Health Inequality Data Repository

INDICATOR METADATA

WHO Global Health Estimates (GHE)

June 2024

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About

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

This dataset contains estimates on deaths and disability rates by cause from the World Health Organization's (WHO) [Global Health Estimates (GHE)](#), disaggregated by age and sex. Four GHE indicators are calculated:
- Mortality rates by cause (deaths per 100 000 population)
- Disability-adjusted life years (DALYs per 100 000 population)
- Years of healthy life lost due to disability (YLDs per 100 000 population)
- Years of life lost from mortality (YLLs per 100 000 population)

The latest GHE updates include global, regional and country trends from 2000 to 2019 inclusive for 183 WHO Member States (with populations greater than 90 000 in 2019). By providing key insights on mortality and morbidity trends, these estimates are a powerful tool to support informed decision-making on health policy and resource allocation.

Data source

The data are sourced from the [WHO Global Health Estimates database](#).

Methodology

The methodologies for calculating the Global Health Estimates, including the data sources used, are available here:

[WHO methods and data sources for life tables, 1990-2019](#)

[WHO methods and data sources for global causes of death, 2000-2019](#)

[WHO methods and data sources for global burden of disease estimates, 2000-2019](#)

Dataset metadata

Date of first publication	April 2023
Date of updated publication	June 2024
Expected frequency of update	Annual
Date of data extraction	21 June 2024
Temporal coverage	2001–2021
Spatial coverage	Global
Spatial granularity	National
Number of countries, territories or areas	197
Number of indicators	Disaggregation by age: 27 Disaggregation by sex: 154

Number of dimensions of inequality	2

Inequality dimensions

Global Health Estimates are disaggregated by **age** (19 subgroups from under 1 year to 85+ years) and **sex** (male and female).

Disclaimer

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

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Causes of death

Causes of deaths are grouped into three broad 'level 1' groups according to the International Classification of Diseases, Tenth Revision (ICD10):
- Group 1: Communicable, maternal, perinatal and nutritional conditions
- Group 2: Non-communicable diseases
- Group 3: Injuries

Within each of these 'level 1' groups, there are causes of death grouped at 'level 2' and 'level 3'. The cause list has a hierarchical structure so that different levels of aggregation are included.

GHE code	Cause of death category	Level
0	0.0.0 All Causes	0
10	1.0.0 Communicable, maternal, perinatal and nutritional conditions	1
20	1.A.0 Infectious and parasitic diseases	2
30	1.A.01 Tuberculosis	3
40	1.A.02 STDs excluding HIV	3
100	1.A.03 HIV/AIDS	3
110	1.A.04 Diarrhoeal diseases	3
120	1.A.05 Childhood-cluster diseases	3
170	1.A.06 Meningitis	3
180	1.A.07 Encephalitis	3
185	1.A.08 Hepatitis	3
210	1.A.09 Parasitic and vector diseases	3
330	1.A.10 Intestinal nematode infections	3
365	1.A.11 Leprosy	3
370	1.A.12 Other infectious diseases	3
380	1.B.0 Respiratory infections	2
390	1.B.01 Lower respiratory infections	3
400	1.B.02 Upper respiratory infections	3
410	1.B.03 Otitis media	3
420	1.C.0 Maternal conditions	2
490	1.D.0 Neonatal conditions	2

GHE code	Cause of death category	Level
500	1.D.01 Preterm birth complications	3
510	1.D.02 Birth asphyxia and birth trauma	3
520	1.D.03 Neonatal sepsis and infections	3
530	1.D.04 Other neonatal conditions	3
540	1.E.0 Nutritional deficiencies	2
550	1.E.01 Protein-energy malnutrition	3
560	1.E.02 Iodine deficiency	3
570	1.E.03 Vitamin A deficiency	3
580	1.E.04 Iron-deficiency anaemia	3
590	1.E.05 Other nutritional deficiencies	3
600	2.0.0 Noncommunicable diseases	1
610	2.A.0 Malignant neoplasms	2
620	2.A.01 Mouth and oropharynx cancers	3
630	2.A.02 Oesophagus cancer	3
640	2.A.03 Stomach cancer	3
650	2.A.04 Colon and rectum cancers	3
660	2.A.05 Liver cancer	3
670	2.A.06 Pancreas cancer	3
680	2.A.07 Trachea, bronchus, lung cancers	3
690	2.A.08 Melanoma and other skin cancers	3
700	2.A.09 Breast cancer	3
710	2.A.10 Cervix uteri cancer	3
720	2.A.11 Corpus uteri cancer	3
730	2.A.12 Ovary cancer	3
740	2.A.13 Prostate cancer	3
742	2.A.14 Testicular cancer	3
745	2.A.15 Kidney cancer	3
750	2.A.16 Bladder cancer	3
751	2.A.17 Brain and nervous system cancers	3
752	2.A.18 Gallbladder and biliary tract cancer	3
753	2.A.19 Larynx cancer	3
754	2.A.20 Thyroid cancer	3
755	2.A.21 Mesothelioma	3
760	2.A.22 Lymphomas, multiple myeloma	3
770	2.A.23 Leukaemia	3
780	2.A.24 Other malignant neoplasms	3
790	2.B.0 Other neoplasms	2
800	2.C.0 Diabetes mellitus	2
810	2.D.0 Endocrine, blood, immune disorders	2
811	2.D.01 Thalassaemias	3
812	2.D.02 Sickle cell disorders and trait	3
813	2.D.03 Other haemoglobinopathies and haemolytic anaemias	3
814	2.D.04 Other endocrine, blood and immune disorders	3
820	2.E.0 Mental and substance use disorders	2
830	2.E.01 Depressive disorders	3
840	2.E.02 Bipolar disorder	3
850	2.E.03 Schizophrenia	3
860	2.E.04 Alcohol use disorders	3
870	2.E.05 Drug use disorders	3
880	2.E.06 Anxiety disorders	3
890	2.E.07 Eating disorders	3
900	2.E.08 Autism and Asperger syndrome	3
910	2.E.09 Childhood behavioural disorders	3
920	2.E.10 Idiopathic intellectual disability	3
930	2.E.11 Other mental and behavioural disorders	3

GHE code	Cause of death category	Level
940	2.F.0 Neurological conditions	2
950	2.F.01 Alzheimer disease and other dementias	3
960	2.F.02 Parkinson disease	3
970	2.F.03 Epilepsy	3
980	2.F.04 Multiple sclerosis	3
990	2.F.05 Migraine	3
1000	2.F.06 Non-migraine headache	3
1010	2.F.07 Other neurological conditions	3
1020	2.G.0 Sense organ diseases	2
1030	2.G.01 Glaucoma	3
1040	2.G.02 Cataracts	3
1050	2.G.03 Uncorrected refractive errors	3
1060	2.G.04 Macular degeneration	3
1070	2.G.05 Other vision loss	3
1080	2.G.06 Other hearing loss	3
1090	2.G.07 Other sense organ disorders	3
1100	2.H.0 Cardiovascular diseases	2
1110	2.H.01 Rheumatic heart disease	3
1120	2.H.02 Hypertensive heart disease	3
1130	2.H.03 Ischaemic heart disease	3
1140	2.H.04 Stroke	3
1150	2.H.05 Cardiomyopathy, myocarditis, endocarditis	3
1160	2.H.06 Other circulatory diseases	3
1170	2.I.0 Respiratory diseases	2
1180	2.I.01 Chronic obstructive pulmonary disease	3
1190	2.I.02 Asthma	3
1200	2.I.03 Other respiratory diseases	3
1210	2.J.0 Digestive diseases	2
1220	2.J.01 Peptic ulcer disease	3
1230	2.J.02 Cirrhosis of the liver	3
1240	2.J.03 Appendicitis	3
1241	2.J.04 Gastritis and duodenitis	3
1242	2.J.05 Paralytic ileus and intestinal obstruction	3
1244	2.J.06 Inflammatory bowel disease	3
1246	2.J.07 Gallbladder and biliary diseases	3
1248	2.J.08 Pancreatitis	3
1250	2.J.09 Other digestive diseases	3
1260	2.K.0 Genitourinary diseases	2
1270	2.K.01 Kidney diseases	3
1280	2.K.02 Benign prostatic hyperplasia	3
1290	2.K.03 Urolithiasis	3
1300	2.K.04 Other urinary diseases	3
1310	2.K.05 Infertility	3
1320	2.K.06 Gynecological diseases	3
1330	2.L.0 Skin diseases	2
1331	2.L.01 Dermatitis	3
1332	2.L.02 Psoriasis	3
1333	2.L.03 Fungal skin diseases	3
1334	2.L.04 Viral skin diseases	3
1335	2.L.05 Acne vulgaris	3
1336	2.L.06 Alopecia areata	3
1337	2.L.07 Other specified skin diseases	3
1339	2.L.08 Other skin and subcutaneous diseases	3
1340	2.M.0 Musculoskeletal diseases	2
1350	2.M.01 Rheumatoid arthritis	3

GHE code	Cause of death category	Level
1360	2.M.02 Osteoarthritis	3
1370	2.M.03 Gout	3
1380	2.M.04 Back and neck pain	3
1390	2.M.05 Other musculoskeletal disorders	3
1400	2.N.0 Congenital anomalies	2
1410	2.N.01 Neural tube defects	3
1420	2.N.02 Cleft lip and cleft palate	3
1430	2.N.03 Down syndrome	3
1440	2.N.04 Congenital heart anomalies	3
1450	2.N.05 Other chromosomal anomalies	3
1460	2.N.06 Other congenital anomalies	3
1470	2.O.0 Oral conditions	2
1480	2.O.01 Dental caries	3
1490	2.O.02 Periodontal disease	3
1500	2.O.03 Edentulism	3
1502	2.O.04 Other oral disorders	3
1505	2.P.0 Sudden infant death syndrome	2
1510	3.0.0 Injuries	1
1520	3.A.0 Unintentional injuries	2
1530	3.A.01 Road injury	3
1540	3.A.02 Poisonings	3
1550	3.A.03 Falls	3
1560	3.A.04 Fire, heat and hot substances	3
1570	3.A.05 Drowning	3
1575	3.A.06 Exposure to mechanical forces	3
1580	3.A.07 Natural disasters	3
1590	3.A.08 Other unintentional injuries	3
1600	3.B.0 Intentional injuries	2
1610	3.B.01 Self-harm	3
1620	3.B.02 Interpersonal violence	3
1630	3.B.03 Collective violence and legal intervention	3

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Indicator metadata

Indicator name	Disaggregation	Definition / Further information	Notes
Mortality rate (deaths per 100 000 population)	Age Sex	Number of deaths by cause per 100 000 population.	WHO methods and data sources for global causes of death, 2000-2019
Disability-adjusted life years (DALYs per 100 000 population)	Age Sex	One DALY represents the loss of the equivalent of one year of full health. DALYs for a disease or health condition are the sum of the years of life lost to due to premature mortality (YLLs) and the years lived with a disability (YLDs) due to prevalent cases of the disease or health condition in a population.	WHO methods and data sources for global burden of disease estimates, 2000-2019
Years of healthy life lost due to disability (YLDs per 100 000 population)	Age Sex	One YLD represents the equivalent of one full year of healthy life lost due to disability or ill-health.	WHO methods and data sources for global burden of disease estimates, 2000-2019
Years of life lost from mortality (YLLs per 100 000 population)	Age Sex	Years of life lost (YLLs) is a measure of premature mortality that takes into account both the frequency of deaths and the age at which it occurs. One YLL represents the loss of one year of life. YLLs are calculated from the number of deaths multiplied by a global standard life expectancy at the age at which death occurs.	WHO methods and data sources for global burden of disease estimates, 2000-2019