

Annex Table A GHE cause categories and ICD-10 codes

GHE code	GHE cause name	ICD-10 codes
10	I. Communicable, maternal, perinatal and nutritional conditions^a	A00-B99, D50-D53, D64.9, E00-E02, E40-E46, E50-E64, G00-G04, G14, H65-H66, J00-J22, N70-N73, O00-O99, P00-P96, U04
20	A. Infectious and parasitic diseases	A00-B99, G00-G04, G14, N70-N73, P37.3, P37.4
30	1. Tuberculosis	A15-A19, B90
40	2. STDs excluding HIV	A50-A64, N70-N73
50	a. Syphilis	A50-A53
60	b. Chlamydia	A55-A56
70	c. Gonorrhoea	A54
80	d. Trichomoniasis	A59
85	e. Genital herpes	A60
90	f. Other STDs	A57-A58, A63-A64, N70-N73
100	3. HIV/AIDS	B20-B24
101	a. HIV resulting in TB	B20.0
102	b. HIV resulting in other diseases	B20-B24 (minus B20.0)
110	4. Diarrhoeal diseases ^b	A00, A01, A03, A04, A06-A09
120	5. Childhood-cluster diseases	A33-A37, B05
130	a. Whooping cough	A37
140	b. Diphtheria	A36
150	c. Measles	B05
160	d. Tetanus	A33-A35
170	6. Meningitis ^b	A39, G00, G03
180	7. Encephalitis ^b	A83-A86, B94.1, G04
185	8. Hepatitis	B15-B19 (minus B17.8)
186	a. Acute hepatitis A	B15
190	b. Acute hepatitis B	B16-B19 (minus B17.1, B17.2, B18.2, B18.8)
200	c. Acute hepatitis C	B17.1, B18.2
205	d. Acute hepatitis E	B17.2, B18.8
210	9. Parasitic and vector diseases	A71, A82, A90-A91, A95, B50-B57, B65, B67, B69, B73, B74.0-B74.2, P37.3-P37.4
220	a. Malaria	B50-B54, P37.3, P37.4
230	b. Trypanosomiasis	B56
240	c. Chagas disease	B57
250	d. Schistosomiasis	B65
260	e. Leishmaniasis	B55
270	f. Lymphatic filariasis	B74.0-B74.2
280	g. Onchocerciasis	B73
285	h. Cysticercosis	B69
295	i. Echinococcosis	B67
300	j. Dengue	A90-A91
310	k. Trachoma	A71
315	l. Yellow fever	A95
320	m. Rabies	A82
330	10. Intestinal nematode infections	B76-B81
340	a. Ascariasis	B77

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350	b.	Trichuriasis	B79
360	c.	Hookworm disease	B76
362	d.	Food-borne trematodes	B78, B80, B81
365	11.	Leprosy	A30
370	12.	Other infectious diseases	A02, A05, A20-A28, A31, A32, A38, A40-A49, A65-A70, A74-A79, A80-A81, A87-A89, A92-A99, B00-B04, B06-B09, B17.8, B25-B49, B58-B60, B64, B66, B68, B70-B72, B74.3-B74.9, B75, B82-B89, B91-B99 (minus B94.1), G14
380	B.	Respiratory infectious^b	H65-H66, J00-J22, P23, U04
390	1.	Lower respiratory infections	J09-J22, P23, U04
400	2.	Upper respiratory infections	J00-J06
410	3.	Otitis media	H65-H66
420	C.	Maternal conditions	O00-O99
490	D.	Neonatal conditions	P00-P96 (minus P23, P37.3, P37.4)
500	1.	Preterm birth complications ^b	P05, P07, P22, P27-P28
510	2.	Birth asphyxia and birth trauma ^b	P03, P10-P15, P20-P21, P24-P26, P29
520	3.	Neonatal sepsis and infections	P35-P39 (minus P37.3, P37.4)
530	4.	Other neonatal conditions	P00-P02, P04, P08, P50-P96
540	E.	Nutritional deficiencies	D50-D53, D64.9, E00-E02, E40-E46, E50-E64
550	1.	Protein-energy malnutrition	E40-E46
560	2.	Iodine deficiency	E00-E02
570	3.	Vitamin A deficiency	E50
580	4.	Iron-deficiency anaemia	D50, D64.9
590	5.	Other nutritional deficiencies	D51-D53, E51-E64
600	II.	Noncommunicable diseases^a	C00-C97, D00-D48, D55-D64 (minus D 64.9), D65-D89, E03-E07, E10-E34, E65-E88, F01-F99, G06-G98 (minus G14), H00-H61, H68-H93, I00-I99, J30-J98, K00-K92, L00-L98, M00-M99, N00-N64, N75-N98, Q00-Q99, X41-X42, X44, X45, R95
610	A.	Malignant neoplasms^c	C00-C97
620	1.	Mouth and oropharynx cancers	C00-C14
621	a.	Lip and oral cavity	C00-C08
622	b.	Nasopharynx	C11
623	c.	Other pharynx	C09-C10, C12-C14
630	2.	Oesophagus cancer	C15
640	3.	Stomach cancer	C16
650	4.	Colon and rectum cancers	C18-C21
660	5.	Liver cancer	C22
670	6.	Pancreas cancer	C25
680	7.	Trachea, bronchus, lung cancers	C33-C34
690	8.	Melanoma and other skin cancers	C43-C44
691	a.	Malignant skin melanoma	C43
692	b.	Non-melanoma skin cancer	C44
700	9.	Breast cancer	C50
710	10.	Cervix uteri cancer ^d	C53
720	11.	Corpus uteri cancer ^d	C54
730	12.	Ovary cancer	C56
740	13.	Prostate cancer	C61
742	14.	Testicular cancer	C62
745	15.	Kidney, renal pelvis and ureter cancer	C64-C66
750	16.	Bladder cancer	C67
751	17.	Brain and nervous system cancers	C70-C72

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752	18. Gallbladder and biliary tract cancer	C23-C24
753	19. Larynx cancer	C32
754	20. Thyroid cancer	C73
755	21. Mesothelioma	C45
760	22. Lymphomas, multiple myeloma	C81-C90, C96
761	a. Hodgkin lymphoma	C81
762	b. Non-Hodgkin lymphoma	C82-C86, C96
763	c. Multiple myeloma	C88, C90
770	23. Leukaemia	C91-C95
780	24. Other malignant neoplasms	C17, C26-C31, C37-C41, C46-C49, C51, C52, C57-C60, C63, C68, C69, C74-C75, C77-C79
790	B. Other neoplasms	D00-D48
800	C. Diabetes mellitus	E10-E14 (minus E10.2, E11.2, E12.2, E13.2, E14.2)
810	D. Endocrine, blood, immune disorders	D55-D64 (minus D64.9), D65-D89, E03-E07, E15-E34, E65-E88
811	1. Thassaemias	D56
812	2. Sickle cell disorders and trait	D57
813	3. Other haemoglobinopathies and haemolytic anaemias	D55, D58-D59
814	4. Other endocrine, blood and immune disorders	D60-D64 (minus D64.9), D65-D89, E03-E07, E15-E34, E65-E88
820	E. Mental and substance use disorders	F04-F99, G72.1, Q86.0, X41-X42, X44, X45
830	1. Depressive disorders	F32-F33, F34.1
831	a. Major depressive disorder	F32-F33
832	b. Dysthymia	F34.1
840	2. Bipolar disorder	F30-F31
850	3. Schizophrenia	F20-F29
860	4. Alcohol use disorders	F10, G72.1, Q86.0, X45
870	5. Drug use disorders ^e	F11-F16, F18-F19 ^d , X41-X42, X44 ^d
871	a. Opioid use disorders	F11, X42
872	b. Cocaine use disorders	F14
873	c. Amphetamine use disorders	F15
874	d. Cannabis use disorders	F12
875	e. Other drug use disorders	F13, F16, F18, X41
880	6. Anxiety disorders	F40-F44
890	7. Eating disorders	F50
900	8. Autism and Asperger syndrome	F84
910	9. Childhood behavioural disorders	F90-F92
911	a. Attention deficit/hyperactivity syndrome	F90
912	b. Conduct disorder	F91-F92
920	10. Idiopathic intellectual disability	F70-F79
930	11. Other mental and behavioural disorders	F04-F09, F17, F34-F39 (minus F34.1), F45-F48, F51-F69, F80-F83, F88-F89, F93-F99
940	F. Neurological conditions	F01-F03, G06-G98 (minus G14, G72.1)
950	1. Alzheimer disease and other dementias	F01-F03, G30-G31
960	2. Parkinson disease	G20-G21
970	3. Epilepsy	G40-G41
980	4. Multiple sclerosis	G35
990	5. Migraine	G43

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1000	6.	Non-migraine headache	G44
1010	7.	Other neurological conditions	G06-G12, G23-G25, G36-G37, G45-G98 (minus G72.1)
1020	G.	Sense organ diseases	H00-H61, H68-H93
1030	1.	Glaucoma	H40
1040	2.	Cataracts	H25-H26
1050	3.	Uncorrected refractive errors	H49-H52
1060	4.	Macular degeneration	H35.3
1070	5.	Other vision loss	H30-H35 (minus H35.3), H53-H54
1080	6.	Other hearing loss	H90-H91
1090	7.	Other sense organ disorders	H00-H21, H27, H43-H47, H55-H61, H68-H83, H92-H93
1100	H.	Cardiovascular diseases^{f,g}	I00-I99
1110	1.	Rheumatic heart disease	I01-I09
1120	2.	Hypertensive heart disease	I11-I15
1130	3.	Ischaemic heart disease ^{f,g}	I20-I25
1140	4.	Stroke ^g	I60-I69
1150	5.	Cardiomyopathy, myocarditis, endocarditis	I30-I33, I38, I40, I42
1160	6.	Other circulatory diseases	I00, I26-I28, I34-I37, I44-I51, I70-I99
1170	I.	Respiratory diseases	J30-J98
1180	1.	Chronic obstructive pulmonary disease ^f	J40-J44
1190	2.	Asthma	J45-J46
1200	3.	Other respiratory diseases	J30-J39, J47-J98
1210	J.	Digestive diseases	K20-K92
1220	1.	Peptic ulcer disease	K25-K27
1230	2.	Cirrhosis of the liver	K70, K74
1240	3.	Appendicitis	K35-K37
1241	4.	Gastritis and duodenitis	K29
1242	5.	Paralytic ileus and intestinal obstruction	K56
1244	6.	Inflammatory bowel disease	K50-K52, K58.0
1246	7.	Gallbladder and biliary diseases	K80-K83
1248	8.	Pancreatitis	K85-K86
1250	9.	Other digestive diseases	K20-K22, K28, K30-K31, K38, K40-K46, K55, K57, K58.9, K59-K66, K71-K73, K75-K76, K90-K92
1260	K.	Genitourinary diseases	E10.2-E10.29, E11.2-E11.29, E12.2, E13.2-E13.29, E14.2, N00-N64, N75-N76, N80-N98
1270	1.	Kidney diseases^g	N00-N19, E10.2, E11.2, E12.2, E13.2, E14.2
1271	a.	Acute glomerulonephritis	N00-N01
1272	b.	Chronic kidney disease due to diabetes	E10.2, E11.2, E12.2, E13.2, E14.2
1273	c.	Other chronic kidney disease	N02-N19
1280	2.	Benign prostatic hyperplasia	N40
1290	3.	Urolithiasis	N20-N23
1300	4.	Other urinary diseases	N25-N39, N41-N45, N47-N51
1310	5.	Infertility	N46, N97
1320	6.	Gynecological diseases	N60-N64, N75-N76, N80-N96, N98
1330	L.	Skin diseases	L00-L98
1340	M.	Musculoskeletal diseases	M00-M99
1350	1.	Rheumatoid arthritis	M05-M06
1360	2.	Osteoarthritis	M15-M19
1370	3.	Gout	M10
1380	4.	Back and neck pain	M45-M48, M50-M54

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1390	5. Other musculoskeletal disorders	M00, M02, M08, M11-M13, M20-M43, M60-M99
1400	N. Congenital anomalies	Q00-Q99 (minus Q86.0)
1410	1. Neural tube defects	Q00, Q05
1420	2. Cleft lip and cleft palate	Q35-Q37
1430	3. Down syndrome	Q90
1440	4. Congenital heart anomalies ^f	Q20-Q28
1450	5. Other chromosomal anomalies	Q91-Q99
1460	6. Other congenital anomalies	Q01-Q04, Q06-Q18, Q30-Q34, Q38-Q89 (excluding Q86.0)
1470	O. Oral conditions	K00-K14
1480	1. Dental caries	K02
1490	2. Periodontal disease	K05
1500	3. Edentulism	-
1502	4. Other oral disorders	K00, K01, K03, K04, K06-K14
1505	P. Sudden infant death syndrome	R95
1510	III. Injuries^h	V01-Y89 (minus X41-X42, X44, X45)
1520	A. Unintentional injuries	V01-X40, X43, X46-59, Y40-Y86, Y88, Y89
1530	1. Road injury ⁱ	V01-V04, V06, V09-V80, V87, V89, V99
1540	2. Poisonings	X40, X43, X46-X48, X49
1550	3. Falls	W00-W19
1560	4. Fire, heat and hot substances	X00-X19
1570	5. Drowning	W65-W74
1575	6. Exposure to mechanical forces	W20-W38, W40-W43, W45, W46, W49-W52, W75, W76
1580	7. Natural disasters	X33-X39
1590	8. Other unintentional injuries	Rest of V, W39, W44, W53-W64, W77-W99, X20-X32, X50-X59, Y40-Y86, Y88, Y89
1600	B. Intentional injuries	X60-Y09, Y35-Y36, Y870, Y871
1610	1. Self-harm	X60-X84, Y870
1620	2. Interpersonal violence	X85-Y09, Y871
1630	3. Collective violence and legal intervention	Y35-Y36

—, not available

^a Deaths coded to "Symptoms, signs and ill-defined conditions" (R00-R94, R96-R99) are distributed proportionately to all causes within Group I and Group II.

^b For deaths under age 5, refer to classification in Annex Tables B.

^c Cancer deaths coded to ICD categories for malignant neoplasms of other and unspecified sites including those whose point of origin cannot be determined, and secondary and unspecified neoplasms (C76, C80, C97) were redistributed pro-rata across malignant neoplasm categories within each age–sex group, so that the category "Other malignant neoplasms" includes only malignant neoplasms of other specified sites.

^d Deaths assigned to ICD code C55, cancer of the uterus, part unspecified, and distributed pro-rata to cervix uteri cancer and corpus uteri cancer.

^e Deaths coded to F19 (Multiple and other drug use) and X44 (Accidental poisoning by other and unspecified drugs and medicines) have been redistributed to the GHE drug categories as described in Section 8.

^f Deaths assigned to a number of so-called cardiovascular "garbage" codes are reassigned to other underlying causes of death. These include heart failure, ventricular dysrhythmias, generalized atherosclerosis and ill-defined descriptions and complications of heart disease. Relevant ICD-10 codes are I46, I47.2, I49.0, I50, I51.4, I51.5, I51.6, I51.9 and I70.9. These are reassigned mainly to ischemic heart disease, but also to cardiomyopathy, myocarditis, endocarditis, chronic obstructive pulmonary disease, congenital heart anomalies, as described in Section 4.

^g Deaths assigned to essential hypertension (I10) were redistributed to ischemic heart disease, stroke, and kidney diseases.

^h Injury deaths where the intent is not determined (Y10-Y34, Y87.2) are distributed proportionately to all causes below the group level for injuries.

ⁱ For countries with 3-digit ICD10 data, for "Road injury" use: V01-V04, V06, V09-V80, V87, V89 and V99. For countries with 4-digit ICD10 data, for "Road injury" use:

V01.1-V01.9, V02.1-V02.9, V03.1-V03.9, V04.1-V04.9, V06.1-V06.9, V09.2, V09.3, V10.3-V10.9, V11.3-V11.9, V12.3-V12.9, V13.3-V13.9, V14.3-V14.9, V15.4-V15.9, V16.4-V16.9, V17.4-V17.9, V18.4-V18.9, V19.4-V19.9, V20.3-V20.9, V21.3-V21.9, V22.3-V22.9, V23.3-V23.9, V24.3-V24.9, V25.3-V25.9, V26.3-V26.9, V27.3-V27.9, V28.3-V28.9, V29.4-V29.9, V30.4-V30.9, V31.4-V31.9, V32.4-V32.9, V33.4-V33.9, V34.4-V34.9, V35.4-V35.9, V36.4-V36.9, V37.4-V37.9, V38.4-V38.9, V39.4-V39.9, V40.4-V40.9, V41.4-V41.9, V42.4-V42.9, V43.4-V43.9, V44.4-V44.9, V45.4-V45.9, V46.4-V46.9, V47.4-V47.9, V48.4-V48.9, V49.4-V49.9, V50.4-V50.9, V51.4-V51.9, V52.4-V52.9, V53.4-V53.9, V54.4-V54.9, V55.4-V55.9, V56.4-V56.9, V57.4-V57.9, V58.4-V58.9, V59.4-V59.9, V60.4-V60.9, V61.4-V61.9, V62.4-V62.9, V63.4-V63.9, V64.4-V64.9, V65.4-V65.9, V66.4-V66.9, V67.4-V67.9, V68.4-V68.9, V69.4-V69.9, V70.4-V70.9, V71.4-V71.9, V72.4-V72.9, V73.4-V73.9, V74.4-V74.9, V75.4-V75.9, V76.4-V76.9, V77.4-V77.9, V78.4-V78.9, V79.4-V79.9, V80.3-V80.5, V81.1, V82.1, V82.8-V82.9, V83.0-V83.3, V84.0-V84.3, V85.0-V85.3, V86.0-V86.3, V87.0-V87.9, V89.2-V89.3, V89.9, V99 and Y850.