IHME

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The Institute for Health Metrics and Evaluation (IHME) provides data on the Global Burdens of Disease that can be accessed here http://ghdx.healthdata.org/gbd-results-tool. IHME provides data on multiple metrics that we pull into IFs, including deaths, DALYs, incidence, prevalence, violence and forecasts for each. The latest IFs data update for this series was in March 2025, covering 188 economies over the years 198/90-2021. There have been major changes in this update which will be noted below.

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Instructions on Pulling IHME data

Preprocessors on Prevalence and Incidence

Update in March 2025

The data can be accessed from the GBD tool at http://ghdx.healthdata.org/gbd-results-tool. You can download the data based on the table below for each series. Python scripts used from last data pull can be accessed and adjusted for future data pulls. An updated country concordance table can be found here.

Variable	GBD Estimate	Measure	Metric	Cause	Location	Age	Sex	Year	Decimal Places
ViolencePoliticalConflictTerror	Cause of death or injury	Deaths	Rate	Conflict and terrorism	Select all countries and territories	All Ages	Both	Select all	4
ViolencePoliticalPoliceExecution	Cause of death or injury	Deaths	Rate	Executions and police conflict	Select all countries and territories	All Ages	Both	Select all	4
ViolenceSelfHarm	Cause of death or injury	Deaths	Rate	Self-harm	Select all countries and territories	All Ages	Both	Select all	4
SocietalViolenceDeathsTotal	Cause of death or injury	Deaths	Rate	Interpersonal violence + Conflict and terrorism + Executions and police conflict	Select all countries and territories	All Ages	Both	Select all	4
ViolenceInterpersonChild	Cause of death or injury	Deaths	Rate	Interpersonal violence against all children death rate	Select all countries and territories	0-14	Both	Select all	4
ViolenceInterpersonWomenAdult	Cause of death or injury	Deaths	Rate	Interpersonal violence	Select all countries and territories	>= 15	Female	Select all	4
DrOpiodPrevIHME	Cause of death or injury	Prevalence	Percent	Opioid Use Disorders	Select all countries and territories	All Ages	Both	Select all	4
DrugPrevalenceAmphetaminesIHME	Cause of death or injury	Prevalence	Percent	Amphetamine Use Disorders	Select all countries and territories	All Ages	Both	Select all	5
DrugPrevalenceCocaineIHME	Cause of death or injury	Prevalence	Percent	Cocaine Use Disorders	Select all countries and territories	All Ages	Both	Select all	5
IHMEDthsHIV	Cause of death or injury	Deaths	Number	HIV/AIDs	Select all countries and territories	All Ages	Both	Select all	5
IHMEDthsMalar	Cause of death or injury	Deaths	Number	Malaria	Select all countries and territories	All Ages	Both	Select all	5
IHMEInciHIVNumber	Cause of death or injury	Incidence	Number	HIV/AIDs	Select all countries and territories	All Ages	Both	Select all	
IHMEInciMalariaNumber	Cause of death or injury	Incidence	Number	Malaria	Select all countries and territories	All Ages	Both	Select all	
IHMEPrevHIV	Cause of death or injury	Prevalence	Percent	HIV/AIDs	Select all countries and territories	All Ages	Both	Select all	3
IHMEPrevHIVNumber	Cause of death or injury	Prevalence	Number	HIV/AIDs	Select all countries and territories	All Ages	Both	Select all	
IHMEPrevMalariaNumber	Cause of death or injury	Prevalence	Number	Malaria	Select all countries and territories	All Ages	Both	Select all	
ViolenceInterpersonOther	Cause of death or injury	Deaths	Rate	Death rate from Interpersonal violence for males aged over 15	Select all countries and territories	>= 15	Both	Select all	
ViolenceInterpersonWomenChild	Cause of death or injury	Deaths	Rate	Deaths from interpersonal violence (Violence against women and children)	Select all countries and territories	Sum of Child and WomenAdult	Both	Select all	

Note:

- ViolenceInterpersonChild & ViolenceInterpersonWomenAdult have changed a lot, we identify the Age by comparing the trend of old data in IFsHistSeries and the new data from GBD.
  - In March 2025, the ages have shifted from >20 for adults to >15. To get this data, do a summation of 15-19 and 20+

- Be aware of the definition of each preprocessor and its unit so that you can find the exact match in the IHME GBD variables.
- Some regions in IFs are not provided by IHME yet, we are encouraged to use proxies. For example, use Singapore, Albania, and Mali for Hong Kong, Kosovo, and Sahrawi respectively. Be mindful that for tables with units in rate or percent, proximal values can be directly applied; however, when values are in numbers or headcounts, you will need to borrow the population figures to apply values proportionally. To do this use SeriesPopulation. For instance, Kosovo's number of deaths = Albania's number of deaths * Kosovo's Population / Albania's Population.

Tables Used in Hist+Forecast Display

Update in March 2025

The data can be accessed from the GBD tool at http://ghdx.healthdata.org/gbd-results-tool. You can download the data based on the table below for each series. Note that a detailed death cause mapping table can be found here.

There are 45 tables in total related to detailed death tables in IFs. For each of 15 death causes in IFs, we have a total death table and two tables by sex group. These 45 tables can be searched by using the following naming conventions IHMEDths___, IHMEDths___Females, and IHMEDths___Males, where ___ denotes the cause of death in IFs. These 15 causes are, Cardio, Diabet, Diarrh, Digest, HIV, Intlj, Malar, MalNeopl, MentHlth, OthCD, OthNCD, OthUnintlj, Respinfec, Respiratory, Roadacc. Below is the causes used for each table:

Table	Name in Source
IHMEDthsCardio	Cardiovascular diseases
IHMEDthsCardioFemales	Cardiovascular diseases
IHMEDthsCardioMales	Cardiovascular diseases
IHMEDthsDiabet	Diabetes mellitus
IHMEDthsDiabetFemales	Diabetes mellitus
IHMEDthsDiabetMales	Diabetes mellitus
IHMEDthsDiarrh	Diarrheal diseases
IHMEDthsDiarrhFemales	Diarrheal diseases
IHMEDthsDiarrhMales	Diarrheal diseases
IHMEDthsDigest	Digestive diseases
IHMEDthsDigestFemales	Digestive diseases
IHMEDthsDigestMales	Digestive diseases
IHMEDthsHIV	HIV/AIDS
IHMEDthsHIVFemales	HIV/AIDS
IHMEDthsHIVMales	HIV/AIDS
IHMEDthsIntlj	Self-harm and interpersonal violence
IHMEDthsIntljFemales	Self-harm and interpersonal violence
IHMEDthsIntljMales	Self-harm and interpersonal violence
IHMEDthsMalar	Malaria
IHMEDthsMalarFemales	Malaria
IHMEDthsMalarMales	Malaria
IHMEDthsMalNeopl	Neoplasms
IHMEDthsMalNeoplFemales	Neoplasms
IHMEDthsMalNeoplMales	Neoplasms
IHMEDthsMentHlth	Neurological disorders + Mental disorders + Substance use disorders
IHMEDthsMentHlthFemales	Neurological disorders + Mental disorders + Substance use disorders
IHMEDthsMentHlthMales	Neurological disorders + Mental disorders + Substance use disorders
IHMEDthsOthCD	Communicable, maternal, neonatal, and nutritional diseases, excluding individual causes in IFs
IHMEDthsOthCDFemales	Communicable, maternal, neonatal, and nutritional diseases, excluding individual causes in IFs
IHMEDthsOthCDMales	Communicable, maternal, neonatal, and nutritional diseases, excluding individual causes in IFs
IHMEDthsOthNCD	Non-communicable diseases, excluding individual causes in IFs
IHMEDthsOthNCDFemales	Non-communicable diseases, excluding individual causes in IFs
IHMEDthsOthNCDMales	Non-communicable diseases, excluding individual causes in IFs
IHMEDthsOthUnintlj	Unintentional injuries
IHMEDthsOthUnintljFemales	Unintentional injuries
IHMEDthsOthUnintljMales	Unintentional injuries
IHMEDthsRespinfec	Lower respiratory infections + Upper respiratory infections + Otitis media + COVID-19 + Other COVID-19 pandemic-related outcomes
IHMEDthsRespinfecFemales	Lower respiratory infections + Upper respiratory infections + Otitis media + COVID-19 + Other COVID-19 pandemic-related outcomes
IHMEDthsRespinfecMales	Lower respiratory infections + Upper respiratory infections + Otitis media + COVID-19 + Other COVID-19 pandemic-related outcomes
IHMEDthsRespiratory	Chronic respiratory diseases
IHMEDthsRespiratoryFemales	Chronic respiratory diseases
IHMEDthsRespiratoryMales	Chronic respiratory diseases
IHMEDthsRoadacc	Transport injuries
IHMEDthsRoadaccFemales	Transport injuries
IHMEDthsRoadaccMales	Transport injuries

Demographic Related IHME Preprocessors

Life Expectancy

Life expectancy data can be pulled from http://ghdx.healthdata.org/gbd-results-tool. The filters should be:

GBD Estimate All-cause mortality

Measure LE

Metric Years

Location All territories and countries

Age 0-6 days

Sex Both, Male, Female

Year All

Variable	Age	Sex	Year	Metric Name	Decimal Places
LifeExpectIHMEBothSexesHistOnly	0-6 days	Both	1950-2021	Years	3
LifeExpectIHMEMaleHistOnly	0-6 days	Male	1950-2021	Years	3
LifeExpectIHMEFemaleHistOnly	0-6 days	Female	1950-2021	Years	3

Infant Mortality

Life expectancy data can be pulled from http://ghdx.healthdata.org/gbd-results-tool. The filters should be:

GBD Estimate All-cause mortality

Measure Life Tables

Metric Years

Location All territories and countries

Age Stated below

Sex Both

Year All

Variable	Age	Sex	Year	Decimal Places
InfMortRateIHME	< 1 year	Both	1950-2021	4
Under5MortRateIHME	Calculation of < 1 year, 12-23 months, and 2-4 year	Both	1950-2021	4

CALCULATIONS:

In order to get the right value for Under5MortRateIHME, we have to calculate it. It should

be:

PoD under 5 = PoD under 1 + PoD 12-23 months * Probability of not dying under 1+ PoD 2-4 years * Probability of not dying under 2.

An example is posted below for Iraq:

<1 year	All causes Probability of death 2019	0.019244
12-23 months	All causes Probability of death 2019	0.001482
2-4 years	All causes Probability of death 2019	0.002298

The PoD for under 2 would be = 0.019244 + 0.001482 * (1 - 0.019244) = 0.020698;

The PoD for under 5 would be = 0.020698 + 0.002298 * (1 - 0.020698) = 0.022948.

The final data point is **0.022948**.

Tables in IFs.db

HealthDetailedDeathsCtry

Detailed instruction on pulling number of deaths for IFs death categories can be found here.