

# WHO Mortality Database



## Documentation

**Department of Data and Analytics**

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# 1. Introduction

## 1.1. Background

The WHO Member States have been submitting their annual mortality and cause-of-death data as far back as 1950 to WHO. For over 70 years, these data are then compiled to form the unique historical WHO Mortality Database that has provided the empirical evidence to formulate global health policies in improving the health of populations worldwide. The annual data collection from Member States on cause-of-death statistics is undertaken in accordance with the WHO Nomenclature Regulations 1967, adopted under World Health Assembly resolution WHA20.18.

The WHO Nomenclature Regulations of 1967 affirms the importance of compiling and publishing statistics of mortality and morbidity in comparable form. Member States are obliged to provide WHO with the statistics in accordance with the Regulations.

## 1.2 About the data

The data available for download from this web site are official national statistics in the sense that they have been transmitted to the World Health Organization by the competent authorities of the countries concerned.

The WHO Mortality Data base comprises deaths registered in national civil registration and vital statistics (CRVS) systems, with underlying cause of death as coded by the relevant national authority. Underlying cause of death is defined as “the disease or injury which initiated the train of morbid events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury” in accordance with the rules of the International Classification of Diseases (ICD).

The users' attention is brought to the fact that some data might differ from those as published by the countries. This is mainly because (a) WHO uses standard classifications to present the data (b) some countries do not implement the ICD-10 updates and (c) also the WHO Mortality Data base is regularly updated

# 2. System requirements and installation

The database is available for PC installation. At least 900 MB of free space is required to download and install the data set to the user's PC. The data set is distributed in compressed form. Most of the files are in **CSV (comma separated values) format**; however their format allows for easy importing into any Data Base Management System (DBMS), for e.g. Microsoft Access, SPSS, STATA, SAS, R.

Users should have the necessary knowledge to operate a DBMS for a comprehensive use of the database. Instructions for importing the CSV files into STATA and SAS are listed in Annex

Table 3. However users are strongly recommended not to try to import the data into **Excel** spreadsheets because of the excessive number of records. There are over 2 million records in one data file.

### 3. File descriptions

**Note: All number of records listed below exclude the first row of field names**

- **Mortlcd07.zip:** mortality data aggregated according to the Lists A and B of the 7th revision of the ICD . Total records: 281,749
- **Mortlcd08.zip:** mortality data aggregated according to the Lists A and B of the 8th revision of the ICD. Total records 380,627
- **Mortlcd09.zip:** mortality data aggregated according to the Basic Tabulation List (BTL) of the 9th revision of the ICD. Total records 899,470
- **Mortlcd10.zip:** mortality data according to the 10th revision of the ICD, either with 3 characters, 4 characters ICD 10 codes or the tabulation list

This file is split **into 7 parts** (all mutually exclusive):

Mortlcd10\_part1 (1,022,017 records) – ICD-10 data up to 2002  
Mortlcd10\_part2 ( 958,647 records) – ICD-10 data for 2003-2007  
Mortlcd10\_part3 (1,045,687 records) – ICD-10 data for 2008-2012  
Mortlcd10\_part4 ( 885,319 records) – ICD-10 data for 2013-2016  
Mortlcd10\_part5 ( 863,021 records) – ICD-10 data for 2017-2020  
Mortlcd10\_part6 ( 369,240 records) – ICD-10 data for 2021 onwards  
**Mortlcd10\_add – specific country data with restrictions- Note this file is in Excel format.**

- **Pop.zip:** reference population and live births. Note population and live births are both in units. Population figures are mid-year population. Total records 10,196
- **Country\_codes.zip:** Country codes and names. Total records 227
- **Notes.zip:** Notes related to data for some countries-years. Total records 42
- **Availability.zip:** List of countries-years included in the data base for mortality and population data. This is an Excel file with two worksheets.

Note that the fields “Admin1”, “Subdiv”, “List”, “Cause”, “Frm” and “IM\_Frm” should be treated as characters. The other fields can be treated as numerical variables.

## 4. File layout

For files Mortlcd7.zip, Mortlcd8.zip, Mortlcd9.zip and Mortlcd10.zip, the layout for each line of data is as follows:

Column name	Content
Country	Country code – see file “Country_codes.zip”
Admin1	Specified region/Category pertinent to each country– see Annex Table 2 below. If both fields 'Admin1' and 'Subdiv' are blank, data reported refer to the country.
Subdiv	Category of data – see Annex Table 2 below. If both fields 'Admin1' and 'Subdiv' are blank, data reported refer to the country.
Year	Year to which data refer
List	List of ICD revision used – see Annex Table 2 below.
Cause	Cause of death – For details consult Part 2 below or ICD publications
Sex	1 male, 2 female and 9 sex unspecified
Format	Age-group format for breakdown of deaths at 0-95+ yrs – see Annex Table 1 below for details
IM_Format	Age format for breakdown of infant deaths (0 year) – see Annex Table 1 below for details
Deaths1	Deaths at all ages
Deaths2	Deaths at age 0 year
Deaths3	Deaths at age 1 year
Deaths4	Deaths at age 2 years
Deaths5	Deaths at age 3 years
Deaths6	Deaths at age 4 years
Deaths7	Deaths at age 5-9 years
Deaths8	Deaths at age 10-14 years
Deaths9	Deaths at age 15-19 years
Deaths10	Deaths at age 20-24 years
Deaths11	Deaths at age 25-29 years
Deaths12	Deaths at age 30-34 years
Deaths13	Deaths at age 35-39 years
Deaths14	Deaths at age 40-44 years
Deaths15	Deaths at age 45-49 years
Deaths16	Deaths at age 50-54 years
Deaths17	Deaths at age 55-59 years
Deaths18	Deaths at age 60-64 years
Deaths19	Deaths at age 65-69 years
Deaths20	Deaths at age 70-74 years
Deaths21	Deaths at age 75-79 years
Deaths22	Deaths at age 80-84 years
Deaths23	Deaths at age 85-89 years
Deaths24	Deaths at age 90-94 years
Deaths25	Deaths at age 95 years and above

Column name	Content
Deaths26	Deaths at age unspecified
IM_deaths1	Infant deaths at age 0 day
IM_deaths2	Infant deaths at age 1-6 days
IM_deaths3	Infant deaths at age 7-27 days
IM_deaths4	Infant deaths at age 28-364 days

The layout of each record of the **Pop.zip** file is as follows:

Column name	Content
Country	Country code – see file “Country_codes.zip”
Admin1	Specified region/Category pertinent to each country– see file “Country_codes.zip”. If this field is blank, data reported refer to the country
Subdiv1	Category of data – see Annex Table 2 below. If this field is blank, data reported refer to the country.
Year	Year to which data refer
Sex	1 male, 2 female
Frmat	Age-group format for breakdown of deaths at 0-95+ yrs – see Annex Table 1 below for details
Pop1	Population at all ages
Pop2	Population at age 0 year
Pop3	Population at age1 year
Pop4	Population at age 2 years
Pop5	Population at age 3 years
Pop6	Population at age 4 years
Pop7	Population at age 5-9 years
Pop8	Population at age 10-14 years
Pop9	Population at age 15-19 years
Pop10	Population at age 20-24 years
Pop11	Population at age 25-29 years
Pop12	Population at age 30-34 years
Pop13	Population at age 35-39 years
Pop14	Population at age 40-44 years
Pop15	Population at age 45-49 years
Pop16	Population at age 50-54 years
Pop17	Population at age 55-59 years
Pop18	Population at age 60-64 years
Pop19	Population at age 65-69 years
Pop20	Population at age 70-74 years
Pop21	Population at age 75-79 years
Pop22	Population at age 80-84 years
Pop23	Population at age 85-89 years
Pop24	Population at age 90-94 years
Pop25	Population at age 95 years and over
Pop26	Population at age unspecified
Lb	Live births

The layout of each record of the **Country\_codes.zip** file is as follows:

Column name	Content
Country	Country code
Name	Country name

Note that the above fields should be read together with fields “Admin1” and “Subdiv” in the data files.

## 5. Annexes

### Annex 1: Definition of age-group formats

#### Age group formats for breakdown of deaths at ages 0 to 95 years and above

(Countries not using standard age groups (Format code 00) use groups which are formed by combining two or more complete age groups of the standard age groups. In such cases the data is recorded under the first of the combined age groups; the unused part is left blank.)

Format - general mortality reporting										
Format number→	00	01	02	03	04	05	06	07	08	09
Years	All ages	All ages	All ages	All ages	All ages	All ages	All ages	All ages	All ages	All ages
0	0	0	0	0	0	0	0	0	0	
1	1	1	1-4	1	1-4	1-4	1-4	1-4	1-4	
2	2	2		2						N
3	3	3		3						O
4	4	4		4						
5	5-9	5-9	5-9	5-9	5-9	5-9	5-9	5-14	5-14	A
10	10-14	10-14	10-14	10-14	10-14	10-14	10-14			G
15	15-19	15-19	15-19	15-19	15-19	15-19	15-19	15-24	15-24	E
20	20-24	20-24	20-24	20-24	20-24	20-24	20-24			
25	25-29	25-29	25-29	25-29	25-29	25-29	25-29	25-34	25-34	D
30	30-34	30-34	30-34	30-34	30-34	30-34	30-34			I
35	35-39	35-39	35-39	35-39	35-39	35-39	35-39	35-44	35-44	S
40	40-44	40-44	40-44	40-44	40-44	40-44	40-44			T
45	45-49	45-49	45-49	45-49	45-49	45-49	45-49	45-54	45-54	R
50	50-54	50-54	50-54	50-54	50-54	50-54	50-54			I
55	55-59	55-59	55-59	55-59	55-59	55-59	55-59	55-64	55-64	B
60	60-64	60-64	60-64	60-64	60-64	60-64	60-64			U
65	65-69	65-69	65-69	65-69	65-69	65-69	65-69	65 &+	65 &+	T
70	70-74	70-74	70-74	70-74	70-74	70-74	70 &+			I
75	75-79	75-79	75-79	75 &+	75 &+			75 &+		O
80	80-84	80-84	80-84							N
85	85-89	85 &+	85 &+							
90	90-94									
95	95 &+									
Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	



### Age-group format for breakdown of **infant deaths (0 year)**

(If countries are not using standard age groups (Format code 01) the data for infant deaths must be recorded under the first of the combined age groups; the unused part is left blank.)

<b>Format number→</b>	<b>01</b>	<b>02</b>	<b>08</b>	<b>09</b>
0day	0 day	0-6 days	0-365 days	<i>No data</i>
1-6day	1-6 days			<i>No data</i>
7-27 days	7-27 days	7-27days		<i>No data</i>
28-365 days	28-365 days	28-365 days		<i>No data</i>

## Annex 2: Definition of fields: admin1, subdiv, list

### Field “Admin1”

<b>Country</b>	<b>Admin1</b>	<b>Description</b>
2070	901	North and North-East
2070	902	South, South-East and Central West
2350	901	Former Canal Zone
3150	901	Jewish Population

### Field “Subdiv”

<b>Subdiv</b>	<b>Description</b>
A10	Survey
A20	Reporting Areas
A30	Part
A35	Selected Urban and Rural Areas
A41	Selected Rural Areas
A51	Selected Urban Areas
A70	Cities
A80	Certified Deaths
B10	Nationals only

### Field “List” (Consult section 6 of this document for more details on specific codes)

<b>List</b>	<b>List of causes (condensed/detailed) from the revisions of the International Classification of Diseases</b>
07A	ICD 7 <sup>th</sup> revision, List A (condensed)
07B	ICD 7 <sup>th</sup> revision, List B (condensed)
08A	ICD 8 <sup>th</sup> revision, List A (condensed)
08B	ICD 8 <sup>th</sup> revision, List B (condensed)
09A,09B	ICD 9 <sup>th</sup> revision, Basic Tabulation List (condensed)
09N	ICD 9 <sup>th</sup> revision, Special List of causes (condensed) as reported by some countries of the newly independent States of former USSR
09C	ICD 9 <sup>th</sup> revision, Special List of causes (condensed) as reported by China
101	ICD10 Mortality Tabulation List 1(condensed)
103	ICD10 3 (detailed) character list
104	ICD10 4 (detailed) character list

List	List of causes (condensed/detailed) from the revisions of the International Classification of Diseases
10M	ICD10 3 and 4 (detailed) character list. Pls note that when a 4 <sup>th</sup> character code is given it is therefore not included in a 3 character code. All records are mutually exclusive.
UE1	ICD10 special list for Portugal - data for 2004-2005

## Annex 3: Instructions for importing data in STATA and SAS

### Instructions for importing the CSV data files into STATA:

After all files download completed, decompress all the files and store them into a directory. Important: add the extension “csv” at the name of each file.

How to import csv file into STATA:

1. Save the csv file onto a drive on your computer, note the full path of document.
  - a. Take as example file “mortcd10.csv” and save it in folder: “D:\My documents”. Hence full path name is: “D:\My documents\mortcd10.csv”
2. Open STATA
3. Type in command “insheet using” + full path name from 1a =  
insheet using “D:\My documents\ mortcd10.csv”

Run the command and the data will be imported into STATA.

### Instructions for importing the CSV data files into SAS:

After all files download completed, decompress all the files and store them into a directory.

In the Editor window,

first create a library (e.g “mort”) in a directory (e.g. D:\WHOdata) by typing the first command below. Then type in all the other commands to import the data. Note that it is important to keep the first 9 fields as characters.

```
libname mort 'D:\WHOdata';
```

```
data mort.mortcd10;
  infile "D:\WHOdata\mortcd10 " dlm=', ' misover DSD LRECL=32767 firstobs=2;
  length
    Country $4
    Admin1 $3
    SubDiv $3
    Year $4
    List $3
    Cause $4
    Sex $1
```

```

input
    Frmat          $2
    IM_Frmat       $2
    Deaths1       8
    Deaths2       8
    Deaths3       8
    Deaths4       8
    Deaths5       8
    Deaths6       8
    Deaths7       8
    Deaths8       8
    ....          }
    ....          } (please type Deaths9 to Deaths25 in the same way)
    Deaths26      8
    Im_deaths1     8
    Im_deaths2     8
    Im_deaths3     8
    Im_deaths4     8;

    Country        $
    Admin1         $
    SubDiv         $
    Year           $
    List           $
    Cause          $
    Sex            $
    Frmat          $
    IM_Frmat       $
    Deaths1
    Deaths2
    Deaths3
    Deaths4
    Deaths5
    Deaths6
    Deaths7
    Deaths8
    ...            } (please type Deaths9 to Deaths25 in the same way)
    ...            }
    Deaths26
    Im_deaths1
    Im_deaths2
    Im_deaths3
    Im_deaths4    ;

run;

```

## Annex 4: Conditions on the use of the WHO Mortality database (MDB)

The data available on this web site comprise deaths registered in national civil registration and vital statistics systems, with underlying cause of death as coded by the relevant national authority. These data are official national statistics in the sense that they have been transmitted to the World Health Organization by the competent authorities of the countries concerned. Whenever possible, each Member State reports population data along with their mortality data, for the population covered by the death registration system. Where this is a subset of the national population, the data is labelled accordingly in the WHO Mortality Database, e.g. Brazil (North and North-east) or Paraguay (reporting areas). However, the completeness of death registration may also be less than 100% for the specified registration population.

Note that vital registration data may be 100% complete for the population covered, but not include full coverage of deaths in the country. Caution should therefore be taken when doing inter-country comparisons.

Death registration coverage and cross-national differences in coding practices, particularly in the use of codes for ill-defined and unknown causes, must also be taken into account to validly compare mortality rates for specific causes across countries.

The designations employed and the presentation of material in the MDB do not imply the expression of any opinion whatsoever on the part of the World Health Organization or other parties involved in the MDB concerning the legal status of any country, territory or area, its authorities, its current or former official name, or the delimitation of its frontiers or boundaries. Accordingly: a) strictly for purposes of statistical use, denominations are used which, although applicable at one particular time, may not reflect correct terminology at some other point in the historical context in which they are so used; b) references to "former" entities refer to countries that formerly existed under those names, or abbreviations; and c) in some cases, denominations are used to refer to countries as they currently exist and, when used with respect to data relating to before the existence of these countries as independent states, to sub-national entities of formerly existing larger countries.

WHO asks users to cooperate in the provision of electronically transmitted data by adhering to the following guidelines:-

(a) Material drawn from the MDB for publication must be accompanied by an acknowledgment of WHO as the source and a disclaimer crediting analyses, interpretations or conclusions to the author of the published data and not to WHO, which is responsible only for the provision of the original information.

(b) Users wishing to publish a technical description or qualification of the data will make a reasonable effort to ensure that it is not inconsistent with any published by WHO.

(c) Recipients of electronically transmitted data wishing to, or asked to make these, or copies thereof available to a third party are asked to refer such party to WHO, who will transmit the data directly accompanied with the necessary documentation. This will prevent circulation of out-of-date data, as the MDB is updated regularly.

It should be noted that these data are transmitted on the understanding that no use will be made of them for commercial purposes and that no such permission or right to use may be implied thereby.

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## 6. Causes of death: code descriptions

**Table 1. ICD7 – A List (condensed) & some detailed codes**

ICD7-A List (condensed)	Detailed List Numbers	Cause
A000		All causes
A001	001-008	Tuberculosis of respiratory system
A002	010	Tuberculosis of meninges and central nervous system
A003	011	Tuberculosis of intestines, peritoneum, and mesenteric glands
A004	012, 013	Tuberculosis of bones and joints
A005	014-019	Tuberculosis, all other forms
A006	020	Congenital syphilis
A007	021	Early syphilis
A008	024	Tabes dorsalis
A009	025	General paralysis of insane
A010	022, 023, 026-029	All other syphilis
A011	030-035	Gonococcal infection
A012	040	Typhoid fever
A013	041, 042	Paratyphoid fever and other Salmonella infections
A014	043	Cholera
A015	044	Brucellosis (undulant fever)
A016	045-048	Dysentery, all forms
A017	050	Scarlet fever
A018	051	Streptococcal sore throat
A019	052	Erysipelas
A020	053	Septicaemia and pyaemia
A021	055	Diphtheria
A022	056	Whooping cough
A023	057	Meningococcal infections
A024	058	Plague
A025	060	Leprosy
A026	061	Tetanus
A027	062	Anthrax
A028	080	Acute poliomyelitis
A029	082	Acute infectious encephalitis
A030	081, 083	Late effects of acute poliomyelitis and acute infectious encephalitis
A031	084	Smallpox
A032	085	Measles
A033	091	Yellow fever
A034	092	Infectious hepatitis
A035	094	Rabies
A036	100-108	Typhus and other rickettsial diseases
A037	110-117	Malaria
A038	123	Schistosomiasis
A039	125	Hydatid disease
A040	127	Filariasis
A041	129	Ankylostomiasis
A042	124, 126, 128, 130	Other diseases due to helminths

ICD7-A List (condensed)	Detailed List Numbers	Cause
A043	036-039, 049, 054, 059, 063- 074, 086-090, 093, 095, 096, 120-122, 131- 138	All other diseases classified as infective and parasitic
A044	140-148	Malignant neoplasm of buccal cavity and pharynx
A045	150	Malignant neoplasm of oesophagus
A046	151	Malignant neoplasm of stomach
A047	152, 153	Malignant neoplasm of intestine, except rectum
A048	154	Malignant neoplasm of rectum
A049	161	Malignant neoplasm of larynx
A050	162, 163	Malignant neoplasm of trachea, bronchus and lung, not specified as secondary
A051	170	Malignant neoplasm of breast
A052	171	Malignant neoplasm of cervix uteri
A053	172-174	Malignant neoplasm of other and unspecified parts of uterus
A054	177	Malignant neoplasm of prostate
A055	190, 191	Malignant neoplasm of skin
A056	196, 197	Malignant neoplasm of bone and connective tissue
A057	155-160, 164, 165, 175, 176, 178-181, 192- 195, 198, 199	Malignant neoplasm of all other and unspecified sites
A058	204	Leukaemia and aleukaemia
A059	200-203, 205	Lymphosarcoma and other neoplasms of lymphatic and haematopoietic system
A060	210-239	Benign neoplasms and neoplasms of unspecified nature
A061	250, 251	Non-toxic goitre
A062	252	Thyrotoxicosis with or without goitre
A063	260	Diabetes mellitus
A064	280-286	Avitaminosis and other deficiency states
A065	290-293	Anaemias
A066	240-245, 253, 254, 270-277, 287-289, 294- 299	Allergic disorders; all other endocrine, metabolic, and blood diseases
A067	300-309	Psychoses
A068	310-324, 326	Psychoneuroses and disorders of personality
A069	325	Mental deficiency
A070	330-334	Vascular lesions affecting central nervous system
A071	340	Non-meningococcal meningitis
A072	345	Multiple sclerosis
A073	353	Epilepsy
A074	370-379	Inflammatory diseases of eye
A075	385	Cataract
A076	387	Glaucoma
A077	391-393	Otitis media and mastoiditis
A078	341-344, 350- 352, 354-369, 380-384, 386, 388-390, 394- 398	All other diseases of the nervous system and sense organs
A079	400-402	Rheumatic fever

ICD7-A List (condensed)	Detailed List Numbers	Cause
A080	410-416	Chronic rheumatic heart disease
A081	420-422	Arteriosclerotic and degenerative heart disease
A082	430-434	Other diseases of heart
A083	440-443	Hypertension with heart disease
A084	444-447	Hypertension without mention of heart
A085	450-456	Diseases of arteries
A086	460-468	Other diseases of circulatory system
A087	470-475	Acute upper respiratory infections
A088	480-483	Influenza
A089	490	Lobar pneumonia
A090	491	Bronchopneumonia
A091	492, 493	Primary atypical, other, and unspecified pneumonia
A092	500	Acute bronchitis
A093	501, 502	Bronchitis, chronic and unqualified
A094	510	Hypertrophy of tonsils and adenoids
A095	518, 521	Empyema and abscess of lung
A096	519	Pleurisy
A097	511-517, 520, 522-527	All other respiratory diseases
A098	530-535	Diseases of teeth and supporting structures
A099	540	Ulcer of stomach
A100	541	Ulcer of duodenum
A101	543	Gastritis and duodenitis
A102	550-553	Appendicitis
A103	560, 561, 570	Intestinal obstruction and hernia
A104	571, 572	Gastro-enteritis and colitis, except diarrhoea of the newborn
A105	581	Cirrhosis of liver
A106	584, 585	Cholelithiasis and cholecystitis
A107	536-539, 542, 544, 545, 573- 580, 582, 583, 586, 587	Other diseases of digestive system
A108	590	Acute nephritis
A109	591-594	Chronic, other, and unspecified nephritis
A110	600	Infections of kidney
A111	602, 604	Calculi of urinary system
A112	610	Hyperplasia of prostate
A113	620, 621	Diseases of breast
A114	601, 603, 605- 609, 611-617, 622-637	Other diseases of genito-urinary system
A115	640, 641, 681, 682, 684	Sepsis of pregnancy, childbirth, and the puerperium
A116	642, 652, 685, 686	Toxaemias of pregnancy and the puerperium
A117	643, 644, 670- 672	Haemorrhage of pregnancy and childbirth
A118	650	Abortion without mention of sepsis or toxemia
A119	651	Abortion with sepsis
A120	645-649, 660, 673-680, 683, 687-689	Other complications of pregnancy, childbirth, and the puerperium. Delivery without mention of complication
A121	690-698	Infections of skin and subcutaneous tissue



ICD7-A List (condensed)	Detailed List Numbers	Cause
A122	720-725	Arthritis and spondylitis
A123	726, 727	Muscular rheumatism and rheumatism unspecified
A124	730	Osteomyelitis and periostitis
A125	737, 745-749	Ankylosis and acquired musculoskeletal deformities
A126	700-716, 731-736, 738-744	All other diseases of skin and musculoskeletal system
A127	751	Spina bifida and meningocele
A128	754	Congenital malformations of circulatory system
A129	750, 752, 753, 755-759	All other congenital malformations
A130	760, 761	Birth injuries
A131	762	Postnatal asphyxia and atelectasis
A132	763-768	Infections of the newborn
A133	770	Haemolytic disease of the newborn
A134	769, 771, 772	All other defined diseases of early infancy
A135	773-776	Ill-defined diseases peculiar to early infancy, and immaturity unqualified
A136	794	Senility without mention of psychosis
A137	780-793, 795	Ill-defined and unknown causes of morbidity and mortality
A138	E810-E835	Motor vehicle accidents
A139	E800-E802, E840-E866	Other transport accidents
A140	E870-E895	Accidental poisoning
A141	E900-E904	Accidental falls
A142	E912	Accident caused by machinery
A143	E916	Accident caused by fire and explosion of combustible material
A144	E917, E918	Accident caused by hot substance, corrosive liquid, steam, and radiation
A145	E919	Accident caused by firearm
A146	E929	Accidental drowning and submersion
A147	E910, E911, E913-E915, E920-E928, E930-E962	All other accidental causes
A148	E963, E970-E979	Suicide and self-inflicted injury
A149	E964, E980-E985	Homicide and injury purposely inflicted by other persons (not in war)
A150	E965, E990-E999	Injury resulting from operations of war
S47	E800-E802, E840-E962	All other accidental causes (only applied for Trinidad and Tobago, 1967 and 1968 where the data do not contain a breakdown of all other accidental causes (A139-A147).
CH17	E800-E999	CHAPTER XVII – Accidents, Poisoning, and Violence (Only applied for some countries-years when the data do not contain a breakdown of all external causes (A138-A150).
	140	MN of lip
	141	MN of tongue
	142	MN of salivary gland
	143	MN of floor of mouth
	144	MN of other pars of mouth, and of mouth, unspecified
	145	MN of oral mesopharynx
	146	MN of nasopharynx
	147	MN of hypopharynx
	148	MN of pharynx, unspecified
	150	MN of oesophagus

ICD7-A List (condensed)	Detailed List Numbers	Cause
	151	MN of stomach
	152	MN of small intestine, including duodenum
	153	MN of large intestine, except rectum
	154	MN of rectum
	155	MN of biliary passages and of liver (stated to be primary site)
	1550	MN of liver (stated to be primary site)
	1551	MN of gallbladder and extrahepatic gall ducts, including ampulla of Vater
	156	MN of liver (secondary and unspecified)
	157	MN of pancreas
	158	MN of peritoneum
	159	MN of unspecified digestive organs
	160	MN of nose, nasal cavities, middle ear, and accessory sinuses
	161	MN of larynx
	162	MN of bronchus and trachea, and of lung specified as primary
	163	MN of lung, unspecified as to whether primary or secondary
	164	MN of mediastinum
	165	MN of thoracic organs (secondary)
	170	MN of breast
	171	MN of cervix uteri
	172	MN of corpus uteri
	173	MN of other parts of uterus, including chorionepithelioma
	174	MN of uterus, unspecified
	175	MN of ovary, Fallopian tube and broad ligament
	176	MN of other and unspecified female genital organs
	177	MN of prostate
	178	MN of testis
	179	MN of other and unspecified male genital organs
	1790	MN of penis
	180	MN of kidney
	181	MN of bladder and other urinary organs
	1810	MN of bladder
	190	Malignant melanoma of skin
	191	Other malignant neoplasm of skin
	192	MN of eye
	193	MN of brain and other parts of nervous system
	194	MN of thyroid gland
	195	MN of other endocrine glands
	196	MN of bone
	197	MN of connective tissue
	198	Secondary and unspecified malignant neoplasm of lymph nodes
	199	MN of other and unspecified sites
	200	Lymphosarcoma and reticulosarcoma
	201	Hodgkin's disease
	202	Other forms of lymphoma (reticulosis)
	203	Multiple myeloma (plasmocytoma)
	204	Leukaemia and aleukaemia
	205	Mycosis fungoides
	210+ (210-229)	Benign neoplasm
	230+ (230-239)	Neoplasm of unspecified nature

**Table 2. ICD 7 – B List (condensed)**

ICD 7 - B List (condensed)	Detailed List Numbers	Cause
B000		All causes
B001	001-008	Tuberculosis of respiratory system
B002	010-019	Tuberculosis, other forms
B003	020-029	Syphilis and its sequelae
B004	040	Typhoid fever
B005	043	Cholera
B006	045-048	Dysentery, all forms
B007	050, 051	Scarlet fever and streptococcal sore throat
B008	055	Diphtheria
B009	056	Whooping cough
B010	057	Meningococcal infections
B011	058	Plague
B012	080	Acute poliomyelitis
B013	084	Smallpox
B014	085	Measles
B015	100-108	Typhus and other rickettsial diseases
B016	110-117	Malaria
B017	030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138	All other diseases classified as infective and parasitic
B018	140-205	Malignant neoplasms, including neoplasms of lymphatic and haematopoietic tissues
B019	210-239	Benign neoplasms and neoplasms of unspecified nature
B020	260	Diabetes mellitus
B021	290-293	Anaemias
B022	330-334	Vascular lesions affecting central nervous system
B023	340	Non-meningococcal meningitis
B024	400-402	Rheumatic fever
B025	410-416	Chronic rheumatic heart disease
B026	420-422	Arteriosclerotic and degenerative heart disease
B027	430-434	Other diseases of heart
B028	440-443	Hypertension with heart disease
B029	444-447	Hypertension without mention of heart
B030	480-483	Influenza
B031	490-493	Pneumonia
B032	500-502	Bronchitis
B033	540, 541	Ulcer of stomach and duodenum
B034	550-553	Appendicitis
B035	560, 561, 570	Intestinal obstruction and hernia
B036	543, 571, 572	Gastritis, duodenitis, enteritis, and colitis, except diarrhoea of the newborn
B037	581	Cirrhosis of liver
B038	590-594	Nephritis and nephrosis
B039	610	Hyperplasia of prostate
B040	640-689	Deliveries and complications of pregnancy, childbirth, and the puerperium
B041	750-759	Congenital malformations
B042	760-762	Birth injuries, postnatal asphyxia and atelectasis
B043	763-768	Infections of the newborn

<b>ICD 7 - B List (condensed)</b>	<b>Detailed List Numbers</b>	<b>Cause</b>
B044	769-776	Other diseases peculiar to early infancy, and immaturity unqualified
B045	780-795	Senility without mention of psychosis, ill-defined and unknown causes
B046	Residual	All other diseases
B047	E810-E835	Motor vehicle accidents
B048	E800-E802, E840-E962	All other accidents
B049	E963, E970- E979	Suicide and self-inflicted injury
B050	E964, E965, E980-E999	Homicide and operations of war

**Table 3. ICD 8 A-LIST (condensed) and some detailed codes**

ICD-8 A-LIST (condensed)	Detailed List Numbers	Cause
A000		All causes
A001	000	Cholera
A002	001	Typhoid fever
A003	002, 003	Paratyphoid fever and other salmonella infections
A004	004, 006	Bacillary dysentery and amoebiasis
A005	008, 009	Enteritis and other diarrhoeal diseases
A006	010-012	Tuberculosis of respiratory system
A007	013	Tuberculosis of meninges and central nervous system
A008	014	Tuberculosis of intestines, peritoneum and mesenteric glands
A009	015	Tuberculosis of bones and joints
A010	016-019	Other tuberculosis, including late effects
A011	020	Plague
A012	022	Anthrax
A013	023	Brucellosis
A014	030	Leprosy
A015	032	Diphtheria
A016	033	Whooping cough
A017	034	Streptococcal sore throat and scarlet fever
A018	035	Erysipelas
A019	036	Meningococcal infection
A020	037	Tetanus
A021	005, 007, 021, 024-027, 031, 038, 039	Other bacterial diseases
A022	040-043	Acute poliomyelitis
A023	044	Late effects of acute poliomyelitis
A024	050	Smallpox
A025	055	Measles
A026	060	Yellow fever
A027	062-065	Viral encephalitis
A028	070	Infectious hepatitis
A029	045, 046, 051-054, 056, 057, 061, 066-068, 071-079	Other viral diseases
A030	080-083	Typhus and other rickettsioses
A031	084	Malaria
A032	086, 087	Trypanosomiasis
A033	088	Relapsing fever
A034	090	Congenital syphilis
A035	091	Early syphilis, symptomatic
A036	094	Syphilis of central nervous system
A037	092, 093, 095-097	Other syphilis
A038	098	Gonococcal infections
A039	120	Schistosomiasis
A040	122	Hydatidosis
A041	125	Filarial infection
A042	126	Ancylostomiasis

ICD-8 A-LIST (condensed)	Detailed List Numbers	Cause
A043	121, 123, 124, 127-129	Other helminthiases
A044	085, 089, 099, 100-117, 130- 136	All other infective and parasitic diseases
A045	140-149	Malignant neoplasm of buccal cavity and pharynx
A046	150	Malignant neoplasm of oesophagus
A047	151	Malignant neoplasm of stomach
A048	152, 153	Malignant neoplasm of intestine, except rectum
A049	154	Malignant neoplasm of rectum and rectosigmoid junction
A050	161	Malignant neoplasm of larynx
A051	162	Malignant neoplasm of trachea, bronchus and lung
A052	170	Malignant neoplasm of bone
A053	172, 173	Malignant neoplasm of skin
A054	174	Malignant neoplasm of breast
A055	180	Malignant neoplasm of cervix uteri
A056	181, 182	Other malignant neoplasm of uterus
A057	185	Malignant neoplasm of prostate
A058	155-160, 163, 171, 183, 184, 186-199	Malignant neoplasm of other and unspecified sites
A059	204-207	Leukaemia
A060	200-203, 208, 209	Other neoplasms of lymphatic and haemopoietic tissue
A061	210-239	Benign neoplasms and neoplasms of unspecified nature
A062	240, 241	Non-toxic goitre
A063	242	Thyrotoxicosis with or without goitre
A064	250	Diabetes mellitus
A065	260-269	Avitaminoses and other nutritional deficiency
A066	243-246, 251- 258, 270-279	Other endocrine and metabolic diseases
A067	280-285	Anaemias
A068	286-289	Other diseases of blood and blood-forming organs
A069	290-299	Psychoses
A070	300-309	Neuroses, personality disorders and other non-psychotic mental disorders
A071	310-315	Mental retardation
A072	320	Meningitis
A073	340	Multiple sclerosis
A074	345	Epilepsy
A075	360-369	Inflammatory diseases of eye
A076	374	Cataract
A077	375	Glaucoma
A078	381-383	Otitis media and mastoiditis
A079	321-333, 341- 344, 346-358, 370-373, 376- 380, 384-389	Other diseases of nervous system and sense organs
A080	390-392	Active rheumatic fever
A081	393-398	Chronic rheumatic heart disease
A082	400-404	Hypertensive disease
A083	410-414	Ischaemic heart disease
A084	420-429	Other forms of heart disease
A085	430-438	Cerebrovascular disease

ICD-8 A-LIST (condensed)	Detailed List Numbers	Cause
A086	440-448	Diseases of arteries, arterioles and capillaries
A087	450-453	Venous thrombosis and embolism
A088	454-458	Other diseases of circulatory system
A089	460-466	Acute respiratory infections
A090	470-474	Influenza
A091	480	Viral pneumonia
A092	481-486	Other pneumonia
A093	490-493	Bronchitis, emphysema and asthma
A094	500	Hypertrophy of tonsils and adenoids
A095	510, 513	Empyema and abscess of lung
A096	501-508, 511, 512, 514-519	Other diseases of respiratory system
A097	520-525	Diseases of teeth and supporting structures
A098	531-533	Peptic ulcer
A099	535	Gastritis and duodenitis
A100	540-543	Appendicitis
A101	550-553, 560	Intestinal obstruction and hernia
A102	571	Cirrhosis of liver
A103	574, 575	Cholelithiasis and cholecystitis
A104	526-530, 534, 536, 537, 561- 570, 572, 573, 576, 577	Other diseases of digestive system
A105	580	Acute nephritis
A106	581-584	Other nephritis and nephrosis
A107	590	Infections of kidney
A108	592, 594	Calculus of urinary system
A109	600	Hyperplasia of prostate
A110	610, 611	Diseases of breast
A111	591, 593, 595- 599, 601-607, 612-629	Other diseases of genito-urinary system
A112	636-639	Toxaemias of pregnancy and the puerperium
A113	632, 651-653	Haemorrhage of pregnancy and childbirth
A114	640, 641	Abortion induced for legal indications
A115	642-645	Other and unspecified abortion
A116	670, 671, 673	Sepsis of childbirth and the puerperium
A117	630, 631, 633- 635, 654-662, 672, 674-678	Other complications of pregnancy, childbirth and the puerperium
A118	650	Delivery without mention of complication
A119	680-686	Infections of skin and subcutaneous tissue
A120	690-709	Other diseases of skin and subcutaneous tissue
A121	710-715	Arthritis and spondylitis
A122	716-718	Non-articular rheumatism and rheumatism unspecified
A123	720	Osteomyelitis and periostitis
A124	727, 735-738	Ankylosis and acquired musculoskeletal deformities
A125	721-726, 728- 734	Other diseases of musculoskeletal system and connective tissue
A126	741	Spina bifida
A127	746	Congenital anomalies of heart
A128	747	Other congenital anomalies of circulatory system
A129	749	Cleft palate and cleft lip

ICD-8 A-LIST (condensed)	Detailed List Numbers	Cause
A130	740, 742-745, 748, 750-759	All other congenital anomalies
A131	764-768, 772	Birth injury and difficult labour
A132	770, 771	Conditions of placenta and cord
A133	774, 775	Haemolytic disease of newborn
A134	776	Anoxic and hypoxic conditions not elsewhere classified
A135	760-763, 769, 773, 777-779	Other causes of perinatal morbidity and mortality
A136	794	Senility without mention of psychosis
A137	780-793, 795, 796	Symptoms and other ill-defined conditions
A138	E810-E823	Motor vehicle accidents
A139	E800-E807, E825-E845	Other transport accidents
A140	E850-E877	Accidental poisoning
A141	E880-E887	Accidental falls
A142	E890-E899	Accidents caused by fires
A143	E910	Accidental drowning and submersion
A144	E922	Accident caused by firearm missiles
A145	E916-E921, E923-E928	Accidents mainly of industrial type
A146	E900-E909, E911-E915, E929-E949	All other accidents
A147	E950-E959	Suicide and self inflicted injury
A148	E960-E978	Homicide and injury purposely inflicted by other persons; legal intervention
A149	E980-E989	Injury undetermined whether accidentally or purposely inflicted
A150	E990-E999	Injury resulting from operations of war
S47	E800-E949	All accidental causes (Only applied for Poland 1972-1979 where the data do not contain a breakdown of all accidental causes by A138-A146).
CH17	E800-E999	CHAPTER XVII – Accidents, Poisoning, and Violence (Only applied for some countries-years when the data do not contain a breakdown of all external causes by A138-A150).
	140	MN of lip
	141	MN of tongue
	142	MN of salivary gland
	143	MN of gum
	1431	MN of lower gum
	144	MN of floor of mouth
	145	MN of other and unspecified parts of mouth
	146	MN neoplasm of oropharynx
	147	MN of nasopharynx
	148	MN of hypopharynx
	149	MN of pharynx, unspecified
	150	MN of oesophagus
	151	MN of stomach
	152	MN of small intestine, including duodenum
	153	MN of large intestine, except rectum
	154	MN of rectum and rectosigmoid junction
	155	MN of liver and intrahepatic bile ducts, specified as primary
	156	MN of gallbladder and bile ducts
	157	MN of pancreas
	158	MN of peritoneum and retroperitoneal tissue



ICD-8 A-LIST (condensed)	Detailed List Numbers	Cause
	159	MN of unspecified digestive organs
	160	MN of nose, nasal cavities, middle ear and accessory sinuses
	161	MN of larynx
	162	MN of trachea, bronchus and lung
	163	MN of other and unspecified respiratory organs
	1630	MN of pleura
	170	MN of bone
	171	MN of connective and other soft tissue
	172	Malignant melanoma of skin
	1725	MN of scrotum
	173	Other malignant neoplasm of skin
	1735	Other malignant neoplasm of scrotum
	174	MN of breast
	180	MN of cervix uteri
	181	Chorionepithelioma
	182	Other malignant neoplasm of uterus
	1820	Other malignant neoplasm of corpus uteri
	183	MN of ovary, fallopian tube and broad ligament
	184	MN of other and unspecified female genital organs
	185	MN of prostate
	186	MN of testis
	187	MN of other and unspecified male genital organs
	188	MN of bladder
	189	MN of other and unspecified urinary organs
	1890	MN of kidney, except pelvis
	1891	MN of pelvis of kidney
	1892	MN of ureter
	1899	MN of other and unspecified
	190	MN of eye
	191	MN of brain
	192	MN of other parts of nervous system
	1920	MN of cranial nerves (including optic)
	1921	MN of cerebral meninges
	1922	MN of spinal cord
	1925	MN of sympathetic nervous system
	193	MN of thyroid gland
	194	MN of other endocrine glands
	195	MN of ill-defined sites
	196	Secondary and unspecified malignant neoplasm of lymph nodes
	197	Secondary malignant neoplasm of respiratory and digestive systems
	1970	Lung specified as secondary
	1971	Mediastinum, specified as secondary
	1972	Pleura, specified as secondary
	1973	Other respiratory organs, specified as secondary
	1974	Small intestine, including duodenum, specified as secondary
	1975	Large intestine and rectum, specified as secondary
	1976	Peritoneum, specified as secondary
	1977	Liver, specified as secondary
	1978	Liver, unspecified
	1979	Other digestive organs, specified as secondary
	198	Other secondary malignant neoplasm
	199	MN without specification of site

ICD-8 A-LIST (condensed)	Detailed List Numbers	Cause
	200	Lymphosarcoma and reticulum-cell sarcoma
	2000	Reticulum-cell sarcoma
	2001	Lymphosarcoma
	201	Hodgkin's disease
	202	Other neoplasms of lymphoid tissue
	2020	Giant follicular lymphoma
	2021	Mycosis fungoides
	2022	Other primary malignant neoplasms of lymphoid tissue
	2029	Other forms of lymphoma
	203	Multiple myeloma
	204	Lymphatic leukaemia
	205	Myeloid leukaemia
	206	Monocytic leukaemia
	207	Other and unspecified leukaemia
	208	Polycythaemia vera
	209	Myelofibrosis
	210	Benign neoplasm of buccal cavity and pharynx
	211	Benign neoplasm other parts of digestive system
	212	Benign neoplasm of respiratory system
	213	Benign neoplasm of bone and cartilage
	214	Lipoma
	215	Other benign neoplasm of muscular and connective tissue
	216	Benign neoplasm of skin
	217	Benign neoplasm of breast
	218	Uterine fibroma
	219	Other benign neoplasm of uterus
	220	Benign neoplasm of ovary
	221	Benign neoplasm of other female genital organs
	222	Benign neoplasm of male genital organs
	223	Benign neoplasm of kidney and other urinary organs
	224	Benign neoplasm of eye
	225	Benign neoplasm of brain and other parts of nervous system
	226	Benign neoplasm of endocrine glands
	227	Haemangioma and lymphangioma
	228	Benign neoplasm of other and unspecified organs and tissues
	230	Neoplasm of unspecified nature of digestive organs
	231	Neoplasm of unspecified nature of respiratory organs
	232	Neoplasm of unspecified nature of skin and musculoskeletal system
	233	Neoplasm of unspecified nature of breast
	234	Neoplasm of unspecified nature of uterus
	235	Neoplasm of unspecified nature of ovary
	236	Neoplasm of unspecified nature of other female genital organs
	237	Neoplasm of unspecified nature of other genito-urinary organs
	238	Neoplasm of unspecified nature of eye, brain and other parts of nervous system
	239	Neoplasm of unspecified nature of other and unspecified organs

**Table 4. ICD 8 B-List (condensed)**

ICD-8 B-LIST (condensed)	Detailed List Numbers	Cause
B000		All causes
B001	000	Cholera
B002	001	Typhoid fever
B003	004, 006	Bacillary dysentery and amoebiasis
B004	008, 009	Enteritis and other diarrhoeal diseases
B005	010-012	Tuberculosis of respiratory system
B006	013-019	Other tuberculosis, including late effects
B007	020	Plague
B008	032	Diphtheria
B009	033	Whooping cough
B010	034	Streptococcal sore throat and scarlet fever
B011	036	Meningococcal infection
B012	040-043	Acute poliomyelitis
B013	050	Smallpox
B014	055	Measles
B015	080-083	Typhus and other rickettsioses
B016	084	Malaria
B017	090-097	Syphilis and its sequelae
B018	Remainder of 000-136	All other infective and parasitic diseases
B019	140-209	Malignant neoplasms, including neoplasms of lymphatic and haematopoietic tissue
B020	210-239	Benign neoplasms and neoplasms of unspecified nature
B021	250	Diabetes mellitus
B022	260-269	Avitaminoses and other nutritional deficiency
B023	280-285	Anaemias
B024	320	Meningitis
B025	390-392	Active rheumatic fever
B026	393-398	Chronic rheumatic heart disease
B027	400-404	Hypertensive disease
B028	410-414	Ischaemic heart disease
B029	420-429	Other forms of heart disease
B030	430-438	Cerebrovascular disease
B031	470-474	Influenza
B032	480-486	Pneumonia
B033	490-493	Bronchitis, emphysema and asthma
B034	531-533	Peptic ulcer
B035	540-543	Appendicitis
B036	550-553, 560	Intestinal obstruction and hernia
B037	571	Cirrhosis of liver
B038	580-584	Nephritis and nephrosis
B039	600	Hyperplasia of prostate
B040	640-645	Abortion
B041	630-639, 650-678	Other complications of pregnancy, childbirth and the puerperium. Delivery without mention of complication
B042	740-759	Congenital anomalies
B043	764-768, 772, 776	Birth injury, difficult labour and other anoxic and hypoxic conditions

<b>ICD-8 B-LIST (condensed)</b>	<b>Detailed List Numbers</b>	<b>Cause</b>
B044	760-763, 769-771, 773-775, 777-779	Other causes of perinatal mortality
B045	780-796	Symptoms and ill-defined conditions
B046	Remainder of 240-738	All other diseases
B047	E810-E823	Motor vehicle accidents
B048	E800-E807, E825-E949	All other accidents
B049	E950-E959	Suicide and self-inflicted injuries
B050	E960-E999	All other external causes

**Table 5. ICD 9 BTL (Basic Tabulation List) and some detailed codes**

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B00		All causes
B01	001-009	Intestinal infectious diseases
B010	001	Cholera
B011	002.0	Typhoid fever
B012	004	Shigellosis
B013	003, 005	Food poisoning
B014	006	Amoebiasis
B015	007, 008	Intestinal infections due to other specified organism
B016	009	Ill-defined intestinal infections
B019		Remainder of B01
B02	010-018	Tuberculosis
B020	011	Pulmonary tuberculosis
B021	010, 012	Other respiratory tuberculosis
B022	013	Tuberculosis of meninges and central nervous system
B023	014	Tuberculosis of intestines, peritoneum and mesenteric glands
B024	015	Tuberculosis of bones and joints
B025	016	Tuberculosis of genitourinary system
B029		Remainder of B02
B03	020-041	Other bacterial diseases
B030	020	Plague
B031	023	Brucellosis
B032	030	Leprosy
B033	032	Diphtheria
B034	033	Whooping cough
B035	034, 035	Streptococcal sore throat, scarlatina and erysipelas
B036	036	Meningococcal infection
B037	037	Tetanus
B038	038	Septicaemia
B039		Remainder of B03
B04	045-079	Viral diseases
B040	045	Acute poliomyelitis
B041	050	Smallpox
B042	055	Measles
B043	056	Rubella
B044	060	Yellow fever
B045	062-064	Arthropod-borne encephalitis
B046	070	Viral hepatitis
B047	071	Rabies
B048	076	Trachoma
B049		Remainder of B04
B05	080-088	Rickettsiosis and other arthropod-borne diseases
B050	080	Louse-borne typhus
B051	081-083	Other rickettsiosis
B052	084	Malaria
B053	085	Leishmaniasis
B054	086	Trypanosomiasis
B059		Remainder of B05

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B06	090-099	Venereal diseases
B060	090-097	Syphilis
B061	098	Gonococcal infections
B069		Remainder of B06
B07	100-139	Other infectious and parasitic diseases and late effects of infectious and parasitic diseases
B070	100-104	Non-syphilitic spirochaetal diseases
B071	110-118	Mycosis
B072	120	Schistosomiasis
B073	122	Echinococcosis
B074	125	Filarial infection and dracontiasis
B075	126	Ancylostomiasis and necatoriasis
B076	121, 123, 124, 127-129	Other helminthiasis
B077	137	Late effects of tuberculosis
B078	138	Late effects of acute poliomyelitis
B079		Remainder of B07
B08	140-149	Malignant neoplasm of lip, oral cavity and pharynx
B09	150-159	Malignant neoplasm of digestive organs and peritoneum
B090	150	Malignant neoplasm of oesophagus
B091	151	Malignant neoplasm of stomach
B092	152	Malignant neoplasm of small intestine, including duodenum
B093	153	Malignant neoplasm of colon
B094	154	Malignant neoplasm of rectum, rectosigmoid junction and anus
B095	155.0	Malignant neoplasm of liver, specified as primary
B096	157	Malignant neoplasm of pancreas
B099		Remainder of B09
B10		Malignant neoplasm of respiratory and intrathoracic organs 160-165
B100	161	Malignant neoplasm of larynx
B101	162	Malignant neoplasm of trachea, bronchus and lung
B109		Remainder of B10
B11	170-175	Malignant neoplasm of bone, connective tissue, skin and breast
B110	170	Malignant neoplasm of bone and articular cartilage
B111	172	Malignant melanoma of skin
B112	173	Other malignant neoplasm of skin
B113	174	Malignant neoplasm of female breast
B119		Remainder of B11
B12	179-189	Malignant neoplasm of genitourinary organs
B120	180	Malignant neoplasm of cervix uteri
B121	181	Malignant neoplasm of placenta
B122	179, 182	Malignant neoplasm of uterus, other and unspecified
B123	183	Malignant neoplasm of ovary and other uterine adnexa
B124	185	Malignant neoplasm of prostate
B125	186	Malignant neoplasm of testis
B126	188	Malignant neoplasm of bladder
B129		Remainder of B12
B13	190-199	Malignant neoplasm of other and unspecified sites
B130	191	Malignant neoplasm of brain
B139		Remainder of B13
B14	200-208	Malignant neoplasm of lymphatic and haemopoietic tissue
B140	201	Hodgkin's disease

<b>ICD-9 BTL (Basic Tabulation List) LIST)</b>	<b>Detailed List Numbers</b>	<b>Cause</b>
B141	204-208	Leukaemia
B149		Remainder of B14
B15	210-229	Benign neoplasm
B150	216	Benign neoplasm of skin
B151	217	Benign neoplasm of breast
B152	218, 219	Benign neoplasm of uterus
B153	220	Benign neoplasm of ovary
B154	223	Benign neoplasm of kidney and other urinary organs
B155	225	Benign neoplasm of nervous system
B156	226	Benign neoplasm of thyroid
B159		Remainder of B15
B16	230-234	Carcinoma in situ
B17	235-239	Other and unspecified neoplasm
B18	240-259, 270-279	Endocrine and metabolic diseases, immunity disorders
B180	240-246	Disorders of thyroid gland
B181	250	Diabetes mellitus
B182	272.0, 272.1	Hyperlipoproteinaemia
B183	278.0	Obesity of non-endocrine origin
B184	279.5	Human immunodeficiency virus [HIV] disease [AIDS]
B185	2796	AIDS-related complex
B189		Remainder of B18
B19	260-269	Nutritional deficiencies
B190	260	Kwashiorkor
B191	261	Nutritional marasmus
B192	262, 263	Other protein-calorie malnutrition
B193	264-269	Avitaminosis
B199		Remainder of B19
B20	280-289	Diseases of blood and blood-forming organs
B200	280-285	Anaemias
B209		Remainder of B20
B21	290-319	Mental disorders
B210	290	Senile and presenile organic psychotic conditions
B211	295	Schizophrenic psychoses
B212	296	Affective psychoses
B213	291-294, 297-299	Other psychoses
B214	300, 301	Neurotic and personality disorders
B215	303	Alcohol dependence syndrome
B216	304	Drug dependence
B217	306	Physiological malnutrition arising from mental factors
B218	317-319	Mental retardation
B219		Remainder of B21
B22	320-359	Diseases of the nervous system
B220	320-322	Meningitis
B221	332	Parkinson's disease
B222	330, 331, 333-336	Other degenerative and hereditary disorders of the central nervous system
B223	340	Multiple sclerosis
B224	343, 344	Infantile cerebral palsy and other paralytic syndromes
B225	345	Epilepsy
B229		Remainder of B22
B23	360-379	Disorders of the eye and adnexa

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B230	365	Glaucoma
B231	366	Cataract
B232	369	Blindness and low vision
B233	372.0-372.3	Conjunctivitis
B234	375	Disorders of lacrimal system
B235	378	Strabismus and other disorders of binocular eye movements
B239		Remainder of B23
B24	380-389	Diseases of the ear and mastoid process
B240	381-383	Otitis media and mastoiditis
B241	389	Deafness
B249		Remainder of B24
B25	390-398	Rheumatic fever and rheumatic heart disease
B250	390-392	Acute rheumatic fever
B251	393-398	Chronic rheumatic heart disease
B259		Remainder of B25
B26	401-405	Hypertensive disease
B260	402, 404	Hypertensive heart disease
B269		Remainder of B26
B27	410-414	Ischaemic heart disease
B270	410	Acute myocardial infarction
B279		Remainder of B27
B28	415-429	Diseases of pulmonary circulation and other forms of heart disease
B280	415.1	Pulmonary embolism
B281	427	Cardiac dysrhythmias
B289		Remainder of B28
B29	430-438	Cerebrovascular disease
B290	430	Subarachnoid haemorrhage
B291	431, 432	Intracerebral and other intracranial haemorrhage
B292	433, 434	Cerebral infarction
B293	436	Acute but ill-defined cerebrovascular disease
B294	437.0	Cerebral atherosclerosis
B299		Remainder of B29
B30	440-459	Other diseases of the circulatory system
B300	440	Atherosclerosis
B301	444	Arterial embolism and thrombosis
B302	441-443, 446-448	Other diseases of arteries, arterioles and capillaries
B303	451-453	Phlebitis, thrombophlebitis, venous embolism and thrombosis
B304	454	Varicose veins of lower extremities
B305	455	Haemorrhoids
B309		Remainder of B30
B31	460-465, 470-478	Diseases of the upper respiratory tract
B310	463	Acute tonsillitis
B311	464	Acute laryngitis and tracheitis
B312	460-462, 465	Other acute upper respiratory infections
B313	470, 471	Deflected nasal septum and nasal polyps
B314	472, 473	Chronic pharyngitis, nasopharyngitis and sinusitis
B315	474	Chronic diseases of tonsils and adenoids
B319		Remainder of B31
B32	466, 480-519	Other diseases of the respiratory system
B320	466	Acute bronchitis and bronchiolitis
B321	480-486	Pneumonia



ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B322	487	Influenza
B323	490-493	Bronchitis, chronic and unspecified, emphysema and asthma
B324	494	Bronchiectasis
B325	495, 496	Other chronic obstructive pulmonary disease
B326	500-508	Pneumoconiosis and other lung disease due to external agents
B327	511	Pleurisy
B329		Remainder of B32
B33	520-529	Diseases of oral cavity, salivary glands and jaws
B330	520-525	Diseases of teeth and supporting structures
B331	526	Diseases of the jaws
B339		Remainder of B33
B34	530-579	Diseases of other parts of the digestive system
B340	530	Diseases of oesophagus
B341	531-533	Ulcer of stomach and duodenum
B342	540-543	Appendicitis
B343	550-553	Hernia of abdominal cavity
B344	560	Intestinal obstruction without mention of hernia
B345	562	Diverticula of intestine
B346	564	Other functional digestive disorders
B347	571	Chronic liver disease and cirrhosis
B348	574-575.1	Cholelithiasis and cholecystitis
B349		Remainder of B34
B35	580-599	Diseases of urinary system
B350	580-589	Nephritis, nephrotic syndrome and nephrosis
B351	590	Infections of kidney
B352	592, 594	Urinary calculus
B353	595	Cystitis
B359		Remainder of B35
B36	600-608	Diseases of male genital organs
B360	600	Hyperplasia of prostate
B361	603	Hydrocele
B362	605	Redundant prepuce and phimosis
B363	606	Infertility, male
B369		Remainder of B36
B37	610-629	Diseases of female genital organs
B370	610, 611	Diseases of breast
B371	614.0-614.2	Salpingitis and oophoritis
B372	614.3-614.9	Inflammatory diseases of pelvic cellular tissue and peritoneum
B373	615, 616	Inflammatory diseases of uterus, vagina and vulva
B374	618	Uterovaginal prolapse
B375	626.0-626.5	Menstrual disorders
B376	628	Infertility, female
B379		Remainder of B37
B38	630-639	Abortion
B380	634	Spontaneous abortion
B381	635	Legally induced abortion
B382	636	Illegally induced abortion
B389		Remainder of B38
B39	640-646, 651-676	Direct obstetric causes
B390	640, 641, 666	Haemorrhage of pregnancy and childbirth
B391	642.4-642.9, 643	Toxaemia of pregnancy

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B392	646.6	Infections of genitourinary tract in pregnancy
B393	660	Obstructed labour
B394	670-676	Complications of the puerperium
B399		Remainder of B39
B40	647, 648	Indirect obstetric causes
B41	650	Normal delivery
B42	680-709	Diseases of skin and subcutaneous tissue
B420	680-686	Infections of skin and subcutaneous tissue
B429		Remainder of B42
B43	710-739	Diseases of the musculoskeletal system and connective tissue
B430	714	Rheumatoid arthritis, except spine
B431	710-713, 715, 716	Other arthropathies
B432	717-719	Other disorders of joints
B433	720.0	Ankylosing spondylitis
B434	720.1-724	Other dorsopathies;
B435	725-729	Rheumatism, excluding the back
B436	730	Osteomyelitis, periostitis and other infections involving bone
B437	734-736	Acquired deformities of limbs
B439		Remainder of B43
B44	740-759	Congenital anomalies
B440	741, 742.3	Spina bifida and hydrocephalus
B441	740, 742.0-742.2, 742.4-742.9	Other deformities of central nervous system
B442	745-747	Congenital anomalies of heart and circulatory system
B443	749	Cleft palate and cleft lip
B444	750, 751	Other deformities of digestive system
B445	752.5	Undescended testicle
B446	754.3	Congenital dislocation of hip
B447	754.0-754.2, 754.4-756	Other congenital anomalies of musculoskeletal system
B449		Remainder of B44
B45	760-779	Certain conditions originating in the perinatal period
B450	760	Maternal conditions affecting fetus or newborn
B451	761-763	Obstetric complications affecting fetus or newborn
B452	764, 765	Slow fetal growth, fetal malnutrition and immaturity
B453	767	Birth trauma
B454	768-770	Hypoxia, birth asphyxia and other respiratory conditions
B455	773	Haemolytic disease of fetus or newborn
B459		Remainder of B45
B46	780-799	Signs, symptoms and ill-defined conditions
B460	780.6	Pyrexia of unknown origin
B461	785.0-785.3	Symptoms involving heart
B462	788.0	Renal colic
B463	788.2	Retention of urine
B464	789.0	Abdominal pain
B465	797	Senility without mention of psychosis
B466	798.0	Sudden infant death syndrome
B467	799.1	Respiratory failure
B469		Remainder of B46
B47	E800-E848	Transport accidents
B470	E800-E807	Railway accidents

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B471	E810-E819	Motor vehicle traffic accidents
B472	E826-E829	Other road vehicle accidents
B473	E830-E838	Water transport accidents
B474	E840-E845	Air and space transport accidents
B479		Remainder of B47
B48	E850-E869	Accidental poisoning
B480	E850-E858	Accidental poisoning by drugs, medicaments and biologicals
B481	E860-E866	Accidental poisoning by other solid and liquid substances
B482	E867-E869	Accidental poisoning by gases and vapours
B49	E870-E879	Misadventures during medical care, abnormal reactions, late complications
B50	E880-E888	Accidental falls
B51	E890-E899	Accidents caused by fire and flames
B52	E900-E929	Other accidents, including late effects
B520	E900-E909	Accidents due to natural and environmental factors
B521	E910	Accidental drowning and submersion
B522	E914, E915	Foreign body accidentally entering orifice
B523	E919, E920	Accidents caused by machinery, and by cutting and piercing instruments
B524	E922	Accidents caused by firearm missile
B529		Remainder of B52
B53	E930-E949	Drugs, medicaments causing adverse effects in therapeutic use
B54	E950-E959	Suicide and self-inflicted injury
B55	E960-E969	Homicide and injury purposely inflicted by other persons
B56	E970-E999	Other violence
B560	E980-E989	Injury undetermined whether accidentally or purposely inflicted
B561	E990-E999	Injury resulting from operation of war
B569		Remainder of B56
S47		All accidental causes (Only applied for Bahamas 1983 where the data do not contain a breakdown of all accidental causes by B47-B52).
CH17		CHAPTER XVII – Injury and Poisoning (Only applied for some countries-years when the data do not contain a breakdown of all external causes by B47-B56).
	140	MN OF LIP
	141	MN OF TONGUE
	1410	MN OF BASE OF TONGUE
	142	MN OF MAJOR SALIVARY GLANDS
	143	MN OF GUM
	144	MN OF FLOOR OF MOUTH
	145	MN OF OTHER AND UNSPECIFIED PARTS OF MOUTH
	146	MN OF OROPHARYNX
	1460	MN OF TONSIL
	147	MN OF NASOPHARYNX
	148	MN OF HYPOPHARYNX
	149	MN OF OTHER AND ILL-DEFINED SITES WITHIN THE LIP ETC.
	1533	MN OF SIGMOID COLON
	1540	MN OF RECTOSIGMOID JUNCTION
	1541	MN OF RECTUM
	1551	MN OF INTRAHEPATIC BILE DUCTS

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
	1552	MN OF LIVER, NOT SPECIFIED AS PRIMARY OR SECONDARY
	156	MN OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS
	1560	MN OF GALLBLADDER
	158	MN OF RETROPERITONEUM AND PERITONEUM
	159	MN OF OTHER SITES WITHIN THE DIGESTIVE ORGANS ETC.
	160	MN OF NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES
	1600	MN OF NASAL CAVITIES
	1602	MN OF MAXILLARY SINUS
	1610	MN OF GLOTTIS
	163	MN OF PLEURA
	164	MN OF THYMUS, HEART AND MEDIASTINUM
	165	MN OF OTHER SITES WITHIN THE RESPIRATORY SYSTEM ETC.
	171	MN OF CONNECTIVE AND OTHER SOFT TISSUE
	175	MN OF MALE BREAST
	179	MN OF UTERUS, PART UNSPECIFIED
	182	MN OF BODY OF UTERUS
	1830	MN OF OVARY
	184	MN OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS
	187	MN OF PENIS AND OTHER MALE GENITAL ORGANS
	1877	MN OF SCROTUM
	189	MN OF KIDNEY AND OTHER UNSPECIFIED URINARY ORGANS
	1890	MN OF KIDNEY, EXCEPT PELVIS
	1891	MN OF RENAL PELVIS
	1892	MN OF URETER
	190	MN OF EYE
	192	MN OF OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM
	193	MN OF THYROID GLAND
	194	MN OF OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES
	195	MN OF OTHER AND ILL-DEFINED SITES
	196	SECONDARY AND UNSPECIFIED MN OF LYMPH NODES
	197	SECONDARY MN OF RESPIRATORY AND DIGESTIVE SYSTEM
	198	SECONDARY MN OF OTHER SPECIFIED SITES
	199	MN WITHOUT SPECIFICATION OF SITE
	200	LYMPHOSARCOMA AND RETICULOSARCOMA
	2000	RETICULOSARCOMA
	2001	LYMPHOSARCOMA
	2002	BURKITT'S TUMOUR
	202	OTHER MN OF LYMPHOID AND HISTIOCYTIC TISSUE
	203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS
	2030	MULTIPLE MYELOMA
	204	LYMPHOID LEUKAEMIA
	2040	ACUTE LYMPHOID LEUKAEMIA
	205	MYELOID LEUKAEMIA

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
	2050	ACUTE MYELOID LEUKAEMIA
	206	MONOCYTIC LEUKAEMIA
	207	OTHER SPECIFIED LEUKAEMIA
	208	LEUKAEMIA OF UNSPECIFIED CELL TYPE
	235	NEOPLASM OF UNCERTAIN BEHAVIOUR OF DIGESTIVE ETC. SYSTEMS
	236	NEOPLASM OF UNCERTAIN BEHAVIOUR OF GENITOURINARY ORGANS
	237	NEOPLASM OF UNCERTAIN BEHAVIOUR OF ENDOCRINE GLANDS ETC.
	238	NEOPLASM OF UNCERTAIN BEHAVIOUR OF OTHER SITES ETC.
	239	NEOPLASM OF UNSPECIFIED NATURE
	415+ (415.0, 417)	OTHER DISEASES OF PULMONARY CIRCULATION
	416	CHRONIC PULMONARY HEART DISEASE
	420+ (420-426, 428-429)	OTHER FORMS OF HEART DISEASES

## Table 6. Additional ICD9 BTL codes for specific countries

In addition to the ICD9 BTL codes (see Table 5 above), the following cause of death codes are uniquely used for Armenia, Belarus, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Russian Federation, Ukraine and the former USSR for some years.

<b>BTL items - detailed items</b>	<b>Corresponding code</b>	<b>Description</b>
B01-B07	CH01	Infectious and Parasitic Diseases
B08-B17	CH02	Neoplasms
B18,B19	CH03	Endocrine, Nutritional and Metabolic Diseases
B20	CH04	Diseases of the Blood and Blood-forming Organs
B21	CH05	Mental Disorders
B22-B24	CH06	Diseases of the Nervous System and Sense Organs
B25-B30	CH07	Diseases of the Circulatory System
B31, B32	CH08	Diseases of the Respiratory System
B33, B34	CH09	Diseases of the Digestive System
B35-B37	CH10	Diseases of the Genitourinary System
B38-B41	CH11	Obstetric Complications
B42	CH12	Diseases of the Skin and Subcutaneous Tissue
B43	CH13	Diseases of the Musculoskeletal System and Connective Tissue
B44	CH14	Congenital Anomalies
B45	CH15	Certain Conditions originating in the Perinatal Period
B46	CH16	Symptoms, Signs and Ill-defined Conditions
B47-B56	CH17	External Causes
B020, B021	S020	Respiratory Tuberculosis
B06-B07	S06	Venereal and other Infectious and Parasitic Diseases
B08-B14	S08	Malignant Neoplasms
B15-B17	S15	Benign and Unspecified Neoplasms and Carcinoma in situ
B300-B302	S300	Atherosclerosis and other Arterial Diseases
B310-312,B320	S310	Acute Respiratory Diseases
B343,B344	S343	Hernia and Intestinal Obstruction
570-573, 576, 575.2 - 579.9	S347	Cirrhosis and other Digestive Disorders
B47-B53	S47	Accidents and Adverse Effects
B010, B012-B016, B019	S019	Rest of B01
B022-B025, B029	S029	Rest of B02
B030-B033, B035, B039	S039	Rest of B03
B040, B041, B043-B049	S049	Rest of B04
B050, B051, B053, B054, B059	S059	Rest of B05
B140,B149	S149	Rest of B14
B180, B182, B183, B189, B19	S189	Rest of B18, B19
B221, B222, B224, B229, B23, B24	S229	Rest of B22, B23, B24
B304, B305, B309	S309	Rest of B30
B313-B315, B319, B324-B327, B329	S329	Rest of B31, B32
B33, B340,B345, B346, B349	S349	Rest of B33, B34

<b>BTL items - detailed items</b>	<b>Corresponding code</b>	<b>Description</b>
B352, B353, B359, B361-B363, B369, B37	S359	Rest of B35, B36, B37
B392-B394, B399, B40, B41	S399	Rest of B39, B40, B41
B441, B443-B447, B449	S449	Rest of B44
B450-B452, B454, B455, B459	S459	Rest of B45
B460-B464, B466, B467, B469	S469	Rest of B46
B470, B479, B472-B474	S479	Rest of B47
	S08x	Rest of B08 - B13

## Table 7. Codes for China data

The data for China are coded according to the codes in the left column

Warning to users: Data for China are only for selected urban and rural areas and represent **less than 10%** of all deaths occurring in the country.

<b>CODE</b>	<b>ICD-9 detailed list numbers</b>	<b>Cause of Death</b>
C001		All causes
C002	01-139	Infectious and parasitic diseases
C003	001-005, 008-083, 087-118, 130, 137, 138, part of 136, 139	Selected infectious diseases
C004	002	Typhoid and paratyphoid fevers
C005	004	Shigellosis
C006	001, 003, 005, 008, 009	Other intestinal infectious diseases
C007	011	Pulmonary tuberculosis
C008	010, 012-018	Tuberculosis, other forms
C009	033	Whooping cough
C010	036.0	Meningococcal meningitis
C011	037	Tetanus
C012	038	Septicaemia
C013	055	Measles
C014	062.0	Japanese encephalities
C015	065, 078.6	Viral haemorrhagic fever
C016	070	Viral hepatitis
C017	100	Leptospirosis
C018	006-007, 084-086, 120-129, 131-135, part of 136, 139	Parasitic diseases
C019	084	Malaria
C020	120	Schistosomiasis
C021	140-239	Neoplasms
C022	140-208, 230-234	Malignant neoplasms
C023	147, 230.0	Mal. neoplasms of nasopharynx
C024	150, 230.1	Mal. neoplasms of oesophagus
C025	151, 230.2	Mal. neoplasm of stomach

<b>CODE</b>	<b>ICD-9 detailed list numbers</b>	<b>Cause of Death</b>
C026	153-154, 230.3-230.6	Mal. neoplasm of colon, rectum, rectosigmoid junction and anus
C027	155, 230.8	Mal. neoplasm of liver
C028	162, 231.1-231.2	Mal. neoplasm of trachea, bronchus and lung
C029	174, 233.0	Mal. neoplasm of female breast
C030	180, 233.1	Mal. neoplasm of cervix uteri
C031	188, 233.7	Malign neoplasm of bladder
C032	204-208	Leukaemia
C033	210-229	Benign neoplasms
C034	240-279	Endocrine, nutritional and metabolic diseases
C035	250	Diabetes mellitus
C036	280-289	Diseases of blood and blood-forming organs
C037	280-285	Anaemias
C038	290-319	Mental disorders
C039	320-359	Diseases of the nervous system
C040	320-322	Meningitis
C041	390-459	Diseases of the circulatory system
C042	390-392	Acute rheumatic fever
C043	393-398, 402, 404, 410-416, 420-429	Heart diseases
C044	393-398	Chronic rheumatic heart disease
C045	402, 404	Hypertensive heart disease
C046	410	Acute myocardial infarction
C047	411-414	Other ischaemic heart disease
C048	415, 416	Pulmonary heart disease
C049	420-429	Other forms of heart disease
C050	401, 403	Other hypertensive disease
C051	430-438	Cerebrovascular disease
C052	460-519	Disease of the respiratory system
C053	480-486	Pneumonia
C054	490-493	Bronchitis, chronic and unspecified emphysema and asthma
C055	500-505	Pneumoconioses
C056	520-579	Disease of digestive system
C057	531-533	Ulcer of stomach and duodenum
C058	540-543	Appendicitis
C059	560	Intestinal obstruction
C060	571	Chronic liver disease and cirrhosis
C061	580-629	Disease of genitourinary system
C062	580-589	Nephritis, nephrotic syndrome and nephrosis
C063	600	Hyperplasia of prostate
C064	630-676	Complications of pregnancy, childbirth and puerperium
C065	630-646, 651-676	Direct obstetric causes
C066	630-638	Abortion
C067	642.4-643	Toxaemia of pregnancy
C068	664, 665, 674.1-674.3	Obstetrical trauma
C069	670, 672, 675	Infections of the puerperium
C070	666	Postpartum haemorrhage
C071	710-739	Diseases of the musculoskeletal system and connective tissue
C072	740-759	Congenital anomalies
C073	745, 746	Congenital anomalies of heart



<b>CODE</b>	<b>ICD-9 detailed list numbers</b>	<b>Cause of Death</b>
C074	760-779	Certain conditions originating in the perinatal period
C075	764, 765	Slow fetal growth, fetal malnutrition and immaturity
C076	767-770	Birth trauma, hypoxia, birth asphyxia and other respiratory conditions
C077	771.3	Tetanus neonatorum
C078	773	Haemolytic disease of foetus or newborn
C079	778.1	Sclerema neonatorum
C080	360-389, 680-709, 780-796	Other specified diseases and symptoms
C081	797-799	Ill-defined and unknown causes
C089	E800-E999	External causes of injury and poisoning
C090	E810-E819	Motor vehicle traffic accidents
C091	E800-E807	Other transport accidents
C092	E850-E869	Accidental poisoning
C093	E880-E888	Accidental falls
C094	E890-E899	Accidents caused by fire and flames
C095	E900-E909	Accidents due to natural and environmental factors
C096	E910	Accidental drowning and submersion
C097	E913	Accidental mechanical suffocation
C098	E916	Struck accidentally by falling object
C099	E919, E920	Accidents caused by machinery and by cutting and piercing instruments
C100	E925	Accidents caused by electric current
C101		Other accidents, adverse and late effects
C102	E950-E959	Suicide and self-inflicted injury
C103	E960-E969	Homicide and injury purposely inflicted by other persons

**Table 8. ICD 10 Mortality Tabulation List 1**

<b>Code</b>	<b>Detailed List Numbers</b>	<b>Cause</b>
1000		All causes
1001	A00-B99	Certain infectious and parasitic diseases
1002	A00	Cholera
1003	A09	Diarrhoea and gastroenteritis of presumed infectious origin
1004	A01-A08	Other intestinal infectious diseases
1005	A15-A16	Respiratory tuberculosis
1006	A17-A19	Other tuberculosis
1007	A20	Plague
1008	A33-A35	Tetanus
1009	A36	Diphtheria
1010	A37	Whooping cough

Code	Detailed List Numbers	Cause
1011	A39	Meningococcal infection
1012	A40-A41	Septicaemia
1013	A50-A64	Infections with a predominantly sexual mode of transmission
1014	A80	Acute poliomyelitis
1015	A82	Rabies
1016	A95	Yellow fever
1017	A90-A94, A96-A99	Other arthropod-borne viral fevers and viral haemorrhagic fevers
1018	B05	Measles
1019	B15-B19	Viral hepatitis
1020	B20-B24	Human immunodeficiency virus [HIV] disease
1021	B50-B54	Malaria
1022	B55	Leishmaniasis
1023	B56-B57	Trypanosomiasis
1024	B65	Schistosomiasis
1025	A21-A32, A38, A42-A49, A65-A79, A81, A83-A89, B00-B04, B06-B09, B25-B49, B58-B64, B66-B94, B99	Remainder of certain infectious and parasitic diseases
1026	C00-D48	Neoplasms
1027	C00-C14	Malignant neoplasm of lip, oral cavity and pharynx
1028	C15	Malignant neoplasm of oesophagus
1029	C16	Malignant neoplasm of stomach
1030	C18-C21	Malignant neoplasm of colon, rectum and anus
1031	C22	Malignant neoplasm of liver and intrahepatic bile ducts
1032	C25	Malignant neoplasm of pancreas
1033	C32	Malignant neoplasm of larynx
1034	C33-C34	Malignant neoplasm of trachea, bronchus and lung
1035	C43	Malignant melanoma of skin
1036	C50	Malignant neoplasm of breast
1037	C53	Malignant neoplasm of cervix uteri
1038	C54-C55	Malignant neoplasm of other and unspecified parts of uterus
1039	C56	Malignant neoplasm of ovary
1040	C61	Malignant neoplasm of prostate
1041	C67	Malignant neoplasm of bladder
1042	C70-C72	Malignant neoplasm of meninges, brain and other parts of central nervous system
1043	C82-C85	Non-Hodgkin's lymphoma
1044	C90	Multiple myeloma and malignant plasma cell neoplasms
1045	C91-C95	Leukaemia

Code	Detailed List Numbers	Cause
1046	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C66, C68-C69, C73-C81, C88, C96-C97	Remainder of malignant neoplasms
1047	D00-D48	Remainder of neoplasms
1048	D50-D89	Diseases of the blood and blood-forming organs and certain disorders involv
1049	D50-D64	Anaemias
1050	D65-D89	Remainder of diseases of the blood and blood-forming organs and certain dis
1051	E00-E88	Endocrine, nutritional and metabolic diseases
1052	E10-E14	Diabetes mellitus
1053	E40-E46	Malnutrition
1054	E00-E07, E15-E34, E50-E88	Remainder of endocrine, nutritional and metabolic diseases
1055	F01-F99	Mental and behavioural disorders
1056	F10-F19	Mental and behavioural disorders due to psychoactive substance use
1057	F20-F99	Remainder of mental and behavioural disorders
1058	G00-G98	Diseases of the nervous system
1059	G00, G03	Meningitis
1060	G30	Alzheimer's disease
1061	G04-G25, G31-G98	Remainder of diseases of the nervous system
1062	H00-H57	Diseases of the eye and adnexa
1063	H60-H93	Diseases of the ear and mastoid process
1064	I00-I99	Diseases of the circulatory system
1065	I00-I09	Acute rheumatic fever and chronic rheumatic heart diseases
1066	I10-I13	Hypertensive diseases
1067	I20-I25	Ischaemic heart diseases
1068	I26-I51	Other heart diseases
1069	I60-I69	Cerebrovascular diseases
1070	I70	Atherosclerosis
1071	I71-I99	Remainder of diseases of the circulatory system
1072	J00-J98	Diseases of the respiratory system
1073	J10-J11	Influenza
1074	J12-J18	Pneumonia
1075	J20-J22	Other acute lower respiratory infections
1076	J40-J47	Chronic lower respiratory diseases
1077	J00-J06, J30-J39, J60-J98	Remainder of diseases of the respiratory system
1078	K00-K92	Diseases of the digestive system
1079	K25-K27	Gastric and duodenal ulcer
1080	K70-K76	Diseases of the liver
1081	K00-K22, K28-K66, K80-K92	Remainder of diseases of the digestive system
1082	L00-L98	Diseases of the skin and subcutaneous tissue

Code	Detailed List Numbers	Cause
1083	M00-M99	Diseases of the musculoskeletal system and connective tissue
1084	N00-N98	Diseases of the genitourinary system
1085	N00-N15	Glomerular and renal tubulo-interstitial diseases
1086	N17-N98	Remainder of diseases of the genitourinary system
1087	O00-O99	Pregnancy, childbirth and the puerperium
1088	O00-O07	Pregnancy with abortive outcome
1089	O10-O92	Other direct obstetric deaths
1090	O98-O99	Indirect obstetric deaths
1091	O95-O97	Remainder of pregnancy, childbirth and the puerperium
1092	P00-P96	Certain conditions originating in the perinatal period
1093	Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities
1094	R00-R99	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere
1095	V01-Y89	External causes of morbidity and mortality
1096	V01-V99	Transport accidents
1097	W00-W19	Falls
1098	W65-W74	Accidental drowning and submersion
1099	X00-X09	Exposure to smoke, fire and flames
1100	X40-X49	Accidental poisoning by and exposure to noxious substances
1101	X60-X84	Intentional self-harm
1102	X85-Y09	Assault
1103	W20-W64, W75-W99, X10-X39, X50-X59, Y10-Y89	All other external causes
1901	U049	Severe acute respiratory syndrome [SARS], unspecified
1902	U070	Vaping-related disorder
1903	U071 - U072	COVID-19

**Table 9. ICD 10 detailed codes (3<sup>rd</sup> and 4<sup>th</sup> characters)**

This list is no longer included here as it is too lengthy and is being regularly updated. Please consult our web site for the list of ICD10 detailed codes and regular updates.

<https://icd.who.int/browse10/2019/en>

**Note that cause "AAA" refers to total deaths from all causes combined.**

In the absence of data on detailed external causes, the codes **Y34** and **Y349** represent respectively the sum of all deaths due to external causes (V00-Y89) in countries reporting with list 103 and 104.

**Table 10. ICD 10 special list for Portugal (2004-2005)**

Code	Detailed codes	Cause
<b>CH00</b>	<b>A00-Y89</b>	<b>ALL CAUSES OF DEATH</b>
<b>CH01</b>	<b>A00-B99</b>	<b>CERTAIN INFECTIOUS AND PARASITIC DISEASES</b>
UE02	A15-A19, B90	Tuberculosis
UE03	A39	Meningococcal infection
UE04	B20-B24	AIDS (HIV disease)
UE05	B15-B19	Viral hepatitis
<b>CH02</b>	<b>C00-D48</b>	<b>NEOPLASMS</b>
UE07	C00-C97	Malignant neoplasms
UE08	C00-C14	of which malignant neoplasm of lip, oral cavity, pharynx
UE09	C15	of which malignant neoplasm of oesophagus
UE10	C16	of which malignant neoplasm of stomach
UE11	C18	of which malignant neoplasm of colon
UE12	C19-C21	of which malignant neoplasm of rectum and anus
UE13	C22	of which malignant neoplasm of liver and the intrahepatic bile ducts
UE14	C25	of which malignant neoplasm of pancreas
UE15	C32-C34	of which malignant neoplasm of larynx and trachea/bronchus/lung
UE16	C43	of which malignant neoplasm of skin
UE17	C50	of which malignant neoplasm of breast
UE18	C53	of which malignant neoplasm of cervix uteri
UE19	C54-C55	of which malignant neoplasm of other parts of uterus
UE20	C56	of which malignant neoplasm of ovary
UE21	C61	of which malignant neoplasm of prostate
UE22	C64	of which malignant neoplasm of kidney
UE23	C67	of which malignant neoplasm of bladder
UE24	C81-C96	of which malignant neoplasm of lymph/haematopoietic tissue
<b>CH03</b>	<b>D50-D89</b>	<b>DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM</b>
<b>CH04</b>	<b>E00-E90</b>	<b>ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES</b>
UE27	E10-E14	Diabetes mellitus
<b>CH05</b>	<b>F00-F99</b>	<b>MENTAL AND BEHAVIOURAL DISORDERS</b>
UE29	F10	Mental and behavioural disorders due to the use of alcohol
UE30	F11-F16, F18-F19	Drug dependence, toxicomania
<b>CH06</b>	<b>G00-G99</b>	<b>DISEASES OF THE NERVOUS SYSTEM</b>
<b>CH07</b>	<b>H00-H59</b>	<b>DISEASES OF THE EYE AND ADNEXA</b>
<b>CH08</b>	<b>H60-H95</b>	<b>DISEASES OF THE EAR AND MASTOID PROCESS</b>
UE32	G00-G03	Meningitis (other than A39)
<b>CH09</b>	<b>I00-I99</b>	<b>DISEASES OF THE CIRCULATORY SYSTEM</b>
UE34	I20-I25	Ischaemic heart diseases
UE35	I30-I33, I39-I52	Other heart diseases
UE36	I60-I69	Cerebrovascular diseases
<b>CH10</b>	<b>J00-J99</b>	<b>DISEASES OF THE RESPIRATORY SYSTEM</b>
UE38	J10-J11	Influenza
UE39	J12-J18	Pneumonia

Code	Detailed codes	Cause
UE40	J40-J47	Chronic lower respiratory diseases
UE41	J45-J46	of which asthma
<b>CH11</b>	<b>K00-K93</b>	<b>DISEASES OF THE DIGESTIVE SYSTEM</b>
UE43	K25-K28	Ulcer of the stomach, duodenum and jejunum
UE44	K70, K73-K74	Chronic liver disease
<b>CH12</b>	<b>L00-L99</b>	<b>DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE</b>
<b>CH13</b>	<b>M00-M99</b>	<b>DISEASES OF THE MUSCULOSKELETAL SYSTEM/CONNECTIVE TISSUE</b>
UE47	M05-M06, M15-M19	Rheumatoid arthritis and osteoarthritis
<b>CH14</b>	<b>N00-N99</b>	<b>DISEASES OF THE GENITOURINARY SYSTEM</b>
UE49	N00-N29	Diseases of the kidney and ureter
<b>CH15</b>	<b>O00-O99</b>	<b>PREGNANCY, CHILDBIRTH AND THE PUERPERIUM</b>
<b>CH16</b>	<b>P00-P96</b>	<b>CERTAIN CONDITIONS ORIGINATING IN THE PERINATL PERIOD</b>
<b>CH17</b>	<b>Q00-Q99</b>	<b>CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES</b>
UE53	Q00-Q07	Congenital malformations of the nervous system
UE54	Q20-Q28	Congenital malformations of the circulatory system
<b>CH18</b>	<b>R00-R99</b>	<b>SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED</b>
UE56	R95	Sudden infant death syndrome
UE57	R96-R99	Unknown and unspecified causes
<b>CH20</b>	<b>V01-Y89</b>	<b>EXTERNAL CAUSES OF INJURY AND POISONING</b>
UE59	V01-X59	Accidents
UE60	V01-V99	of which transport accidents
UE61	W00-W19	of which accidental falls
UE62	X40-X49	of which accidental poisoning
UE63	X60-X84	Suicide and intentional self-harm
UE64	X85-Y09	Homicide, assault
UE65	Y10-Y34	Events of undetermined intent

**Table 11. List of country codes-names**

country	name
1010	Algeria
1020	Angola
1025	Benin
1030	Botswana
1035	Burkina Faso
1040	Burundi
1045	Cameroon
1060	Cape Verde
1070	Central African Republic
1080	Chad
1090	Comoros
1100	Congo
1115	Cote d'Ivoire
1120	Djibouti
1125	Egypt
1130	Equatorial Guinea
1135	Eritrea
1140	Ethiopia
1160	Gabon
1170	Gambia
1180	Ghana
1190	Guinea
1192	Guinea-Bissau
1220	Kenya
1230	Lesotho
1240	Liberia
1250	Libyan Arab Jamahiriya
1260	Madagascar
1270	Malawi
1280	Mali
1290	Mauritania
1300	Mauritius
1303	Mayotte
1310	Morocco
1320	Mozambique
1325	Namibia
1330	Niger
1340	Nigeria
1360	Reunion
1365	Rodrigues
1370	Rwanda
1385	Sao Tome and Principe
1390	Senegal
1400	Seychelles

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1410	Sierra Leone
1420	Somalia
1430	South Africa
1460	South Sudan
1465	Sudan
1470	Sudan, Former
1480	Swaziland
1510	Togo
1520	Tunisia
1530	Uganda
1546	United Republic of Tanzania
1555	Democratic Republic of the Congo
1560	Zambia
1570	Zimbabwe
2005	Anguilla
2010	Antigua and Barbuda
2020	Argentina
2025	Aruba
2030	Bahamas
2040	Barbados
2045	Belize
2050	Bermuda
2060	Bolivia
2070	Brazil
2085	British Virgin Islands
2090	Canada
2110	Cayman Islands
2120	Chile
2130	Colombia
2140	Costa Rica
2150	Cuba
2160	Dominica
2170	Dominican Republic
2180	Ecuador
2190	El Salvador
2200	Falkland Islands (Malvinas)
2210	French Guiana
2230	Grenada
2240	Guadeloupe
2250	Guatemala
2260	Guyana
2270	Haiti
2280	Honduras
2290	Jamaica
2300	Martinique
2310	Mexico
2320	Montserrat

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2330	Netherlands Antilles
2340	Nicaragua
2350	Panama
2360	Paraguay
2370	Peru
2380	Puerto Rico
2385	Saint Kitts and Nevis
2400	Saint Lucia
2410	Saint Pierre and Miquelon
2420	Saint Vincent and Grenadines
2430	Suriname
2440	Trinidad and Tobago
2445	Turks and Caicos Islands
2450	United States of America
2455	Virgin Islands (USA)
2460	Uruguay
2470	Venezuela
3010	Afghanistan
3020	Bahrain
3025	Bangladesh
3027	Bhutan
3030	Brunei Darussalam
3050	Cambodia
3068	China
3070	China: Province of Taiwan only
3080	Cyprus
3083	Democratic Peoples's Republic of Korea
3090	Hong Kong SAR
3100	India
3110	Indonesia
3130	Iran (Islamic Republic of)
3140	Iraq
3150	Israel
3160	Japan
3170	Jordan
3190	Kuwait
3200	Lao People's Democratic Republic
3210	Lebanon
3220	Macau
3236	Malaysia
3255	Maldives
3260	Mongolia
3270	Myanmar
3280	Nepal
3283	Occupied Palestinian Territory
3285	Oman
3290	Pakistan

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3300	Philippines
3320	Qatar
3325	Republic of Korea
3330	Ryu Kyu Islands
3340	Saudi Arabia
3350	Singapore
3365	Sri Lanka
3370	Syrian Arab Republic
3380	Thailand
3400	Turkey
3405	United Arab Emirates
3408	Viet Nam
3420	Yemen
4005	Albania
4007	Armenia
4008	Andorra
4010	Austria
4012	Azerbaijan
4018	Belarus
4020	Belgium
4025	Bosnia and Herzegovina
4030	Bulgaria
4038	Croatia
4040	Czechoslovakia, Former
4045	Czech Republic
4050	Denmark
4055	Estonia
4070	Finland
4080	France
4084	Georgia
4085	Germany
4090	Germany, Former Democratic Republic
4100	Germany, Former Federal Republic
4120	Germany, West Berlin
4140	Greece
4150	Hungary
4160	Iceland
4170	Ireland
4180	Italy
4182	Kazakhstan
4184	Kyrgyzstan
4186	Latvia
4188	Lithuania
4190	Luxembourg
4195	TFYR Macedonia
4200	Malta
4205	Monaco

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4207	Montenegro
4210	Netherlands
4220	Norway
4230	Poland
4240	Portugal
4260	Republic of Moldova
4270	Romania
4272	Russian Federation
4273	Serbia
4274	Slovakia
4275	San Marino
4276	Slovenia
4280	Spain
4290	Sweden
4300	Switzerland
4301	Tajikistan
4302	Turkmenistan
4303	Ukraine
4304	USSR, Former
4308	United Kingdom
4310	United Kingdom, England and Wales
4320	United Kingdom, Northern Ireland
4330	United Kingdom, Scotland
4335	Uzbekistan
4340	Yugoslavia, Former
4350	Serbia and Montenegro, Former
5020	Australia
5060	Cook Islands
5070	Fiji
5105	Kiribati
5107	Marshall Islands
5108	Micronesia (Federated States of)
5110	Nauru
5150	New Zealand
5170	Niue
5180	Palau
5195	Papua New Guinea
5197	Samoa
5198	Solomon Islands
5200	Tonga
5205	Tuvalu
5207	Vanuatu

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## Frequently asked questions

**Q.** What are the sources of the cause-of-death statistics?

**A.** The cause-of-death statistics are generally from country civil registration and vital statistics systems. When a death occurs, this event is registered at the local civil registry with information on the cause of death. The information is then compiled by the national authority and submitted to WHO every year.

**Q.** Are the deaths medically-certified?

**A.** WHO only publishes here the medically-certified deaths. Diagnoses on causes of death by lay people are not included.

**Q.** If the data is incomplete, have the data been adjusted for incompleteness?

**A.** The data presented are as submitted by the countries to WHO. No adjustment has been made to account for incompleteness.

**Q.** Where can I obtain information on data completeness and quality?

**A.** Information on data completeness and quality by country are available on this web site <https://platform.who.int/mortality/about/data-quality>

**Q.** What kind of corrections have been made to the data?

**A.** WHO verifies that the data submitted are coded with the official ICD codes. If non-official codes are used, they would be replaced with the most appropriate official codes.

**Q.** How are the number of deaths and population presented?

**A.** They are all shown as absolute numbers.

**Q.** Why are population data missing for some countries-years and where can I find other sources of population data?

**A.** Some countries do not report population data to WHO. Users can find population estimates from the United Nations web site <https://population.un.org/wpp/>

**Q.** The list of countries does not seem to include all the countries in the world. What are the reasons?

**A.** Simply because some countries do not report mortality data to WHO. However for some countries, the data they sent to WHO are not in standard ICD codes or do not have ICD codes, so they cannot be shown here. In many low-resourced countries, the cause-of-death information is difficult to obtain, mainly because the system for recording such information is not functioning or inexistent. In addition one of the big problems is the lack of medical certifiers to complete the death certificates.

**Q.** Are the data for the countries listed mutually exclusive?

**A.** Except United Kingdom which include data for England and Wales, Northern Ireland and Scotland which are also presented separately, all the other data are mutually exclusive, for e.g. Martinique, Guadeloupe are not included in France. Care should be taken when treating data of former entities which split up or merged together to form new entities.

**Q.** Why are some latest years of data missing?

**A.** Countries usually submit data to WHO within 12-18 months after the closure of their records for the calendar year. Data checking, compilation and verification takes considerable time at the country level.

**Q.** Is there a tool for analysing mortality and causes of death?

**A.** The WHO ANACoD3 tool is a friendly-user tool for analysing mortality and causes of death. It is freely available at <https://icd.who.int/anacod>

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