



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Tuberculosis Spending 2000-2017

Date of release: April 23, 2020 Date of update: May 5, 2020

Summary:

Research by the Global Burden of Disease Health Financing Collaborator Network estimated tuberculosis spending for 134 low- and middle-income countries for 2000-2017. The estimates cover tuberculosis spending disaggregated by source into three domestic financing source categories (government, out-of-pocket, and prepaid private) and development assistance for health (DAH). Government spending is also disaggregated according to case detection, by notified non-notified cases. Domestic tuberculosis spending by source and function was estimated based on data from sources including the WHO Global Tuberculosis database, the Global Fund, WHO National Health Accounts and sub-accounts, WHO Global Health Expenditure database (GHED), National Tuberculosis Reports, and Ministry of Health Reports. Development assistance for HIV/AIDS data were drawn from IHME's [2019 Development Assistance for Health Database](#). Estimates are reported in constant 2019 United States dollars.

Relevant publications and visualizations:

- Su Y, Baena IG, Harle AC, Crosby S, Micah A, Siroka A, et al. Tracking total spending on tuberculosis by source and function in 135 low- and middle-income countries, 2000–2017: a financial modelling study. *The Lancet*. 23 April 2020.
- Global Burden of Disease Health Financing Collaborator Network. Health spending for Sustainable Development Goal 3: total, HIV/AIDS, tuberculosis, Tuberculosis, 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:

- Institute for Health Metrics and Evaluation (IHME)
- World Health Organization (WHO)

Funders:

- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME), World Health Organization (WHO). Global Tuberculosis Spending 2000-2017. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2020.

Update Information

The `dah_total` variable was updated to include numbers listed in thousands of 2019 USD.

File Inventory

File Name	Description	Version Date
IHME_TB_SPENDING_2000_2017_Y2020M04D23.CSV	Tuberculosis spending estimates	May 5, 2020
IHME_TB_SPENDING_2000_2017_CODEBOOK_Y2020M04D23.CSV	Codebook	May 5, 2020
IHME_TB_SPENDING_2000_2017_INFO_SHEET_Y2020M04D23.PDF	Data Release Information Sheet	May 5, 2020

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 TB Spending (thousands of 2019 USD)	Total Tuberculosis Spending (thousands of constant 2019 United States dollars)
the_total_lower	Total TB Spending, Lower UI (thousands of 2019 USD)	Total Tuberculosis Spending, Lower UI (thousands of constant 2019 United States dollars)
the_total_upper	Total TB Spending, Lower UI (thousands of 2019 USD)	Total Tuberculosis Spending, Upper UI (thousands of constant 2019 United States dollars)

Variable	Variable Label	Variable Definition
ghes_notified_total_mean	Government TB Spending on Notified TB Cases (thousands of 2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases (thousands of constant 2019 United States dollars)
ghes_notified_total_lower	Government TB Spending on Notified TB Cases, Lower UI (thousands of 2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases, Lower UI (thousands of constant 2019 United States dollars)
ghes_notified_total_upper	Government TB Spending on Notified TB Cases, Upper UI (thousands of 2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases, Upper UI (thousands of constant 2019 United States dollars)
ghes_non_notified_total_mean	Government TB Spending on Non-Notified TB Cases (thousands of 2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases (thousands of constant 2019 United States dollars)
ghes_non_notified_total_lower	Government TB Spending on Non-Notified TB Cases, Lower UI (thousands of 2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases, Lower UI (thousands of constant 2019 United States dollars)
ghes_non_notified_total_upper	Government TB Spending on Non-Notified TB Cases, Upper UI (thousands of 2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases, Upper UI (thousands of constant 2019 United States dollars)
oop_total_mean	Out-of-Pocket TB Spending (thousands of 2019 USD)	Out-of-Pocket Tuberculosis Spending (thousands of constant 2019 United States dollars)
oop_total_lower	Out-of-Pocket TB Spending, Lower UI (thousands of 2019 USD)	Out-of-Pocket Tuberculosis Spending, Lower UI (thousands of constant 2019 United States dollars)
oop_total_upper	Out-of-Pocket TB Spending, Upper UI (thousands of 2019 USD)	Out-of-Pocket Tuberculosis Spending, Upper UI (thousands of constant 2019 United States dollars)
ppp_total_mean	Prepaid Private TB Spending (thousands of 2019 USD)	Prepaid Private Tuberculosis Spending (thousands of constant 2019 United States dollars)
ppp_total_lower	Prepaid Private TB Spending, Lower UI (thousands of 2019 USD)	Prepaid Private Tuberculosis Spending, Lower UI (thousands of constant 2019 United States dollars)
ppp_total_upper	Prepaid Private TB Spending, Upper UI (thousands of 2019 USD)	Prepaid Private Tuberculosis Spending, Upper UI (thousands of constant 2019 United States dollars)
dah_total	Development Assistance for Health for TB (thousands of 2019 USD)	Development Assistance for Health for Tuberculosis Spending (thousands of constant 2019 United States dollars)

Variable	Variable Label	Variable Definition
ghes_notified_per_the_mean	Fraction of Total TB Spending on Notified TB Cases from Government Sources	Fraction of Total Tuberculosis Spending on Notified Tuberculosis Cases from Government Sources
ghes_notified_per_the_lower	Fraction of Total TB Spending on Notified TB Cases from Government Sources, Lower UI	Fraction of Total Tuberculosis Spending on Notified TB Cases from Government Sources, Lower UI
ghes_notified_per_the_upper	Fraction of Total TB Spending on Notified TB Cases from Government Sources, Upper UI	Fraction of Total TB Spending on Notified Tuberculosis Cases from Government Sources, Upper UI
ghes_non_notified_per_the_mean	Fraction of Total TB Spending on Non-Notified TB Cases from Government Sources	Fraction of Total Tuberculosis Spending on Non-Notified Tuberculosis Cases from Government Sources
ghes_non_notified_per_the_lower	Fraction of Total TB Spending on Non-Notified TB Cases from Government Sources, Lower UI	Fraction of Total Tuberculosis Spending on Non-Notified Tuberculosis Cases from Government Sources, Lower UI
ghes_non_notified_per_the_upper	Fraction of Total TB Spending on Non-Notified TB Cases from Government Sources, Upper UI	Fraction of Total Tuberculosis Spending on Non-Notified Tuberculosis Cases from Government Sources, Upper UI
oop_per_the_mean	Fraction of Total TB Spending from Out-of-Pocket Sources	Fraction of Total Tuberculosis Spending from Out-of-Pocket Sources
oop_per_the_lower	Fraction of Total TB Spending from Out-of-Pocket Sources, Lower UI	Fraction of Total Tuberculosis Spending from Out-of-Pocket Sources, Lower UI
oop_per_the_upper	Fraction of Total TB Spending from Out-of-Pocket Sources, Upper UI	Fraction of Total Tuberculosis Spending from Out-of-Pocket Sources, Upper UI
ppp_per_the_mean	Fraction of Total TB Spending from Prepaid Private Sources	Fraction of Total Tuberculosis Spending from Prepaid Private Sources
ppp_per_the_lower	Fraction of Total TB Spending from Prepaid Private Sources, Lower UI	Fraction of Total Tuberculosis Spending from Prepaid Private Sources, Lower UI
ppp_per_the_upper	Fraction of Total TB Spending from Prepaid Private Sources, Upper UI	Fraction of Total Tuberculosis Spending from Prepaid Private Sources, Upper UI
dah_per_the	Fraction of Total TB Spending from Development Assistance for Health	Fraction of Total Tuberculosis Spending from Development Assistance for Health
the_per_case_mean	Total TB Spending per Incident Case (2019 USD)	Total Tuberculosis Spending per Incident Case (constant 2019 United States dollars)
the_per_case_lower	Total TB Spending per Incident Case, Lower UI (2019 USD)	Total Tuberculosis Spending per Incident Case, Lower UI (constant 2019 United States dollars)
the_per_case_upper	Total TB Spending per Incident Case, Upper UI (2019 USD)	Total Tuberculosis Spending per Incident Case, Upper UI (constant 2019 United States dollars)
ghes_notified_per_case_mean	Government TB Spending on Notified TB Cases per Incident Case (2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases per Incident Case (constant 2019 United States dollars)

Variable	Variable Label	Variable Definition
ghes_notified_per_case_lower	Government TB Spending on Notified TB Cases per Incident Case, Lower UI (2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases per Incident Case, Lower UI (constant 2019 United States dollars)
ghes_notified_per_case_upper	Government TB Spending on Notified TB Cases per Incident Case, Upper UI (2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases per Incident Case, Upper UI (constant 2019 United States dollars)
ghes_non_notified_per_case_mean	Government TB Spending on Non-Notified TB Cases per Incident Case (2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases per Incident Case (constant 2019 United States dollars)
ghes_non_notified_per_case_lower	Government TB Spending on Non-Notified TB Cases per Incident Case, Lower UI (2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases per Incident Case, Lower UI (constant 2019 United States dollars)
ghes_non_notified_per_case_upper	Government TB Spending on Non-Notified TB Cases per Incident Case, Upper UI (2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases per Incident Case, Upper UI (constant 2019 United States dollars)
oop_per_case_mean	Out-of-Pocket TB Spending per Incident Case (2019 USD)	Out-of-Pocket Tuberculosis Spending per Incident Case (constant 2019 United States dollars)
oop_per_case_lower	Out-of-Pocket TB Spending per Incident Case, Lower UI (2019 USD)	Out-of-Pocket Tuberculosis Spending per Incident Case, Lower UI (constant 2019 United States dollars)
oop_per_case_upper	Out-of-Pocket TB Spending per Incident Case, Upper UI (2019 USD)	Out-of-Pocket Tuberculosis Spending per Incident Case, Upper UI (constant 2019 United States dollars)
ppp_per_case_mean	Prepaid Private TB Spending per Incident Case (2019 USD)	Government Tuberculosis Spending per Total Tuberculosis Spending, Upper UI (Percent - %)
ppp_per_case_lower	Prepaid Private TB Spending per Incident Case, Lower UI (2019 USD)	Prepaid Private Tuberculosis Spending per Incident Case (constant 2019 United States dollars)
ppp_per_case_upper	Prepaid Private TB Spending per Incident Case, Upper UI (2019 USD)	Prepaid Private Tuberculosis Spending per Incident Case, Lower UI (constant 2019 United States dollars)
dah_per_case	Development Assistance for Health for TB Spending per Incident Case (2019 USD)	Prepaid Private Tuberculosis Spending per Incident Case, Upper UI (constant 2019 United States dollars)
the_per_cap_mean	Total TB Spending per Person (2019 USD)	Total Tuberculosis Spending per Person (constant 2019 United States dollars)

Variable	Variable Label	Variable Definition
the_per_cap_lower	Total TB Spending per Person, Lower UI (2019 USD)	Total Tuberculosis Spending per Person, Lower UI (constant 2019 United States dollars)
the_per_cap_upper	Total TB Spending per Person, Upper UI (2019 USD)	Total Tuberculosis Spending per Person, Upper UI (constant 2019 United States dollars)
ghes_notified_per_cap_mean	Government TB Spending on Notified TB Cases per Person (2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases per Person (constant 2019 United States dollars)
ghes_notified_per_cap_lower	Government TB Spending on Notified TB Cases per Person, Lower UI (2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases per Person, Lower UI (constant 2019 United States dollars)
ghes_notified_per_cap_upper	Government TB Spending on Notified TB Cases per Person, Upper UI (2019 USD)	Government Tuberculosis Spending on Notified Tuberculosis Cases per Person, Upper UI (constant 2019 United States dollars)
ghes_non_notified_per_cap_mean	Government TB Spending on Non-Notified TB Cases per Person (2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases per Person (constant 2019 United States dollars)
ghes_non_notified_per_cap_lower	Government TB Spending on Non-Notified TB Cases per Person, Lower UI (2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases per Person, Lower UI (constant 2019 United States dollars)
ghes_non_notified_per_cap_upper	Government TB Spending on Non-Notified TB Cases per Person, Upper UI (2019 USD)	Government Tuberculosis Spending on Non-Notified Tuberculosis Cases per Person, Upper UI (constant 2019 United States dollars)
oop_per_cap_mean	Out-of-Pocket TB Spending per Person (2019 USD)	Out-of-Pocket Tuberculosis Spending per Person (constant 2019 United States dollars)
oop_per_cap_lower	Out-of-Pocket TB Spending per Person, Lower UI (2019 USD)	Out-of-Pocket Tuberculosis Spending per Person, Lower UI (constant 2019 United States dollars)
oop_per_cap_upper	Out-of-Pocket TB Spending per Person, Upper UI (2019 USD)	Out-of-Pocket Tuberculosis Spending per Person, Upper UI (constant 2019 United States dollars)
ppp_per_cap_mean	Prepaid Private TB Spending per Person (2019 USD)	Prepaid Private Tuberculosis Spending per Person (constant 2019 United States dollars)
ppp_per_cap_lower	Prepaid Private TB Spending per Person, Lower UI (2019 USD)	Prepaid Private Tuberculosis Spending per Person, Lower UI (constant 2019 United States dollars)

Variable	Variable Label	Variable Definition
ppp_per_cap_upper	Prepaid Private TB Spending per Person, Upper UI (2019 USD)	Prepaid Private Tuberculosis Spending per Person, Upper UI (constant 2019 United States dollars)
dah_per_cap	Development Assistance for Health for TB Spending per Person (2019 USD)	Development Assistance for Health for Tuberculosis Spending per Person (constant 2019 United States dollars)

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:

Institute for Health Metrics and Evaluation

2301 Fifth Ave., Suite 600

Seattle, WA 98121

USA

Telephone: +1-206-897-2800

Fax: +1-206-897-2899

Email: data@healthdata.org

www.healthdata.org

These files may be updated periodically, so we appreciate hearing feedback or additional information about how these data are being used.