

# Health care Analytics

## Mortality Data base documentation

Update 21 April 2022

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# World Health Organization

Department of Data and Analytics

## WHO Mortality Data base documentation

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 ICD10 updates and (c) also the WHO Mortality Data base is regularly updated.

### Part 1: Background and file descriptions

- **Description of the data files:**

**MortIcd09.zip:** mortality data aggregated according to the Basic Tabulation List (BTL) of the 9<sup>th</sup> revision of the ICD. Total records **899,470** (excluding first row of field names)

**Pop.zip:** reference population and live births. Note population and live births are both in units. Population figures are mid-year population. Total records **9,913** (excluding first row of field names).

**Country\_codes.zip:** Country codes and names. Total records **227** (excluding first row of field names)

- **Data layout**

For files MortIcd7.zip, MortIcd8.zip, MortIcd9.zip and MortIcd10.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
Frmat	Age-group format for breakdown of deaths at 0-95+ yrs – see Annex Table 1 below for details
IM Frmat	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

<b>Column name</b>	<b>Content</b>
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
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:

<b>Column name</b>	<b>Content</b>
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

Column name	Content
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.

## Annex Table 1

### 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 &+	65-74	65 &+

70	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.)

Format number→	01	02	08
0day	0 day	0-6 days	0-365 days
1-6day	1-6 days		
7-27 days	7-27 days	7-27days	
28-365 days	28-365 days	28-365 days	

## Annex Table 2

### Field “Admin1”

Country	Admin1	Description
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”

Subdiv	Description
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 Part 2 of this document for more details on specific codes)

List	List of causes (condensed/detailed) from the revisions of the International Classification of Diseases
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

## Part 2: Causes of death: code descriptions

**Table 1. ICD-9 BTL (Basic Tabulation List) and some detailed codes**

ICD-9 BTL (Basic Tabulation 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

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B053	085	Leishmaniasis
B054	086	Trypanosomiasis
B059		Remainder of B05
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

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B139		Remainder of B13
B14	200-208	Malignant neoplasm of lymphatic and haemopoietic tissue
B140	201	Hodgkin's disease
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



<b>ICD-9 BTL (Basic Tabulation List) LIST)</b>	<b>Detailed List Numbers</b>	<b>Cause</b>
B225	345	Epilepsy
B229		Remainder of B22
B23	360-379	Disorders of the eye and adnexa
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

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
B32	466, 480-519	Other diseases of the respiratory system
B320	466	Acute bronchitis and bronchiolitis
B321	480-486	Pneumonia
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

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
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
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

<b>ICD-9 BTL (Basic Tabulation List) LIST)</b>	<b>Detailed List Numbers</b>	<b>Cause</b>
B469		Remainder of B46
B47	E800-E848	Transport accidents
B470	E800-E807	Railway accidents
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

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
	1541	MN OF RECTUM
	1551	MN OF INTRAHEPATIC BILE DUCTS
	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

ICD-9 BTL (Basic Tabulation List) LIST)	Detailed List Numbers	Cause
	204	LYMPHOID LEUKAEMIA
	2040	ACUTE LYMPHOID LEUKAEMIA
	205	MYELOID LEUKAEMIA
	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 2. List of country codes-names**

country	name
2090	Canada
2150	Cuba
2450	United States of America
4080	France
5020	Australia

### Part 3: Frequently asked questions

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

**A.** The cause-of-death statistics are from country civil registration 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 coverage is not complete, have the data been adjusted for under-coverage?

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

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

**A.** Information on data coverage and quality by country are available on this web site <http://apps.who.int/gho/data/node.main.121?lang=en>

**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 <http://esa.un.org/unpd/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.

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