

ANNEX F

Medical Classifications

Table F.1.1. International Classification of Primary Care (ICPC-2)

ICPC-2 – English International Classification of Primary Care – 2 nd Edition Wonca International Classification Committee (WICC)	Blood, Blood Forming Organs and Immune Mechanism B	Eye F	Musculoskeletal L
<p>Process codes</p> <p>-30 Medical Exam/ Eval-Complete</p> <p>-31 Medical Examination/Health Evaluation- Partial/Pre-op check</p> <p>-32 Sensitivity Test</p> <p>-33 Microbiological/Immunological Test</p> <p>-34 Blood Test</p> <p>-35 Urine Test</p> <p>-36 Faeces Test</p> <p>-37 Histological/Exfoliative Cytology</p> <p>-38 Other Laboratory Test NEC</p> <p>-39 Physical Function Test</p> <p>-40 Diagnostic Endoscopy</p> <p>-41 Diagnostic Radiology/Imaging</p> <p>-42 Electrical Tracings</p> <p>-43 Other Diagnostic Procedures</p> <p>-44 Preventive Immunisations/Medications</p> <p>-45 Observe/Educate/Advice/Diet</p> <p>-46 Consult with Primary Care Provider</p> <p>-47 Consultation with Specialist</p> <p>-48 Clarification/Discuss Patient's RFE</p> <p>-49 Other Preventive Procedures</p> <p>-50 Medical-Script/ Reqst/Reuser/Inject</p> <p>-51 Incise/Drain/Flush/Aspirate</p> <p>-52 Excise/Remove/Biopsy/Destruction/ Debride</p> <p>-53 Instrument/Catheter/Intubate/Dilate</p> <p>-54 Repair/Fixate-Suture/Cast/Prosthetic</p> <p>-55 Local Injection/Infiltration</p> <p>-56 Dress/Press/Compress/Tamponade</p> <p>-57 Physical Medicine/Rehabilitation</p> <p>-58 Therapeutic Counselling/Listening</p> <p>-59 Other Therapeutic Procedure NEC</p> <p>-60 Results Tests/Procedures</p> <p>-61 Results Exam/Test/Record</p> <p>-62 Administrative Procedure</p> <p>-63 Follow-up Encounter Unspecified</p> <p>-64 Encounter Initiated by Provider</p> <p>-65 Encounter Initiated third person</p> <p>-66 Refer to Other Provider (EXCL. M.D.)</p> <p>-67 Referral to Physician/Specialist/ Clinic/Hospital</p> <p>-68 Other Referrals NEC</p> <p>-69 Other Reason for Encounter NEC</p> <p>General and Unspecified A</p> <p>A01 Pain general/multiple sites</p> <p>A02 Chills</p> <p>A03 Fever</p> <p>A04 Weakness/tiredness general</p> <p>A05 Feeling ill</p> <p>A06 Fainting/syncope</p> <p>A07 Coma</p> <p>A08 Swelling</p> <p>A09 Sweating problem</p> <p>A10 Bleeding/haemorrhage NOS</p> <p>A11 Chest pain NOS</p> <p>A12 Concern/fear medical treatment</p> <p>A13 Irritable infant</p> <p>A14 Concern about appearance</p> <p>A15 Euthanasia request/discussion</p> <p>A16 Risk factor for malignancy</p> <p>A17 Risk factor NOS</p> <p>A18 Fear of death/dying</p> <p>A19 Fear of cancer NOS</p> <p>A20 Fear of other disease NOS</p> <p>A21 Limited function/disability NOS</p> <p>A22 General symptom/complaint other</p> <p>A23 Tuberculosis</p> <p>A24 Measles</p> <p>A25 Chickenpox</p> <p>A26 Malaria</p> <p>A27 Rubella</p> <p>A28 Infectious mononucleosis</p> <p>A29 Viral exanthem other</p> <p>A30 Viral disease other/NOS</p> <p>A31 Infectious disease other/NOS</p> <p>A32 Malignancy NOS</p> <p>A33 Trauma/injury NOS</p> <p>A34 Multiple trauma/injuries</p> <p>A35 Secondary effect of trauma</p> <p>A36 Poisoning by medical agent</p> <p>A37 Adverse effect medical agent</p> <p>A38 Toxic effect non-medical substance</p> <p>A39 Complication of medical treatment</p> <p>A40 Adverse effect physical factor</p> <p>A41 Effect prosthetic device</p> <p>A42 Congenital anomaly OS/multiple</p> <p>A43 Abnormal result investigation NOS</p> <p>A44 Allergy/allergic reaction NOS</p> <p>A45 Premature newborn</p> <p>A46 Perinatal morbidity other</p> <p>A47 Perinatal mortality</p> <p>A48 Death</p> <p>A49 No disease</p> <p>A50 Health maintenance/prevention</p> <p>A51 General disease NOS</p>	<p>802 Lymph gland(s) enlarged/painful</p> <p>804 Blood symptom/complaint</p> <p>825 Fear of aids/HIV</p> <p>826 Fear cancer blood/lymph</p> <p>827 Fear blood/lymph disease other</p> <p>828 Limited function/disability</p> <p>829 Sympt/ complt lymph/immune other</p> <p>870 Lymphadenitis acute</p> <p>871 Lymphadenitis non-specific</p> <p>872 Hodgkin's disease/lymphoma</p> <p>873 Leukaemia</p> <p>874 Malignant neoplasm blood other</p> <p>875 Benign/unspecified neoplasm blood</p> <p>876 Ruptured spleen traumatic</p> <p>877 Injury blood/lymph/spleen other</p> <p>878 Hereditary haemolytic anaemia</p> <p>879 Congen anom. blood/lymph other</p> <p>880 Iron deficiency anaemia</p> <p>881 Anaemia, Vitamin B12/folate def.</p> <p>882 Anaemia other/unspecified</p> <p>883 Purpura/coagulation defect</p> <p>884 Unexplained abnormal white cells</p> <p>887 Splenomegaly</p> <p>890 HIV-infection/aids</p> <p>899 Blood/lymph/spleen disease other</p> <p>PROCESS CODES</p> <p>SYMPTOMS/COMPLAINTS</p> <p>INFECTIONS</p> <p>NEOPLASMS</p> <p>INJURIES</p> <p>CONGENITAL ANOMALIES</p> <p>OTHER DIAGNOSES</p> <p>Digestive D</p> <p>D01 Abdominal pain/cramps general</p> <p>D02 Abdominal pain epigastric</p> <p>D03 Heartburn</p> <p>D04 Rectal/anal pain</p> <p>D05 Perianal itching</p> <p>D06 Abdominal pain localized other</p> <p>D07 Dyspepsia/indigestion</p> <p>D08 Flatulence/gas/belching</p> <p>D09 Nausea</p> <p>D10 Vomiting</p> <p>D11 Diarrhoea</p> <p>D12 Constipation</p> <p>D13 Jaundice</p> <p>D14 Haematemesis/vomiting blood</p> <p>D15 Melaena</p> <p>D16 Rectal bleeding</p> <p>D17 Incontinence of bowel</p> <p>D18 Change faeces/bowel movements</p> <p>D19 Teeth/gum symptom/complaint</p> <p>D20 Mouth/tongue/lip symptom/ complt.</p> <p>D21 Swallowing problem</p> <p>D23 Hepatomegaly</p> <p>D24 Abdominal mass NOS</p> <p>D25 Abdominal distension</p> <p>D26 Fear of cancer of digestive system</p> <p>D27 Fear of digestive disease other</p> <p>D28 Limited function/disability (d)</p> <p>D29 Digestive symptom/complaint other</p> <p>D70 Gastrointestinal infection</p> <p>D71 Mumps</p> <p>D72 Viral hepatitis</p> <p>D73 Gastroenteritis presumed infection</p> <p>D74 Malignant neoplasm stomach</p> <p>D75 Malignant neoplasm colon/rectum</p> <p>D76 Malignant neoplasm pancreas</p> <p>D77 Malign. neoplasm digest other/NOS</p> <p>D78 Neoplasm digest benign/uncertain</p> <p>D79 Foreign body digestive system</p> <p>D80 Injury digestive system other</p> <p>D81 Congen. anomaly digestive system</p> <p>D82 Teeth/gum disease</p> <p>D83 Mouth/tongue/lip disease</p> <p>D84 Oesophagus disease</p> <p>D85 Duodenal ulcer</p> <p>D86 Peptic ulcer other</p> <p>D87 Stomach function disorder</p> <p>D88 Appendicitis</p> <p>D89 Inguinal hernia</p> <p>D90 Hiatus hernia</p> <p>D91 Abdominal hernia other</p> <p>D92 Diverticular disease</p> <p>D93 Irritable bowel syndrome</p> <p>D94 Chronic enteritis/ulcerative colitis</p> <p>D95 Anal fissure/ perianal abscess</p> <p>D96 Worms/other parasites</p> <p>D97 Liver disease NOS</p> <p>D98 Cholecystitis/ cholelithiasis</p> <p>D99 Disease digestive system, other</p>	<p>F01 Eye pain</p> <p>F02 Red eye</p> <p>F03 Eye discharge</p> <p>F04 Visual floaters/spots</p> <p>F05 Visual disturbance other</p> <p>F13 Eye sensation abnormal</p> <p>F14 Eye movements abnormal</p> <p>F15 Eye appearance abnormal</p> <p>F16 Eyelid symptom/complaint</p> <p>F17 Glasses symptom/complaint</p> <p>F18 Contact lens symptom/complaint</p> <p>F27 Fear of eye disease</p> <p>F28 Limited function/disability (f)</p> <p>F29 Eye symptom/complaint other</p> <p>F70 Conjunctivitis infectious</p> <p>F71 Conjunctivitis allergic</p> <p>F72 Blepharitis/ styel/ chalazion</p> <p>F73 Eye infection/inflammation other</p> <p>F74 Neoplasm of eye/ adnexa</p> <p>F75 Contusion/haemorrhage eye</p> <p>F76 Foreign body in eye</p> <p>F79 Injury eye other</p> <p>F80 Blocked lacrimal duct of infant</p> <p>F81 Congenital anomaly eye other</p> <p>F82 Detached retina</p> <p>F83 Retinopathy</p> <p>F84 Macular degeneration</p> <p>F85 Corneal ulcer</p> <p>F86 Trachoma</p> <p>F91 Refractive error</p> <p>F92 Cataract</p> <p>F93 Glaucoma</p> <p>F94 Blindness</p> <p>F95 Strabismus</p> <p>F99 Eye/ adnexa disease, other</p> <p>Ear H</p> <p>H01 Ear pain/earache</p> <p>H02 Hearing complaint</p> <p>H03 Tinnitus, ringing/buzzing ear</p> <p>H04 Ear discharge</p> <p>H05 Bleeding ear</p> <p>H13 Plugged feeling ear</p> <p>H15 Concern with appearance of ears</p> <p>H27 Fear of ear disease</p> <p>H28 Limited function/disability ear</p> <p>H29 Ear symptom/complaint other</p> <p>H70 Otitis externa</p> <p>H71 Acute otitis media/ myringitis</p> <p>H72 Serous otitis media</p> <p>H73 Eustachian salpingitis</p> <p>H74 Chronic otitis media</p> <p>H75 Neoplasm of ear</p> <p>H76 Foreign body in ear</p> <p>H77 Perforation ear drum</p> <p>H78 Superficial injury of ear</p> <p>H79 Ear injury other</p> <p>H80 Congenital anomaly of ear</p> <p>H81 Excessive ear wax</p> <p>H82 Vertiginous syndrome</p> <p>H83 Otosclerosis</p> <p>H84 Presbycusis</p> <p>H85 Acoustic trauma</p> <p>H86 Deafness</p> <p>H99 Ear/mastoid disease, other</p> <p>Cardiovascular K</p> <p>K01 Heart pain</p> <p>K02 Pressure/tightness of heart</p> <p>K03 Cardiovascular pain NOS</p> <p>K04 Palpitations/awareness of heart</p> <p>K05 Irregular heartbeat other</p> <p>K06 Prominent veins</p> <p>K07 Swollen ankles/edema</p> <p>K22 Risk factor cardiovascular disease</p> <p>K24 Fear of heart disease</p> <p>K25 Fear of hypertension</p> <p>K27 Fear cardiovascular disease other</p> <p>K28 Limited function/disability (k)</p> <p>K29 Cardiovascular sympt. /complt. other</p> <p>K70 Infection of circulatory system</p> <p>K71 Rheumatic fever/heart disease</p> <p>K72 Neoplasm cardiovascular</p> <p>K73 Congenital anomaly cardiovascular</p> <p>K74 Ischaemic heart disease w. angina</p> <p>K75 Acute myocardial infarction</p> <p>K76 Ischaemic heart disease w/o angina</p> <p>K77 Heart failure</p> <p>K78 Atrial fibrillation/flutter</p> <p>K79 Paroxysmal tachycardia</p> <p>K80 Cardiac arrhythmia NOS</p> <p>K81 Heart/arterial murmur NOS</p> <p>K82 Pulmonary heart disease</p> <p>K83 Heart valve disease NOS</p> <p>K84 Heart disease other</p> <p>K85 Elevated blood pressure</p> <p>K86 Hypertension uncomplicated</p> <p>K87 Hypertension complicated</p> <p>K88 Postural hypotension</p> <p>K89 Transient cerebral ischaemia</p> <p>K90 Stroke/cerebrovascular accident</p> <p>K91 Cerebrovascular disease</p> <p>K92 Atherosclerosis/ PVD</p> <p>K93 Pulmonary embolism</p> <p>K94 Phlebitis/ thrombophlebitis</p> <p>K95 Varicose veins of leg</p> <p>K96 Haemorrhoids</p> <p>K99 Cardiovascular disease other</p>	<p>L01 Neck symptom/complaint</p> <p>L02 Back symptom/complaint</p> <p>L03 Low back symptom/complaint</p> <p>L04 Chest symptom/complaint</p> <p>L05 Flank/axilla symptom/complaint</p> <p>L07 Jaw symptom/complaint</p> <p>L08 Shoulder symptom/complaint</p> <p>L09 Arm symptom/complaint</p> <p>L10 Elbow symptom/complaint</p> <p>L11 Wrist symptom/complaint</p> <p>L12 Hand/finger symptom/complaint</p> <p>L13 Hip symptom/complaint</p> <p>L14 Leg/high symptom/complaint</p> <p>L15 Knee symptom/complaint</p> <p>L16 Ankle symptom/complaint</p> <p>L17 Foot/toe symptom/complaint</p> <p>L18 Muscle pain</p> <p>L19 Muscle symptom/complaint NOS</p> <p>L20 Joint symptom/complaint NOS</p> <p>L26 Fear of cancer musculoskeletal</p> <p>L27 Fear musculoskeletal disease other</p> <p>L28 Limited function/disability (l)</p> <p>L29 Sympt/ complt. Musculoskeletal other</p> <p>L70 Infections musculoskeletal system</p> <p>L71 Malignant neoplasm musculoskeletal</p> <p>L72 Fracture: radius/ulna</p> <p>L73 Fracture: tibia/fibula</p> <p>L74 Fracture: hand/foot bone</p> <p>L75 Fracture: femur</p> <p>L76 Fracture: other</p> <p>L78 Sprain/strain of ankle</p> <p>L79 Sprain/strain of joint NOS</p> <p>L80 Dislocation/subluxation</p> <p>L81 Injury musculoskeletal NOS</p> <p>L82 Congenital anomaly musculoskeletal</p> <p>L83 Neck syndrome</p> <p>L84 Back syndrome w/o radiating pain</p> <p>L85 Acquired deformity of spine</p> <p>L86 Back syndrome with radiating pain</p> <p>L87 Bursitis/ tendinitis/synovitis NOS</p> <p>L88 Rheumatoid/ seropositive arthritis</p> <p>L89 Osteoarthritis of hip</p> <p>L90 Osteoarthritis of knee</p> <p>L91 Osteoarthritis other</p> <p>L92 Shoulder syndrome</p> <p>L93 Tennis elbow</p> <p>L94 Osteochondrosis</p> <p>L95 Osteoporosis</p> <p>L96 Acute internal damage knee</p> <p>L97 Neoplasm benign/ unspc musculo.</p> <p>L98 Acquired deformity of limb</p> <p>L99 Musculoskeletal disease, other</p> <p>Neurological N</p> <p>N01 Headache</p> <p>N03 Pain face</p> <p>N04 Restless legs</p> <p>N05 Tingling fingers/feet/toes</p> <p>N06 Sensation disturbance other</p> <p>N07 Convulsion/seizure</p> <p>N08 Abnormal involuntary movements</p> <p>N16 Disturbance of smell/taste</p> <p>N17 Vertigo/dizziness</p> <p>N18 Paralysis/weakness</p> <p>N19 Speech disorder</p> <p>N26 Fear cancer neurological system</p> <p>N27 Fear of neurological disease other</p> <p>N28 Limited function/disability (n)</p> <p>N29 Neurological symptom/ complt. other</p> <p>N70 Poliomyelitis</p> <p>N71 Meningitis/encephalitis</p> <p>N72 Tetanus</p> <p>N73 Neurological infection other</p> <p>N74 Malignant neoplasm nervous system</p> <p>N75 Benign neoplasm nervous system</p> <p>N76 Neoplasm nervous system unspc.</p> <p>N79 Concussion</p> <p>N80 Head injury other</p> <p>N81 Injury nervous system other</p> <p>N85 Congenital anomaly neurological</p> <p>N86 Multiple sclerosis</p> <p>N87 Parkinsonism</p> <p>N88 Epilepsy</p> <p>N89 Migraine</p> <p>N90 Cluster headache</p> <p>N91 Facial paralysis/bell's palsy</p> <p>N92 Trigeminal neuralgia</p> <p>N93 Carpal tunnel syndrome</p> <p>N94 Peripheral neuritis/neuropathy</p> <p>N95 Tension headache</p> <p>N99 Neurological disease, other</p>

Table F.1.2. Anatomical Therapeutic Chemical (ATC)
The main groups of the ATC classification system

A	Alimentary tract and metabolism
B	Blood and blood forming organs
C	Cardiovascular system
D	Dermatologicals
G	Genito urinary system and sex hormones
H	Systemic hormonal preparations, excl. sex hormones and insulins
J	Anti-infectives for systemic use
L	Antineoplastic and immunomodulating agents
M	Musculo-skeletal system
N	Nervous system
P	Antiparasitic products, insecticides and repellents
R	Respiratory system
S	Sensory organs
V	Various

Source : *www.who.int*.

Table F.1.3. International Shortlist for Hospital Morbidity Tabulation (ISHMT)

ICD chapter	Group	Code	Heading	ICD-10 code	ICD-9 code
I		0100	Certain infectious and parasitic diseases	A00-B99	001-033, 0341-0992, 0995-134, 1360, 1362-139, +042-044 or 2795, 2796 for HIV (varies according to country)
I	1	0101	Intestinal infectious diseases except diarrhoea	A00-A08	001-008
I	2	0102	Diarrhoea and gastroenteritis of presumed infectious origin	A09	009
I	3	0103	Tuberculosis	A15-A19, B90	010-018, 137
I	4	0104	Septicaemia	A40-A41	038
I	5	0105	Human immunodeficiency virus [HIV] disease	B20-B24	042-044 or 2795, 2796 (varies according to country)
I	6	0106	Other infectious and parasitic diseases	remainder of A00-B99	remainder of 001-139, except 0340, 0993, 0994, 135, 1361
II		0200	Neoplasms	C00-D48	140-239
II	7	0201	Malignant neoplasm of colon, rectum and anus	C18-C21	153, 154
II	8	0202	Malignant neoplasms of trachea, bronchus and lung	C33-C34	162
II	9	0203	Malignant neoplasms of skin	C43-C44	172, 173
II	10	0204	Malignant neoplasm of breast	C50	174, 175
II	11	0205	Malignant neoplasm of uterus	C53-C55	179, 180, 182
II	12	0206	Malignant neoplasm of ovary	C56	1830
II	13	0207	Malignant neoplasm of prostate	C61	185
II	14	0208	Malignant neoplasm of bladder	C67	188
II	15	0209	Other malignant neoplasms	remainder of C00-C97	remainder of 140-208
II	16	0210	Carcinoma in situ	D00-D09	230-234
II	17	0211	Benign neoplasm of colon, rectum and anus	D12	2113, 2114
II	18	0212	Leiomyoma of uterus	D25	218
II	19	0213	Other benign neoplasms and neoplasms of uncertain or unknown behaviour	remainder of D00-D48	remainder of 210-239
III		0300	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89	135, 2790-2793, 2798, 2799*, 280-288*, 2890*, 2894-2899*
III	20	0301	Anaemias	D50-D64	280-285

Table F.1.3. **International Shortlist for Hospital Morbidity Tabulation (ISHMT) (cont.)**

ICD chapter	Group	Code	Heading	ICD-10 code	ICD-9 code
III	21	0302	Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D65-D89	135, 2790-2793, 2798, 2799*, 286-288*, 2890*, 2894-2899*
IV		0400	Endocrine, nutritional and metabolic diseases	E00-E90	240-278
IV	22	0401	Diabetes mellitus	E10-E14	250
IV	23	0402	Other endocrine, nutritional and metabolic diseases	remainder of E00-E90	remainder of 240-278
V		0500	Mental and behavioural disorders	F00-F99	290-319
V	24	0501	Dementia	F00-F03	2900-2902, 2904-2909, 2941
V	25	0502	Mental and behavioural disorders due to alcohol	F10	291, 303, 3050
V	26	0503	Mental and behavioural disorders due to use of other psychoactive substance.	F11-F19	292, 2940, 304, 3051-3059
V	27	0504	Schizophrenia, schizotypal and delusional disorders	F20-F29	295, 2970-2973, 2978-2979, 2983-2989
V	28	0505	Mood [affective] disorders	F30-F39	296, 2980, 3004, 3011, 311
V	29	0506	Other mental and behavioural disorders	remainder of F00-F99	remainder of 290-319
VI		0600	Diseases of the nervous system	G00-G99	320-359, 435
VI	30	0601	Alzheimer's disease	G30	3310
VI	31	0602	Multiple sclerosis	G35	340
VI	32	0603	Epilepsy	G40-G41	345
VI	33	0604	Transient cerebral ischaemic attacks and related syndromes	G45	435
VI	34	0605	Other diseases of the nervous system	remainder of G00-G99	remainder of 320-359
VII		0700	Diseases of the eye and adnexa	H00-H59	360-379
VII	35	0701	Cataract	H25-H26, H28	366
VII	36	0702	Other diseases of the eye and adnexa	remainder of H00-H59	remainder of 360-379
VIII	37	0800	Diseases of the ear and mastoid process	H60-H95	380-389
IX		0900	Diseases of the circulatory system	I00-I99	2891-2893*, 390-459 except 435, 446 and 4590*
IX	38	0901	Hypertensive diseases	I10-I15	401-405
IX	39	0902	Angina pectoris	I20	413; ICD-9-CM: 4111*, 413*
IX	40	0903	Acute myocardial infarction	I21-I22	410
IX	41	0904	Other ischaemic heart disease	I23-I25	411-412, 414; ICD-9-CM: 4110*, 4118*, 412*, 414*
IX	42	0905	Pulmonary heart disease & diseases of pulmonary circulation	I26-I28	415-417
IX	43	0906	Conduction disorders and cardiac arrhythmias	I44-I49	426, 427
IX	44	0907	Heart failure	I50	428
IX	45	0908	Cerebrovascular diseases	I60-I69	430-434, 436-438
IX	46	0909	Atherosclerosis	I70	440
IX	47	0910	Varicose veins of lower extremities	I83	454
IX	48	0911	Other diseases of the circulatory system	remainder of I00-I99	2891-2893*, remainder of 390-459 except 435, 446 and 4590*
X		1000	Diseases of the respiratory system	J00-J99	0340, 460-519
X	49	1001	Acute upper respiratory infections and influenza	J00-J11	0340, 460-465, 487; ICD-9-CM: 0340*, 460-465, 487, 488*
X	50	1002	Pneumonia	J12-J18	480-486
X	51	1003	Other acute lower respiratory infections	J20-J22	466 (acute lower respiratory infections other than acute bronchitis, acute bronchiolitis and pneumonia were not separated in ICD-9, no J22 equivalent)

Table F.1.3. **International Shortlist for Hospital Morbidity Tabulation (ISHMT) (cont.)**

ICD chapter	Group	Code	Heading	ICD-10 code	ICD-9 code
X	52	1004	Chronic diseases of tonsils and adenoids	J35	474
X	53	1005	Other diseases of upper respiratory tract	J30-J34, J36-J39	470-473, 475-478
X	54	1006	Chronic obstructive pulmonary disease and bronchiectasis	J40-J44, J47	490-492, 494, 496; ICD-9-CM: 490-492, 4932*, 494, 496
X	55	1007	Asthma	J45-J46	493; ICD-9-CM: 4930*, 4931*, 4938*, 4939*
X	56	1008	Other diseases of the respiratory system	J60-J99	remainder of 460-519
XI		1100	Diseases of the digestive system	K00-K93	520-579
XI	57	1101	Disorders of teeth and supporting structures	K00-K08	520-525
XI	58	1102	Other diseases of oral cavity, salivary glands and jaws	K09-K14	526-529
XI	59	1103	Diseases of oesophagus	K20-K23	530
XI	60	1104	Peptic ulcer	K25-K28	531-534
XI	61	1105	Dyspepsia and other diseases of stomach and duodenum	K29-K31	535-537
XI	62	1106	Diseases of appendix	K35-K38	540-543
XI	63	1107	Inguinal hernia	K40	550
XI	64	1108	Other abdominal hernia	K41-K46	551-553
XI	65	1109	Crohn's disease and ulcerative colitis	K50-K51	555, 556
XI	66	1110	Other non-infective gastroenteritis and colitis	K52	558
XI	67	1111	Paralytic ileus and intestinal obstruction without hernia	K56	560
XI	68	1112	Diverticular disease of intestine	K57	562
XI	69	1113	Diseases of anus and rectum	K60-K62	565, 566, 5690-5694
XI	70	1114	Other diseases of intestine	K55, K58-K59, K63	557, 564, 5695, 5698, 5699
XI	71	1115	Alcoholic liver disease	K70	5710-5713
XI	72	1116	Other diseases of liver	K71-K77	570, 5714-573
XI	73	1117	Cholelithiasis	K80	574
XI	74	1118	Other diseases of gall bladder and biliary tract	K81-K83	575, 576
XI	75	1119	Diseases of pancreas	K85-K87	577
XI	76	1120	Other diseases of the digestive system	remainder of K00-K93	remainder of 520-579
XII		1200	Diseases of the skin and subcutaneous tissue	L00-L99	680-709
XII	77	1201	Infections of the skin and subcutaneous tissue	L00-L08	680-686
XII	78	1202	Dermatitis, eczema and papulosquamous disorders	L20-L45	690-693, 6943, 696-6983, 6988, 6989
XII	79	1203	Other diseases of the skin and subcutaneous tissue	remainder of L00-L99	remainder of 680-709
XIII		1300	Diseases of the musculoskeletal system and connective tissue	M00-M99	0993, 1361, 2794, 446, 710-739
XIII	80	1301	Coxarthrosis [arthrosis of hip]	M16	Not a concept in ICD-9 at four-digit level. Can only be defined by using the optional fifth digit 5 to 715, <i>i.e.</i> 715.15, 715.25, 715.35 and 715.95
XIII	81	1302	Gonarthrosis [arthrosis of knee]	M17	Not a concept in ICD-9 at four-digit level. Can only be defined by using the optional fifth digit 6 to 715, <i>i.e.</i> 715.16, 715.26, 715.36 and 715.96
XIII	82	1303	Internal derangement of knee	M23	717
XIII	83	1304	Other arthropathies	M00-M15, M18-M22, M24-M25	0993, 711-716, 718, 719, 7271*, 7284*
XIII	84	1305	Systemic connective tissue disorders	M30-M36	1361, 2794, 446, 710, 725, 7285

Table F.1.3. **International Shortlist for Hospital Morbidity Tabulation (ISHMT) (cont.)**

ICD chapter	Group	Code	Heading	ICD-10 code	ICD-9 code
XIII	85	1306	Deforming dorsopathies and spondylopathies	M40-M49	720, 721, 7230, 7235*, 7240, 737
XIII	86	1307	Intervertebral disc disorders	M50-M51	7220-7227*, 7229*
XIII	87	1308	Dorsalgia	M54	7231, 7234, 7236, 7241-7243, 7245
XIII	88	1309	Soft tissue disorders	M60-M79	726*, 7270*, 7272-7279*, 7280-7283, 7286-7289, 729
XIII	89	1310	Other disorders of the musculoskeletal system and connective tissue	M53, M80-M99	remainder of 710-739
XIV		1400	Diseases of the genitourinary system	N00-N99	0994, 580-5996, 5998-629, 7880
XIV	90	1401	Glomerular and renal tubulo-interstitial diseases	N00-N16	580-5834, 5838, 5839, 5900-5902, 5908, 5909, 591, 5933-5935, 5937, 5996
XIV	91	1402	Renal failure	N17-N19	5836, 5837, 584-586
XIV	92	1403	Urolithiasis	N20-N23	592, 594, 7880
XIV	93	1404	Other diseases of the urinary system	N25-N39	0994, 587-589, 5903, 5930-5932, 5936, 5938, 5939, 595-597, 5980, 5981, 5988, 5989, 5990-5995, 5998, 5999, 6256
XIV	94	1405	Hyperplasia of prostate	N40	600
XIV	95	1406	Other diseases of male genital organs	N41-N51	601-608
XIV	96	1407	Disorders of breast	N60-N64	610, 611
XIV	97	1408	Inflammatory diseases of female pelvic organs	N70-N77	614-616
XIV	98	1409	Menstrual, menopausal and other female genital conditions	N91-N95	6250-6255, 6258-627
XIV	99	1410	Other disorders of the genitourinary system	remainder of N00-N99	remainder of 580-629 except 5997*
XV		1500	Pregnancy, childbirth and the puerperium	000-099	630-676 (no exactly equivalent ICD-9 codes for the three phases); ICD-9-CM: 630-677* (no exactly equivalent ICD-9 codes for the three phases)
XV	100	1501	Medical abortion	004	635
XV	101	1502	Other pregnancy with abortive outcome	000-003, 005-008	630-634, 636-639
XV	102	1503	Complications of pregnancy predominantly in the antenatal period	O10-O48	640-646, 651-659
XV	103	1504	Complications of pregnancy predominantly during labour and delivery	O60-O75	660-668, 6690-6694, 6698, 6699
XV	104	1505	Single spontaneous delivery	O80	650
XV	105	1506	Other delivery	O81-O84	6695, 6696, 6697
XV	106	1507	Complications predominantly related to the puerperium	O85-O92	670-676
XV	107	1508	Other obstetric conditions	O94*, O95-O99	647, 648; ICD-9-CM: 647*, 648*, 677*
XVI		1600	Certain conditions originating in the perinatal period	P00-P96	760-779
XVI	108	1601	Disorders related to short gestation and low birth weight	P07	765
XVI	109	1602	Other conditions originating in the perinatal period	remainder of P00-P96	remainder of 760-779
XVII	110	1700	Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99	740-759

Table F.1.3. **International Shortlist for Hospital Morbidity Tabulation (ISHMT) (cont.)**

ICD chapter	Group	Code	Heading	ICD-10 code	ICD-9 code
XVIII		1800	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99	780-799 except 7880, but including 4590* and 5997
XVIII	111	1801	Pain in throat and chest	R07	7841, 7865
XVIII	112	1802	Abdominal and pelvic pain	R10	7890
XVIII	113	1803	Unknown and unspecified causes of morbidity (incl. those without a diagnosis)	R69	7999
XVIII	114	1804	Other symptoms, signs and abnormal clinical and laboratory findings	remainder of R00-R99	remainder of 780-799 except 7880, but including 4590* and 5997
XIX		1900	Injury, poisoning and certain other consequences of external causes	S00-T98	800-999
XIX	115	1901	Intracranial injury	S06	8001-8004, 8006-8009, 8011-8014, 8016-8019, 8031-8034, 8036-8039, 8041-8044, 8046-8049, 850-854 (Definition includes relevant ICD-9-CM codes.)
XIX	116	1902	Other injuries to the head	S00-S05, S07-S09	8000, 8005, 8010, 8015, 802, 8030, 8035, 8040, 8045, 830, 870-873, 900, 910, 918, 920, 921, 925, 950*, 951* (Definition includes relevant ICD-9-CM codes.)
XIX	117	1903	Fracture of forearm	S52	813
XIX	118	1904	Fracture of femur	S72	820, 821
XIX	119	1905	Fracture of lower leg, including ankle	S82	823, 824
XIX	120	1906	Other injuries	S10-S51, S53-S71, S73-S81, S83-T14, T79	805-812, 814-819, 822, 825-829, 831-848, 860-869, 874-897, 901-904, 911-917, 919, 922-924, 926-929*, 952-959*
XIX	121	1907	Burns and corrosions	T20-T32	940-949
XIX	122	1908	Poisonings by drugs, medicaments and biological substances and toxic effects of substances chiefly non-medicinal as to source	T36-T65	960-989
XIX	123	1909	Complications of surgical and medical care, not elsewhere classified	T80-T88	996-999
XIX	124	1910	Sequelae of injuries, of poisoning and of other consequences of external causes	T90-T98	905-909
XIX	125	1911	Other and unspecified effects of external causes	remainder of S00-T98	930-939*, 990-995
XXI		2100	Factors influencing health status and contact with health services	Z00-Z99	V01-V82
XXI	126	2101	Medical observation and evaluation for suspected diseases and conditions	Z03	V710-V712*, V717-V719*
XXI	127	2102	Contraceptive management	Z30	V25
XXI	128	2103	Live-born infants according to place of birth ("healthy newborn babies")	Z38	V30-V39
XXI	129	2104	Other medical care (including radiotherapy and chemotherapy sessions)	Z51	V071, V58
XXI	130	2105	Other factors influencing health status and contact with health services	remainder of Z00-Z99	remainder of V01-V82
		0000	All causes	A00-Z99 (excluding V, W, X and Y codes)	001-V82 (excluding E800-E999)

Source: WHO (2005d).

Table F.1.4. Global Burden of Disease (GBD)

Code	GBD cause name	ICD-9 code	ICD-10 code
U000	All causes		
U001	I. Communicable, maternal, perinatal, and nutritional conditions^a	001-139, 243, 260- 269, 279.5, 280-281, 285.9, 320-323, 381-382, 460-465, 466, 480-487, 614-616, 630-676, 760-779	A00-B99, G00-G04, N70-N73, J00-J06, J10-J18, J20-J22, H65-H66, 000-099, P00-P96, E00-E02, E40-E46, E50, D50-D53, D64.9, E51-64
U002	A. Infectious and parasitic diseases	001-139, 279.5, 320-323, 614-616, 771.3	A00-B99, G00, G03-G04, N70-N73
U003	1. Tuberculosis	010-018, 137	A15-A19, B90
U004	2. Sexually transmitted diseases excluding HIV/AIDS	090-099, 614-616	A50-A64, N70-N73
U005	a. Syphilis	090-097	A50-A53
U006	b. Chlamydia	—	A55-A56
U007	c. Gonorrhoea	098	A54
U008	d. Other sexually transmitted diseases	099, 614-616	A57-A64, N70-N73
U009	3. HIV/AIDS	279.5 (3042-044)	B20-B24
U010	4. Diarrheal diseases	001, 002, 004, 006-009	A00, A01, A03, A04, A06-A09
U011	5. Childhood-cluster diseases	032, 033, 037, 045, 055, 138, 771.3	A33-A37, A80, B05, B91
U012	a. Pertussis	033	A37
U013	b. Poliomyelitis	045, 138	A80, B91
U014	c. Diphtheria	032	A36
U015	d. Measles	055	B05
U016	e. Tetanus	037, 771.3	A33-A35
U017	6. Meningitis	036, 320-322	A39, G00, G03
U018	7. Hepatitis B	070.2-070.9	B16-B19 (minus B17.1, B18.2)
U019	Hepatitis C	—	B17.1, B18.2
U020	8. Malaria	084	B50-B54
U021	9. Tropical-cluster diseases	085, 086, 120, 125.0, 125.1, 125.3	B55-B57, B65, B73, B74.0-B74.2
U022	a. Trypanosomiasis	086.3, 086.4, 086.5,	B56
U023	b. Chagas' disease	086.0, 086.1, 086.2, 086.9	B57
U024	c. Schistosomiasis	120	B65
U025	d. Leishmaniasis	085	B55
U026	e. Lymphatic filariasis	125.0, 125.1	B74.0-B74.2
U027	f. Onchocerciasis	125.3	B73
U028	10. Leprosy	030	A30
U029	11. Dengue	061	A90-A91
U030	12. Japanese encephalitis	062.0	A83.0
U031	13. Trachoma	076	A71
U032	14. Intestinal nematode infections	126-129	B76-B81
U033	a. Ascariasis	127.0	B77
U034	b. Trichuriasis	127.3	B79
U035	c. Hookworm disease (Ancylostomiasis and necatoriasis)	126	B76
U036	Other intestinal infections	127.1, 127.2, 127.4-127.9, 128, 129	B78, B80, B81
U037	Other infectious diseases	003, 005, 020-027, 031, 034, 035, 038-041, 046-049, 050-054, 056-057, 060, 062.1-066, 070.0-070.1, 071-075, 077-079, 080-083, 087-088, 100-104, 110-118, 121-124, 125.2, 125.4, 125.5, 125.6, 125.7, 125.9, 130-136, 139, 323	A02, A05, A20-A28, A31, A32, A38, A40-A49, A65-A70, A74-A79, A81, A82, A83.1-A83.9, A84-A89, A92-A99, B00-B04, B06-B15, B25-B49, B58-B60, B64, B66-B72, B74.3-B74.9, B75, B82-B89, B92-B99, G04
U038	B. Respiratory infections	460-466, 480-487, 381-382	J00-J06, J10-J18, J20-J22, H65-H66
U039	1. Lower respiratory infections	466, 480-487	J10-J18, J20-J22
U040	2. Upper respiratory infections	460-465	J00-J06
U041	3. Otitis media	381-382	H65-H66
U042	C. Maternal conditions	630-676	000-099
U043	1. Maternal hemorrhage	640, 641, 666	O44-O46, O67, O72
U044	2. Maternal sepsis	670	O85-O86
U045	3. Hypertensive disorders of pregnancy	642	O10-O16

Table F.1.4. **Global Burden of Disease (GBD) (cont.)**

Code	GBD cause name	ICD-9 code	ICD-10 code
U046	4. Obstructed labor	660	O64-O66
U047	5. Abortion	630-639	O00-O07
U048	Other maternal conditions	643-659, 661-665, 667-669, 671-676	O20-O43, O47-O63, O68-O71, O73-O75, O87-O99
U049	D. Conditions arising during the perinatal period	760-779 (minus 771.3)	P00-P96
U050	1. Low birthweight	764-765	P05-P07
U051	2. Birth asphyxia and birth trauma	767-770	P03, P10-P15, P20-P29
U052	Other perinatal conditions	760-763, 766, 771 (minus 771.3), 772-779	P00-P02, P04, P08, P35-P96
U053	E. Nutritional deficiencies	243, 260-269, 280-281, 285.9	E00-E02, E40-E46, E50, D50-D53, D64.9, E51-E64
U054	1. Protein-energy malnutrition	260-263	E40-E46
U055	2. Iodine deficiency	243	E00-E02
U056	3. Vitamin A deficiency	264	E50
U057	4. Iron-deficiency anemia	280, 285.9	D50, D64.9
U058	Other nutritional disorders	265-269, 281	D51-D53, E51-E64
U059	II. Noncommunicable diseases^a	140-242, 244-259, 270-279 (minus 279.5), 282-285 (minus 285.9), 286-319, 324-380, 383-459, 470-478, 490-611, 617-629, 680-759	C00-C97, D00-D48, D55-D64 (minus D64.9) D65-D89, E03-E07, E10-E16, E20-E34, E65-E88, F01-F99, G06-G98, H00-H61, H68-H93, I00-I99, J30-J98, K00-K92, N00-N64, N75-N98, L00-L98, M00-M99, Q00-Q99
U060	A. Malignant neoplasms	140-208	C00-C97
U061	1. Mouth and oropharynx cancers ^b	140-149	C00-C14
U062	2. Esophageal cancer ^b	150	C15
U063	3. Stomach cancer ^b	151	C16
U064	4. Colon and rectal cancers ^b	153-154	C18-C21
U065	5. Liver cancer	155	C22
U066	6. Pancreas cancer	157	C25
U067	7. Trachea, bronchus and lung cancers	162	C33-C34
U068	8. Melanoma and other skin cancers ^b	172-173	C43-C44
U069	9. Breast cancer ^b	174-175	C50
U070	10. Cervix uteri cancer ^b	180	C53
U071	11. Corpus uteri cancer ^b	179, 182	C54-C55
U072	12. Ovarian cancer	183	C56
U073	13. Prostate cancer ^b	185	C61
U074	14. Bladder cancer ^b	188	C67
U075	15. Lymphomas and multiple myeloma ^b	200-203	C81-C90, C96
U076	16. Leukemia ^b	204-208	C91-C95
U077	Other malignant neoplasms ^b	152, 156, 158-161, 163-171, 181, 184, 186-187, 189-199	C17, C23, C24, C26-C32, C37-C41, C45-C49, C51, C52, C57-C60, C62-C66, C68-C80, C97
U078	B. Other neoplasms	210-239	D00-D48
U079	C. Diabetes mellitus	250	E10-E14
U080	D. Endocrine disorders	240-242, 244-246, 251-259, 270-279 (minus 274, 279.5), 282-285 (minus 285.9), 286-289	D55-D64 (minus D64.9), D65-D89, E03-E07, E15-E16, E20-E34, E65-E88
U081	E. Neuropsychiatric conditions	290-319, 324-359	F01-F99, G06-G98
U082	1. Unipolar depressive disorders	296.1, 311	F32-F33
U083	2. Bipolar affective disorder	296 (minus 296.1)	F30-F31
U084	3. Schizophrenia	295	F20-F29
U085	4. Epilepsy	345	G40-G41
U086	5. Alcohol use disorders	291, 303, 305.0	F10
U087	6. Alzheimer's disease and other dementias	290, 330, 331	F01, F03, G30-G31
U088	7. Parkinson's disease	332	G20-G21

Table F.1.4. **Global Burden of Disease (GBD) (cont.)**

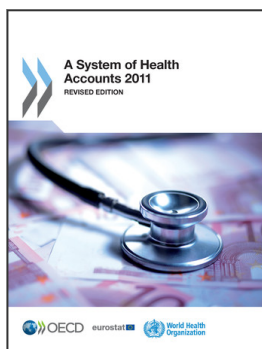
Code	GBD cause name	ICD-9 code	ICD-10 code
U089	8. Multiple sclerosis	340	G35
U090	9. Drug use disorders	304, 305.2-305.9	F11-F16, F18-F19
U091	10. Post-traumatic stress disorder	308-309	F43.1
U092	11. Obsessive-compulsive disorder	300.3	F42
U093	12. Panic disorder	300.2	F40.0, F41.0
U094	13. Insomnia (primary)	307.4	F51
U095	14. Migraine	346	G43
U096	15. Mental retardation, lead-caused	317-319	F70-F79
U097	Other neuropsychiatric disorders	292-294, 297-300.1, 300.4-302, 305.1, 306-307 (minus 307.4), 310, 312-316, 324-326, 333-337, 341-344, 347-349, 350-359	F04-F09, F17, F34-F39, F401-F409, F411-F419, F43 (minus F43.1), F44-F50, F52-F69, F80-F99, G06-G12, G23-G25, G36, G37, G44-G98
U098	F. Sense organ diseases	360-380, 383-389	H00-H61, H68-H93
U099	1. Glaucoma	365	H40
U100	2. Cataracts	366	H25-H26
U101	3. Vision disorders, age-related	367.4	H524
U102	4. Hearing loss, adult onset	389	H90-H91
U103	Other sense organ disorders	360-364, 367-380 (minus 367.4), 383-388	H00-H21, H27-H35, H43-H61 (minus H524), H68-H83, H92-H93
U104	G. Cardiovascular diseases	390-459	I00-I99
U105	1. Rheumatic heart disease	390-398	I01-I09
U106	2. Hypertensive heart disease	401-405	I10-I13
U107	3. Ischemic heart disease ^c	410-414	I20-I25
U108	4. Cerebrovascular disease	430-438	I60-I69
U109	5. Inflammatory heart diseases	420, 421, 422, 425	I30-I33, I38, I40, I42
U110	Other cardiovascular diseases ^c	415-417, 423-424, 426-429, 440-448, 451-459	I00, I26-I28, I34-I37, I44-I51, I70-I99
U111	H. Respiratory diseases	470-478, 490-519	J30-J98
U112	1. Chronic obstructive pulmonary disease	490-492, 495-496	J40-J44
U113	2. Asthma	493	J45-J46
U114	Other respiratory diseases	470-478, 494, 500-508, 510-519	J30-J39, J47-J98
U115	I. Digestive diseases	530-579	K20- K92
U116	1. Peptic ulcer disease	531-533	K25-K27
U117	2. Cirrhosis of the liver	571	K70, K74
U118	3. Appendicitis	540-543	K35-K37
U119	Other digestive diseases	530, 534-537, 550-553, 555-558, 560-570, 572-579	K20-K22, K28-K31, K38, K40-K66, K71-K73, K75-K92
U120	J. Genitourinary diseases	580-611, 617-629	N00-N64, N75-N98
U121	1. Nephritis and nephrosis	580-589	N00-N19
U122	2. Benign prostatic hypertrophy	600	N40
U123	Other genitourinary system diseases	590-599, 601-611, 617-629	N20-N39, N41-N64, N75-N98
U124	K. Skin diseases	680-709	L00-L98
U125	L. Musculoskeletal diseases	710-739, 274	M00-M99
U126	1. Rheumatoid arthritis	714	M05-M06
U127	2. Osteoarthritis	715	M15-M19
U128	3. Gout	274	M10
U129	4. Low back pain	720-724 (minus 721.1, 722.0, 722.4)	M45-M48, M54 (minus M54.2)
U130	Other musculoskeletal disorders	710-713, 716-719, 721.1, 722.0, 722.4, 723, 725-739	M00-M02, M08, M11-M13, M20-M43, M50-M53, M54.2, M55-M99
U131	M. Congenital anomalies	740-759	Q00-Q99
U132	1. Abdominal wall defect	756.7	Q79.2-Q79.5
U133	2. Anencephaly	740.0	Q00
U134	3. Anorectal atresia	751.2	Q42
U135	4. Cleft lip	749.1	Q36
U136	5. Cleft palate	749.0	Q35, Q37

Table F.1.4. **Global Burden of Disease (GBD) (cont.)**

Code	GBD cause name	ICD-9 code	ICD-10 code
U137	6. Esophageal atresia	750.3	Q39.0-Q39.1
U138	7. Renal agenesis	753.0	Q60
U139	8. Down syndrome	758.0	Q90
U140	9. Congenital heart anomalies	745-747	Q20-Q28
U141	10. Spina bifida	741	Q05
U142	Other congenital anomalies	740.1, 740.2, 742-744, 748, 749.2, 750.0, 750.1, 750.2, 750.4-751.1, 751.3-751.9, 752, 753.1-753.9, 754, 755, 756.0-756.6, 756.8, 756.9, 757, 758.1-758.9, 759	Q01-Q04, Q06-Q18, Q30-Q34, Q38, Q392-Q399, Q40-Q41, Q43-Q56, Q61-Q78, Q790, Q791, Q796, Q798, Q799, Q80-Q89, Q91-Q99
U143	N. Oral conditions	520-529	K00-K14
U144	1. Dental caries	521.0	K02
U145	2. Periodontal disease	523	K05
U146	3. Edentulism	—	—
U147	Other oral diseases	520, 521.1-521.9, 522, 524-529	K00, K01, K03, K04, K06-K14
U148	III. Injuries	E800-999	V01-Y89
U149	A. Unintentional injuries^d	E800-949	V01-X59, Y40-Y86, Y88, Y89
U150	1. Road traffic accidents	E810-819, E826-829, E929.0	e
U151	2. Poisonings	E850-869	X40-X49
U152	3. Falls	E880-888	W00-W19
U153	4. Fires	E890-899	X00-X09
U154	5. Drownings	E910	W65-W74
U155	6. Other unintentional injuries	E800-E807, E820-E848, E870-E879, E900-E909, E911-E949	Rest of V, W20-W64, W75-W99, X10-X39, X50-X59, Y40-Y86, Y88, Y89
U156	B. Intentional injuries^d	E950-978, 990-999	X60-Y09, Y35-Y36, Y870, Y871
U157	1. Self-inflicted injuries	E950-959	X60-X84, Y870
U158	2. Violence	E960-969	X85-Y09, Y871
U159	3. War	E990-999	Y36
U160	Other intentional injuries	E970-E978	Y35

- a) Deaths coded to “Symptoms, signs and ill-defined conditions” (780-799 in ICD-9 and R00-R99 in ICD-10) are distributed proportionately to all causes within Group I and Group II.
- b) Cancer deaths coded to ICD categories for malignant neoplasms of other and unspecified sites including those whose point of origin cannot be determined, and secondary and unspecified neoplasms (ICD-10 C76, C80, C97 or ICD-9 195, 199) were redistributed pro rata across the footnoted malignant neoplasm categories within each age-sex group, so that the category “Other malignant neoplasms” includes only malignant neoplasms of other specified sites.
- c) Ischemic heart disease deaths may be miscoded to a number of so-called cardiovascular “garbage” codes. These include heart failure, ventricular dysrhythmias, generalised atherosclerosis, and ill-defined descriptions and complications of heart disease. Proportions of deaths coded to these causes were redistributed to ischemic heart disease as described by Lozano *et al.* (2001). Relevant ICD-9 codes are 427.1, 427.4, 427.5, 428, 429.0, 429.1, 429.2, 429.9, 440.9; relevant ICD-10 codes are I47.2, I49.0, I46, I50, I51.4, I51.5, I51.6, I51.9, I70.9.
- d) Injury deaths where the intent is not determined (E980-989 of ICD-9 and Y10-Y34, Y872 in ICD-10) are distributed proportionately to all causes below the group level for injuries.
- e) For countries with three-digit ICD-10 data, use: V01-V04, V06, V09-V80, V87, V89, V99. For countries with four-digit ICD-10 data, use: V01.1-V01.9, V02.1-V02.9, V03.1-V03.9, V04.1-V04.9, V06.1-V06.9, V09.2, V09.3, V10.4-V10.9, V11.4-V11.9, V12.3-V12.9, V13.3-V13.9, V14.3-V14.9, V15.4-V15.9, V16.4-V16.9, V17.4-V17.9, V18.4-V18.9, V19.4-V19.9, V20.3-V20.9, V21.3-V21.9, V22.3-V22.9, V23.3-V23.9, V24.3-V24.9, V25.3-V25.9, V26.3-V26.9, V27.3-V27.9, V28.3-V28.9, V29.4-V29.9, V30.4-V30.9, V31.4-V31.9, V32.4-V32.9, V33.4-V33.9, V34.4-V34.9, V35.4-V35.9, V36.4-V36.9, V37.4-V37.9, V38.4-V38.9, V39.4-V39.9, V40.4-V40.9, V41.4-V41.9, V42.4-V42.9, V43.4-V43.9, V44.4-V44.9, V45.4-V45.9, V46.4-V46.9, V47.4-V47.9, V48.4-V48.9, V49.4-V49.9, V50.4-V50.9, V51.4-V51.9, V52.4-V52.9, V53.4-V53.9, V54.4-V54.9, V55.4-V55.9, V56.4-V56.9, V57.4-V57.9, V58.4-V58.9, V59.4-V59.9, V60.4-V60.9, V61.4-V61.9, V62.4-V62.9, V63.4-V63.9, V64.4-V64.9, V65.4-V65.9, V66.4-V66.9, V67.4-V67.9, V68.4-V68.9, V69.4-V69.9, V70.4-V70.9, V71.4-V71.9, V72.4-V72.9, V73.4-V73.9, V74.4-V74.9, V75.4-V75.9, V76.4-V76.9, V77.4-V77.9, V78.4-V78.9, V79.4-V79.9, V80.3-V80.5, V81.1, V82.1, V83.0-V83.3, V84.0-V84.3, V85.0-V85.3, V86.0-V86.3, V87.0-V87.8, V89.2, V89.9, V99, Y850.

Source: Global Burden of Disease 2008, forthcoming.



From:
A System of Health Accounts 2011
Revised edition

Access the complete publication at:
<https://doi.org/10.1787/9789264270985-en>

Please cite this chapter as:

OECD/Eurostat/World Health Organization (2017), “Medical Classifications”, in *A System of Health Accounts 2011: Revised edition*, OECD Publishing, Paris.

DOI: <https://doi.org/10.1787/9789264270985-24-en>

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