



# **Health Inequality Data Repository**

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## INDICATOR METADATA

Institute for Health Metrics and Evaluation (IHME)  
subnational geospatial estimates

**July 2023**

## Institute for Health Metrics and Evaluation (IHME) subnational geospatial estimates

### About

This dataset is from the [WHO Health Inequality Data Repository](#).

This dataset contains geospatially modelled estimates produced by the Institute for Health Metrics and Evaluation (IHME) disaggregated by subnational region.

### Data source

The data are sourced from the [Local and Small Area Estimation](#) of IHME.

### Methodology

Geospatial estimates are produced by IHME as per the methodologies outlined on the IHME [Local and Small Area Estimation](#) website.

### Dataset metadata

<b>Date of first publication</b>	April 2023
<b>Date of updated publication</b>	n/a
<b>Expected frequency of update</b>	n/a
<b>Date of data extraction</b>	August 2022
<b>Temporal coverage</b>	2000-2019
<b>Spatial coverage</b>	Global
<b>Spatial granularity</b>	National
<b>Number of countries, territories or area</b>	Anaemia dataset: 89 Breastfeeding dataset: 102 Malaria dataset: 104 Diarrhoea dataset: 109 HIV dataset: 44
<b>Number of indicators</b>	Anaemia dataset: 2 Breastfeeding dataset: 1 Malaria dataset: 5 Diarrhoea dataset: 3 HIV dataset: 2
<b>Number of dimensions of inequality</b>	1

### Inequality dimensions

**Subnational regions** are defined according to context-specific criteria.

## Disclaimer

The estimates presented may differ from, and should not be regarded as, the official national statistics of individual WHO Member States or official WHO estimates.

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Indicator metadata

Indicator name	Disaggregation	Definition / Further information	Notes
Anaemia prevalence (all types) in women of reproductive age (15-49 years) (%)	Subnational region	Annual estimates for anemia prevalence in women of reproductive age (15-49 years) at the 5x5 km-level for 82 low- and middle-income countries (LMICs) between 2000 and 2019. These estimates were produced using a geo-positioned dataset created from 218 household surveys. Countries and subnational units outside of these 82 LMICs were supplemented with Global Burden of Disease (GBD) results.	<a href="https://ghdx.healthdata.org/record/ihme-data/global-anemia-prevalence-geospatial-estimates-2000-2019">https://ghdx.healthdata.org/record/ihme-data/global-anemia-prevalence-geospatial-estimates-2000-2019</a>
Anaemia prevalence (severe) in women of reproductive age (15-49 years) (%)			
Exclusive breastfeeding prevalence among infants under 6 months of age (%)	Subnational region	Annual estimates for exclusive breastfeeding prevalence among infants under 6 months of age at the 5x5 km-level for 94 low- and middle-income countries (LMICs) between 2000 and 2019. These estimates were produced using a geo-positioned dataset created from 394 household surveys. Countries and subnational units outside of these 94 LMICs were supplemented with Global Burden of Disease (GBD) results.	<a href="https://ghdx.healthdata.org/record/ihme-data/global-exclusive-breastfeeding-prevalence-geospatial-estimates-2000-2019">https://ghdx.healthdata.org/record/ihme-data/global-exclusive-breastfeeding-prevalence-geospatial-estimates-2000-2019</a>
Malaria incidence (Plasmodium falciparum) (%)	Subnational region	Annual estimates for the prevalence and incidence of malaria and malaria mortality across all ages for all countries between 2000 and 2019. These estimates were produced using geo-positioned data from household surveys and routine surveillance data. Survey sources include the Demographic and Health Survey (DHS), Malaria Indicator Survey (MIS) and other country-specific surveys. Estimates were produced by the IHME and the Malaria Atlas Project.  Malaria incidence and mortality rates are calculated for all ages, 0-4 years, 5-14 years and 15+ years.	<a href="https://ghdx.healthdata.org/record/ihme-data/global-malaria-incidence-prevalence-mortality-geospatial-estimates-2000-2019">https://ghdx.healthdata.org/record/ihme-data/global-malaria-incidence-prevalence-mortality-geospatial-estimates-2000-2019</a>
Malaria incidence (Plasmodium vivax) (%)			
Malaria prevalence (Plasmodium falciparum) in children (2-10 years) (%)			
Malaria prevalence (Plasmodium vivax) in children (2-10 years) (%)			
Malaria mortality (per 100 000 population)			
Diarrhoea incidence in children aged < 5 years (episodes per 1000 person-years)	Subnational region	Annual estimates for the prevalence and incidence of diarrhoea and diarrhoea-related mortality among children younger than five years of age at the 5x5 km-level for 94 low- and middle-income countries (LMICs) between 2000 and 2019. These estimates were produced using geo-positioned data from 466 household surveys. Countries and subnational units outside of these 94 LMICs were supplemented with Global Burden of Disease (GBD) results.	<a href="https://ghdx.healthdata.org/record/ihme-data/global-under-5-diarrhea-incidence-prevalence-mortality-geospatial-estimates-2000-2019">https://ghdx.healthdata.org/record/ihme-data/global-under-5-diarrhea-incidence-prevalence-mortality-geospatial-estimates-2000-2019</a>
Diarrhoea mortality in children aged < 5 years (per 1000 population)			
Diarrhoea prevalence in children aged < 5 years (per 1000 population)			

Institute for Health Metrics and Evaluation (IHME) subnational geospatial estimates

<b>Indicator name</b>	<b>Disaggregation</b>	<b>Definition / Further information</b>	<b>Notes</b>
HIV incidence rate (15-49 years) (per 100 000 population)	Subnational region	Annual estimates for HIV incidence and mortality among adults ages 15-49 at the 5x5 km-level for 44 countries in sub-Saharan Africa between 2000 and 2018. These estimates were produced using a geo-positioned dataset created from 717 sources representing antiretroviral treatment data in UNAIDS Spectrum country files, country-level reports from the Health Management Systems database, and PEPFAR data; HIV seroprevalence surveys; ANC Sentinel Surveillance data; covariate surveys; and country specific surveys.	<a href="https://ghdx.healthdata.org/record/ihme-data/sub-saharan-africa-hiv-incidence-mortality-geospatial-estimates-2000-2018">https://ghdx.healthdata.org/record/ihme-data/sub-saharan-africa-hiv-incidence-mortality-geospatial-estimates-2000-2018</a>