



# Institute for Health Metrics and Evaluation

## Data Release Information Sheet

### ***Data Summary***

Dataset name: Global Expected Health Spending 2016-2040

Date of release: April 18, 2018

Summary:

Research by the Global Burden of Disease Health Financing Collaborator Network produced projected health spending estimates for 2016-2040 for 188 countries. The estimates cover total health spending, and health spending disaggregated by source into government spending, out-of-pocket, prepaid private, and development assistance for health. GDP and all-sector government spending were extracted for 1980–2015 and used with [retrospective health spending estimates for 1995-2015](#) to forecast GDP, all-sector government spending, and health spending through 2040. Results of the study were published in *The Lancet* in April 2018 in "Trends in future health financing and coverage: future health spending and universal health coverage in 188 countries, 2016–2040."

Relevant publications and visualizations:

- Global Burden of Disease Health Financing Collaborator Network. Trends in future health financing and coverage: future health spending and universal health coverage in 188 countries, 2016–2040. *The Lancet*. 18 April 2018.
- Institute for Health Metrics and Evaluation (IHME). *Financing Global Health 2017: Funding Universal Health Coverage and the Unfinished HIV/AIDS Agenda*. Seattle, WA: IHME, 2018.
- [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 2016-2040. Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2018.

## ***File Inventory***

<b>File Name</b>	<b>Description</b>	<b>Version Date</b>
IHME_PROSPECTIVE_HEALTH_SPENDING_2016_2040_Y2018M04D18.CSV	Projected health spending estimates	April 18, 2018
IHME_PROSPECTIVE_HEALTH_SPENDING_2016_2040_CODEBOOK_Y2018M04D18.CSV	Codebook	April 18, 2018
IHME_PROSPECTIVE_HEALTH_SPENDING_2016_2040_INFO_SHEET_Y2018M04D18.PDF	Data Release Information Sheet	April 18, 2018

## ***Data Files Information***

<b>Variable</b>	<b>Variable Label</b>	<b>Variable Definition</b>
year	Year	Time period of 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
iso3	ISO 3-digit Code	ISO 3-digit Code
level	Location Category	Location Category
the_total_mean	Total Health Spending	Total Health Spending (thousands of 2017 purchasing power parity adjusted US dollars)
the_total_lower	Total Health Spending, Lower UI	Total Health Spending, Lower UI (thousands of 2017 purchasing power parity adjusted US dollars)
the_total_upper	Total Health Spending, Upper UI	Total Health Spending, Upper UI (thousands of 2017 purchasing power parity adjusted US dollars)

ghes_total_mean	Government Spending	Government Spending (thousands of 2017 purchasing power parity adjusted US dollars)
ghes_total_lower	Government Spending, Lower UI	Government Spending, Lower UI (thousands of 2017 purchasing power parity adjusted US dollars)
ghes_total_upper	Government Spending, Upper UI	Government Spending, Upper UI (thousands of 2017 purchasing power parity adjusted US dollars)
ppp_total_mean	Prepaid Private Spending	Prepaid Private Spending (thousands of 2017 purchasing power parity adjusted US dollars)
ppp_total_lower	Prepaid Private Spending, Lower UI	Prepaid Private Spending, Lower UI (thousands of 2017 purchasing power parity adjusted US dollars)
ppp_total_upper	Prepaid Private Spending, Upper UI	Prepaid Private Spending, Upper UI (thousands of 2017 purchasing power parity adjusted US dollars)
oop_total_mean	Out-of-Pocket Spending	Out-of-Pocket Spending (thousands of 2017 purchasing power parity adjusted US dollars)
oop_total_lower	Out-of-Pocket Spending, Lower UI	Out-of-Pocket Spending, Lower UI (thousands of 2017 purchasing power parity adjusted US dollars)
oop_total_upper	Out-of-Pocket Spending, Upper UI	Out-of-Pocket Spending, Upper UI (thousands of 2017 purchasing power parity adjusted US dollars)
dah_total_mean	Development Assistance for Health	Development Assistance for Health (thousands of 2017 purchasing power parity adjusted US dollars)
dah_total_lower	Development Assistance for Health, Lower UI	Development Assistance for Health, Lower UI (thousands of 2017 purchasing power parity adjusted US dollars)
dah_total_upper	Development Assistance for Health, Upper UI	Development Assistance for Health, Upper UI (thousands of 2017 purchasing power parity adjusted US dollars)
the_per_cap_mean	Total Health Spending per Capita	Total Health Spending per Capita (2017 purchasing power parity adjusted US dollars)
the_per_cap_lower	Total Health Spending per Capita, Lower UI	Total Health Spending per Capita, Lower UI (2017 purchasing power parity adjusted US dollars)
the_per_cap_upper	Total Health Spending per Capita, Upper UI	Total Health Spending per Capita, Upper UI (2017 purchasing power parity adjusted US dollars)

ghes_per_cap_mean	Government Spending per Capita	Government Spending per Capita (2017 purchasing power parity adjusted US dollars)
ghes_per_cap_lower	Government Spending per Capita, Lower UI	Government Spending per Capita, Lower UI (2017 purchasing power parity adjusted US dollars)
ghes_per_cap_upper	Government Spending per Capita, Upper UI	Government Spending per Capita, Upper UI (2017 purchasing power parity adjusted US dollars)
ppp_per_cap_mean	Prepaid Private Spending per Capita	Prepaid Private Spending per Capita (2017 purchasing power parity adjusted US dollars)
ppp_per_cap_lower	Prepaid Private Spending per Capita, Lower UI	Prepaid Private Spending per Capita, Lower UI (2017 purchasing power parity adjusted US dollars)
ppp_per_cap_upper	Prepaid Private Spending per Capita, Upper UI	Prepaid Private Spending per Capita, Upper UI (2017 purchasing power parity adjusted US dollars)
oop_per_cap_mean	Out-of-Pocket Spending per Capita	Out-of-Pocket Spending per Capita (2017 purchasing power parity adjusted US dollars)
oop_per_cap_lower	Out-of-Pocket Spending per Capita, Lower UI	Out-of-Pocket Spending per Capita, Lower UI (2017 purchasing power parity adjusted US dollars)
oop_per_cap_upper	Out-of-Pocket Spending per Capita, Upper UI	Out-of-Pocket Spending per Capita, Upper UI (2017 purchasing power parity adjusted US dollars)
dah_per_cap_mean	Development Assistance for Health Spending per Capita	Development Assistance for Health Spending per Capita (2017 purchasing power parity adjusted US dollars)
dah_per_cap_lower	Development Assistance for Health Spending per Capita, Lower UI	Development Assistance for Health Spending per Capita, Lower UI (2017 purchasing power parity adjusted US dollars)
dah_per_cap_upper	Development Assistance for Health Spending per Capita, Upper UI	Development Assistance for Health Spending per Capita, Upper UI (2017 purchasing power parity adjusted US 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 - %)
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 - %)
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 - %)

## Codebooks

Variable names, labels, and value encoding can be found in the machine-actionable codebook file [IHME\\_PROSPECTIVE\\_HEALTH\\_SPENDING\\_2016\\_2040\\_CODEBOOK\\_Y2018M04D18.CSV](#).

## 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.