

Appendix 1.1: ICD codes

Table A1 details the ICD-9, and ICD-10 (for Australia)/ ICD-10-AM (for New Zealand) codes for the avoidable mortality causes and the mortality amenable to health care groupings. For this analysis, there were no differences in the relevant codes in the ICD-10 and ICD-10-AM versions.

Table A1: Avoidable mortality and amenable mortality conditions and ICD codes

Age limit: 0 to 74 years, unless otherwise specified

Major condition group/ condition	ICD-9	ICD-10 [Aust Codes] / ICD-10-AM [NZ Codes]	Limits (age, sex)	Amenable to health care ¹
Infections				
Tuberculosis	010-018,137	A15-A19, B90		✓
Selected invasive bacterial and protozoal infections	034-036, 038, 084, 320, 481, 482, 485, 681, 682	A38-A41, A46, A48.1 B50-B54, G00, G03, J02.0, J13-J15, J18, L03		✓
Hepatitis	070	B15-B19		
HIV/AIDS	042	B20-B24		
Viral pneumonia and influenza	480, 487	J10, J12, J17.1, J21		
Neoplasms				
Lip, oral cavity and pharynx	140-149	C00-C14		
Oesophagus	150	C15		
Stomach	151	C16		
Colorectal	153, 154	C18-C21		✓
Liver	155	C22		
Lung	162	C33, C34		
Melanoma of skin	172	C43		✓
Nonmelanotic skin	173	C44		✓
Breast	174	C50	Female	✓
Cervix	180	C53		✓
Uterus	179, 182	C54, C55		✓
Bladder	188	C67		✓
Thyroid	193	C73		✓
Hodgkin's disease	201	C81		✓
Lymphoid leukaemia – acute/chronic	204.0, 204.1	C91.0, C91.1		✓
Benign	210-229	D10-D36		✓
Nutritional, endocrine and metabolic conditions				
Thyroid disorders	240-246	E00-E07		✓
Diabetes	250	E10-E14		✓ (0.5)
Drug use disorders				
Alcohol related disease	291, 303, 305.0, 425.5, 535.3, 571.0-571.3	F10, I42.6, K29.2, K70		
Illicit drug use disorders	292, 304, 305.2-305.9	F11-F16, F18, F19		

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Table A1: Avoidable mortality and amenable mortality conditions and ICD codes ... continued

Age limit: 0 to 74 years, unless otherwise specified

Major condition group/ condition	ICD-9	ICD-10 [Aust Codes] / ICD-10-AM [NZ Codes]	Limits (age, sex)	Amenable to health care ¹
Neurological disorders				
Epilepsy	345	G40, G41		✓
Cardiovascular diseases				
Rheumatic and other valvular heart disease	390-398	I01-I09		✓
Hypertensive heart disease	402	I11		✓
Ischaemic heart disease	410-414	I20-I25		✓ (0.5)
Cerebrovascular diseases	430-438	I60-I69		✓ (0.5)
Aortic aneurysm	441	I71		
Genitourinary disorders				
Nephritis and nephrosis	403, 580-589, 591	I12, I13, N00-N09, N17- N19		✓
Obstructive uropathy & prostatic hyperplasia	592, 593.7, 594, 598, 599.6, 600	N13, N20, N21, N35, N40, N99.1		✓
Respiratory diseases				
DVT with pulmonary embolism	415.1, 451.1	I26, I80.2		
COPD	490-492, 496	J40-J44	45-74 years	
Asthma	493	J45, J46	0-44 years	✓
Digestive disorders				
Peptic ulcer disease	531-534	K25-K28		✓
Acute abdomen, appendicitis, intestinal obstruction, cholecystitis/ lithiasis, pancreatitis, hernia	540-543, 550-553, 574- 577	K35-K38, K40-K46, K80- K83, K85, K86, K91.5		✓
Chronic liver disease (excluding alcohol related disease)	571.4-571.9	K73, K74		
Maternal & infant causes				
Birth defects	237.70, 740-760	H31.1, P00, P04, Q00- Q99		✓
Complications of perinatal period	764-779	P03, P05-P95		✓
Unintentional injuries				
Road traffic injuries	E810-E819	V01-V04, V06, V09-V80, V87, V89, V99		
Falls	E880-E886, E888	W00-W19		
Fires, burns	E890-E899	X00-X09		
Accidental poisonings	E850-E869	X40-X49		
Drownings	E910	W65-W74		
Intentional injuries				
Suicide and self inflicted injuries	E950-E959, E980-E989	X60-X84, Y87.0, Y10-Y34		
Violence	E960-E969	X85-Y09, Y87.1		

¹ Subset list of conditions amenable to health care, denoted as ✓; or ✓ (0.5) to represent 50% of total deaths in the category

Table A2 shows the conditions excluded on the basis that they represented less than 0.1% (rounded at one decimal place) of all deaths, based on an analysis of deaths over a recent three (Australia) or four (New Zealand) year period. Note that when one country met the 0.1 per cent requirement, the condition was retained.

Table A2: Avoidable mortality conditions excluded from analysis¹

Condition	ICD-9	ICD-10 (Australia); ICD-10-AM (New Zealand)	Percentage of all deaths (%)	
			Aust ²	NZ ²
Diarrhoeal disease	001-009	A00-A09	0.03	0.05
Childhood vaccine-preventable diseases	032-033, 036.0, 037, 041.2, 041.5, 045, 070.2-070.3, 052, 055-056	A35-A37, A39.0, A49.1, A49.2, A80, B01, B05-B06, B16, J11	Child only	Child only
Sexually transmitted diseases except HIV/AIDS	090-099, 614.0-614.5, 614.7-616.9, 633	A50-A64, M02.3, N34.1, N70-N73, N75.0, N75.1, N76.4, N76.6, O00	0.01	0.01
Testis cancer	186	C62	0.02	0.02
Eye cancer	190	C69	0.03	0.02
Nutritional deficiency anemia	280-281	D50-D53	0.03	0.04
Adrenal disorders	255.0, 255.4	E24, E27	0.01	0.01
Newborn screening disorders	255.2, 270.1, 271.1	E25, E70.0, E74.2	0.00	0.00
Ear infections – Otitis media and mastoiditis	381-383	H65-H70	0.00	0.00
Upper respiratory tract infection	382-383, 460-465	J00-J06, H66, H70	0.02	0.04
Osteomyelitis and other osteopathies of bone	730	M86, M89-M90	0.02	0.03
Complication of pregnancy, labor or the puerperium	630-632, 634-676	O01-O99	0.01	0.01
Sports injuries	E884.0, E886.0, E917.0, E927	any external cause code V00-Y99 with an activity code of 0	0.01	0.02
War	E990-E999	Y36	0.00	0.00
Total of all deaths	0.26	0.39

¹ Condition categories were excluded where they represented less than 0.1 per cent of all deaths in both countries

² Percentages were calculated from total deaths over a three or four year period: for Australia: 1997-99; for NZ: 1996-99

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