Government Spending per Total Health Spending	Government Spending per Total Health Spending (Percent - %)
ghes_per_the_lower	Government Spending per Total Health Spending, Lower UI	Government Spending per Total Health Spending, Lower UI (Percent - %)
ghes_per_the_upper	Government Spending per Total Health Spending, Upper UI	Government Spending per Total Health Spending, Upper UI (Percent - %)
ppp_per_the_mean	Prepaid Private Spending per Total Health Spending	Prepaid Private Spending per Total Health Spending (Percent - %)
ppp_per_the_lower	Prepaid Private Spending per Total Health Spending, Lower UI	Prepaid Private Spending per Total Health Spending, Lower UI (Percent - %)

Variable	Variable Label	Variable Definition
ppp_per_the_upper	Prepaid Private Spending per Total Health Spending, Upper UI	Prepaid Private Spending per Total Health Spending, Upper UI (Percent - %)
oop_per_the_mean	Out-of-Pocket Spending per Total Health Spending	Out-of-Pocket Spending per Total Health Spending (Percent - %)
oop_per_the_lower	Out-of-Pocket Spending per Total Health Spending, Lower UI	Out-of-Pocket Spending per Total Health Spending, Lower UI (Percent - %)
oop_per_the_upper	Out-of-Pocket Spending per Total Health Spending, Upper UI	Out-of-Pocket Spending per Total Health Spending, Upper UI (Percent - %)
dah_per_the_mean	Development Assistance for Health per Total Health Spending	Development Assistance for Health per Total Health Spending (Percent - %)
dah_per_the_lower	Development Assistance for Health per Total Health Spending, Lower UI	Development Assistance for Health per Total Health Spending, Lower UI (Percent - %)
dah_per_the_upper	Development Assistance for Health per Total Health Spending, Upper UI	Development Assistance for Health per Total Health Spending, Upper UI (Percent - %)
the_per_gdp_mean	Total Health Spending per Gross Domestic Product	Total Health Spending per Gross Domestic Product (Percent - %)
the_per_gdp_lower	Total Health Spending per Gross Domestic Product, Lower UI	Total Health Spending per Gross Domestic Product, Lower UI (Percent - %)
the_per_gdp_upper	Total Health Spending per Gross Domestic Product, Upper UI	Total Health Spending per Gross Domestic Product, Upper UI (Percent - %)
ghes_per_gdp_mean	Government Spending per Gross Domestic Product	Government Spending per Gross Domestic Product (Percent - %)
ghes_per_gdp_lower	Government Spending per Gross Domestic Product, Lower UI	Government Spending per Gross Domestic Product, Lower UI (Percent - %)
ghes_per_gdp_upper	Government Spending per Gross Domestic Product, Upper UI	Government Spending per Gross Domestic Product, Upper UI (Percent - %)
ppp_per_gdp_mean	Prepaid Private Spending per Gross Domestic Product	Prepaid Private Spending per Gross Domestic Product (Percent - %)
ppp_per_gdp_lower	Prepaid Private Spending per Gross Domestic Product, Lower UI	Prepaid Private Spending per Gross Domestic Product, Lower UI (Percent - %)
ppp_per_gdp_upper	Prepaid Private Spending per Gross Domestic Product, Upper UI	Prepaid Private Spending per Gross Domestic Product, Upper UI (Percent - %)
oop_per_gdp_mean	Out-of-Pocket Spending per Gross Domestic Product	Out-of-Pocket Spending per Gross Domestic Product (Percent - %)

Variable	Variable Label	Variable Definition
oop_per_gdp_lower	Out-of-Pocket Spending per Gross Domestic Product, Lower UI	Out-of-Pocket Spending per Gross Domestic Product, Lower UI (Percent - %)
oop_per_gdp_upper	Out-of-Pocket Spending per Gross Domestic Product, Upper UI	Out-of-Pocket Spending per Gross Domestic Product, Upper UI (Percent - %)
dah_per_gdp_mean	Development Assistance for Health per Gross Domestic Product	Development Assistance for Health per Gross Domestic Product (Percent - %)
dah_per_gdp_lower	Development Assistance for Health per Gross Domestic Product, Lower UI	Development Assistance for Health per Gross Domestic Product, Lower UI (Percent - %)
dah_per_gdp_upper	Development Assistance for Health per Gross Domestic Product, Upper UI	Development Assistance for Health per Gross Domestic Product, Upper UI (Percent - %)

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.