



# Institute for Health Metrics and Evaluation

## Data Release Information Sheet

### **Data Summary**

Dataset name: Global Expected Health Spending 2020-2050

Date of release: January 24, 2023

Summary:

Research by the Global Burden of Disease Health Financing Collaborator Network produced projected health spending estimates for 2020-2050 for 204 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 1995-2019](#) 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 2021 US dollars, constant 2021 purchasing-power parity-adjusted (PPP) dollars, and as a percent of gross domestic product.

Relevant publications and visualizations:

- Global Burden of Disease 2021 Health Financing Collaborator Network. Global investments in pandemic preparedness and COVID-19: tracking development assistance and domestic spending on health, 1990–2026. *The Lancet*. 24 January 2023.
- [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 2020-2050. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2023.

## Data Files Information

### File Inventory

File Name	Description	Version Date
IHME_EXPECTED_HEALTH_SPENDING_2020_2050_Y2023M01D124.CSV	Projected health spending estimates [CSV]	January 24, 2023
IHME_EXPECTED_HEALTH_SPENDING_2020_2050_CODEBOOK_Y2023M01D24.CSV	Codebook	January 24, 2023
IHME_EXPECTED_HEALTH_SPENDING_2020_2050_INFO_SHEET_Y2023M01D24.PDF	Data Release Information Sheet	January 24, 2023

### Variable 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 (2021 USD)	Total Health Spending (thousands of constant 2021 United States dollars)
the_total_lower	Total Health Spending, Lower UI (2021 USD)	Total Health Spending, Lower UI (thousands of constant 2021 United States dollars)
the_total_upper	Total Health Spending, Upper UI (2021 USD)	Total Health Spending, Upper UI (thousands of constant 2021 United States dollars)
the_total_ppp_mean	Total Health Spending (2021 PPP)	Total Health Spending (thousands of constant 2021 purchasing parity power dollars)
the_total_ppp_lower	Total Health Spending, Lower UI (2021 PPP)	Total Health Spending, Lower UI (thousands of constant 2021 purchasing parity power dollars)
the_total_ppp_upper	Total Health Spending, Upper UI (2021 PPP)	Total Health Spending, Upper UI (thousands of constant 2021 purchasing parity power dollars)
ghes_total_mean	Government Health Spending (2021 USD)	Government Health Spending (thousands of constant 2021 United States dollars)

<b>Variable</b>	<b>Variable Label</b>	<b>Variable Definition</b>
ghes_total_lower	Government Health Spending, Lower UI (2021 USD)	Government Health Spending, Lower UI (thousands of constant 2021 United States dollars)
ghes_total_upper	Government Health Spending, Upper UI (2021 USD)	Government Health Spending, Upper UI (thousands of constant 2021 United States dollars)
ghes_total_ppp_mean	Government Health Spending (2021 PPP)	Government Health Spending (thousands of constant 2021 purchasing parity power dollars)
ghes_total_ppp_lower	Government Health Spending, Lower (2021 PPP)	Government Health Spending, Lower UI (thousands of constant 2021 purchasing parity power dollars)
ghes_total_ppp_upper	Government Health Spending, Upper UI (2021 PPP)	Government Health Spending, Upper UI (thousands of constant 2021 purchasing parity power dollars)
ppp_total_mean	Prepaid Private Health Spending (2021 USD)	Prepaid Private Health Spending (thousands of constant 2021 United States dollars)
ppp_total_lower	Prepaid Private Health Spending, Lower UI (2021 USD)	Prepaid Private Health Spending, Lower UI (thousands of constant 2021 United States dollars)
ppp_total_upper	Prepaid Private Health Spending, Upper UI (2021 USD)	Prepaid Private Health Spending, Upper UI (thousands of constant 2021 United States dollars)
ppp_total_ppp_mean	Prepaid Private Health Spending (2021 PPP)	Prepaid Private Health Spending (thousands of constant 2021 purchasing parity power dollars)
ppp_total_ppp_lower	Prepaid Private Health Spending, Lower UI (2021 PPP)	Prepaid Private Health Spending, Lower UI (thousands of constant 2021 purchasing parity power dollars)
ppp_total_ppp_upper	Prepaid Private Health Spending, Upper UI (2021 PPP)	Prepaid Private Health Spending, Upper UI (thousands of constant 2021 purchasing parity power dollars)
oop_total_mean	Out-of-pocket Health Spending (2021 USD)	Out-of-pocket Health Spending (thousands of constant 2021 United States dollars)
oop_total_lower	Out-of-pocket Health Spending, Lower UI (2021 USD)	Out-of-pocket Health Spending, Lower UI (thousands of constant 2021 United States dollars)
oop_total_upper	Out-of-pocket Health Spending, Upper UI (2021 USD)	Out-of-pocket Health Spending, Upper UI (thousands of constant 2021 United States dollars)
oop_total_ppp_mean	Out-of-pocket Health Spending (2021 PPP)	Out-of-pocket Health Spending (thousands of constant 2021 purchasing parity power dollars)

<b>Variable</b>	<b>Variable Label</b>	<b>Variable Definition</b>
oop_total_ppp_lower	Out-of-pocket Health Spending, Lower UI (2021 PPP)	Out-of-pocket Health Spending, Lower UI (thousands of constant 2021 purchasing parity power dollars)
oop_total_ppp_upper	Out-of-pocket Health Spending, Upper UI (2021 PPP)	Out-of-pocket Health Spending, Upper UI (thousands of constant 2021 purchasing parity power dollars)
dah_total_mean	DAH (2021 USD)	Development assistance for Health (thousands of constant 2021 United States dollars)
dah_total_lower	DAH, Lower UI (2021 USD)	Development assistance for Health, Lower UI (thousands of constant 2021 United States dollars)
dah_total_upper	DAH, Upper UI (2021 USD)	Development assistance for Health, Upper UI (thousands of constant 2021 United States dollars)
dah_total_ppp_mean	DAH (2021 PPP)	Development assistance for Health (thousands of constant 2021 purchasing parity power dollars)
dah_total_ppp_lower	DAH, Lower UI (2021 PPP)	Development assistance for Health, Lower UI (thousands of constant 2021 purchasing parity power dollars)
dah_total_ppp_upper	DAH, Upper UI (2021 PPP)	Development assistance for Health, Upper UI (thousands of constant 2021 purchasing parity power dollars)
the_per_cap_mean	Total Health Spending per person (2021 USD)	Total Health Spending per person (constant 2021 United States dollars)
the_per_cap_lower	Total Health Spending per person, Lower UI (2021 USD)	Total Health Spending per person, Lower UI (constant 2021 United States dollars)
the_per_cap_upper	Total Health Spending per person, Upper UI (2021 USD)	Total Health Spending per person, Upper UI (constant 2021 United States dollars)
the_per_cap_ppp_mean	Total Health Spending per person (2021 PPP)	Total Health Spending per person (constant 2021 purchasing parity power dollars)
the_per_cap_ppp_lower	Total Health Spending per person, Lower UI (2021 PPP)	Total Health Spending per person, Lower UI (constant 2021 purchasing parity power dollars)
the_per_cap_ppp_upper	Total Health Spending per person, Upper UI (2021 PPP)	Total Health Spending per person, Upper UI (constant 2021 purchasing parity power dollars)
ghes_per_cap_mean	Government Health Spending per person (2021 USD)	Government Health Spending per person (constant 2021 United States dollars)

<b>Variable</b>	<b>Variable Label</b>	<b>Variable Definition</b>
ghes_per_cap_lower	Government Health Spending per person, Lower UI (2021 USD)	Government Health Spending per person, Lower UI (constant 2021 United States dollars)
ghes_per_cap_upper	Government Health Spending per person, Upper UI (2021 USD)	Government Health Spending per person, Upper UI (constant 2021 United States dollars)
ghes_per_cap_ppp_mean	Government Health Spending per person (2021 PPP)	Government Health Spending per person (constant 2021 purchasing parity power dollars)
ghes_per_cap_ppp_lower	Government Health Spending per person, Lower UI (2021 PPP)	Government Health Spending per person, Lower UI (constant 2021 purchasing parity power dollars)
ghes_per_cap_ppp_upper	Government Health Spending per person, Upper UI (2021 PPP)	Government Health Spending per person, Upper UI (constant 2021 purchasing parity power dollars)
ppp_per_cap_mean	Prepaid Private Health Spending per person (2021 USD)	Prepaid Private Health Spending per person (constant 2021 United States dollars)
ppp_per_cap_lower	Prepaid Private Health Spending per person, Lower UI (2021 USD)	Prepaid Private Health Spending per person, Lower UI (constant 2021 United States dollars)
ppp_per_cap_upper	Prepaid Private Health Spending per person, Upper UI (2021 USD)	Prepaid Private Health Spending per person, Upper UI (constant 2021 United States dollars)
ppp_per_cap_ppp_mean	Prepaid Private Health Spending per person (2021 PPP)	Prepaid Private Health Spending per person (constant 2021 purchasing parity power dollars)
ppp_per_cap_ppp_lower	Prepaid Private Health Spending per person, Lower UI (2021 PPP)	Prepaid Private Health Spending per person, Lower UI (constant 2021 purchasing parity power dollars)
ppp_per_cap_ppp_upper	Prepaid Private Health Spending per person, Upper UI (2021 PPP)	Prepaid Private Health Spending per person, Upper UI (constant 2021 purchasing parity power dollars)
oop_per_cap_mean	Out-of-pocket Health Spending per person (2021 USD)	Out-of-pocket Health Spending per person (constant 2021 United States dollars)
oop_per_cap_lower	Out-of-pocket Health Spending per person, Lower UI (2021 USD)	Out-of-pocket Health Spending per person, Lower UI (constant 2021 United States dollars)
oop_per_cap_upper	Out-of-pocket Health Spending per person, Upper UI (2021 USD)	Out-of-pocket Health Spending per person, Upper UI (constant 2021 United States dollars)
oop_per_cap_ppp_mean	Out-of-pocket Health Spending per person (2021 PPP)	Out-of-pocket Health Spending per person (constant 2021 purchasing parity power dollars)

Variable	Variable Label	Variable Definition
oop_per_cap_ppp_lower	Out-of-pocket Health Spending per person, Lower UI (2021 PPP)	Out-of-pocket Health Spending per person, Lower UI (constant 2021 purchasing parity power dollars)
oop_per_cap_ppp_upper	Out-of-pocket Health Spending per person, Upper UI (2021 PPP)	Out-of-pocket Health Spending per person, Upper UI (constant 2021 purchasing parity power dollars)
dah_per_cap_mean	DAH per person (2021 USD)	Development assistance for Health per person (constant 2021 United States dollars)
dah_per_cap_lower	DAH per person, Lower UI (2021 USD)	Development assistance for Health per person, Lower UI (constant 2021 United States dollars)
dah_per_cap_upper	DAH per person, Upper UI (2021 USD)	Development assistance for Health per person, Upper UI (constant 2021 United States dollars)
dah_per_cap_ppp_mean	DAH per person (2021 PPP)	Development assistance for Health per person (constant 2021 purchasing parity power dollars)
dah_per_cap_ppp_lower	DAH per person, Lower UI (2021 PPP)	DAH per person, Lower UI (constant 2021 purchasing parity power dollars)
dah_per_cap_ppp_upper	DAH per person, Upper UI (2021 PPP)	Development assistance for Health per person, Upper UI (constant 2021 purchasing parity power dollars)
ghes_per_the_mean	Government Health Spending per Total Health Spending	Government Health Spending per Total Health Spending
ghes_per_the_lower	Government Health Spending per Total Health Spending, Lower UI	Government Health Spending per Total Health Spending, Lower UI
ghes_per_the_upper	Government Health Spending per Total Health Spending, Upper UI	Government Health Spending per Total Health Spending, Upper UI
ppp_per_the_mean	Prepaid Private Health Spending per Total Health Spending	Prepaid Private Health Spending per Total Health Spending
ppp_per_the_lower	Prepaid Private Health Spending per Total Health Spending, Lower UI	Prepaid Private Health Spending per Total Health Spending, Lower UI
ppp_per_the_upper	Prepaid Private Health Spending per Total Health Spending, Upper UI	Prepaid Private Health Spending per Total Health Spending, Upper UI
oop_per_the_mean	Out-of-pocket Health Spending per Total Health Spending	Out-of-pocket Health Spending per Total Health Spending
oop_per_the_lower	Out-of-pocket Health Spending per Total Health Spending, Lower UI	Out-of-pocket Health Spending per Total Health Spending, Lower UI
oop_per_the_upper	Out-of-pocket Health Spending per Total Health Spending, Upper UI	Out-of-pocket Health Spending per Total Health Spending, Upper UI
dah_per_the_mean	DAH per Total Health Spending	Development assistance for Health per Total Health Spending
dah_per_the_lower	DAH per Total Health Spending, Lower UI	Development assistance for Health per Total Health Spending, Lower UI

Variable	Variable Label	Variable Definition
dah_per_the_upper	DAH per Total Health Spending, Upper UI	Development assistance for Health per Total Health Spending, Upper UI
the_per_gdp_mean	Total Health Spending per GDP	Total Health Spending per Gross Domestic Product
the_per_gdp_lower	Total Health Spending per GDP, Lower UI	Total Health Spending per Gross Domestic Product, Lower UI
the_per_gdp_upper	Total Health Spending per GDP, Upper UI	Total Health Spending per Gross Domestic Product, Upper UI
ghes_per_gdp_mean	Government Health Spending per GDP	Government Health Spending per Gross Domestic Product
ghes_per_gdp_lower	Government Health Spending per GDP, Lower UI	Government Health Spending per Gross Domestic Product, Lower UI
ghes_per_gdp_upper	Government Health Spending per GDP, Upper UI	Government Health Spending per Gross Domestic Product, Upper UI
ppp_per_gdp_mean	Prepaid Private Health Spending per GDP	Prepaid Private Health Spending per Gross Domestic Product
ppp_per_gdp_lower	Prepaid Private Health Spending per GDP, Lower UI	Prepaid Private Health Spending per Gross Domestic Product, Lower UI
ppp_per_gdp_upper	Prepaid Private Health Spending per GDP, Upper UI	Prepaid Private Health Spending per Gross Domestic Product, Upper UI
oop_per_gdp_mean	Out-of-pocket Health Spending per GDP	Out-of-pocket Health Spending per Gross Domestic Product
oop_per_gdp_lower	Out-of-pocket Health Spending per GDP, Lower UI	Out-of-pocket Health Spending per Gross Domestic Product, Lower UI
oop_per_gdp_upper	Out-of-pocket Health Spending per GDP, Upper UI	Out-of-pocket Health Spending per Gross Domestic Product, Upper UI
dah_per_gdp_mean	DAH per GDP	Development assistance for Health per Gross Domestic Product
dah_per_gdp_lower	DAH per GDP, Lower UI	Development assistance for Health per Gross Domestic Product, Lower UI
dah_per_gdp_upper	DAH per GDP, Upper UI	Development assistance for Health per Gross Domestic Product, Upper UI

### ***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.