



CAUSES OF DEATH AUSTRALIA

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- For further information about these and related statistics, contact the National Information Service on 1300 135 070, or Peter Burke on Brisbane 07 3222 6069.

NOTES

ABOUT THIS PUBLICATION

This publication brings together statistics and indicators for deaths, including perinatal deaths registered in Australia. These statistics have been compiled from data made available to the Australian Bureau of Statistics by the Registrar of Births, Deaths and Marriages in each State or Territory.

This issue contains data coded to the tenth revision of the International Classification of Diseases (ICD).

Deaths from external causes are attributed to the event leading to the fatal injury as described in Chapter XX of ICD-10. Data relating to Chapter XIX, Injury, poisoning and certain other consequences of external causes refer to nature of injury and are not relevant to underlying causes of death.



CHANGES IN THIS ISSUE

Table 1.8, Underlying Cause, Indigenous People has been expanded in this issue to include Australian data.

Explanatory and Technical Notes reflect the above and other minor changes made in this publication.



SYMBOLS AND OTHER USAGES

ABS	Australian Bureau of Statistics
ACS	Automated Coding System
AIDS	Acquired Immune Deficiency Syndrome
HIV	Human Immunodeficiency Virus
ICD	International Classification of Diseases (produced by the World Health Organisation)
ICD-9	International Classification of Diseases Revision 9
ICD-9 CM	International Classification of Diseases Revision 9 Clinically Modified
ICD-10	International Classification of Diseases Revision 10
NCHS	National Center for Health Statistics (USA)
WHO	World Health Organization
YPLL	Years of Potential Life Lost
..	not applicable
—	nil or rounded to zero (including null cells)

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SECTION 1

UNDERLYING CAUSE OF DEATH

INTRODUCTION

All deaths registered from 1 January 1999 have been coded using the tenth revision of the International Classification of Diseases (ICD-10). Data for 1998 and 1997 have also been recoded to ICD-10 to assist with comparisons over time. Mortality data coded to ICD-10 are generally comparable at the broad chapter level to deaths coded to ICD-9 (1996 and earlier). Further explanation on the comparability between ICD-9 and ICD-10 as detailed in this publication is provided in Appendix 5.

LEADING CAUSES

There were 128,291 deaths registered in 2000, consisting of 66,817 male and 61,474 female deaths, an increase of 0.1% on the corresponding figure for 1999 (128,102 deaths). Malignant neoplasms and ischaemic heart diseases were the leading causes of death in 2000, accounting for 28% and 21% respectively of total deaths registered.

Cerebrovascular diseases (9.6% of total deaths) were the third major underlying cause of death, followed by diseases of the respiratory system which accounted for 10,907 deaths (8.5% of total deaths).

LEADING CAUSES OF DEATH

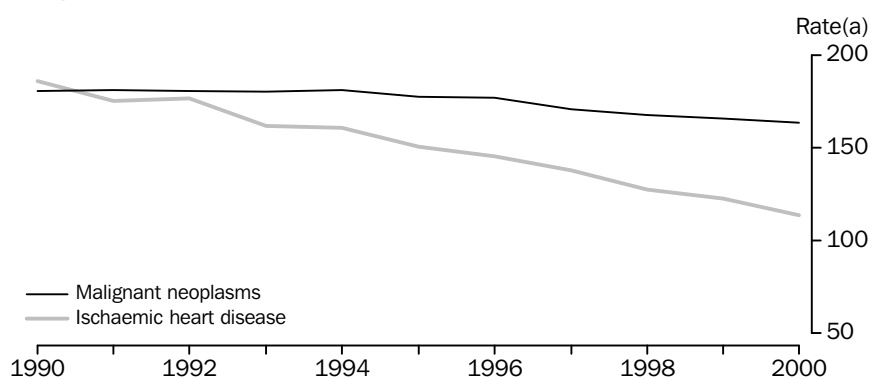
Cause of death and ICD code	Males no.	Females no.	Persons no.	Proportion of total deaths
				%
All causes	66 817	61 474	128 291	100.0
Malignant neoplasms (cancer) (C00–C97)	20 153	15 475	35 628	27.8
Digestive organs (C15–C26)	5 676	4 379	10 055	7.8
Trachea, bronchus and lung (C33, C34)	4 587	2 291	6 878	5.4
Ischaemic heart diseases (I20–I25)	14 052	12 469	26 521	20.7
Cerebrovascular diseases (stroke) (I60–I69)	4 913	7 387	12 300	9.6
Chronic lower respiratory diseases (including asthma, emphysema and bronchitis) (J40–J47)	3 514	2 448	5 962	4.6
Accidents (V01–X59)	3 299	1 839	5 138	4.0
Transport accidents (V01–V99)	1 459	556	2 015	1.6
Diabetes mellitus (E10–E14)	1 594	1 412	3 006	2.3
Influenza and pneumonia (J10–J18)	1 312	1 625	2 937	2.3
Diseases of arteries, arterioles and capillaries (including atherosclerosis and aortic aneurysm) (I70–I79)	1 321	1 296	2 617	2.0
Intentional self-harm (X60–X84)	1 860	503	2 363	1.8
Organic, including symptomatic, mental disorders (F00–F09)	668	1 439	2 107	1.6
All other causes	14 131	15 581	29 712	23.2

TRENDS OVER THE LAST DECADE

While the total number of deaths registered in 2000 was 6.9% greater than the number registered in 1990, the standardised death rate of 566.4 deaths per 100,000 population was 21% lower than the corresponding figure of 715.3 in 1990. These figures are consistent with continuing improvements in life expectancy in Australia.

During the period 1990 to 2000, the pattern of decline of the two leading causes of death, malignant neoplasms and ischaemic heart diseases, which account for nearly half the total deaths, has been quite different. Since 1990, the standardised death rate for malignant neoplasms decreased 9.5%, while the rate for ischaemic heart diseases decreased 39%.

STANDARDISED DEATH RATES, Malignant Neoplasms and Ischaemic Heart Disease



(a) Per 100,000 estimated resident population.

Although the overall standardised death rate for malignant neoplasms has decreased, the decrease has not been uniform across all cancers. While the standardised rate for breast and colon cancer have decreased 21% and 16% respectively since 1990, the rate for cancer of the liver and intrahepatic bile ducts has increased by 46%. Since 1990 the standardised death rate for cancer of the trachea, bronchus and lung has decreased by 10%. However, while the male rate has decreased 20%, there has been a contrasting increase of 14% in the female rate.

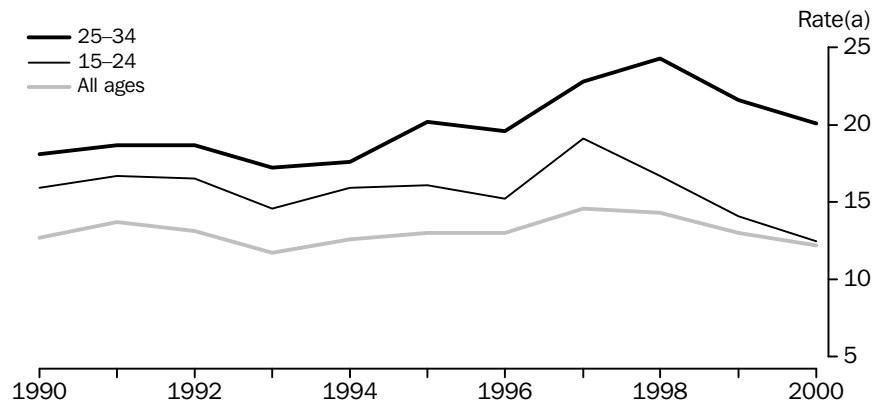
EXTERNAL CAUSES

External causes relate to deaths from accidents, poisonings and violence and were responsible for 8,098 deaths or 6.3% of all deaths registered in 2000. Since 1990 there has been a 13% decrease in the standardised death rate for deaths from external causes, mainly due to a 37% decrease in the rate for transport accidents.

In 2000, there were 2,363 deaths attributed to intentional self harm (suicide), 5.2% lower than the 1999 figure and 13% lower than the record 2,723 deaths registered in 1997. Deaths as a result of suicide account for more than one in five deaths of persons aged 25–34 years (a rate of 20.1 per 100,000 persons) and 15–24 years (12.5 per 100,000).

The rate of suicide in 2000 is similar to that in 1990 with the male rate being approximately four times the female rate throughout this period. However, there was considerable fluctuation within age groups during this decade resulting in a widening of the gap between death rates for the 15–24 years and 25–34 years age groups from 1997.

STANDARDISED DEATH RATES, Intentional self-harm (suicide)



(a) Per 100,000 estimated resident population.

DEATHS OF ABORIGINAL AND TORRES STRAIT ISLANDER PERSONS

While deaths of Aboriginal and Torres Strait Islander Australians are known to be underenumerated (see Appendix 6), the comparison of Indigenous deaths with non-Indigenous deaths highlights some major differences. The two leading causes of deaths for Indigenous and non-Indigenous are the same with ischaemic heart disease causing 17% of all Indigenous deaths and malignant neoplasms 16%, compared to 21% and 28% respectively for non-Indigenous population. External causes account for 15% of Indigenous deaths compared to 6.2% of non-Indigenous deaths. Diabetes accounts for 8% of Indigenous deaths compared to 2% of non-Indigenous deaths.

1.1 UNDERLYING CAUSE, Selected Causes

Cause of death and ICD code	NUMBERS.....			PERCENTAGE OF ALL DEATHS.....		
	Males	Females	Persons	Males	Females	Persons
All causes	66 817	61 474	128 291	100.0	100.0	100.0
Chapter I Certain infectious and parasitic diseases (A00–B99)	867	779	1 646	1.3	1.3	1.3
Human immunodeficiency virus (HIV) disease (B20–B24)	127	10	137	0.2	—	0.1
Chapter II Neoplasms (C00–D48)	20 545	15 829	36 374	30.7	25.7	28.4
Malignant neoplasms (C00–C97)	20 153	15 475	35 628	30.2	25.2	27.8
Digestive organs (C15–C26)	5 676	4 379	10 055	8.5	7.1	7.8
Respiratory and intrathoracic organs (C30–C39)	4 847	2 362	7 209	7.3	3.8	5.6
Breast (C50)	19	2 511	2 530	—	4.1	2.0
Female genital organs (C51–C58)	..	1 402	1 402	..	2.3	1.1
Male genital organs (C60–C63)	2 700	..	2 700	4.0	..	2.1
Eye, brain and other parts of central nervous system (C69–C72)	654	457	1 111	1.0	0.7	0.9
Lymphoid, haematopoietic and related tissue (C81–C96)	2 062	1 682	3 744	3.1	2.7	2.9
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	392	354	746	0.6	0.6	0.6
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	190	223	413	0.3	0.4	0.3
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	2 141	2 016	4 157	3.2	3.3	3.2
Diabetes mellitus (E10–E14)	1 594	1 412	3 006	2.4	2.3	2.3
Chapter V Mental and behavioural disorders (F00–F99)	1 358	1 716	3 074	2.0	2.8	2.4
Organic, including symptomatic, mental disorders (F00–F09)	668	1 439	2 107	1.0	2.3	1.6
Psychoactive substance use (F10–F19)	656	197	853	1.0	0.3	0.7
Chapter VI Diseases of the nervous system (G00–G99)	1 839	2 200	4 039	2.8	3.6	3.1
Extrapyramidal and movement disorders (G20–G26)	519	351	870	0.8	0.6	0.7
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	1	1	—	—	—
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	4	5	9	—	—	—
Chapter IX Diseases of the circulatory system (I00–I99)	23 756	25 931	49 687	35.6	42.2	38.7
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	17 172	16 747	33 919	25.7	27.2	26.4
Acute rheumatic fever and chronic rheumatic heart disease (I00–I09)	101	164	265	0.2	0.3	0.2
Hypertensive diseases (I10–I15)	449	753	1 202	0.7	1.2	0.9
Ischaemic heart diseases (I20–I25)	14 052	12 469	26 521	21.0	20.3	20.7
Pulmonary heart disease and diseases of pulmonary circulation (I26–I28)	188	290	478	0.3	0.5	0.4
Other forms of heart disease (I30–I52)	2 607	3 423	6 030	3.9	5.6	4.7
Cerebrovascular diseases (I60–I69)	4 913	7 387	12 300	7.4	12.0	9.6
Diseases of arteries, arterioles and capillaries (I70–I79)	1 321	1 296	2 617	2.0	2.1	2.0
Chapter X Diseases of the respiratory system (J00–J99)	5 923	4 984	10 907	8.9	8.1	8.5
Influenza and pneumonia (J10–J18)	1 312	1 625	2 937	2.0	2.6	2.3
Chronic lower respiratory diseases (J40–J47)	3 514	2 448	5 962	5.3	4.0	4.6
Chapter XI Diseases of the digestive system (K00–K93)	2 063	2 078	4 141	3.1	3.4	3.2
Diseases of oesophagus, stomach and duodenum (K20–K31)	331	360	691	0.5	0.6	0.5
Diseases of liver (K70–K77)	805	357	1 162	1.2	0.6	0.9
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	99	153	252	0.1	0.2	0.2
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	279	573	852	0.4	0.9	0.7
Chapter XIV Diseases of the genitourinary system (N00–N99)	1 186	1 506	2 692	1.8	2.4	2.1
Glomerular diseases (N00–N08)	44	38	82	0.1	0.1	0.1
Renal failure (N17–N19)	802	913	1 715	1.2	1.5	1.3
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	15	15	..	—	—
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	360	282	642	0.5	0.5	0.5
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	326	284	610	0.5	0.5	0.5
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	364	318	682	0.5	0.5	0.5
Chapter XX External causes of morbidity and mortality (V01–Y98)	5 517	2 581	8 098	8.3	4.2	6.3
Accidents (V01–X59)	3 299	1 839	5 138	4.9	3.0	4.0
Transport accidents (V01–V99)	1 459	556	2 015	2.2	0.9	1.6
Falls (W00–W19)	308	257	565	0.5	0.4	0.4
Accidental drowning and submersion (W65–W74)	179	50	229	0.3	0.1	0.2
Intentional self-harm (X60–X84)	1 860	503	2 363	2.8	0.8	1.8
Assault (X85–Y09)	197	116	313	0.3	0.2	0.2

1.2 UNDERLYING CAUSE, Selected Causes and Age at Death

Cause of death and ICD code	NUMBER OF DEATHS			PERCENTAGE OF ALL DEATHS OF SAME AGE AND SEX.....		
	Males	Females	Persons	Males	Females	Persons
Under 1 year	725	565	1 290	100.0	100.0	100.0
Certain conditions originating in the perinatal period (P00–P96)	355	281	636	49.0	49.7	49.3
Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery (P00–P04)	177	137	314	24.4	24.2	24.3
Disorders related to short gestation and low birthweight, not elsewhere classified (P07)	21	18	39	2.9	3.2	3.0
Respiratory and cardiovascular disorders specific to the perinatal period (P20–P29)	77	71	148	10.6	12.6	11.5
Infections specific to the perinatal period (P35–P39)	21	15	36	2.9	2.7	2.8
Haemorrhagic and haematological disorders of fetus and newborn (P50–P61)	19	10	29	2.6	1.8	2.2
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	181	142	323	25.0	25.1	25.0
Congenital malformations of the nervous system (Q00–Q07)	27	28	55	3.7	5.0	4.3
Congenital malformations of circulatory system (Q20–Q28)	58	47	105	8.0	8.3	8.1
Congenital malformations of the respiratory system (Q30–Q34)	15	9	24	2.1	1.6	1.9
Sudden infant death syndrome (R95)	81	48	129	11.2	8.5	10.0
1–14 years	377	264	641	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	54	46	100	14.3	17.4	15.6
Brain (C71)	20	15	35	5.3	5.7	5.5
Lymphoid, haematopoietic and related tissue (C81–C96)	22	11	33	5.8	4.2	5.1
Leukaemia (C91–C95)	21	10	31	5.6	3.8	4.8
Diseases of the nervous system (G00–G99)	39	26	65	10.3	9.8	10.1
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	24	30	54	6.4	11.4	8.4
External causes of morbidity and mortality (V01–Y98)	191	94	285	50.7	35.6	44.5
Transport accidents (V01–V99)	80	45	125	21.2	17.0	19.5
Accidental drowning and submersion (W65–W74)	52	12	64	13.8	4.5	10.0
15–24 years	1 201	463	1 664	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	64	54	118	5.3	11.7	7.1
Lymphoid, haematopoietic and related tissue (C81–C96)	25	20	45	2.1	4.3	2.7
Leukaemia (C91–C95)	18	16	34	1.5	3.5	2.0
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	86	28	114	7.2	6.0	6.9
Diseases of the nervous system (G00–G99)	54	14	68	4.5	3.0	4.1
External causes of morbidity and mortality (V01–Y98)	874	284	1 158	72.8	61.3	69.6
Transport accidents (V01–V99)	392	130	522	32.6	28.1	31.4
Intentional self-harm (X60–X84)	263	75	338	21.9	16.2	20.3
25–34 years	1 852	698	2 550	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	130	132	262	7.0	18.9	10.3
Digestive organs (C15–C26)	28	21	49	1.5	3.0	1.9
Melanoma of skin (C43)	12	13	25	0.6	1.9	1.0
Breast (C50)	1	28	29	0.1	4.0	1.1
Brain (C71)	20	9	29	1.1	1.3	1.1
Lymphoid, haematopoietic and related tissue (C81–C96)	33	23	56	1.8	3.3	2.2
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	159	42	201	8.6	6.0	7.9
Diseases of the circulatory system (I00–I99)	125	68	193	6.7	9.7	7.6
Ischaemic heart diseases (I20–I25)	48	11	59	2.6	1.6	2.3
Acute myocardial infarction (I21)	21	6	27	1.1	0.9	1.1
Diseases of the digestive system (K00–K93)	16	14	30	0.9	2.0	1.2
Diseases of liver (K70–K77)	8	8	16	0.4	1.1	0.6
External causes of morbidity and mortality (V01–Y98)	1 217	304	1 521	65.7	43.6	59.6
Transport accidents (V01–V99)	311	79	390	16.8	11.3	15.3
Intentional self-harm (X60–X84)	475	106	581	25.6	15.2	22.8

1.2 UNDERLYING CAUSE, Selected Causes and Age at Death *continued*

Cause of death and ICD code	NUMBER OF DEATHS			PERCENTAGE OF ALL DEATHS OF SAME AGE AND SEX.....		
	Males	Females	Persons	Males	Females	Persons
35–44 years	2 459	1 308	3 767	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	405	533	938	16.5	40.7	24.9
Digestive organs (C15–C26)	123	74	197	5.0	5.7	5.2
Melanoma of skin (C43)	41	39	80	1.7	3.0	2.1
Breast (C50)	2	188	190	0.1	14.4	5.0
Brain (C71)	57	26	83	2.3	2.0	2.2
Lymphoid, haematopoietic and related tissue (C81–C96)	65	45	110	2.6	3.4	2.9
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	164	39	203	6.7	3.0	5.4
Diseases of the circulatory system (I00–I99)	439	173	612	17.9	13.2	16.2
Ischaemic heart diseases (I20–I25)	273	59	332	11.1	4.5	8.8
Acute myocardial infarction (I21)	116	25	141	4.7	1.9	3.7
Diseases of the digestive system (K00–K93)	79	40	119	3.2	3.1	3.2
Diseases of liver (K70–K77)	65	27	92	2.6	2.1	2.4
External causes of morbidity and mortality (V01–Y98)	1 014	328	1 342	41.2	25.1	35.6
Transport accidents (V01–V99)	211	72	283	8.6	5.5	7.5
Intentional self-harm (X60–X84)	444	132	576	18.1	10.1	15.3
45–54 years	4 036	2 544	6 580	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	1 413	1 423	2 836	35.0	55.9	43.1
Digestive organs (C15–C26)	452	264	716	11.2	10.4	10.9
Colon (C18)	123	97	220	3.0	3.8	3.3
Trachea, bronchus and lung (C33, C34)	252	194	446	6.2	7.6	6.8
Breast (C50)	1	442	443	—	17.4	6.7
Lymphoid, haematopoietic and related tissue (C81–C96)	154	120	274	3.8	4.7	4.2
Diseases of the circulatory system (I00–I99)	1 079	385	1 464	26.7	15.1	22.2
Ischaemic heart diseases (I20–I25)	769	175	944	19.1	6.9	14.3
Acute myocardial infarction (I21)	341	82	423	8.4	3.2	6.4
Cerebrovascular diseases (I60–I69)	116	106	222	2.9	4.2	3.4
Diseases of the respiratory system (J00–J99)	121	103	224	3.0	4.0	3.4
Disease of the digestive system (K00–K93)	222	106	328	5.5	4.2	5.0
Diseases of liver (K70–K77)	168	68	236	4.2	2.7	3.6
External causes of morbidity and mortality (V01–Y98)	676	207	883	16.7	8.1	13.4
Transport accidents (V01–V99)	176	52	228	4.4	2.0	3.5
Intentional self-harm (X60–X84)	291	67	358	7.2	2.6	5.4
55–64 years	7 137	4 168	11 305	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	3 210	2 281	5 491	45.0	54.7	48.6
Digestive organs (C15–C26)	1 015	551	1 566	14.2	13.2	13.9
Colon (C18)	348	236	584	4.9	5.7	5.2
Trachea, bronchus and lung (C33, C34)	858	396	1 254	12.0	9.5	11.1
Breast (C50)	5	496	501	0.1	11.9	4.4
Female genital organs (C51–C58)	..	238	238	..	5.7	2.1
Male genital organs (C60–C63)	158	..	158	2.2	..	1.4
Diseases of the circulatory system (I00–I99)	2 103	809	2 912	29.5	19.4	25.8
Ischaemic heart diseases (I20–I25)	1 483	417	1 900	20.8	10.0	16.8
Acute myocardial infarction (I21)	741	220	961	10.4	5.3	8.5
Cerebrovascular diseases (I60–I69)	266	191	457	3.7	4.6	4.0
Diseases of the respiratory system (J00–J99)	410	280	690	5.7	6.7	6.1
Chronic lower respiratory diseases (J40–J47)	271	210	481	3.8	5.0	4.3
Diseases of the digestive system (K00–K93)	312	127	439	4.4	3.0	3.9
External causes of morbidity and mortality (V01–Y98)	391	178	569	5.5	4.3	5.0

1.2 UNDERLYING CAUSE, Selected Causes and Age at Death *continued*

Cause of death and ICD code	NUMBER OF DEATHS			PERCENTAGE OF ALL DEATHS OF SAME AGE AND SEX.....		
	Males	Females	Persons	Males	Females	Persons
65–74 years	15 042	9 078	24 120	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	6 213	3 720	9 933	41.3	41.0	41.2
Digestive organs (C15–C26)	1 828	1 032	2 860	12.2	11.4	11.9
Colon (C18)	546	390	936	3.6	4.3	3.9
Trachea, bronchus and lung (C33, C34)	1 639	727	2 366	10.9	8.0	9.8
Breast (C50)	2	503	505	—	5.5	2.1
Prostate (C61)	687	..	687	4.6	..	2.8
Lymphoid, haematopoietic and related tissue (C81–C96)	577	387	964	3.8	4.3	4.0
Endocrine, nutritional and metabolic diseases (E00–E90)	581	408	989	3.9	4.5	4.1
Diabetes mellitus (E10–E14)	462	320	782	3.1	3.5	3.2
Diseases of the nervous system (G00–G99)	299	260	559	2.0	2.9	2.3
Alzheimer's disease (G30)	54	68	122	0.4	0.7	0.5
Diseases of the circulatory system (I00–I99)	5 139	2 808	7 947	34.2	30.9	32.9
Ischaemic heart diseases (I20–I25)	3 317	1 581	4 898	22.1	17.4	20.3
Acute myocardial infarction (I21)	1 830	954	2 784	12.2	10.5	11.5
Cerebrovascular diseases (I60–I69)	930	646	1 576	6.2	7.1	6.5
Diseases of the respiratory system (J00–J99)	1 330	828	2 158	8.8	9.1	8.9
Chronic lower respiratory diseases (J40–J47)	946	602	1 548	6.3	6.6	6.4
Diseases of the digestive system (K00–K93)	453	264	717	3.0	2.9	3.0
75–84 years	21 261	18 720	39 981	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	6 335	4 589	10 924	29.8	24.5	27.3
Digestive organs (C15–C26)	1 663	1 457	3 120	7.8	7.8	7.8
Colon (C18)	513	532	1 045	2.4	2.8	2.6
Trachea, bronchus and lung (C33, C34)	1 433	697	2 130	6.7	3.7	5.3
Breast (C50)	5	518	523	—	2.8	1.3
Male genital organs (C60–C63)	1 170	..	1 170	5.5	..	2.9
Prostate (C61)	1 160	..	1 160	5.5	..	2.9
Lymphoid, haematopoietic and related tissue (C81–C96)	656	548	1 204	3.1	2.9	3.0
Endocrine, nutritional and metabolic diseases (E00–E90)	667	664	1 331	3.1	3.5	3.3
Diabetes mellitus (E10–E14)	516	480	996	2.4	2.6	2.5
Diseases of the nervous system (G00–G99)	697	645	1 342	3.3	3.4	3.4
Alzheimer's disease (G30)	222	305	527	1.0	1.6	1.3
Diseases of the circulatory system (I00–I99)	8 734	8 499	17 233	41.1	45.4	43.1
Ischaemic heart diseases (I20–I25)	5 039	4 177	9 216	23.7	22.3	23.1
Acute myocardial infarction (I21)	2 868	2 489	5 357	13.5	13.3	13.4
Cerebrovascular diseases (I60–I69)	1 959	2 441	4 400	9.2	13.0	11.0
Diseases of arteries, arterioles and capillaries (I70–I79)	560	428	988	2.6	2.3	2.5
Diseases of the respiratory system (J00–J99)	2 338	1 586	3 924	11.0	8.5	9.8
Chronic lower respiratory diseases (J40–J47)	1 457	888	2 345	6.9	4.7	5.9
Diseases of the digestive system (K00–K93)	575	670	1 245	2.7	3.6	3.1
Diseases of the genitourinary system (N00–N99)	538	533	1 071	2.5	2.8	2.7
External causes of morbidity and mortality (V01–Y98)	414	364	778	1.9	1.9	1.9
Falls (W00–W19)	71	80	151	0.3	0.4	0.4

1.2 UNDERLYING CAUSE, Selected Causes and Age at Death *continued*

Cause of death and ICD code	NUMBER OF DEATHS			PERCENTAGE OF ALL DEATHS OF SAME AGE AND SEX.....		
	Males	Females	Persons	Males	Females	Persons
85 years and over	12 709	23 664	36 373	100.0	100.0	100.0
Malignant neoplasms (C00–C97)	2 326	2 694	5 020	18.3	11.4	13.8
Digestive organs (C15–C26)	559	975	1 534	4.4	4.1	4.2
Colon (C18)	181	375	556	1.4	1.6	1.5
Pancreas (C25)	73	160	233	0.6	0.7	0.6
Trachea, bronchus and lung (C33, C34)	349	238	587	2.7	1.0	1.6
Breast (C50)	3	335	338	—	1.4	0.9
Male genital organs (C60–C63)	636	..	636	5.0	..	1.7
Prostate (C61)	633	..	633	5.0	..	1.7
Lymphoid, haematopoietic and related tissue (C81–C96)	213	326	539	1.7	1.4	1.5
Endocrine, nutritional and metabolic diseases (E00–E90)	368	635	1 003	2.9	2.7	2.8
Diabetes mellitus (E10–E14)	289	432	721	2.3	1.8	2.0
Diseases of the nervous system (G00–G99)	357	969	1 326	2.8	4.1	3.6
Alzheimer's disease (G30)	167	716	883	1.3	3.0	2.4
Diseases of the circulatory system (I00–I99)	6 087	13 159	19 246	47.9	55.6	52.9
Ischaemic heart diseases (I20–I25)	3 110	6 048	9 158	24.5	25.6	25.2
Acute myocardial infarction (I21)	1 665	3 254	4 919	13.1	13.8	13.5
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	906	2 064	2 970	7.1	8.7	8.2
Heart failure (I50)	485	1 133	1 618	3.8	4.8	4.4
Cerebrovascular diseases (I60–I69)	1 560	3 922	5 482	12.3	16.6	15.1
Diseases of arteries, arterioles and capillaries (I70–I79)	326	656	982	2.6	2.8	2.7
Diseases of the respiratory system (J00–J99)	1 608	2 095	3 703	12.7	8.9	10.2
Influenza and pneumonia (J10–J18)	591	1 070	1 661	4.7	4.5	4.6
Chronic lower respiratory diseases (J40–J47)	719	628	1 347	5.7	2.7	3.7
Diseases of the digestive system (K00–K93)	396	854	1 250	3.1	3.6	3.4
Diseases of the genitourinary system (N00–N99)	430	729	1 159	3.4	3.1	3.2
Renal failure (N17–N19)	289	456	745	2.3	1.9	2.0
External causes of morbidity and mortality (V01–Y98)	340	582	922	2.7	2.5	2.5
Falls (W00–W19)	62	108	170	0.5	0.5	0.5

1.3 UNDERLYING CAUSE, Age-Specific Rates

Cause of death and ICD code	1990(a).....			2000(a).....		
	Males	Females	Persons	Males	Females	Persons
Under 1 year	9.05	7.23	8.17	5.66	4.65	5.17
Certain conditions originating in the perinatal period (P00–P96)	3.91	2.88	3.41	2.77	2.31	2.55
Disorders related to short gestation and low birthweight, not elsewhere classified (P07)	1.01	0.91	0.96	0.16	0.15	0.16
Respiratory and cardiovascular disorders specific to the perinatal period (P20–P29)	1.81	1.11	1.47	0.60	0.58	0.59
Infections specific to the perinatal period (P35–P39)	0.33	0.16	0.25	0.16	0.12	0.14
Haemorrhagic and haematological disorders of fetus and newborn (P50–P61)	0.34	0.36	0.35	0.15	0.08	0.12
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2.15	1.94	2.04	1.41	1.17	1.29
Congenital malformations of the nervous system (Q00–Q07)	0.30	0.43	0.37	0.21	0.23	0.22
Congenital malformations of the circulatory system (Q20–Q28)	0.66	0.52	0.59	0.45	0.39	0.42
Congenital malformations of the respiratory system (Q30–Q34)	0.29	0.21	0.25	0.12	0.07	0.10
Sudden infant death syndrome (R95)	2.12	1.62	1.87	0.63	0.40	0.52
1–14 years	30.1	20.5	25.5	20.0	14.8	17.4
Malignant neoplasms (C00–C97)	4.2	3.1	3.6	2.9	2.6	2.7
Brain (C71)	1.1	1.0	1.0	1.1	0.8	1.0
Lymphoid, haematopoietic and related tissue (C81–C96)	1.7	0.9	1.3	1.2	0.6	0.9
Leukaemia (C91–C95)	1.6	0.8	1.2	1.1	0.6	0.8
Diseases of the nervous system (G00–G99)	2.3	1.4	1.9	2.1	1.5	1.8
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2.4	2.9	2.7	1.3	1.7	1.5
External causes of morbidity and mortality (V01–Y98)	16.2	9.0	12.7	10.1	5.3	7.8
Transport accidents (V01–V99)	7.7	4.6	6.2	4.2	2.5	3.4
Accidental drowning and submersion (W65–W74)	4.1	2.1	3.1	2.8	0.7	1.7
15–24 years	115.7	41.6	79.3	86.7	35.0	61.4
Malignant neoplasms (C00–C97)	6.3	4.0	5.2	4.6	4.1	4.4
Lymphoid, haematopoietic and related tissue (C81–C96)	2.9	1.5	2.2	1.8	1.5	1.7
Leukaemia (C91–C95)	1.7	1.3	1.5	1.3	1.2	1.3
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	3.8	1.9	2.9	6.2	2.1	4.2
Diseases of the nervous system (G00–G99)	3.0	1.8	2.4	3.9	1.1	2.5
External causes of morbidity and mortality (V01–Y98)	89.6	24.8	57.8	63.1	21.5	42.7
Transport accidents (V01–V99)	46.0	15.1	30.8	28.3	9.8	19.3
Intentional self-harm (X60–X84)	27.0	4.4	15.9	19.0	5.7	12.5
25–34 years	139.5	50.0	95.0	127.5	48.3	88.0
Malignant neoplasms (C00–C97)	13.6	12.6	13.1	8.9	9.1	9.0
Digestive organs (C15–C26)	1.7	1.6	1.7	1.9	1.5	1.7
Melanoma of skin (C43)	1.6	1.3	1.5	0.8	0.9	0.9
Breast (C50)	—	2.4	1.2	0.1	1.9	1.0
Brain (C71)	2.0	1.1	1.6	1.4	0.6	1.0
Lymphoid, haematopoietic and related tissue (C81–C96)	4.3	2.0	3.2	2.3	1.6	1.9
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	9.8	2.4	6.1	10.9	2.9	6.9
Diseases of the circulatory system (I00–I99)	9.5	4.9	7.2	8.6	4.7	6.7
Ischaemic heart disease (I20–I25)	3.7	0.8	2.2	3.3	0.8	2.0
Acute myocardial infarction (I21)	2.0	0.6	1.3	1.4	0.4	0.9
Diseases of the digestive system (K00–K93)	3.5	0.9	2.2	1.1	1.0	1.0
Diseases of liver (K70–K77)	2.7	0.8	1.7	0.6	0.6	0.6
External causes of morbidity and mortality (V01–Y98)	83.1	19.2	51.3	83.8	21.0	52.5
Transport accidents (V01–V99)	31.3	6.5	19.0	21.4	5.5	13.5
Intentional self-harm (X60–X84)	29.1	7.0	18.1	32.7	7.3	20.1

(a) Deaths per 100,000 of the estimated mid-year population for each age group other than age under 1 year; deaths per 1,000 live births for age under 1 year. See Glossary for further explanation.

1.3 UNDERLYING CAUSE, Age-Specific Rates *continued*

Cause of death and ICD code	1990(a).....			2000(a).....		
	Males	Females	Persons	Males	Females	Persons
35–44 years	179.1	94.4	137.1	167.4	88.8	128.1
Malignant neoplasms (C00–C97)	37.9	48.4	43.1	27.6	36.2	31.9
Digestive organs (C15–C26)	9.3	5.8	7.6	8.4	5.0	6.7
Melanoma of skin (C43)	3.7	3.7	3.7	2.8	2.6	2.7
Breast (C50)	—	16.9	8.4	0.1	12.8	6.5
Brain (C71)	4.0	2.4	3.2	3.9	1.8	2.8
Lymphoid, haematopoietic and related tissue (C81–C96)	7.9	3.3	5.6	4.4	3.1	3.7
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	5.0	0.9	3.0	11.2	2.6	6.9
Diseases of the circulatory system (I00–I99)	36.7	11.4	24.1	29.9	11.7	20.8
Ischaemic heart disease (I20–I25)	24.8	4.9	14.9	18.6	4.0	11.3
Acute myocardial infarction (I21)	16.1	3.7	10.0	7.9	1.7	4.8
Diseases of the digestive system (K00–K93)	9.1	3.5	6.3	5.4	2.7	4.0
Diseases of liver (K70–K77)	7.0	2.6	4.8	4.4	1.8	3.1
External causes of morbidity and mortality (V01–Y98)	62.2	18.2	40.4	69.0	22.3	45.6
Transport accidents (V01–V99)	18.3	6.6	12.5	14.4	4.9	9.6
Intentional self-harm (X60–X84)	25.4	5.9	15.7	30.2	9.0	19.6
45–54 years	414.4	250.4	334.4	310.0	197.9	254.3
Malignant neoplasms (C00–C97)	135.4	140.4	137.9	108.5	110.7	109.6
Digestive organs (C15–C26)	40.6	29.9	35.4	34.7	20.5	27.7
Colon (C18)	12.4	14.7	13.5	9.4	7.5	8.5
Trachea, bronchus and lung (C33, C34)	32.5	14.2	23.6	19.4	15.1	17.2
Breast (C50)	—	45.9	22.4	0.1	34.4	17.1
Lymphoid, haematopoietic and related tissue (C81–C96)	12.9	7.8	10.4	11.8	9.3	10.6
Diseases of the circulatory system (I00–I99)	146.0	45.7	97.1	82.9	29.9	56.6
Ischaemic heart disease (I20–I25)	102.4	21.3	62.8	59.1	13.6	36.5
Acute myocardial infarction (I21)	67.8	14.7	41.9	26.2	6.4	16.3
Cerebrovascular diseases (I60–I69)	18.6	13.1	15.9	8.9	8.2	8.6
Diseases of the respiratory system (J00–J99)	15.5	11.5	13.5	9.3	8.0	8.7
Diseases of the digestive system (K00–K93)	23.0	8.9	16.1	17.1	8.2	12.7
Diseases of liver (K70–K77)	17.9	5.2	11.7	12.9	5.3	9.1
External causes of morbidity and mortality (V01–Y98)	56.4	21.7	39.5	51.9	16.1	34.1
Transport accidents (V01–V99)	18.5	8.0	13.4	13.5	4.0	8.8
Intentional self-harm (X60–X84)	21.4	6.8	14.3	22.3	5.2	13.8
55–64 years	1 279.6	659.0	970.3	812.3	484.5	650.1
Malignant neoplasms (C00–C97)	480.7	322.8	402.0	365.3	265.2	315.8
Digestive organs (C15–C26)	139.0	87.7	113.4	115.5	64.1	90.1
Colon (C18)	44.5	36.4	40.5	39.6	27.4	33.6
Trachea, bronchus and lung (C33, C34)	147.3	48.9	98.3	97.7	46.0	72.1
Breast (C50)	0.7	69.5	35.0	0.6	57.7	28.8
Female genital organs (C51–C58)	..	37.5	18.7	..	27.7	13.7
Male genital organs (C60–C63)	22.5	..	11.3	18.0	..	9.1
Diseases of the circulatory system (I00–I99)	509.7	189.0	349.9	239.4	94.0	167.5
Ischaemic heart disease (I20–I25)	370.7	114.1	242.9	168.8	48.5	109.3
Acute myocardial infarction (I21)	251.2	81.1	166.5	84.3	25.6	55.3
Cerebrovascular diseases (I60–I69)	61.4	38.5	50.0	30.3	22.2	26.3
Diseases of the respiratory system (J00–J99)	77.9	43.6	60.8	46.7	32.5	39.7
Chronic lower respiratory diseases (J40–J47)	61.2	36.0	48.7	30.8	24.4	27.7
Diseases of the digestive system (K00–K93)	54.6	21.4	38.0	35.5	14.8	25.2
External causes of morbidity and mortality (V01–Y98)	71.3	25.1	48.3	44.5	20.7	32.7

(a) Deaths per 100,000 of the estimated mid-year population for each age group other than age under 1 year; deaths per 1,000 live births for age under 1 year. See Glossary for further explanation.

1.3 UNDERLYING CAUSE, Age-Specific Rates *continued*

Cause of death and ICD code	1990(a).....			2000(a).....		
	Males	Females	Persons	Males	Females	Persons
65–74 years	3 233.7	1 751.3	2 436.1	2 410.8	1 344.2	1 856.4
Malignant neoplasms (C00–C97)	1 075.5	592.5	815.6	995.7	550.8	764.5
Digestive organs (C15–C26)	312.0	167.3	234.2	293.0	152.8	220.1
Colon (C18)	101.0	69.3	83.9	87.5	57.7	72.0
Trachea, bronchus and lung (C33, C34)	315.8	92.7	195.8	262.7	107.6	182.1
Breast (C50)	1.1	96.6	52.5	0.3	74.5	38.9
Prostate (C61)	123.6	..	57.1	110.1	..	52.9
Lymphoid, haematopoietic and related tissue (C81–C96)	79.6	58.8	68.4	92.5	57.3	74.2
Endocrine, nutritional and metabolic diseases (E00–E90)	81.3	51.2	65.1	93.1	60.4	76.1
Diabetes mellitus (E10–E14)	65.6	41.0	52.4	74.0	47.4	60.2
Diseases of the nervous system (G00–G99)	43.3	30.7	36.5	47.9	38.5	43.0
Alzheimer's disease (G30)	7.9	10.0	9.0	8.7	10.1	9.4
Diseases of the circulatory system (I00–I99)	1 451.1	756.5	1 077.4	823.6	415.8	611.6
Ischaemic heart disease (I20–I25)	995.2	473.5	714.5	531.6	234.1	377.0
Acute myocardial infarction (I21)	683.3	344.3	500.9	293.3	141.3	214.3
Cerebrovascular diseases (I60–I69)	216.5	157.3	184.6	149.0	95.7	121.3
Diseases of the respiratory system (J00–J99)	300.6	130.3	209.0	213.2	122.6	166.1
Chronic lower respiratory diseases (J40–J47)	238.1	102.2	165.0	151.6	89.1	119.1
Diseases of the digestive system (K00–K93)	98.6	60.1	77.9	72.6	39.1	55.2
75–84 years	8 030.6	5 002.8	6 199.6	6 325.0	3 961.4	4 943.8
Malignant neoplasms (C00–C97)	1 992.7	951.9	1 363.3	1 884.6	971.1	1 350.8
Digestive organs (C15–C26)	537.2	317.8	404.5	494.7	308.3	385.8
Colon (C18)	190.4	118.6	147.0	152.6	112.6	129.2
Trachea, bronchus and lung (C33, C34)	490.4	108.3	259.4	426.3	147.5	263.4
Breast (C50)	1.7	130.0	79.3	1.5	109.6	64.7
Male genital organs (C60–C63)	387.6	..	153.2	348.1	..	144.7
Prostate (C61)	385.4	..	152.4	345.1	..	143.4
Lymphoid, haematopoietic and related tissue (C81–C96)	168.3	107.8	131.7	195.2	116.0	148.9
Endocrine, nutritional and metabolic diseases (E00–E90)	178.5	141.9	156.4	198.4	140.5	164.6
Diabetes mellitus (E10–E14)	148.3	119.7	131.0	153.5	101.6	123.2
Diseases of the nervous system (G00–G99)	154.3	105.6	124.8	207.4	136.5	165.9
Alzheimer's disease (G30)	53.1	41.9	46.4	66.0	64.5	65.2
Diseases of the circulatory system (I00–I99)	4 033.8	2 898.5	3 347.2	2 598.3	1 798.5	2 130.9
Ischaemic heart disease (I20–I25)	2 440.2	1 528.5	1 888.9	1 499.1	883.9	1 139.6
Acute myocardial infarction (I21)	1 655.2	1 056.3	1 293.1	853.2	526.7	662.4
Cerebrovascular diseases (I60–I69)	831.2	795.2	809.5	582.8	516.5	544.1
Diseases of arteries, arterioles and capillaries (I70–I79)	281.8	146.1	199.7	166.6	90.6	122.2
Diseases of the respiratory system (J00–J99)	875.0	309.2	532.8	695.5	335.6	485.2
Chronic lower respiratory diseases (J40–J47)	668.5	196.4	383.0	433.5	187.9	290.0
Diseases of the digestive system (K00–K93)	226.1	184.2	200.7	171.1	141.8	153.9
Diseases of the genitourinary system (N00–N99)	149.6	97.8	118.3	160.1	112.8	132.4
External causes of morbidity and mortality (V01–Y98)	157.7	99.4	122.5	123.2	77.0	96.2
Falls (W00–W19)	19.1	14.7	16.5	21.1	16.9	18.7

(a) Deaths per 100,000 of the estimated mid-year population for each age group other than age under 1 year; deaths per 1,000 live births for age under 1 year. See Glossary for further explanation.

1.3 UNDERLYING CAUSE, Age-Specific Rates *continued*

Cause of death and ICD code	1990(a).....			2000(a).....		
	Males	Females	Persons	Males	Females	Persons
85 years and over	18 385.2	14 958.0	15 925.9	16 212.3	13 612.8	14 420.7
Malignant neoplasms (C00–C97)	3 050.6	1 480.0	1 923.6	2 967.2	1 549.7	1 990.3
Digestive organs (C15–C26)	781.9	579.5	636.7	713.1	560.9	608.2
Colon (C18)	240.6	234.8	236.5	230.9	215.7	220.4
Pancreas (C25)	108.3	91.8	96.5	93.1	92.0	92.4
Trachea, bronchus and lung (C33, C34)	466.7	83.3	191.6	445.2	136.9	232.7
Breast (C50)	2.4	211.2	152.2	3.8	192.7	134.0
Male genital organs (C60–C63)	851.7	..	240.5	811.3	..	252.2
Prostate (C61)	851.7	..	240.5	807.5	..	251.0
Lymphoid, haematopoietic and related tissue (C81–C96)	303.1	149.6	193.0	271.7	187.5	213.7
Endocrine, nutritional and metabolic diseases (E00–E90)	392.1	318.2	339.1	469.4	365.3	397.7
Diabetes mellitus (E10–E14)	310.3	259.4	273.8	368.7	248.5	285.9
Diseases of the nervous system (G00–G99)	384.9	321.9	339.7	455.4	557.4	525.7
Alzheimer's disease (G30)	163.6	213.1	199.1	213.0	411.9	350.1
Diseases of the circulatory system (I00–I99)	9 709.9	9 559.8	9 602.2	7 764.9	7 569.7	7 630.4
Ischaemic heart disease (I20–I25)	5 049.8	4 221.2	4 455.2	3 967.3	3 479.1	3 630.8
Acute myocardial infarction (I21)	3 154.0	2 512.1	2 693.4	2 124.0	1 871.9	1 950.2
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	1 417.0	1 489.5	1 469.0	1 155.7	1 187.3	1 177.5
Heart failure (I50)	935.9	940.3	939.0	618.7	651.8	641.5
Cerebrovascular diseases (I60–I69)	2 290.3	2 828.4	2 676.4	1 990.0	2 256.1	2 173.4
Diseases of arteries, arterioles and capillaries (I70–I79)	716.9	689.3	697.1	415.9	377.4	389.3
Diseases of the respiratory system (J00–J99)	2 203.7	1 002.8	1 341.9	2 051.3	1 205.2	1 468.1
Influenza and pneumonia (J10–J18)	558.1	509.4	523.2	753.9	615.5	658.5
Chronic lower respiratory diseases (J40–J47)	1 337.6	322.9	609.5	917.2	361.3	534.0
Diseases of the digestive system (K00–K93)	615.9	614.5	614.9	505.2	491.3	495.6
Diseases of the genitourinary system (N00–N99)	608.7	359.8	430.1	548.5	419.4	459.5
Renal failure (N17–N19)	428.2	223.5	281.3	368.7	262.3	295.4
External causes of morbidity and mortality (V01–Y98)	452.3	317.2	355.4	433.7	334.8	365.5
Falls (W00–W19)	74.6	47.3	55.0	79.1	62.1	67.4

(a) Deaths per 100,000 of the estimated mid-year population for each age group other than age under 1 year; deaths per 1,000 live births for age under 1 year. See Glossary for further explanation.

1.4 UNDERLYING CAUSE, Selected Years

Cause of death and ICD code	1990.....			1995.....		
	Males	Females	Persons	Males	Females	Persons
All causes	64 660	55 402	120 062	66 246	58 878	125 124
Chapter I Certain infectious and parasitic diseases (A00–B99)	429	374	803	577	492	1 069
Septicaemia (A40, A41)	179	196	375	232	274	506
Human immunodeficiency virus (HIV) disease (B20–B24)(a)	509	10	519	629	37	666
Chapter II Neoplasms (C00–D48)	17 444	13 300	30 744	19 425	14 942	34 367
Malignant neoplasms (C00–C97)	17 311	13 153	30 464	19 144	14 661	33 805
Digestive organs (C15–C26)	4 791	3 796	8 587	5 320	4 086	9 406
Oesophagus (C15)	500	227	727	606	289	895
Stomach (C16)	796	483	1 279	827	456	1 283
Colon (C18)	1 567	1 544	3 111	1 733	1 629	3 362
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	647	421	1 068	680	453	1 133
Liver and intrahepatic bile ducts (C22)	284	116	400	387	193	580
Pancreas (C25)	717	667	1 384	791	749	1 540
Trachea, bronchus and lung (C33, C34)	4 466	1 587	6 053	4 696	1 993	6 689
Melanoma of skin (C43)	516	310	826	604	327	931
Breast (C50)	16	2 449	2 465	26	2 629	2 655
Female genital organs (C51–C58)	..	1 365	1 365	..	1 412	1 412
Ovary (C56)	..	729	729	..	709	709
Male genital organs (C60–C63)	2 134	..	2 134	2 625	..	2 625
Prostate (C61)	2 091	..	2 091	2 575	..	2 575
Urinary tract (C64–C68)	899	515	1 414	1 039	591	1 630
Kidney, except renal pelvis (C64)	397	254	651	427	316	743
Bladder (C67)	474	237	711	575	239	814
Brain (C71)	517	421	938	556	408	964
Lymphoid, haematopoietic and related tissue (C81–C96)	1 575	1 247	2 822	1 763	1 510	3 273
Leukaemia (C91–C95)	601	445	1 046	716	540	1 256
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	133	147	280	281	281	562
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	592	251	843	640	231	871
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	1 397	1 400	2 797	1 770	1 807	3 577
Diabetes mellitus (E10–E14)	1 077	1 107	2 184	1 336	1 372	2 708
Chapter V Mental and behavioural disorders (F00–F99)	959	1 080	2 039	1 414	1 764	3 178
Chapter VI Diseases of the nervous system (G00–G99)	1 094	1 165	2 259	1 390	1 574	2 964
Alzheimer's disease (G30)	249	454	703	351	730	1 081
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	3	3	1	2	3
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	5	1	6	7	4	11
Chapter IX Diseases of the circulatory system (I00–I99)	27 033	27 252	54 285	26 258	27 144	53 402
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	20 229	17 967	38 196	19 258	17 748	37 006
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	133	231	364	125	256	381
Hypertensive diseases (I10–I15)	405	644	1 049	420	681	1 101
Ischaemic heart diseases (I20–I25)	17 186	13 988	31 174	16 131	13 478	29 609
Acute myocardial infarction (I21)	11 556	9 367	20 923	9 905	8 302	18 207
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	2 712	3 399	6 111	2 778	3 600	6 378
Heart failure (I50)	1 056	1 764	2 820	963	1 715	2 678
Cerebrovascular diseases (I60–I69)	4 792	7 293	12 085	5 108	7 572	12 680
Diseases of arteries, arterioles and capillaries (I70–I79)	1 697	1 555	3 252	1 600	1 404	3 004
Atherosclerosis (I70)	325	634	959	279	492	771
Aortic aneurysm and dissection (I71)	987	507	1 494	925	527	1 452

(a) See Explanatory Notes, paragraph 16 for further information.

1.4 UNDERLYING CAUSE, Selected Years *continued*

Cause of death and ICD code	1999.....			2000.....		
	Males	Females	Persons	Males	Females	Persons
All causes	67 227	60 875	128 102	66 817	61 474	128 291
Chapter I Certain infectious and parasitic diseases (A00–B99)	842	761	1 603	867	779	1 646
Septicaemia (A40, A41)	401	460	861	454	486	940
Human immunodeficiency virus (HIV) disease (B20–B24)(a)	156	10	166	162	11	173
Chapter II Neoplasms (C00–D48)	20 283	15 573	35 856	20 545	15 829	36 374
Malignant neoplasms (C00–C97)	19 866	15 187	35 053	20 153	15 475	35 628
Digestive organs (C15–C26)	5 600	4 312	9 912	5 676	4 379	10 055
Oesophagus (C15)	641	299	940	667	287	954
Stomach (C16)	754	447	1 201	775	414	1 189
Colon (C18)	1 771	1 557	3 328	1 753	1 665	3 418
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	734	514	1 248	780	514	1 294
Liver and intrahepatic bile ducts (C22)	449	234	683	510	227	737
Pancreas (C25)	868	850	1 718	864	873	1 737
Trachea, bronchus and lung (C33, C34)	4 655	2 148	6 803	4 587	2 291	6 878
Melanoma of skin (C43)	631	359	990	624	356	980
Breast (C50)	22	2 505	2 527	19	2 511	2 530
Female genital organs (C51–C58)	..	1 300	1 300	..	1 402	1 402
Ovary (C56)	..	737	737	..	774	774
Male genital organs (C60–C63)	2 546	..	2 546	2 700	..	2 700
Prostate (C61)	2 499	..	2 499	2 663	..	2 663
Urinary tract (C64–C68)	1 112	605	1 717	1 076	579	1 655
Kidney, except renal pelvis (C64)	482	320	802	469	295	764
Bladder (C67)	587	252	839	574	247	821
Brain (C71)	588	430	1 018	622	435	1 057
Lymphoid, haematopoietic and related tissue (C81–C96)	1 962	1 596	3 558	2 062	1 682	3 744
Leukaemia (C91–C95)	768	578	1 346	772	582	1 354
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	417	386	803	392	354	746
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	195	255	450	190	223	413
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	2 001	2 099	4 100	2 141	2 016	4 157
Diabetes mellitus (E10–E14)	1 485	1 462	2 947	1 594	1 412	3 006
Chapter V Mental and behavioural disorders (F00–F99)	1 256	1 552	2 808	1 358	1 716	3 074
Chapter VI Diseases of the nervous system (G00–G99)	1 818	2 072	3 890	1 839	2 200	4 039
Alzheimer's disease (G30)	493	1 023	1 516	455	1 104	1 559
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	5	5	—	1	1
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	—	6	6	4	5	9
Chapter IX Diseases of the circulatory system (I00–I99)	24 824	26 479	51 303	23 756	25 931	49 687
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	18 116	17 229	35 345	17 172	16 747	33 919
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	84	177	261	101	164	265
Hypertensive diseases (I10–I15)	432	745	1 177	449	753	1 202
Ischaemic heart diseases (I20–I25)	14 865	12 744	27 609	14 052	12 469	26 521
Acute myocardial infarction (I21)	8 028	7 124	15 152	7 586	7 030	14 616
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	2 955	3 896	6 851	2 795	3 713	6 508
Heart failure (I50)	989	1 725	2 714	982	1 662	2 644
Cerebrovascular diseases (I60–I69)	4 894	7 372	12 266	4 913	7 387	12 300
Diseases of arteries, arterioles and capillaries (I70–I79)	1 476	1 388	2 864	1 321	1 296	2 617
Atherosclerosis (I70)	229	423	652	187	324	511
Aortic aneurysm and dissection (I71)	882	568	1 450	798	539	1 337

(a) See Explanatory Notes, paragraph 16 for further information.

1.4 UNDERLYING CAUSE, Selected Years *continued*

Cause of death and ICD code	1990.....			1995.....		
	Males	Females	Persons	Males	Females	Females
Chapter X Diseases of the respiratory system (J00–J99)	5 466	3 535	9 001	5 407	4 024	9 431
Influenza and pneumonia (J10–J18)	835	962	1 797	814	892	1 706
Chronic lower respiratory diseases (J40–J47)	4 018	2 103	6 121	3 884	2 504	6 388
Emphysema (J43)	584	213	797	568	307	875
Asthma and status asthmaticus (J45, J46)	381	441	822	282	467	749
Chapter XI Diseases of the digestive system (K00–K93)	2 107	1 987	4 094	1 961	1 910	3 871
Diseases of oesophagus, stomach and duodenum (K20–K31)	475	527	1 002	368	397	765
Gastric and duodenal ulcer (K25–K27)	390	444	834	280	301	581
Diseases of liver (K70–K77)	858	356	1 214	805	346	1 151
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	51	86	137	90	160	250
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	225	433	658	201	533	734
Arthropathies and systemic connective tissue disorders (M00–M36)	163	320	483	122	371	493
Chapter XIV Diseases of the genitourinary system (N00–N99)	844	1 043	1 887	947	1 126	2 073
Renal failure (N17–N19)	472	506	978	608	685	1 293
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	16	16	..	24	24
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	532	369	901	384	291	675
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	442	398	840	343	335	678
Congenital malformations of the circulatory system (Q20–Q28)	153	136	289	134	120	254
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	452	362	814	278	255	533
Chapter XX External causes of morbidity and mortality (V01–Y98)	5 588	2 347	7 935	5 153	2 260	7 413
Accidents (V01–X59)	3 489	1 715	5 204	2 980	1 600	4 580
Transport accidents (V01–V99)	2 053	796	2 849	1 617	684	2 301
Falls (W00–W19)	269	159	428	258	179	437
Accidental drowning and submersion (W65–W74)	227	73	300	190	69	259
Intentional self-harm (X60–X84)	1 735	426	2 161	1 872	495	2 367
Hanging, strangulation and suffocation (X70)	460	98	558	584	114	698
Assault (X85–Y09)	239	146	385	204	129	333

1.4 UNDERLYING CAUSE, Selected Years *continued*

Cause of death and ICD code	1999.....			2000.....		
	Males	Females	Persons	Males	Females	Persons
Chapter X Diseases of the respiratory system (J00–J99)	5 296	4 317	9 613	5 923	4 984	10 907
Influenza and pneumonia (J10–J18)	765	1 133	1 898	1 312	1 625	2 937
Chronic lower respiratory diseases (J40–J47)	3 609	2 487	6 096	3 514	2 448	5 962
Emphysema (J43)	575	312	887	490	231	721
Asthma and status asthmaticus (J45, J46)	160	264	424	169	285	454
Chapter XI Diseases of the digestive system (K00–K93)	2 111	2 110	4 221	2 063	2 078	4 141
Diseases of oesophagus, stomach and duodenum (K20–K31)	313	335	648	331	360	691
Gastric and duodenal ulcer (K25–K27)	215	231	446	232	245	477
Diseases of liver (K70–K77)	863	380	1 243	805	357	1 162
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	108	181	289	99	153	252
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	300	562	862	279	573	852
Arthropathies and systemic connective tissue disorders (M00–M36)	208	360	568	187	388	575
Chapter XIV Diseases of the genitourinary system (N00–N99)	1 232	1 536	2 768	1 186	1 506	2 692
Renal failure (N17–N19)	842	919	1 761	802	913	1 715
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	11	11	..	15	15
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	377	264	641	360	282	642
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	392	323	715	326	284	610
Congenital malformations of the circulatory system (Q20–Q28)	133	118	251	115	97	212
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	324	276	600	364	318	682
Chapter XX External causes of morbidity and mortality (V01–Y98)	5 868	2 493	8 361	5 517	2 581	8 098
Accidents (V01–X59)	3 486	1 801	5 287	3 299	1 839	5 138
Transport accidents (V01–V99)	1 441	570	2 011	1 459	556	2 015
Falls (W00–W19)	309	211	520	308	257	565
Accidental drowning and submersion (W65–W74)	203	75	278	179	50	229
Intentional self-harm (X60–X84)	2 002	490	2 492	1 860	503	2 363
Hanging, strangulation and suffocation (X70)	868	160	1 028	807	182	989
Assault (X85–Y09)	204	96	300	197	116	313

1.5 UNDERLYING CAUSE, Selected Years—Standardised Death Rates(a)

Cause of death and ICD code	1990.....			1995.....		
	Males	Females	Persons	Males	Females	Persons
All causes	919.1	556.7	715.3	820.2	505.7	644.2
Chapter I Certain infectious and parasitic diseases (A00–B99)	6.0	3.8	4.8	7.1	4.2	5.5
Septicaemia (A40, A41)	2.7	1.9	2.2	3.0	2.2	2.5
Chapter II Neoplasms (C00–D48)	239.9	142.2	182.5	234.9	140.8	180.2
Malignant neoplasms (C00–C97)	238.1	140.7	180.9	231.4	138.4	177.3
Digestive organs (C15–C26)	65.6	39.7	51.0	63.9	37.5	49.2
Oesophagus (C15)	6.7	2.3	4.3	7.2	2.6	4.7
Stomach (C16)	11.2	5.0	7.6	10.1	4.1	6.7
Colon (C18)	21.5	16.2	18.5	20.8	15.0	17.5
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	8.8	4.4	6.3	8.1	4.2	5.9
Liver and intrahepatic bile ducts (C22)	3.7	1.3	2.4	4.6	1.8	3.1
Pancreas (C25)	9.7	7.0	8.2	9.4	6.8	8.1
Trachea, bronchus and lung (C33, C34)	60.0	17.2	35.9	56.0	19.3	35.4
Melanoma of skin (C43)	6.7	3.4	4.9	7.1	3.2	4.9
Breast (C50)	0.2	26.9	14.6	0.3	25.6	13.9
Female genital organs (C51–C58)	..	14.9	8.1	..	13.6	7.4
Ovary (C56)	..	8.0	4.3	..	6.9	3.7
Male genital organs (C60–C63)	32.6	..	12.8	33.8	..	13.5
Prostate (C61)	32.1	..	12.5	33.2	..	13.2
Urinary tract (C64–C68)	12.7	5.3	8.4	12.9	5.4	8.5
Kidney, except renal pelvis (C64)	5.3	2.7	3.9	5.1	2.9	3.9
Bladder (C67)	7.0	2.4	4.2	7.3	2.1	4.2
Brain (C71)	6.5	4.7	5.5	6.3	4.2	5.2
Lymphoid, haematopoietic and related tissue (C81–C96)	21.5	13.1	16.8	21.1	14.1	17.2
Leukaemia (C91–C95)	8.2	4.7	6.2	8.6	5.0	6.6
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	1.9	1.5	1.7	3.5	2.4	2.9
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	7.8	2.5	5.0	7.2	2.0	4.6
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	19.9	14.1	16.7	21.8	15.8	18.5
Diabetes mellitus (E10–E14)	15.5	11.1	13.0	16.5	11.9	13.9
Chapter V Mental and behavioural disorders (F00–F99)	14.4	10.1	12.2	18.0	13.5	15.9
Class VI Disease of the nervous system (G00–G99)	15.9	11.7	13.5	17.6	13.4	15.2
Alzheimer's disease (G30)	4.1	4.2	4.2	4.8	5.5	5.3
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	—	—	—	—	—
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	0.1	—	—	0.1	—	0.1
Chapter IX Diseases of the circulatory system (I00–I99)	399.8	262.9	324.7	333.6	217.5	269.7
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	295.1	174.5	228.2	242.7	143.2	187.6
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	1.8	2.4	2.2	1.5	2.3	2.0
Hypertensive diseases (I10–I15)	6.1	6.1	6.3	5.3	5.4	5.5
Ischaemic heart diseases (I20–I25)	248.7	136.7	186.2	202.3	109.5	150.6
Acute myocardial infarction (I21)	166.4	92.3	124.9	124.1	68.3	92.8
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	41.6	32.1	36.6	36.0	28.1	31.9
Heart failure (I50)	18.1	16.1	17.0	13.3	12.7	13.1
Cerebrovascular diseases (I60–I69)	74.1	69.5	72.5	66.7	59.7	63.3
Diseases of arteries, arterioles and capillaries (I70–I79)	25.8	14.7	19.5	20.5	11.1	15.1
Atherosclerosis (I70)	5.6	5.7	5.8	3.8	3.6	3.7
Aortic aneurysm and dissection (I71)	14.2	5.1	8.9	11.5	4.5	7.5

(a) Standardised death rate per 100,000 of the mid-year 1991 population.
See Glossary for further explanation.

1.5 UNDERLYING CAUSE, Selected Years—Standardised Death Rates(a) *continued*

Cause of death and ICD code	1999.....			2000.....		
	Males	Females	Persons	Males	Females	Persons
All causes	739.3	461.2	585.6	710.1	449.5	566.4
Chapter I Certain infectious and parasitic diseases (A00–B99)	9.2	5.8	7.3	9.2	5.8	7.3
Septicaemia (A40–A41)	4.5	3.3	3.8	4.9	3.3	4.0
Chapter II Neoplasms (C00–D48)	219.2	132.2	169.3	215.4	130.6	166.9
Malignant neoplasms (C00–C97)	214.6	129.4	165.7	211.2	127.9	163.7
Digestive organs (C15–C26)	60.2	35.6	46.7	59.3	34.9	46.1
Oesophagus (C15)	6.9	2.4	4.4	6.9	2.2	4.4
Stomach (C16)	8.1	3.6	5.7	8.1	3.3	5.4
Colon (C18)	19.1	12.8	15.6	18.4	13.3	15.6
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	7.8	4.3	5.9	8.1	4.1	6.0
Liver and intrahepatic bile ducts (C22)	4.8	2.0	3.3	5.3	1.9	3.5
Pancreas (C25)	9.3	7.1	8.1	9.0	7.0	8.0
Trachea, bronchus and lung (C33, C34)	50.0	19.0	32.7	48.0	19.6	32.3
Melanoma of skin (C43)	6.7	3.2	4.7	6.4	3.1	4.6
Breast (C50)	0.2	22.1	11.9	0.2	21.5	11.6
Female genital organs (C51–C58)	..	11.3	6.1	..	11.9	6.5
Ovary (C56)	..	6.4	3.5	..	6.6	3.6
Male genital organs (C60–C63)	28.6	..	11.6	29.1	..	11.9
Prostate (C61)	28.1	..	11.4	28.7	..	11.7
Urinary tract (C64–C68)	12.2	4.9	8.0	11.3	4.5	7.4
Kidney, except renal pelvis (C64)	5.1	2.7	3.8	4.8	2.4	3.5
Bladder (C67)	6.6	2.0	3.9	6.1	1.8	3.6
Brain (C71)	6.0	4.0	5.0	6.3	3.9	5.1
Lymphoid, haematopoietic and related tissue (C81–C96)	21.1	13.4	16.8	21.6	13.7	17.2
Leukaemia (C91–C95)	8.3	4.8	6.4	8.1	4.8	6.3
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	4.7	2.9	3.6	4.2	2.6	3.3
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	2.2	2.0	2.1	2.0	1.6	1.8
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	21.8	16.3	18.9	22.5	15.3	18.5
Diabetes mellitus (E10–E14)	16.2	11.3	13.5	16.9	10.7	13.4
Chapter V Mental and behavioural disorders (F00–F99)	14.2	10.4	12.4	14.7	11.1	13.1
Class VI Disease of the nervous system (G00–G99)	20.1	15.4	17.5	19.7	15.6	17.6
Alzheimer's disease (G30)	5.7	6.6	6.3	5.0	6.7	6.2
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	—	—	—	—	—
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	—	0.1	—	—	—	—
Chapter IX Diseases of the circulatory system (I00–I99)	276.5	183.0	225.4	254.3	171.9	209.6
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	200.7	119.8	156.3	183.1	111.7	144.1
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	0.9	1.4	1.2	1.1	1.3	1.2
Hypertensive diseases (I10–I15)	4.8	5.1	5.1	4.8	5.0	5.0
Ischaemic heart diseases (I20–I25)	164.1	89.2	122.8	149.6	83.7	113.4
Acute myocardial infarction (I21)	88.9	50.4	67.5	81.0	47.6	62.6
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	33.3	26.4	29.6	30.1	24.2	27.0
Heart failure (I50)	11.5	10.8	11.2	10.8	9.9	10.4
Cerebrovascular diseases (I60–I69)	55.4	50.1	52.9	53.2	48.1	50.8
Diseases of arteries, arterioles and capillaries (I70–I79)	16.6	9.6	12.6	14.2	8.6	11.1
Atherosclerosis (I70)	2.6	2.7	2.7	2.1	1.9	2.0
Aortic aneurysm (I71)	9.8	4.2	6.6	8.5	3.9	5.9

(a) Standardised death rate per 100,000 of the mid-year 1991 population.
See Glossary for further explanation.

1.5 UNDERLYING CAUSE, Selected Years—Standardised Death Rates(a) *continued*

Cause of death and ICD code	1990.....			1995.....		
	Males	Females	Persons	Males	Females	Persons
Chapter X Diseases of the respiratory system (J00–J99)	82.5	35.3	53.7	69.1	34.7	48.3
Influenza and pneumonia (J10–J18)	13.2	9.0	10.8	10.7	7.1	8.5
Chronic lower respiratory diseases (J40–J47)	59.8	21.8	36.5	49.2	22.5	33.0
Emphysema (J43)	8.6	2.2	4.7	7.1	2.8	4.5
Asthma and status asthmaticus (J45, J46)	5.1	4.7	4.9	3.4	4.3	3.9
Chapter XI Diseases of the digestive system (K00–K93)	29.7	19.7	24.4	24.1	16.2	19.9
Diseases of oesophagus, stomach and duodenum (K20–K31)	7.2	5.0	6.0	4.8	3.2	3.9
Gastric and duodenal ulcer (K25–K27)	5.9	4.3	5.0	3.6	2.4	2.9
Diseases of liver (K70–K77)	10.6	4.0	7.2	9.1	3.4	6.1
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	0.9	0.8	0.8	1.2	1.2	1.2
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	3.3	4.3	3.9	2.5	4.6	3.7
Arthropathies and systemic connective tissue disorders (M00–M36)	2.3	3.3	2.9	1.5	3.3	2.5
Chapter XIV Diseases of the genitourinary system (N00–N99)	13.9	10.2	11.3	12.7	9.2	10.4
Renal failure (N17–N19)	8.2	4.7	5.9	8.4	5.3	6.4
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	0.2	0.1	..	0.3	0.1
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	6.1	4.4	5.3	4.2	3.4	3.8
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	5.1	4.7	4.9	3.8	3.8	3.8
Congenital malformations of the circulatory system (Q20–Q28)	1.8	1.6	1.7	1.5	1.3	1.4
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	5.5	4.0	4.8	3.3	2.4	2.8
Chapter XX External causes of morbidity and mortality (V01–Y98)	68.4	25.7	46.7	58.8	22.6	40.4
Accidents (V01–X59)	43.4	18.4	30.6	34.5	15.4	24.8
Transport accidents (V01–V99)	24.4	9.2	16.7	18.4	7.4	12.8
Falls (W00–W19)	3.7	1.6	2.5	3.1	1.5	2.3
Accidental drowning and submersion (W65–W74)	2.6	0.8	1.7	2.1	0.8	1.4
Intentional self-harm (X60–X84)	20.7	4.9	12.7	20.9	5.4	13.0
Hanging, strangulation and suffocation (X70)	5.5	1.1	3.3	6.6	1.2	3.9
Assault (X85–Y09)	2.8	1.7	2.3	2.3	1.4	1.8

(a) Standardised death rate per 100,000 of the mid-year 1991 population.
See Glossary for further explanation.

1.5 UNDERLYING CAUSE, Selected Years—Standardised Death Rates(a) *continued*

Cause of death and ICD code	1999.....			2000.....		
	Males	Females	Persons	Males	Females	Persons
Chapter X Diseases of the respiratory system (J00–J99)	59.3	32.1	43.2	64.0	35.3	46.9
Influenza and pneumonia (J10–J18)	8.8	7.3	7.9	14.4	10.0	11.8
Chronic lower respiratory diseases (J40–J47)	40.2	19.8	28.0	37.8	19.0	26.5
Emphysema (J43)	6.4	2.5	4.1	5.3	1.9	3.2
Asthma and status asthmaticus (J45 ,J46)	1.8	2.3	2.0	1.8	2.4	2.1
Chapter XI Diseases of the digestive system (K00–K93)	22.8	15.7	19.1	21.5	14.7	18.0
Diseases of oesophagus, stomach and duodenum (K20–K31)	3.5	2.3	2.9	3.5	2.4	2.9
Gastric and duodenal ulcer (K25–K27)	2.4	1.6	2.0	2.5	1.7	2.0
Diseases of liver (K70–K77)	8.8	3.5	6.0	8.0	3.1	5.5
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	1.2	1.2	1.2	1.1	1.0	1.0
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	3.3	4.2	3.9	3.0	4.2	3.7
Arthropathies and systemic connective tissue disorders (M00–M36)	2.3	2.9	2.6	2.0	3.0	2.5
Chapter XIV Diseases of the genitourinary system (N00–N99)	14.1	10.6	11.9	12.9	10.1	11.1
Renal failure (N17–N19)	9.7	6.2	7.5	8.8	5.9	7.0
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	0.0	0.1	0.1	0.0	0.2	0.1
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	4.2	3.1	3.7	4.1	3.4	3.7
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	4.3	3.6	4.0	3.6	3.1	3.4
Congenital malformations of the circulatory system (Q20–Q28)	1.5	1.3	1.4	1.3	1.1	1.2
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	3.6	2.4	3.0	3.8	2.5	3.3
Chapter XX External causes of morbidity and mortality (V01–Y98)	63.3	22.8	42.7	58.4	22.9	40.4
Accidents (V01–X59)	38.0	15.8	26.7	35.2	15.5	25.3
Transport accidents (V01–V99)	15.7	5.9	10.7	15.6	5.7	10.6
Falls (W00–W19)	3.3	1.5	2.4	3.2	1.8	2.5
Accidental drowning and submersion (W65–W74)	2.2	0.8	1.5	1.9	0.5	1.2
Intentional self-harm (X60–X84)	21.2	5.1	13.0	19.4	5.2	12.2
Hanging, strangulation and suffocation (X70)	9.3	1.7	5.5	8.6	1.9	5.2
Assault (X85–Y09)	2.2	1.0	1.6	2.1	1.2	1.7

(a) Standardised death rate per 100,000 of the mid-year 1991 population.

See Glossary for further explanation.

1.6 UNDERLYING CAUSE, Age and State or Territory of Usual Residence

Cause of death and ICD code	NSW.....		Vic.....		Qld.....		SA.....	
	Males	Females	Males	Females	Males	Females	Males	Females
Under 1 year	260	187	150	118	143	148	54	28
Certain conditions originating in the perinatal period (P00–P96)	131	105	74	49	68	66	29	12
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	62	43	38	36	40	40	15	8
Sudden infant death syndrome (R95)	31	14	15	9	19	18	3	2
1–14 years	127	95	78	57	76	47	32	15
Malignant neoplasms (C00–C97)	19	18	11	8	11	7	5	4
Diseases of the nervous system (G00–G99)	16	10	7	6	9	4	5	—
Diseases of the circulatory system (I00–I99)	7	2	3	2	1	2	—	1
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	7	10	6	7	3	7	2	2
External causes of morbidity and mortality (V01–Y98)	62	33	37	19	42	17	15	5
15–24 years	393	140	260	116	221	84	99	29
Malignant neoplasms (C00–C97)	27	16	14	12	14	11	3	5
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	43	11	21	10	2	1	6	1
Diseases of the nervous system (G00–G99)	17	5	15	3	12	3	8	2
External causes of morbidity and mortality (V01–Y98)	263	76	185	79	177	53	77	16
Transport accidents (V01–V99)	126	41	78	36	65	19	41	8
Intentional self-harm (X60–X84)	81	18	46	19	64	17	22	2
25–34 years	578	214	458	167	332	140	154	57
Malignant neoplasms (C00–C97)	56	42	29	31	19	29	8	8
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	75	17	51	12	8	3	6	2
Diseases of the circulatory system (I00–I99)	44	31	31	5	19	15	14	3
Diseases of the digestive system (K00–K93)	6	5	3	2	—	2	3	2
External causes of morbidity and mortality (V01–Y98)	324	76	299	88	257	67	102	28
Transport accidents (V01–V99)	82	22	83	22	64	12	22	8
Intentional self-harm (X60–X84)	128	28	98	29	108	26	40	9
35–44 years	862	402	537	337	439	240	196	107
Malignant neoplasms (C00–C97)	139	157	91	151	80	100	27	39
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	98	19	34	12	10	2	11	2
Diseases of the circulatory system (I00–I99)	167	55	97	48	75	25	32	13
Diseases of the digestive system (K00–K93)	29	14	12	10	11	6	9	5
External causes of morbidity and mortality (V01–Y98)	328	90	217	75	208	71	90	29
Transport accidents (V01–V99)	82	25	40	14	40	14	19	8
Intentional self-harm (X60–X84)	138	35	95	26	102	38	38	11
45–54 years	1 364	843	931	607	783	458	368	231
Malignant neoplasms (C00–C97)	469	446	364	345	281	267	109	141
Trachea, bronchus and lung (C33, C34)	82	56	56	46	58	39	20	10
Breast (C50)	—	139	—	109	1	86	—	50
Diseases of the circulatory system (I00–I99)	375	139	224	80	225	72	109	31
Ischaemic heart diseases (I20–I25)	263	59	157	33	169	42	77	11
Cerebrovascular diseases (I60–I69)	41	40	23	25	25	17	10	10
Diseases of the respiratory system (J00–J99)	49	35	18	22	28	21	10	16
Disease of the digestive system (K00–K93)	75	45	53	23	37	19	21	4
External causes of morbidity and mortality (V01–Y98)	226	62	150	59	123	37	65	14
Transport accidents (V01–V99)	58	16	48	9	30	13	11	2
Intentional self-harm (X60–X84)	98	17	59	22	57	13	34	4

1.6 UNDERLYING CAUSE, Age and State or Territory of Usual Residence *continued*

Cause of death and ICD code	WA.....		Tas.....		NT.....		ACT.....	
	Males	Females	Males	Females	Males	Females	Males	Females
Under 1 year	68	41	17	16	23	20	10	7
Certain conditions originating in the perinatal period (P00–P96)	26	26	11	8	10	10	6	5
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	15	6	3	2	6	6	2	1
Sudden infant death syndrome (R95)	8	2	1	1	3	1	1	1
1–14 years	40	30	13	9	6	5	5	5
Malignant neoplasms (C00–C97)	3	4	3	4	1	—	1	1
Diseases of the nervous system (G00–G99)	—	3	1	2	1	—	—	1
Diseases of the circulatory system (I00–I99)	2	1	—	—	—	1	—	—
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3	2	2	—	—	1	1	1
External causes of morbidity and mortality (V01–Y98)	27	15	6	2	1	2	1	1
15–24 years	133	63	35	11	40	15	20	5
Malignant neoplasms (C00–C97)	6	5	—	2	—	2	—	1
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	13	4	—	—	1	1	—	—
Diseases of the nervous system (G00–G99)	1	1	—	—	—	—	1	—
External causes of morbidity and mortality (V01–Y98)	103	43	29	6	28	9	12	2
Transport accidents (V01–V99)	52	18	14	1	12	5	4	2
Intentional self-harm (X60–X84)	30	14	10	3	5	2	5	—
25–34 years	206	74	40	13	55	23	29	10
Malignant neoplasms (C00–C97)	9	19	7	2	1	—	1	1
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	15	7	1	1	3	—	—	—
Diseases of the circulatory system (I00–I99)	12	7	—	1	5	5	—	1
Diseases of the digestive system (K00–K93)	3	2	1	—	—	1	—	—
External causes of morbidity and mortality (V01–Y98)	146	28	25	3	38	9	26	5
Transport accidents (V01–V99)	35	6	5	1	13	6	7	2
Intentional self-harm (X60–X84)	63	11	11	2	16	—	11	1
35–44 years	255	135	72	33	69	43	28	11
Malignant neoplasms (C00–C97)	44	57	14	17	4	10	6	2
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	8	3	—	—	3	1	—	—
Diseases of the circulatory system (I00–I99)	37	15	9	5	17	10	5	2
Diseases of the digestive system (K00–K93)	5	2	6	—	5	3	1	—
External causes of morbidity and mortality (V01–Y98)	117	45	25	7	18	7	11	4
Transport accidents (V01–V99)	21	7	1	1	7	2	1	1
Intentional self-harm (X60–X84)	52	17	8	2	7	3	4	—
45–54 years	360	230	108	77	85	49	36	48
Malignant neoplasms (C00–C97)	120	130	39	46	14	18	17	30
Trachea, bronchus and lung (C33, C34)	18	22	11	11	5	2	2	8
Breast (C50)	—	34	—	9	—	6	—	9
Diseases of the circulatory system (I00–I99)	74	37	35	10	30	12	6	4
Ischaemic heart diseases (I20–I25)	55	19	24	4	19	4	4	3
Cerebrovascular diseases (I60–I69)	7	9	5	1	5	4	—	—
Diseases of the respiratory system (J00–J99)	12	2	—	4	3	—	1	3
Disease of the digestive system (K00–K93)	23	10	6	2	4	1	3	1
External causes of morbidity and mortality (V01–Y98)	73	22	16	6	18	3	5	4
Transport accidents (V01–V99)	19	10	4	1	6	1	—	—
Intentional self-harm (X60–X84)	30	7	4	1	7	—	2	3

1.6 UNDERLYING CAUSE, Age and State or Territory of Usual Residence *continued*

Cause of death and ICD code	NSW.....		Vic.....		Qld.....		SA.....	
	Males	Females	Males	Females	Males	Females	Males	Females
55–64 years	2 568	1 461	1 639	1 018	1 369	726	573	350
Malignant neoplasms (C00–C97)	1 113	793	743	599	629	373	262	188
Digestive organs (C15–C26)	332	196	248	132	209	89	79	47
Trachea, bronchus and lung (C33, C34)	293	129	181	113	182	62	81	29
Breast (C50)	1	154	1	164	2	83	—	40
Diseases of the circulatory system (I00–I99)	816	308	477	166	363	165	182	58
Ischaemic heart diseases (I20–I25)	562	149	336	81	271	95	127	36
Cerebrovascular diseases (I60–I69)	107	79	61	40	40	34	24	11
Diseases of the respiratory system (J00–J99)	164	103	78	60	89	51	36	25
Diseases of the digestive system (K00–K93)	132	52	64	24	55	22	23	14
External causes of morbidity and mortality (V01–Y98)	120	55	100	44	94	35	22	18
65–74 years	5 342	3 273	3 685	2 282	2 660	1 548	1 358	799
Malignant neoplasms (C00–C97)	2 095	1 315	1 577	986	1 145	621	563	311
Digestive organs (C15–C26)	584	350	490	297	335	171	178	78
Trachea, bronchus and lung (C33, C34)	559	259	407	181	314	122	142	67
Breast (C50)	—	186	1	131	—	72	1	46
Female genital organs (C51–C58)	..	123	..	96	..	56	..	30
Male genital organs (C60–C63)	215	..	189	..	122	..	71	..
Endocrine, nutritional and metabolic diseases (E00–E90)	178	121	170	122	108	61	49	49
Diseases of the circulatory system (I00–I99)	1 866	1 044	1 207	669	906	498	497	254
Ischaemic heart diseases (I20–I25)	1 175	578	773	367	606	303	321	147
Cerebrovascular diseases (I60–I69)	363	234	221	151	154	118	79	51
Diseases of the respiratory system (J00–J99)	548	325	273	197	211	130	99	69
Chronic lower respiratory diseases (J40–J47)	384	241	202	148	160	91	62	41
Diseases of the digestive system (K00–K93)	192	91	103	61	61	47	43	20
75–84 years	7 593	6 841	5 254	4 705	3 769	3 135	2 056	1 805
Malignant neoplasms (C00–C97)	2 166	1 647	1 611	1 179	1 163	757	602	411
Digestive organs (C15–C26)	576	502	444	403	279	256	158	125
Trachea, bronchus and lung (C33, C34)	496	245	354	176	261	102	140	63
Breast (C50)	1	184	4	137	—	82	—	40
Female genital organs (C51–C58)	..	141	..	96	..	67	..	40
Male genital organs (C60–C63)	395	..	294	..	248	..	102	..
Prostate (C61)	393	..	292	..	245	..	102	..
Diabetes mellitus (E10–E14)	146	134	175	147	96	85	43	57
Mental and behavioural disorders (F00–F99)	103	154	91	133	41	39	32	49
Diseases of the nervous system (G00–G99)	259	250	178	178	128	98	32	42
Diseases of the circulatory system (I00–I99)	3 269	3 167	2 022	2 019	1 542	1 504	853	826
Ischaemic heart diseases (I20–I25)	1 833	1 530	1 195	954	913	801	517	413
Acute myocardial infarction (I21)	1 031	859	689	584	491	490	320	261
Cerebrovascular diseases (I60–I69)	779	906	413	575	357	434	174	239
Diseases of arteries, arterioles and capillaries (I70–I79)	193	170	124	110	121	69	47	28
Diseases of the respiratory system (J00–J99)	826	599	574	408	400	224	268	177
Chronic lower respiratory diseases (J40–J47)	501	341	381	238	282	138	132	74
Diseases of the digestive system (K00–K93)	203	229	129	156	100	123	64	78

1.6 UNDERLYING CAUSE, Age and State or Territory of Usual Residence *continued*

Cause of death and ICD code	WA.....		Tas.....		NT.....		ACT.....	
	Males	Females	Males	Females	Males	Females	Males	Females
55–64 years	620	376	199	125	99	59	70	52
Malignant neoplasms (C00–C97)	295	211	93	66	39	17	36	33
Digestive organs (C15–C26)	95	58	24	18	17	4	11	6
Trachea, bronchus and lung (C33, C34)	75	42	25	12	11	2	10	7
Breast (C50)	1	28	—	14	—	5	—	8
Diseases of the circulatory system (I00–I99)	166	71	57	23	23	9	19	9
Ischaemic heart diseases (I20–I25)	126	32	34	13	14	6	13	5
Cerebrovascular diseases (I60–I69)	16	24	12	2	1	—	5	1
Diseases of the respiratory system (J00–J99)	25	20	12	8	5	10	1	3
Diseases of the digestive system (K00–K93)	22	7	8	5	6	1	2	2
External causes of morbidity and mortality (V01–Y98)	39	17	5	7	6	—	5	2
65–74 years	1 268	750	471	275	101	48	156	102
Malignant neoplasms (C00–C97)	533	309	201	112	34	17	64	49
Digestive organs (C15–C26)	156	91	57	30	7	3	21	12
Trachea, bronchus and lung (C33, C34)	137	59	54	24	13	6	12	9
Breast (C50)	—	38	—	19	—	—	—	11
Female genital organs (C51–C58)	..	34	..	12	..	4	..	3
Male genital organs (C60–C63)	55	..	29	..	2	..	9	..
Endocrine, nutritional and metabolic diseases (E00–E90)	53	40	12	9	6	5	5	1
Diseases of the circulatory system (I00–I99)	418	220	147	82	38	11	60	30
Ischaemic heart diseases (I20–I25)	281	118	99	44	26	5	36	19
Cerebrovascular diseases (I60–I69)	74	66	19	20	5	2	15	4
Diseases of the respiratory system (J00–J99)	120	67	55	29	12	4	12	7
Chronic lower respiratory diseases (J40–J47)	77	47	44	27	11	3	6	4
Diseases of the digestive system (K00–K93)	33	28	12	11	5	2	4	4
75–84 years	1 691	1 394	638	585	67	52	193	202
Malignant neoplasms (C00–C97)	541	383	176	154	20	12	56	46
Digestive organs (C15–C26)	138	110	45	47	6	1	17	13
Trachea, bronchus and lung (C33, C34)	136	82	36	21	4	2	6	6
Breast (C50)	—	45	—	17	—	3	—	10
Female genital organs (C51–C58)	..	24	..	13	..	1	..	4
Male genital organs (C60–C63)	87	..	35	..	3	..	6	..
Prostate (C61)	86	..	34	..	2	..	6	..
Diabetes mellitus (E10–E14)	33	42	16	6	3	2	4	7
Mental and behavioural disorders (F00–F99)	31	37	9	11	1	—	2	3
Diseases of the nervous system (G00–G99)	70	55	18	18	2	—	10	4
Diseases of the circulatory system (I00–I99)	672	564	276	285	21	22	79	111
Ischaemic heart diseases (I20–I25)	372	290	156	126	10	12	43	50
Acute myocardial infarction (I21)	222	179	90	76	5	8	20	32
Cerebrovascular diseases (I60–I69)	160	158	58	84	4	8	14	37
Diseases of arteries, arterioles and capillaries (I70–I79)	43	23	20	21	2	—	10	7
Diseases of the respiratory system (J00–J99)	164	114	78	46	7	6	21	12
Chronic lower respiratory diseases (J40–J47)	89	57	56	26	5	6	11	8
Diseases of the digestive system (K00–K93)	51	63	18	16	6	1	4	4

1.6 UNDERLYING CAUSE, Age and State or Territory of Usual Residence *continued*

Cause of death and ICD code	NSW.....		Vic.....		Qld.....		SA.....	
	Males	Females	Males	Females	Males	Females	Males	Females
85 years and over	4 350	8 508	3 372	6 241	2 231	3 876	1 231	2 301
Malignant neoplasms (C00–C97)	758	923	613	764	417	409	231	268
Digestive organs (C15–C26)	187	343	154	273	102	148	49	93
Female genital organs (C51–C58)	..	58	..	50	..	34	..	24
Male genital organs (C60–C63)	215	..	173	..	105	..	65	..
Diabetes mellitus (E10–E14)	91	122	98	151	50	76	19	39
Mental and behavioural disorders (F00–F99)	100	336	131	327	47	130	18	111
Diseases of the circulatory system (I00–I99)	2 168	4 869	1 534	3 323	1 080	2 279	573	1 241
Ischaemic heart diseases (I20–I25)	1 079	2 155	782	1 490	581	1 159	294	579
Cerebrovascular diseases (I60–I69)	582	1 529	377	932	285	676	133	370
Diseases of arteries, arterioles and capillaries (I70–I79)	108	229	80	196	68	104	30	46
Diseases of the respiratory system (J00–J99)	523	768	419	498	288	311	214	261
Chronic lower respiratory diseases (J40–J47)	210	237	217	159	138	91	81	50
Diseases of the digestive system (K00–K93)	124	270	100	223	77	158	43	94
Diseases of the genitourinary system (N00–N99)	136	259	157	227	55	91	41	73
All ages(a)	23 445	21 964	16 368	15 650	12 023	10 402	6 121	5 722
Chapter I Certain infectious and parasitic diseases (A00–B99)	369	302	208	224	126	78	60	81
Chapter II Neoplasms (C00–D48)	6 982	5 484	5 158	4 175	3 828	2 630	1 848	1 409
Malignant neoplasms (C00–C97)	6 843	5 358	5 055	4 076	3 759	2 574	1 810	1 375
Trachea, bronchus and lung (C33, C34)	1 561	785	1 094	599	882	362	432	195
Melanoma of skin (C43)	231	120	130	92	147	65	40	24
Breast (C50)	4	835	9	709	3	398	1	226
Female genital organs (C51–C58)	..	491	..	347	..	242	..	134
Male genital organs (C60–C63)	900	..	691	..	520	..	255	..
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	73	86	46	55	32	34	19	21
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	616	599	646	605	404	355	191	216
Diabetes mellitus (E10–E14)	452	394	489	439	309	246	130	155
Chapter V Mental and behavioural disorders (F00–F99)	536	604	387	524	158	194	103	184
Chapter VI Diseases of the nervous system (G00–G99)	671	818	472	579	327	334	117	132
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	1	—	—	—	—	—	—
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	—	2	1	—	1	2	—	—
Chapter IX Diseases of the circulatory system (I00–I99)	8 727	9 624	5 603	6 314	4 217	4 566	2 261	2 428
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	6 244	6 135	4 107	4 079	2 996	2 985	1 679	1 609
Ischaemic heart diseases (I20–I25)	5 038	4 503	3 314	2 934	2 599	2 412	1 360	1 191
Acute myocardial infarction (I21)	2 631	2 379	1 799	1 716	1 401	1 398	791	743
Cerebrovascular diseases (I60–I69)	1 899	2 814	1 119	1 743	871	1 292	428	688
Chapter X Diseases of the respiratory system (J00–J99)	2 147	1 860	1 387	1 203	1 032	754	640	557
Influenza and pneumonia (J10–J18)	441	544	278	379	220	254	206	265
Chronic lower respiratory diseases (J40–J47)	1 248	932	874	617	667	391	308	194
Chapter XI Diseases of the digestive system (K00–K93)	766	707	468	499	342	379	206	217
Diseases of liver (K70–K77)	301	131	190	85	118	46	84	36
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	46	80	20	23	13	22	7	13
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	85	192	79	160	48	98	21	54
Chapter XIV Diseases of the genitourinary system (N00–N99)	389	553	381	420	166	215	117	148
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	8	..	2	..	4	..	—
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	133	106	75	49	69	66	29	12
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	99	93	85	70	61	67	32	18
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	73	92	79	68	51	52	12	25
Chapter XX External causes of morbidity and mortality (V01–Y98)	1 733	753	1 273	680	1 148	552	458	207
Transport accidents (V01–V99)	477	180	322	141	274	89	129	49
Falls (W00–W19)	136	96	57	40	56	71	12	15
Intentional self-harm (X60–X84)	588	142	382	129	421	120	161	38

(a) Including age not stated.

1.6 UNDERLYING CAUSE, Age and State or Territory of Usual Residence *continued*

Cause of death and ICD code	WA.....		Tas.....		NT.....		ACT.....	
	Males	Females	Males	Females	Males	Females	Males	Females
85 years and over	1 071	1 857	333	641	26	24	95	216
Malignant neoplasms (C00–C97)	224	221	57	83	2	3	24	23
Digestive organs (C15–C26)	46	71	17	38	—	1	4	8
Female genital organs (C51–C58)	..	20	..	6	..	—	..	1
Male genital organs (C60–C63)	55	..	16	..	—	..	7	..
Diabetes mellitus (E10–E14)	22	32	9	10	—	—	—	2
Mental and behavioural disorders (F00–F99)	42	79	8	22	—	2	3	18
Diseases of the circulatory system (I00–I99)	499	962	169	350	12	6	52	129
Ischaemic heart diseases (I20–I25)	274	454	74	154	3	2	23	55
Cerebrovascular diseases (I60–I69)	114	278	58	92	4	3	7	42
Diseases of arteries, arterioles and capillaries (I70–I79)	30	48	5	28	2	—	3	5
Diseases of the respiratory system (J00–J99)	113	158	38	77	4	5	9	17
Chronic lower respiratory diseases (J40–J47)	49	62	18	24	2	—	4	5
Diseases of the digestive system (K00–K93)	41	77	8	26	1	3	2	3
Diseases of the genitourinary system (N00–N99)	25	54	14	16	2	1	—	8
All ages(a)	5 718	4 950	1 926	1 785	571	338	642	658
Chapter I Certain infectious and parasitic diseases (A00–B99)	62	58	20	16	16	12	6	7
Chapter II Neoplasms (C00–D48)	1 804	1 364	594	494	117	83	213	189
Malignant neoplasms (C00–C97)	1 775	1 339	590	487	115	79	205	186
Trachea, bronchus and lung (C33, C34)	417	231	134	75	34	13	32	31
Melanoma of skin (C43)	52	36	14	11	4	4	6	4
Breast (C50)	1	205	1	79	—	15	—	44
Female genital organs (C51–C58)	..	122	..	42	..	9	..	15
Male genital organs (C60–C63)	215	..	87	..	8	..	24	..
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	11	16	6	9	1	1	2	1
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	189	169	53	38	28	20	14	14
Diabetes mellitus (E10–E14)	145	126	41	24	18	17	10	11
Chapter V Mental and behavioural disorders (F00–F99)	136	144	20	37	12	6	6	23
Chapter VI Diseases of the nervous system (G00–G99)	180	257	46	54	8	8	18	18
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	—	—	—	—	—	—	—
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	1	1	—	—	1	—	—	—
Chapter IX Diseases of the circulatory system (I00–I99)	1 881	1 879	694	756	149	77	223	286
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	1 376	1 225	491	481	116	50	162	182
Ischaemic heart diseases (I20–I25)	1 135	920	392	342	90	33	123	133
Acute myocardial infarction (I21)	641	514	219	187	41	15	62	78
Cerebrovascular diseases (I60–I69)	379	544	155	202	20	19	42	85
Chapter X Diseases of the respiratory system (J00–J99)	446	369	185	165	42	31	44	45
Influenza and pneumonia (J10–J18)	109	109	35	57	10	8	13	9
Chronic lower respiratory diseases (J40–J47)	239	183	128	89	27	20	23	22
Chapter XI Diseases of the digestive system (K00–K93)	178	189	59	60	27	12	16	14
Diseases of liver (K70–K77)	64	34	23	15	16	6	8	4
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	8	10	4	3	1	1	—	1
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	24	40	14	20	2	4	6	5
Chapter XIV Diseases of the genitourinary system (N00–N99)	86	99	33	33	10	23	4	14
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	—	..	—	..	—	..	1
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	27	26	11	8	10	10	6	5
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	27	19	7	5	9	8	6	4
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	70	38	44	33	24	7	11	3
Chapter XX External causes of morbidity and mortality (V01–Y98)	588	272	136	54	114	35	67	28
Transport accidents (V01–V99)	167	61	34	10	42	17	14	9
Falls (W00–W19)	25	20	11	9	7	3	4	3
Intentional self-harm (X60–X84)	206	55	40	10	37	5	25	4

(a) Including age not stated.

1.7 UNDERLYING CAUSE, Standardised Death Rates(a)

Cause of death and ICD code	NSW	Vic.	Qld	SA
1990				
All causes	739.1	700.9	703.0	697.6
Malignant neoplasms (C00–C97)	181.6	186.3	170.6	182.1
Trachea, bronchus and lung (C33, C34)	35.5	36.6	34.2	35.0
Diabetes mellitus (E10–E14)	11.7	17.9	9.6	10.8
Mental and behavioural disorders (F00–F99)	12.9	13.9	11.0	8.9
Diseases of the nervous system (G00–G99)	11.9	15.0	13.1	12.6
Diseases of the circulatory system (I00–I99)	346.2	305.0	325.7	319.5
Ischaemic heart disease (I20–I25)	195.2	174.2	191.0	188.8
Acute myocardial infarction (I21)	131.6	114.4	131.9	132.5
Cerebrovascular diseases (I60–I69)	81.9	65.4	73.4	66.5
Diseases of arteries, arterioles and capillaries (I70–I79)	18.6	20.1	19.4	20.7
Diseases of the respiratory system (J00–J99)	53.2	51.6	52.0	56.3
Influenza and pneumonia (J10–J18)	7.8	9.4	11.2	17.3
Chronic lower respiratory diseases (J40–J47)	38.2	36.2	34.4	34.3
Diseases of the digestive system (K00–K93)	25.4	23.9	24.9	22.1
Accidents (V01–X59)	30.5	28.2	33.1	28.8
Transport accidents (V01–V99)	16.2	15.9	18.2	16.9
Intentional self-harm (X60–X84)	11.5	11.3	14.8	14.8
2000				
All causes	576.2	547.9	565.8	574.6
Malignant neoplasms (C00–C97)	161.3	163.6	165.2	162.3
Trachea, bronchus and lung (C33, C34)	31.7	30.9	33.2	32.5
Diabetes mellitus (E10–E14)	10.8	15.9	14.1	14.1
Mental and behavioural disorders (F00–F99)	14.5	14.8	8.4	13.3
Diseases of the nervous system (G00–G99)	18.5	17.8	16.4	12.8
Diseases of the circulatory system (I00–I99)	222.0	193.7	213.6	213.0
Ischaemic heart disease (I20–I25)	117.0	103.0	123.1	118.1
Acute myocardial infarction (I21)	61.6	57.8	69.0	71.0
Cerebrovascular diseases (I60–I69)	55.7	45.6	51.6	49.0
Diseases of arteries, arterioles and capillaries (I70–I79)	11.4	10.4	12.4	9.6
Diseases of the respiratory system (J00–J99)	49.7	42.7	44.2	54.1
Influenza and pneumonia (J10–J18)	11.5	10.0	11.0	19.7
Chronic lower respiratory diseases (J40–J47)	28.0	25.4	27.0	24.0
Diseases of the digestive system (K00–K93)	18.6	16.2	17.6	20.1
Accidents (V01–X59)	22.6	25.7	27.5	25.4
Transport accidents (V01–V99)	10.2	9.7	10.2	12.2
Intentional self-harm (X60–X84)	11.0	10.5	15.2	13.1

(a) Standardised death rate per 100,000 of the mid-year 1991 population.
See Glossary for further explanation.

1.7 UNDERLYING CAUSE, Standardised Death Rates(a) *continued*

<i>Cause of death and ICD code</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>
1990				
All causes	659.3	791.5	1 130.2	668.2
Malignant neoplasms (C00–C97)	171.4	197.6	202.4	191.9
Trachea, bronchus and lung (C33, C34)	36.8	40.9	36.9	37.6
Diabetes mellitus (E10–E14)	12.4	9.0	40.2	16.0
Mental and behavioural disorders (F00–F99)	9.2	15.7	14.4	8.3
Diseases of the nervous system (G00–G99)	16.1	14.1	17.4	13.6
Diseases of the circulatory system (I00–I99)	292.1	354.0	369.5	265.7
Ischaemic heart disease (I20–I25)	173.1	199.9	164.1	139.5
Acute myocardial infarction (I21)	111.9	124.6	99.2	79.5
Cerebrovascular diseases (I60–I69)	63.4	67.1	78.4	53.9
Diseases of arteries, arterioles and capillaries (I70–I79)	15.7	32.6	5.8	22.2
Diseases of the respiratory system (J00–J99)	49.9	76.6	190.2	55.8
Influenza and pneumonia (J10–J18)	11.4	29.3	56.1	10.3
Chronic lower respiratory diseases (J40–J47)	31.9	43.5	105.4	35.6
Diseases of the digestive system (K00–K93)	23.0	23.0	50.1	27.0
Accidents (V01–X59)	29.3	35.9	101.8	25.5
Transport accidents (V01–V99)	14.2	19.6	47.8	15.6
Intentional self-harm (X60–X84)	13.5	15.4	17.9	13.5
2000				
All causes	541.8	618.4	891.8	509.2
Malignant neoplasms (C00–C97)	163.7	187.1	219.7	151.2
Trachea, bronchus and lung (C33, C34)	34.7	36.9	56.8	23.8
Diabetes mellitus (E10–E14)	14.1	10.5	38.9	8.9
Mental and behavioural disorders (F00–F99)	13.6	8.5	13.5	11.8
Diseases of the nervous system (G00–G99)	21.4	16.6	14.8	13.1
Diseases of the circulatory system (I00–I99)	185.9	227.2	263.4	206.8
Ischaemic heart disease (I20–I25)	102.6	116.9	140.6	103.9
Acute myocardial infarction (I21)	58.0	65.4	71.4	57.4
Cerebrovascular diseases (I60–I69)	45.3	54.7	55.2	52.0
Diseases of arteries, arterioles and capillaries (I70–I79)	8.5	15.3	17.0	13.2
Diseases of the respiratory system (J00–J99)	41.3	56.1	89.1	35.9
Influenza and pneumonia (J10–J18)	10.4	13.1	19.0	8.8
Chronic lower respiratory diseases (J40–J47)	21.9	36.3	61.2	18.1
Diseases of the digestive system (K00–K93)	18.2	19.7	43.3	11.6
Accidents (V01–X59)	27.5	25.5	51.0	21.4
Transport accidents (V01–V99)	12.2	9.6	30.2	7.7
Intentional self-harm (X60–X84)	13.7	11.4	20.1	8.9

(a) Standardised death rate per 100,000 of the mid-year 1991 population.
See Glossary for further explanation.

1.8 UNDERLYING CAUSE, Indigenous People and Usual Residence(a)

Cause of death and ICD code	INDIGENOUS.....				NON-INDIGENOUS(b).....			
	Males	Females	Persons	Proportion of total deaths	Males	Females	Persons	Proportion of total deaths
	no.	no.	no.	%	no.	no.	no.	%
NEW SOUTH WALES								
All causes	259	214	473	100.0	23 186	21 750	44 936	100.0
Malignant neoplasms (C00–C97)	41	45	86	18.2	6 802	5 313	12 115	27.0
Digestive organs (C15–C26)	12	9	21	4.4	1 868	1 490	3 358	7.5
Trachea, bronchus and lung (C33, C34)	8	11	19	4.0	1 553	774	2 327	5.2
Diabetes mellitus (E10–E14)	11	13	24	5.1	441	381	822	1.8
Mental and behavioural disorders (F00–F99)	14	6	20	4.2	522	598	1 120	2.5
Diseases of the circulatory system (I00–I99)	92	72	164	34.7	8 635	9 552	18 187	40.5
Ischaemic heart diseases (I20–I25)	64	40	104	22.0	4 974	4 463	9 437	21.0
Cerebrovascular diseases (I60–I69)	7	12	19	4.0	1 892	2 802	4 694	10.4
Diseases of the respiratory system (J00–J99)	20	14	34	7.2	2 127	1 846	3 973	8.8
Chronic lower respiratory diseases (J40–J47)	11	11	22	4.7	1 237	921	2 158	4.8
Diseases of the digestive system (K00–K93)	4	7	11	2.3	762	700	1 462	3.3
Diseases of the liver (K70–K77)	1	3	4	0.8	300	128	428	1.0
Certain conditions originating in the perinatal period (P00–P96)	7	11	18	3.8	126	95	221	0.5
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	4	4	8	1.7	95	89	184	0.4
All other medical conditions (remainder of (A00–R99)	26	21	47	9.9	1 983	2 444	4 427	9.9
External causes of morbidity and mortality (V01–Y98)	40	21	61	12.9	1 693	732	2 425	5.4
Transport accidents (V01–V99)	11	7	18	3.8	466	173	639	1.4
Intentional self-harm (X60–X84)	11	4	15	3.2	577	138	715	1.6
Assault (X85–Y09)	7	5	12	2.5	66	34	100	0.2
Other external causes (remainder of V01–Y98)	11	5	16	3.4	584	387	971	2.2
VICTORIA								
All causes	57	51	108	100.0	16 311	15 599	31 910	100.0
Malignant neoplasms (C00–C97)	14	9	23	21.3	5 041	4 067	9 108	28.5
Digestive organs (C15–C26)	4	1	5	4.6	1 500	1 194	2 694	8.4
Trachea, bronchus and lung (C33, C34)	3	1	4	3.7	1 091	598	1 689	5.3
Diabetes mellitus (E10–E14)	2	6	8	7.4	487	433	920	2.9
Mental and behavioural disorders (F00–F99)	3	2	5	4.6	384	522	906	2.8
Diseases of the circulatory system (I00–I99)	20	10	30	27.8	5 583	6 304	11 887	37.3
Ischaemic heart diseases (I20–I25)	13	3	16	14.8	3 301	2 931	6 232	19.5
Cerebrovascular diseases (I60–I69)	3	4	7	6.5	1 116	1 739	2 855	8.9
Diseases of the respiratory system (J00–J99)	4	3	7	6.5	1 383	1 200	2 583	8.1
Chronic lower respiratory diseases (J40–J47)	4	3	7	6.5	870	614	1 484	4.7
Diseases of the digestive system (K00–K93)	2	3	5	4.6	466	496	962	3.0
Diseases of the liver (K70–K77)	2	2	4	3.7	188	83	271	0.8
Certain conditions originating in the perinatal period (P00–P96)	1	1	2	1.9	74	48	122	0.4
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	—	2	2	1.9	85	68	153	0.5
All other medical conditions (remainder of (A00–R99)	2	9	11	10.2	1 544	1 787	3 331	10.4
External causes of morbidity and mortality (V01–Y98)	9	6	15	13.9	1 264	674	1 938	6.1
Transport accidents (V01–V99)	1	2	3	2.8	321	139	460	1.4
Intentional self-harm (X60–X84)	3	2	5	4.6	379	127	506	1.6
Assault (X85–Y09)	—	—	—	0.0	33	19	52	0.2
Other external causes (remainder of V01–Y98)	5	2	7	6.5	531	389	920	2.9

(a) Coverage varies for States and Territories Indigenous death registration data.
See Appendix 6 for further explanation.

(b) Includes not stated.

1.8 UNDERLYING CAUSE, Indigenous People and Usual Residence(a) *continued*

Cause of death and ICD code	INDIGENOUS.....				NON-INDIGENOUS(b).....			
	Males	Females	Persons	Proportion of total deaths	Males	Females	Persons	Proportion of total deaths
	no.	no.	no.	%	no.	no.	no.	%
QUEENSLAND								
All causes	291	244	535	100.0	11 732	10 158	21 890	100.0
Malignant neoplasms (C00–C97)	64	35	99	18.5	3 695	2 539	6 234	28.5
Digestive organs (C15–C26)	18	8	26	4.9	1 021	718	1 739	7.9
Trachea, bronchus and lung (C33, C34)	27	5	32	6.0	855	357	1 212	5.5
Diabetes mellitus (E10–E14)	21	39	60	11.2	288	207	495	2.3
Mental and behavioural disorders (F00–F99)	5	3	8	1.5	153	191	344	1.6
Diseases of the circulatory system (I00–I99)	78	75	153	28.6	4 139	4 491	8 630	39.4
Ischaemic heart diseases (I20–I25)	53	43	96	17.9	2 546	2 369	4 915	22.5
Cerebrovascular diseases (I60–I69)	13	20	33	6.2	858	1 272	2 130	9.7
Diseases of the respiratory system (J00–J99)	22	22	44	8.2	1 010	732	1 742	8.0
Chronic lower respiratory diseases (J40–J47)	11	14	25	4.7	656	377	1 033	4.7
Diseases of the digestive system (K00–K93)	2	8	10	1.9	340	371	711	3.2
Diseases of the liver (K70–K77)	2	4	6	1.1	116	42	158	0.7
Certain conditions originating in the perinatal period (P00–P96)	7	9	16	3.0	62	57	119	0.5
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3	7	10	1.9	58	60	118	0.5
All other medical conditions (remainder of A00–R99)	33	25	58	10.8	895	979	1 874	8.6
External causes of morbidity and mortality (V01–Y98)	56	21	77	14.4	1 092	531	1 623	7.4
Transport accidents (V01–V99)	11	5	16	3.0	263	84	347	1.6
Intentional self-harm (X60–X84)	20	4	24	4.5	401	116	517	2.4
Assault (X85–Y09)	5	5	10	1.9	33	22	55	0.3
Other external causes (remainder of V01–Y98)	20	7	27	5.0	395	309	704	3.2
SOUTH AUSTRALIA								
All causes	79	65	144	100.0	6 042	5 657	11 699	100.0
Malignant neoplasms (C00–C97)	9	8	17	11.8	1 801	1 367	3 168	27.1
Digestive organs (C15–C26)	5	2	7	4.9	501	387	888	7.6
Trachea, bronchus and lung (C33, C34)	3	2	5	3.5	429	193	622	5.3
Diabetes mellitus (E10–E14)	5	13	18	12.5	125	142	267	2.3
Mental and behavioural disorders (F00–F99)	6	—	6	4.2	97	184	281	2.4
Diseases of the circulatory system (I00–I99)	21	16	37	25.7	2 240	2 412	4 652	39.8
Ischaemic heart diseases (I20–I25)	12	12	24	16.7	1 348	1 179	2 527	21.6
Cerebrovascular diseases (I60–I69)	1	2	3	2.1	427	686	1 113	9.5
Diseases of the respiratory system (J00–J99)	5	8	13	9.0	635	549	1 184	10.1
Chronic lower respiratory diseases (J40–J47)	2	6	8	5.6	306	188	494	4.2
Diseases of the digestive system (K00–K93)	3	2	5	3.5	203	215	418	3.6
Diseases of the liver (K70–K77)	3	—	3	2.1	81	36	117	1.0
Certain conditions originating in the perinatal period (P00–P96)	2	—	2	1.4	27	12	39	0.3
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3	—	3	2.1	29	18	47	0.4
All other medical conditions (remainder of A00–R99)	11	8	19	13.2	441	561	1 002	8.6
External causes of morbidity and mortality (V01–Y98)	14	10	24	16.7	444	197	641	5.5
Transport accidents (V01–V99)	4	3	7	4.9	125	46	171	1.5
Intentional self-harm (X60–X84)	3	2	5	3.5	158	36	194	1.7
Assault (X85–Y09)	1	—	1	0.7	14	8	22	0.2
Other external causes (remainder of V01–Y98)	6	5	11	7.6	147	107	254	2.2

(a) Coverage varies for States and Territories Indigenous death registration data.
See Appendix 6 for further explanation.

(b) Includes not stated.

1.8 UNDERLYING CAUSE, Indigenous People and Usual Residence(a) *continued*

Cause of death and ICD code	INDIGENOUS.....				NON-INDIGENOUS(b).....			
	Males	Females	Persons	Proportion of total deaths	Males	Females	Persons	Proportion of total deaths
	no.	no.	no.	%	no.	no.	no.	%
WESTERN AUSTRALIA								
All causes	237	170	407	100.0	5 481	4 780	10 261	100.0
Malignant neoplasms (C00–C97)	26	18	44	10.8	1 749	1 321	3 070	29.9
Digestive organs (C15–C26)	4	9	13	3.2	484	362	846	8.2
Trachea, bronchus and lung (C33, C34)	5	1	6	1.5	412	230	642	6.3
Diabetes mellitus (E10–E14)	15	24	39	9.6	130	102	232	2.3
Mental and behavioural disorders (F00–F99)	7	2	9	2.2	129	142	271	2.6
Diseases of the circulatory system (I00–I99)	48	52	100	24.6	1 833	1 827	3 660	35.7
Ischaemic heart diseases (I20–I25)	31	29	60	14.7	1 104	891	1 995	19.4
Cerebrovascular diseases (I60–I69)	10	14	24	5.9	369	530	899	8.8
Diseases of the respiratory system (J00–J99)	19	6	25	6.1	427	363	790	7.7
Chronic lower respiratory diseases (J40–J47)	6	2	8	2.0	233	181	414	4.0
Diseases of the digestive system (K00–K93)	17	7	24	5.9	161	182	343	3.3
Diseases of the liver (K70–K77)	14	5	19	4.7	50	29	79	0.8
Certain conditions originating in the perinatal period (P00–P96)	8	3	11	2.7	19	23	42	0.4
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	6	3	9	2.2	21	16	37	0.4
All other medical conditions (remainder of A00–R99)	33	29	62	15.2	482	558	1 040	10.1
External causes of morbidity and mortality (V01–Y98)	58	26	84	20.6	530	246	776	7.6
Transport accidents (V01–V99)	12	5	17	4.2	155	56	211	2.1
Intentional self-harm (X60–X84)	20	3	23	5.7	186	52	238	2.3
Assault (X85–Y09)	5	7	12	2.9	16	10	26	0.3
Other external causes (remainder of V01–Y98)	21	11	32	7.9	173	128	301	2.9
NORTHERN TERRITORY								
All causes	246	204	450	100.0	325	134	459	100.0
Malignant neoplasms (C00–C97)	28	33	61	13.6	87	46	133	29.0
Digestive organs (C15–C26)	11	7	18	4.0	24	5	29	6.3
Trachea, bronchus and lung (C33, C34)	10	7	17	3.8	24	6	30	6.5
Diabetes mellitus (E10–E14)	12	13	25	5.6	6	4	10	2.2
Mental and behavioural disorders (F00–F99)	11	4	15	3.3	1	2	3	0.7
Diseases of the circulatory system (I00–I99)	66	49	115	25.6	83	28	111	24.2
Ischaemic heart diseases (I20–I25)	39	20	59	13.1	51	13	64	13.9
Cerebrovascular diseases (I60–I69)	8	10	18	4.0	12	9	21	4.6
Diseases of the respiratory system (J00–J99)	18	19	37	8.2	24	12	36	7.8
Chronic lower respiratory diseases (J40–J47)	9	13	22	4.9	18	7	25	5.4
Diseases of the digestive system (K00–K93)	8	7	15	3.3	19	5	24	5.2
Diseases of the liver (K70–K77)	6	4	10	2.2	10	2	12	2.6
Certain conditions originating in the perinatal period (P00–P96)	8	9	17	3.8	2	1	3	0.7
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	6	7	13	2.9	3	1	4	0.9
All other medical conditions (remainder of A00–R99)	42	49	91	20.2	33	14	47	10.2
External causes of morbidity and mortality (V01–Y98)	47	14	61	13.6	67	21	88	19.2
Transport accidents (V01–V99)	15	4	19	4.2	27	13	40	8.7
Intentional self-harm (X60–X84)	13	1	14	3.1	24	4	28	6.1
Assault (X85–Y09)	10	5	15	3.3	1	—	1	0.2
Other external causes (remainder of V01–Y98)	9	4	13	2.9	15	4	19	4.1

(a) Coverage varies for States and Territories Indigenous death registration data.
See Appendix 6 for further explanation.

(b) Includes not stated.

1.8 UNDERLYING CAUSE, Indigenous People and Usual Residence(a) *continued*

Cause of death and ICD code	INDIGENOUS.....				NON-INDIGENOUS(b).....			
	Males	Females	Persons	Proportion of total deaths	Males	Females	Persons	Proportion of total deaths
	no.	no.	no.	%	no.	no.	no.	%
AUSTRALIA (c)								
All causes	1 174	953	2 127	100.0	65 643	60 521	126 164	100.0
Malignant neoplasms (C00–C97)	184	151	335	15.7	19 969	15 324	35 293	28.0
Digestive organs (C15–C26)	55	38	93	4.4	5 621	4 341	9 962	7.9
Trachea, bronchus and lung (C33, C34)	56	27	83	3.9	4 531	2 264	6 795	5.4
Diabetes mellitus (E10–E14)	66	108	174	8.2	1 528	1 304	2 832	2.2
Mental and behavioural disorders (F00–F99)	46	17	63	3.0	1 312	1 699	3 011	2.4
Diseases of the circulatory system (I00–I99)	326	274	600	28.2	23 430	25 657	49 087	38.9
Ischaemic heart diseases (I20–I25)	213	147	360	16.9	13 839	12 322	26 161	20.7
Cerebrovascular diseases (I60–I69)	42	62	104	4.9	4 871	7 325	12 196	9.7
Diseases of the respiratory system (J00–J99)	89	72	161	7.6	5 834	4 912	10 746	8.5
Chronic lower respiratory diseases (J40–J47)	44	49	93	4.4	3 470	2 399	5 869	4.7
Diseases of the digestive system (K00–K93)	36	34	70	3.3	2 027	2 044	4 071	3.2
Diseases of the liver (K70–K77)	28	18	46	2.2	777	339	1 116	0.9
Certain conditions originating in the perinatal period (P00–P96)	33	33	66	3.1	327	249	576	0.5
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	22	23	45	2.1	304	261	565	0.4
All other medical conditions (remainder of A00–R99)	147	143	290	13.6	5 620	6 588	12 208	9.7
External causes of morbidity and mortality (V01–Y98)	225	98	323	15.2	5 292	2 483	7 775	6.2
Transport accidents (V01–V99)	54	26	80	3.8	1 405	530	1 935	1.5
Intentional self-harm (X60–X84)	70	16	86	4.0	1 790	487	2 277	1.8
Assault (X85–Y09)	28	22	50	2.4	169	94	263	0.2
Other external causes (remainder of V01–Y98)	73	34	107	5.0	1 928	1 372	3 300	2.6

(a) Coverage varies for States and Territories Indigenous death registration data. See Appendix 6 for further explanation.

(b) Includes not stated.

(c) Includes Tasmania and the Australian Capital Territory which are not published separately due to small numbers. Further information is available on request.

SECTION 2

MULTIPLE CAUSES OF DEATH

INTRODUCTION

Multiple causes of death include all causes and conditions reported on the death certificate (i.e. both underlying and associated causes; see Glossary for further details). Deaths due to external causes are those which occur as a result of accidents, poisonings and/or violence. They are classified according to the event, such as accidental fall, leading to the fatal injury. Multiple cause data for external causes include the nature of injury or poisoning, as well as any other causes reported on the death certificate.

NUMBER OF CAUSES

For the 128,291 deaths registered in 2000, there were 360,602 causes reported (including 17,064 injuries) giving a mean 2.8 causes per death. Deaths with only one cause were reported in 21% of all deaths.

The average number of causes reported per death varies with age, sex and underlying cause of death and the extent to which associated conditions may contribute to death. For example, in 2000, males aged 75 years and over averaged 3.0 causes per death, while females aged under 1 year recorded 2.4 causes per death. Deaths as a result of external causes recorded 3.4 causes (including injuries) per death in 2000, with deaths as a result of accidental falls averaging 4.3 causes, reflecting the number of injuries sustained.

LEADING MULTIPLE CAUSES

The following table lists the ten leading multiple causes of death (underlying and associated causes) appearing on death certificates for deaths registered in 2000, and their corresponding ranking in terms of underlying causes.

LEADING MULTIPLE CAUSES OF DEATH

<i>Cause of death and ICD code</i>	<i>Multiple cause(a).....</i>			<i>Underlying cause</i>	
	<i>no.</i>	<i>%</i>	<i>rank</i>	<i>%</i>	<i>rank</i>
Malignant neoplasms (C00–C97)	39 917	31.1	1	27.8	1
Ischaemic heart diseases (I20–I25)	37 531	29.3	2	20.7	2
Cerebrovascular diseases (I60–I69)	20 170	15.7	3	9.6	3
Influenza and pneumonia (J10–J18)	17 906	14.0	4	2.3	7
Chronic lower respiratory diseases (J40–J47)	13 643	10.6	5	4.6	4
Renal failure (N17–N19)	11 803	9.2	6	1.3	12
Diabetes mellitus (E10–E14)	10 130	7.9	7	2.3	6
Accidents (V01–X59)	7 744	6.0	8	4.0	5
Septicaemia (A40, A41)	6 678	5.2	9	0.7	15
Organic, including symptomatic, mental disorders (F00–F09)	6 187	4.8	10	1.6	10
Deaths from all causes	128 291	100.0	..	100.0	..

(a) Number of deaths and percentages may add to more than totals because a death certificate can report more than one leading multiple cause.

2.1 DISTRIBUTION OF DEATHS, Number of Causes Per Death and Age

NUMBER OF CAUSES PER DEATH

Age group (years)	Mean conditions per death	Total deaths	Total	1	2	3	4	5	6 or more
	no.	no.	%	%	%	%	%	%	%
MALES									
All ages(a)	2.8	66 817	100.0	20.5	27.7	23.4	14.5	7.8	6.1
Under 1	2.4	725	100.0	36.1	26.9	17.5	11.4	3.4	4.6
1-14	2.7	377	100.0	15.6	46.4	16.2	8.5	5.8	7.4
15-24	2.8	1 201	100.0	10.5	47.9	20.7	8.8	6.0	6.1
25-34	2.8	1 852	100.0	11.8	43.5	20.5	10.7	7.1	6.4
35-44	2.8	2 459	100.0	20.2	35.2	18.3	11.6	7.0	7.6
45-54	2.6	4 036	100.0	29.3	29.7	18.5	11.1	5.8	5.5
55-64	2.6	7 137	100.0	29.6	26.7	20.8	11.8	6.1	5.0
65-74	2.8	15 042	100.0	22.7	26.1	23.3	14.2	7.7	6.0
75-84	3.0	21 261	100.0	17.7	25.8	24.9	16.3	8.7	6.5
85 and over	3.0	12 709	100.0	16.1	26.7	26.1	16.4	8.5	6.2
FEMALES									
All ages(a)	2.8	61 474	100.0	21.7	27.7	23.8	14.2	7.1	5.5
Under 1	2.4	565	100.0	34.3	28.7	17.2	10.6	5.5	3.7
1-14	2.7	264	100.0	22.7	31.8	22.7	9.8	6.4	6.4
15-24	2.9	463	100.0	13.6	46.2	15.1	9.9	5.0	10.2
25-34	3.0	698	100.0	16.9	34.7	19.9	9.6	7.4	11.5
35-44	2.7	1 308	100.0	28.4	29.2	18.0	11.5	5.2	7.8
45-54	2.5	2 544	100.0	34.3	26.4	18.0	10.9	5.1	5.2
55-64	2.5	4 168	100.0	32.4	24.6	20.3	12.0	5.7	4.9
65-74	2.8	9 078	100.0	25.3	24.8	22.0	14.2	7.7	6.0
75-84	2.9	18 720	100.0	20.0	26.5	24.2	15.4	7.9	5.9
85 and over	2.8	23 664	100.0	17.9	29.8	26.0	14.4	7.0	4.8
PERSONS									
All ages(a)	2.8	128 291	100.0	21.0	27.7	23.6	14.4	7.5	5.8
Under 1	2.4	1 290	100.0	35.3	27.7	17.4	11.1	4.3	4.2
1-14	2.7	641	100.0	18.6	40.4	18.9	9.0	6.1	7.0
15-24	2.8	1 664	100.0	11.4	47.4	19.2	9.1	5.7	7.2
25-34	2.9	2 550	100.0	13.2	41.1	20.3	10.4	7.2	7.8
35-44	2.8	3 767	100.0	23.0	33.1	18.2	11.6	6.4	7.7
45-54	2.5	6 580	100.0	31.3	28.4	18.3	11.1	5.6	5.4
55-64	2.6	11 305	100.0	30.6	25.9	20.6	11.9	6.0	5.0
65-74	2.8	24 120	100.0	23.7	25.6	22.9	14.2	7.7	6.0
75-84	2.9	39 981	100.0	18.8	26.1	24.6	15.9	8.4	6.2
85 and over	2.9	36 373	100.0	17.3	28.7	26.1	15.1	7.5	5.3

(a) Including age not stated.

2.2 UNDERLYING AND NUMBER OF CAUSES OF DEATH REPORTED

Underlying cause of death and ICD code	REPORTED WITH.....					Mean number of causes
	Reported alone	One other cause	Two other causes	Three other causes	Four or more other causes	
MALES						
All causes	13 689	18 537	15 635	9 686	9 270	2.8
Chapter I Certain infectious and parasitic diseases (A00–B99)	137	163	206	148	213	3.4
Septicaemia (A40, A41)	27	84	117	92	134	3.8
Human immunodeficiency virus (HIV) disease (B20–B24)	74	26	17	6	4	1.8
Chapter II Neoplasms (C00–D48)	7 522	5 450	3 844	2 026	1 703	2.3
Malignant neoplasms (C00–C97)	7 461	5 350	3 756	1 964	1 622	2.3
Digestive organs (C15–C26)	2 327	1 392	1 010	501	446	2.2
Oesophagus (C15)	294	165	114	52	42	2.1
Stomach (C16)	349	188	124	69	45	2.1
Colon (C18)	703	445	306	161	138	2.2
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	317	181	152	68	62	2.2
Liver and intrahepatic bile ducts (C22)	135	130	115	60	70	2.7
Pancreas (C25)	411	196	140	63	54	2.1
Trachea, bronchus and lung (C33, C34)	1 565	1 324	886	480	332	2.3
Melanoma of skin (C43)	308	146	97	37	36	2.0
Breast (C50)	6	3	5	4	1	2.7
Female genital organs (C51–C58)	..	..	..	..	..	..
Ovary (C56)	..	..	..	..	..	..
Male genital organs (C60–C63)	957	740	533	251	219	2.3
Prostate (C61)	945	730	527	248	213	2.3
Urinary tract (C64–C68)	385	269	199	114	109	2.4
Kidney, except renal pelvis (C64)	193	111	74	45	46	2.3
Bladder (C67)	184	142	119	68	61	2.5
Brain (C71)	377	142	63	20	20	1.7
Lymphoid, haematopoietic and related tissue (C81–C96)	568	549	434	273	238	2.6
Leukaemia (C91–C95)	162	206	183	111	110	2.8
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	61	100	88	62	81	3.1
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	8	27	43	42	70	4.1
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	53	338	699	548	503	3.7
Diabetes mellitus (E10–E14)	26	255	521	423	369	3.7
Chapter V Mental and behavioural disorders (F00–F99)	119	337	378	217	307	3.4
Chapter VI Diseases of the nervous system (G00–G99)	274	664	444	235	222	2.8
Alzheimer's disease (G30)	58	217	104	45	31	2.5
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	—	—	—	—	—
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	—	—	1	1	2	4.8
Chapter IX Diseases of the circulatory system (I00–I99)	3 970	6 454	6 268	3 859	3 205	2.9
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	2 555	4 456	4 621	3 026	2 514	3.0
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	5	10	28	30	28	3.9
Hypertensive diseases (I10–I15)	69	118	126	86	50	2.9
Ischaemic heart diseases (I20–I25)	2 155	3 713	3 789	2 404	1 991	3.0
Acute myocardial infarction (I21)	848	2 334	2 150	1 288	966	3.0
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	345	665	749	556	480	3.2
Heart failure (I50)	115	267	267	195	138	3.1
Cerebrovascular diseases (I60–I69)	1 152	1 555	1 232	560	414	2.5
Diseases of arteries, arterioles and capillaries (I70–I79)	241	351	310	199	220	3.0
Atherosclerosis (I70)	10	61	63	31	22	3.0
Aortic aneurysm and dissection (I71)	220	230	161	92	95	2.6

2.2 UNDERLYING AND NUMBER OF CAUSES OF DEATH REPORTED *continued*

Underlying cause of death and ICD code	REPORTED WITH.....					Mean number of causes
	Reported alone	One other cause	Two other causes	Three other causes	Four or more other causes	
Chapter X Diseases of the respiratory system (J00–J99)	815	1 545	1 578	1 053	932	3.1
Influenza and pneumonia (J10–J18)	424	374	250	150	114	2.4
Chronic lower respiratory diseases (J40–J47)	262	897	1 007	726	622	3.3
Emphysema (J43)	45	144	149	83	69	3.1
Asthma and status asthmaticus (J45, J46)	38	48	38	24	21	2.8
Chapter XI Diseases of the digestive system (K00–K93)	186	437	506	427	507	3.5
Diseases of oesophagus, stomach and duodenum (K20–K31)	29	74	81	64	83	3.5
Gastric and duodenal ulcer (K25–K27)	26	60	63	36	47	3.3
Diseases of liver (K70–K77)	102	201	198	155	149	3.2
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	1	9	30	21	38	4.1
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	6	40	59	72	102	4.1
Arthropathies and systemic connective tissue disorders (M00–M36)	4	27	47	48	61	4.0
Chapter XIV Diseases of the genitourinary system (N00–N99)	63	175	330	255	363	3.8
Renal failure (N17–N19)	56	131	242	157	216	3.7
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	..	..	..	..	..
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	97	107	74	50	32	2.5
Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery (P00–P04)	39	56	41	27	14	2.6
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	69	75	84	53	45	2.9
Congenital malformations of the circulatory system (Q20–Q28)	35	19	24	20	17	2.8
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	328	14	11	8	3	1.2
Chapter XX External causes of morbidity and mortality (V01–Y98)	41	2 702	1 080	671	1 023	3.2
Accidents (V01–X59)	27	1 414	608	453	797	3.5
Transport accidents (V01–V99)	22	825	266	128	218	3.0
Falls (W00–W19)	1	67	55	60	125	4.3
Accidental drowning and submersion (W65–W74)	—	127	26	15	11	2.5
Intentional self-harm (X60–X84)	7	1 143	403	162	145	2.7
Hanging, strangulation and suffocation (X70)	2	532	187	58	28	2.5
Assault (X85–Y09)	7	112	37	23	18	2.8

2.2 UNDERLYING AND NUMBER OF CAUSES OF DEATH REPORTED *continued*

Underlying cause of death and ICD code	REPORTED WITH.....					Mean number of causes
	Reported alone	One other cause	Two other causes	Three other causes	Four or more other causes	
FEMALES						
All causes	13 315	17 038	14 602	8 726	7 793	2.8
Chapter I Certain infectious and parasitic diseases (A00–B99)	85	163	196	160	175	3.4
Septicaemia (A40, A41)	45	109	132	100	100	3.4
Human immunodeficiency virus (HIV) disease (B20–B24)	6	2	1	1	—	1.7
Chapter II Neoplasms (C00–D48)	6 406	4 121	2 828	1 413	1 061	2.2
Malignant neoplasms (C00–C97)	6 353	4 031	2 740	1 347	1 004	2.2
Digestive organs (C15–C26)	1 857	1 133	720	401	268	2.1
Oesophagus (C15)	117	78	49	23	20	2.2
Stomach (C16)	201	92	59	38	24	2.0
Colon (C18)	666	436	279	163	121	2.2
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	214	127	89	53	31	2.2
Liver and intrahepatic bile ducts (C22)	83	64	47	22	11	2.2
Pancreas (C25)	429	226	115	64	39	1.9
Trachea, bronchus and lung (C33, C34)	904	628	426	192	141	2.2
Melanoma of skin (C43)	175	85	54	29	13	2.0
Breast (C50)	1 094	644	463	168	142	2.1
Female genital organs (C51–C58)	653	322	221	110	96	2.1
Ovary (C56)	389	182	113	51	39	2.0
Male genital organs (C60–C63)	..	..	..	..	..	..
Prostate (C61)	..	..	..	..	..	..
Urinary tract (C64–C68)	223	154	103	56	43	2.3
Kidney, except renal pelvis (C64)	126	71	47	32	19	2.2
Bladder (C67)	85	73	48	21	20	2.3
Brain (C71)	261	91	44	24	15	1.7
Lymphoid, haematopoietic and related tissue (C81–C96)	526	461	363	186	146	2.4
Leukaemia (C91–C95)	139	174	147	67	55	2.6
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	53	90	88	66	57	3.1
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	8	37	62	56	60	3.9
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	39	350	624	511	492	3.7
Diabetes mellitus (E10–E14)	15	246	474	368	309	3.6
Chapter V Mental and behavioural disorders (F00–F99)	242	643	436	212	183	2.8
Chapter VI Diseases of the nervous system (G00–G99)	411	806	540	261	182	2.6
Alzheimer's disease (G30)	219	459	267	96	63	2.4
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	—	—	—	1	5.0
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	—	3	—	1	1	3.0
Chapter IX Diseases of the circulatory system (I00–I99)	4 493	7 595	6 810	4 017	3 016	2.8
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	2 128	4 463	4 866	2 988	2 302	3.0
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	9	21	42	44	48	3.8
Hypertensive diseases (I10–I15)	122	252	184	116	79	2.8
Ischaemic heart diseases (I20–I25)	1 549	3 323	3 682	2 247	1 668	3.0
Acute myocardial infarction (I21)	982	2 133	2 077	1 070	768	2.8
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	481	978	1 041	652	561	3.1
Heart failure (I50)	238	485	484	271	184	2.9
Cerebrovascular diseases (I60–I69)	2 128	2 600	1 516	705	438	2.3
Diseases of arteries, arterioles and capillaries (I70–I79)	200	372	312	226	186	3.0
Atherosclerosis (I70)	44	126	77	46	31	2.7
Aortic aneurysm and dissection (I71)	145	170	123	56	45	2.5

2.2 UNDERLYING AND NUMBER OF CAUSES OF DEATH REPORTED *continued*

Underlying cause of death and ICD code	REPORTED WITH.....					Mean number of causes
	Reported alone	One other cause	Two other causes	Three other causes	Four or more other causes	
Chapter X Diseases of the respiratory system (J00–J99)	913	1 411	1 284	726	650	2.8
Influenza and pneumonia (J10–J18)	625	484	310	120	86	2.1
Chronic lower respiratory diseases (J40–J47)	184	649	750	438	427	3.2
Emphysema (J43)	32	67	63	36	33	2.9
Asthma and status asthmaticus (J45, J46)	43	81	74	43	44	2.9
Chapter XI Diseases of the digestive system (K00–K93)	235	453	500	393	497	3.4
Diseases of oesophagus, stomach and duodenum (K20–K31)	45	72	85	67	91	3.4
Gastric and duodenal ulcer (K25–K27)	42	60	58	39	46	3.1
Diseases of liver (K70–K77)	55	87	94	56	65	3.1
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	3	17	46	46	41	3.9
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	23	91	193	111	155	3.7
Arthropathies and systemic connective tissue disorders (M00–M36)	17	60	133	76	102	3.7
Chapter XIV Diseases of the genitourinary system (N00–N99)	71	295	429	306	405	3.7
Renal failure (N17–N19)	59	202	262	177	213	3.5
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	3	9	—	—	3	2.7
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	80	85	59	32	26	2.5
Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery (P00–P04)	33	39	31	16	18	2.7
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	42	68	77	47	50	3.1
Congenital malformations of the circulatory system (Q20–Q28)	22	18	22	19	16	3.0
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	246	35	18	12	7	1.4
Chapter XX External causes of morbidity and mortality (V01–Y98)	15	856	500	422	788	3.8
Accidents (V01–X59)	10	509	346	319	655	4.0
Transport accidents (V01–V99)	8	305	108	40	95	3.1
Falls (W00–W19)	1	37	52	58	109	4.4
Accidental drowning and submersion (W65–W74)	—	28	9	4	9	3.1
Intentional self-harm (X60–X84)	2	256	102	62	81	3.1
Hanging, strangulation and suffocation (X70)	—	118	41	14	9	2.6
Assault (X85–Y09)	3	72	25	8	8	2.6

2.2 UNDERLYING AND NUMBER OF CAUSES OF DEATH REPORTED *continued*

Underlying cause of death and ICD code	REPORTED WITH.....					Mean number of causes
	Reported alone	One other cause	Two other causes	Three other causes	Four or more other causes	
PERSONS						
All causes	27 004	35 575	30 237	18 412	17 063	2.8
Chapter I Certain infectious and parasitic diseases (A00–B99)	222	326	402	308	388	3.4
Septicaemia (A40, A41)	72	193	249	192	234	3.6
Human immunodeficiency virus (HIV) disease (B20–B24)	80	28	18	7	4	1.8
Chapter II Neoplasms (C00–D48)	13 928	9 571	6 672	3 439	2 764	2.3
Malignant neoplasms (C00–C97)	13 814	9 381	6 496	3 311	2 626	2.3
Digestive organs (C15–C26)	4 184	2 525	1 730	902	714	2.2
Oesophagus (C15)	411	243	163	75	62	2.1
Stomach (C16)	550	280	183	107	69	2.1
Colon (C18)	1 369	881	585	324	259	2.2
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	531	308	241	121	93	2.2
Liver and intrahepatic bile ducts (C22)	218	194	162	82	81	2.5
Pancreas (C25)	840	422	255	127	93	2.0
Trachea, bronchus and lung (C33, C34)	2 469	1 952	1 312	672	473	2.3
Melanoma of skin (C43)	483	231	151	66	49	2.0
Breast (C50)	1 100	647	468	172	143	2.1
Female genital organs (C51–C58)	653	322	221	110	96	2.1
Ovary (C56)	389	182	113	51	39	2.0
Male genital organs (C60–C63)	957	740	533	251	219	2.3
Prostate (C61)	945	730	527	248	213	2.3
Urinary tract (C64–C68)	608	423	302	170	152	2.4
Kidney, except renal pelvis (C64)	319	182	121	77	65	2.3
Bladder (C67)	269	215	167	89	81	2.5
Brain (C71)	638	233	107	44	35	1.7
Lymphoid, haematopoietic and related tissue (C81–C96)	1 094	1 010	797	459	384	2.5
Leukaemia (C91–C95)	301	380	330	178	165	2.7
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	114	190	176	128	138	3.1
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	16	64	105	98	130	4.0
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	92	688	1 323	1 059	995	3.7
Diabetes mellitus (E10–E14)	41	501	995	791	678	3.7
Chapter V Mental and behavioural disorders (F00–F99)	361	980	814	429	490	3.1
Chapter VI Diseases of the nervous system (G00–G99)	685	1 470	984	496	404	2.7
Alzheimer's disease (G30)	277	676	371	141	94	2.5
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	—	—	—	1	5.0
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	—	3	1	2	3	3.8
Chapter IX Diseases of the circulatory system (I00–I99)	8 463	14 049	13 078	7 876	6 221	2.9
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	4 683	8 919	9 487	6 014	4 816	3.0
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	14	31	70	74	76	3.8
Hypertensive diseases (I10–I15)	191	370	310	202	129	2.8
Ischaemic heart diseases (I20–I25)	3 704	7 036	7 471	4 651	3 659	3.0
Acute myocardial infarction (I21)	1 830	4 467	4 227	2 358	1 734	2.9
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	826	1 643	1 790	1 208	1 041	3.1
Heart failure (I50)	353	752	751	466	322	2.9
Cerebrovascular diseases (I60–I69)	3 280	4 155	2 748	1 265	852	2.4
Diseases of arteries, arterioles and capillaries (I70–I79)	441	723	622	425	406	3.0
Atherosclerosis (I70)	54	187	140	77	53	2.8
Aortic aneurysm and dissection (I71)	365	400	284	148	140	2.5

2.2 UNDERLYING AND NUMBER OF CAUSES OF DEATH REPORTED *continued*

Underlying cause of death and ICD code	REPORTED WITH.....					Mean number of causes
	Reported alone	One other cause	Two other causes	Three other causes	Four or more other causes	
Chapter X Diseases of the respiratory system (J00–J99)	1 728	2 956	2 862	1 779	1 582	3.0
Influenza and pneumonia (J10–J18)	1 049	858	560	270	200	2.3
Chronic lower respiratory diseases (J40–J47)	446	1 546	1 757	1 164	1 049	3.3
Emphysema (J43)	77	211	212	119	102	3.0
Asthma and status asthmaticus (J45, J46)	81	129	112	67	65	2.9
Chapter XI Diseases of the digestive system (K00–K93)	421	890	1 006	820	1 004	3.5
Diseases of oesophagus, stomach and duodenum (K20–K31)	74	146	166	131	174	3.5
Gastric and duodenal ulcer (K25–K27)	68	120	121	75	93	3.2
Diseases of liver (K70–K77)	157	288	292	211	214	3.2
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	4	26	76	67	79	4.0
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	29	131	252	183	257	3.9
Arthropathies and systemic connective tissue disorders (M00–M36)	21	87	180	124	163	3.8
Chapter XIV Diseases of the genitourinary system (N00–N99)	134	470	759	561	768	3.7
Renal failure (N17–N19)	115	333	504	334	429	3.6
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	3	9	—	—	3	2.7
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	177	192	133	82	58	2.5
Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery (P00–P04)	72	95	72	43	32	2.6
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	111	143	161	100	95	3.0
Congenital malformations of the circulatory system (Q20–Q28)	57	37	46	39	33	2.9
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	574	49	29	20	10	1.3
Chapter XX External causes of morbidity and mortality (V01–Y98)	56	3 558	1 580	1 093	1 811	3.4
Accidents (V01–X59)	37	1 923	954	772	1 452	3.7
Transport accidents (V01–V99)	30	1 130	374	168	313	3.1
Falls (W00–W19)	2	104	107	118	234	4.3
Accidental drowning and submersion (W65–W74)	—	155	35	19	20	2.6
Intentional self-harm (X60–X84)	9	1 399	505	224	226	2.8
Hanging, strangulation and suffocation (X70)	2	650	228	72	37	2.5
Assault (X85–Y09)	10	184	62	31	26	2.7

2.3 UNDERLYING AND MULTIPLE CAUSES OF DEATH, Numbers and Ratios

Cause of death and ICD code	UNDERLYING CAUSE....			MULTIPLE CAUSE(a).....			RATIO(b)
	Males	Females	Persons	Males	Females	Persons	Persons
All causes	66 817	61 474	128 291	178 829	164 709	343 538	2.7
Chapter I Certain infectious and parasitic diseases (A00–B99)	867	779	1 646	4 551	4 025	8 576	5.2
Septicaemia (A40, A41)	454	486	940	3 409	3 281	6 690	7.1
Human immunodeficiency virus (HIV) disease (B20–B24)	127	10	137	162	11	173	1.3
Chapter II Neoplasms (C00–D48)	20 545	15 829	36 374	27 860	21 119	48 979	1.3
Malignant neoplasms (C00–C97)	20 153	15 475	35 628	26 992	20 386	47 378	1.3
Digestive organs (C15–C26)	5 676	4 379	10 055	6 349	4 836	11 185	1.1
Oesophagus (C15)	667	287	954	732	308	1 040	1.1
Stomach (C16)	775	414	1 189	838	452	1 290	1.1
Colon (C18)	1 753	1 665	3 418	1 987	1 842	3 829	1.1
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	780	514	1 294	892	588	1 480	1.1
Liver and intrahepatic bile ducts (C22)	510	227	737	549	239	788	1.1
Pancreas (C25)	864	873	1 737	908	911	1 819	1.0
Trachea, bronchus and lung (C33, C34)	4 587	2 291	6 878	4 912	2 436	7 348	1.1
Melanoma of skin (C43)	624	356	980	694	396	1 090	1.1
Breast (C50)	19	2 511	2 530	30	3 038	3 068	1.2
Female genital organs (C51–C58)	..	1 402	1 402	..	1 560	1 560	1.1
Ovary (C56)	..	774	774	..	817	817	1.1
Male genital organs (C60–C63)	2 700	..	2 700	3 782	..	3 782	1.4
Prostate (C61)	2 663	..	2 663	3 730	..	3 730	1.4
Urinary tract (C64–C68)	1 076	579	1 655	1 379	692	2 071	1.3
Kidney, except renal pelvis (C64)	469	295	764	549	356	905	1.2
Bladder (C67)	574	247	821	793	298	1 091	1.3
Brain (C71)	622	435	1 057	640	442	1 082	1.0
Lymphoid, haematopoietic and related tissue (C81–C96)	2 062	1 682	3 744	2 539	2 014	4 553	1.2
Leukaemia (C91–C95)	772	582	1 354	972	713	1 685	1.2
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	392	354	746	868	733	1 601	2.1
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	190	223	413	1 790	1 750	3 540	8.6
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	2 141	2 016	4 157	8 263	8 130	16 393	3.9
Diabetes mellitus (E10–E14)	1 594	1 412	3 006	5 387	4 753	10 140	3.4
Chapter V Mental and behavioural disorders (F00–F99)	1 358	1 716	3 074	6 717	6 378	13 095	4.3
Chapter VI Diseases of the nervous system (G00–G99)	1 839	2 200	4 039	5 100	5 384	10 484	2.6
Alzheimer's disease (G30)	455	1 104	1 559	922	2 024	2 946	1.9
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	1	1	149	199	348	348.0
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	4	5	9	31	35	66	7.3
Chapter IX Diseases of the circulatory system (I00–I99)	23 756	25 931	49 687	62 645	62 809	125 454	2.5
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	17 172	16 747	33 919	47 281	44 241	91 522	2.7
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	101	164	265	250	398	648	2.4
Hypertensive diseases (I10–I15)	449	753	1 202	1 732	2 435	4 167	3.5
Ischaemic heart diseases (I20–I25)	14 052	12 469	26 521	26 146	21 559	47 705	1.8
Acute myocardial infarction (I21)	7 586	7 030	14 616	9 412	8 472	17 884	1.2
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	2 795	3 713	6 508	20 627	21 854	42 481	6.5
Heart failure (I50)	982	1 662	2 644	7 626	9 571	17 197	6.5
Cerebrovascular diseases (I60–I69)	4 913	7 387	12 300	9 642	12 871	22 513	1.8
Diseases of arteries, arterioles and capillaries (I70–I79)	1 321	1 296	2 617	3 127	2 635	5 762	2.2
Atherosclerosis (I70)	187	324	511	451	596	1 047	2.0
Aortic aneurysm and dissection (I71)	798	539	1 337	1 115	689	1 804	1.3

(a) Total mentions of cause on death certificates. See Glossary for further information. Excludes injury codes (ICD codes S000–T983).

(b) Ratio of multiple (underlying and contributory) to underlying cause.

2.3 UNDERLYING AND MULTIPLE CAUSES OF DEATH, Numbers and Ratios *continued*

Cause of death and ICD code	UNDERLYING CAUSE....			MULTIPLE CAUSE(a).....			RATIO(b)
	Males	Females	Persons	Males	Females	Persons	Persons
Chapter X Diseases of the respiratory system (J00–J99)	5 923	4 984	10 907	26 535	22 092	48 627	4.5
Influenza and pneumonia (J10–J18)	1 312	1 625	2 937	8 906	9 011	17 917	6.1
Chronic lower respiratory diseases (J40–J47)	3 514	2 448	5 962	8 496	5 423	13 919	2.3
Emphysema (J43)	490	231	721	1 105	501	1 606	2.2
Asthma and status asthmaticus (J45, J46)	169	285	454	535	839	1 374	3.0
Chapter XI Diseases of the digestive system (K00–K93)	2 063	2 078	4 141	7 395	6 456	13 851	3.3
Diseases of oesophagus, stomach and duodenum (K20–K31)	331	360	691	1 136	1 087	2 223	3.2
Gastric and duodenal ulcer (K25–K27)	232	245	477	661	595	1 256	2.6
Diseases of liver (K70–K77)	805	357	1 162	2 805	1 435	4 240	3.6
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	99	153	252	574	806	1 380	5.5
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	279	573	852	1 620	3 017	4 637	5.4
Arthropathies and systemic connective tissue disorders (M00–M36)	187	388	575	977	1 701	2 678	4.7
Chapter XIV Diseases of the genitourinary system (N00–N99)	1 186	1 506	2 692	8 362	8 041	16 403	6.1
Renal failure (N17–N19)	802	913	1 715	6 834	6 145	12 979	7.6
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	15	15	..	29	29	1.9
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	360	282	642	993	772	1 765	2.7
Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery (P00–P04)	177	137	314	395	327	722	2.3
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	326	284	610	590	519	1 109	1.8
Congenital malformations of the circulatory system (Q20–Q28)	115	97	212	191	165	356	1.7
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99) (c)	364	318	682	6 550	7 630	14 180	20.8
Chapter XX External causes of morbidity and mortality (V01–Y98)	5 517	2 581	8 098	9 104	5 518	14 622	1.8
Accidents (V01–X59)	3 299	1 839	5 138	4 918	3 178	8 096	1.6
Transport accidents (V01–V99)	1 459	556	2 015	1 476	563	2 039	1.0
Falls (W00–W19)	308	257	565	382	357	739	1.3
Accidental drowning and submersion (W65–W74)	179	50	229	195	53	248	1.1
Intentional self-harm (X60–X84)	1 860	503	2 363	1 905	540	2 445	1.0
Hanging, strangulation and suffocation (X70)	807	182	989	810	183	993	1.0
Assault (X85–Y09)	197	116	313	206	122	328	1.0

(a) Total mentions of cause on death certificates. See Glossary for further information. Excludes injury codes (ICD codes S000–T983).

(b) Ratio of multiple (underlying and contributory) to underlying cause.

(c) Coding rules only allow this cause category to be the underlying cause when no other specific cause is recorded on the death certificate.

2.4 UNDERLYING AND MULTIPLE CAUSES OF DEATH, Crude Death Rates(a)

Cause of death and ICD code	UNDERLYING CAUSE.....			MULTIPLE CAUSE (b).....		
	Males	Females	Persons	Males	Females	Persons
All causes(c)	700.5	639.1	669.7	700.5	639.1	669.7
Chapter I Certain infectious and parasitic diseases (A00–B99)	9.1	8.1	8.6	47.7	41.8	44.8
Septicaemia (A40, A41)	4.8	5.1	4.9	35.7	34.1	34.9
Human immunodeficiency virus (HIV) disease (B20–B24)	1.3	0.1	0.7	1.7	0.1	0.9
Chapter II Neoplasms (C00–D48)	215.4	164.6	189.9	292.1	219.5	255.7
Malignant neoplasms (C00–C97)	211.3	160.9	186.0	283.0	211.9	247.3
Digestive organs (C15–C26)	59.5	45.5	52.5	66.6	50.3	58.4
Oesophagus (C15)	7.0	3.0	5.0	7.7	3.2	5.4
Stomach (C16)	8.1	4.3	6.2	8.8	4.7	6.7
Colon (C18)	18.4	17.3	17.8	20.8	19.1	20.0
Rectosigmoid junction, rectum, anus and anal canal (C19–C21)	8.2	5.3	6.8	9.4	6.1	7.7
Liver and intrahepatic bile ducts (C22)	5.3	2.4	3.8	5.8	2.5	4.1
Pancreas (C25)	9.1	9.1	9.1	9.5	9.5	9.5
Trachea, bronchus and lung (C33, C34)	48.1	23.8	35.9	51.5	25.3	38.4
Melanoma of skin (C43)	6.5	3.7	5.1	7.3	4.1	5.7
Breast (C50)	0.2	26.1	13.2	0.3	31.6	16.0
Female genital organs (C51–C58)	..	14.6	7.3	..	16.2	8.1
Ovary (C56)	..	8.0	4.0	..	8.5	4.3
Male genital organs (C60–C63)	28.0	..	14.1	39.7	..	19.7
Prostate (C61)	27.9	..	13.9	39.1	..	19.5
Urinary tract (C64–C68)	11.3	6.0	8.6	14.5	7.2	10.8
Kidney, except renal pelvis (C64)	4.9	3.1	4.0	5.8	3.7	4.7
Bladder (C67)	6.0	2.6	4.3	8.3	3.1	5.7
Brain (C71)	6.5	4.5	5.5	6.7	4.6	5.6
Lymphoid, haematopoietic and related tissue (C81–C96)	21.6	17.5	19.5	26.6	20.9	23.8
Leukaemia (C91–C95)	8.1	6.1	7.1	10.2	7.4	8.8
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour (D00–D48)	4.1	3.7	3.9	9.1	7.6	8.4
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	2.0	2.3	2.2	18.8	18.2	18.5
Chapter IV Endocrine, nutritional and metabolic diseases (E00–E90)	22.4	21.0	21.7	86.6	84.5	85.6
Diabetes mellitus (E10–E14)	16.7	14.7	15.7	56.5	49.4	52.9
Chapter V Mental and behavioural disorders (F00–F99)	14.2	17.8	16.0	70.4	66.3	68.4
Chapter VI Diseases of the nervous system (G00–G99)	19.3	22.9	21.1	53.5	56.0	54.7
Alzheimer's disease (G30)	4.8	11.5	8.1	9.7	21.0	15.4
Chapter VII Diseases of the eye and adnexa (H00–H59)	—	—	—	1.6	2.1	1.8
Chapter VIII Diseases of the ear and mastoid process (H60–H95)	—	0.1	—	0.3	0.4	0.3
Chapter IX Diseases of the circulatory system (I00–I99)	249.1	269.6	259.4	656.8	653.0	654.9
All heart disease (I05–I09, I11, I13, I20–I25, I26, I27, I30–I52)	180.0	174.1	177.1	495.7	459.9	477.7
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	1.1	1.7	1.4	2.6	4.1	3.4
Hypertensive diseases (I10–I15)	4.7	7.8	6.3	18.2	25.3	21.8
Ischaemic heart diseases (I20–I25)	147.3	129.6	138.4	274.1	224.1	249.0
Acute myocardial infarction (I21)	79.5	73.1	76.3	98.7	88.1	93.4
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease (I26–I52)	29.3	38.6	34.0	216.3	227.2	221.8
Heart failure (I50)	10.3	17.3	13.8	80.0	99.5	89.8
Cerebrovascular diseases (I60–I69)	51.5	76.8	64.2	101.1	133.8	117.5
Diseases of arteries, arterioles and capillaries (I70–I79)	13.9	13.5	13.7	32.8	27.4	30.1
Atherosclerosis (I70)	2.0	3.4	2.7	4.7	6.2	5.5
Aortic aneurysm and dissection (I71)	8.4	5.6	7.0	11.7	7.2	9.4

(a) Rates are expressed per 100,000 estimated mid year population.

(c) Rates are based on total deaths.

(b) Total mentions of cause on death certificates. See Glossary for further information.

Excludes injury codes (ICD codes N800–N999).

2.4 UNDERLYING AND MULTIPLE CAUSES OF DEATH, Crude Death Rates(a) *continued*

Cause of death and ICD code	UNDERLYING CAUSE.....			MULTIPLE CAUSE(b).....		
	Males	Females	Persons	Males	Females	Persons
Chapter X Diseases of the respiratory system (J00–J99)	62.1	51.8	56.9	278.2	229.7	253.8
Influenza and pneumonia (J10–J18)	13.8	16.9	15.3	93.4	93.7	93.5
Chronic lower respiratory diseases (J40–J47)	36.8	25.4	31.1	89.1	56.4	72.7
Emphysema (J43)	5.1	2.4	3.8	11.6	5.2	8.4
Asthma and status asthmaticus (J45, J46)	1.8	3.0	2.4	5.6	8.7	7.2
Chapter XI Diseases of the digestive system (K00–K93)	21.6	21.6	21.6	77.5	67.1	72.3
Diseases of oesophagus, stomach and duodenum (K20–K31)	3.5	3.7	3.6	11.9	11.3	11.6
Gastric and duodenal ulcer (K25–K27)	2.4	2.5	2.5	6.9	6.2	6.6
Diseases of liver (K70–K77)	8.4	3.7	6.1	29.4	14.9	22.1
Chapter XII Diseases of the skin and subcutaneous tissue (L00–L99)	1.0	1.6	1.3	6.0	8.4	7.2
Chapter XIII Diseases of the musculoskeletal system and connective tissue (M00–M99)	2.9	6.0	4.4	17.0	31.4	24.2
Arthropathies and systemic connective tissue disorders (M00–M36)	2.0	4.0	3.0	10.2	17.7	14.0
Chapter XIV Diseases of the genitourinary system (N00–N99)	12.4	15.7	14.1	87.7	83.6	85.6
Renal failure (N17–N19)	8.4	9.5	9.0	71.7	63.9	67.8
Chapter XV Pregnancy, childbirth and the puerperium (O00–O99)	..	0.2	0.1	..	0.3	0.2
Chapter XVI Certain conditions originating in the perinatal period (P00–P96)	3.8	2.9	3.4	10.4	8.0	9.2
Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery (P00–P04)	1.9	1.4	1.6	4.1	3.4	3.8
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3.4	3.0	3.2	6.2	5.4	5.8
Congenital malformations of the circulatory system (Q20–Q28)	1.2	1.0	1.1	2.0	1.7	1.9
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)(c)	3.8	3.3	3.6	68.7	79.3	74.0
Chapter XX External causes of morbidity and mortality (V01–Y98)	57.8	26.8	42.3	95.5	57.4	76.3
Accidents (V01–X59)	34.6	19.1	26.8	51.6	33.0	42.3
Transport accidents (V01–V99)	15.3	5.8	10.5	15.5	5.9	10.6
Falls (W00–W19)	3.2	2.7	2.9	4.0	3.7	3.9
Accidental drowning and submersion (W65–W74)	1.9	0.5	1.2	2.0	0.6	1.3
Intentional self-harm (X60–X84)	19.5	5.2	12.3	20.0	5.6	12.8
Hanging, strangulation and suffocation (X70)	8.5	1.9	5.2	8.5	1.9	5.2
Assault (X85–Y09)	2.1	1.2	1.6	2.2	1.3	1.7

(a) Rates are expressed per 100,000 estimated mid-year population.

(b) Total mentions of cause on death certificates. See Glossary for further information. Excludes injury codes (ICD codes N800–N999).

(c) Coding rules only allow this cause category to be the underlying cause when no other specific cause is recorded on the death certificate.

2.5 CAUSES OF DEATH, Underlying Cause and Most Common Associated Causes

Underlying cause/associated cause and ICD code	Males.....		Females.....		Persons.....	
	no.	%	no.	%	no.	%
Malignant neoplasms (C00–C97)	20 153	100.0	15 475	100.0	35 628	100.0
Reported alone	7 461	37.0	6 353	41.1	13 814	38.8
Reported with						
Septicaemia (A40, A41)	707	3.5	504	3.3	1 211	3.4
Diabetes mellitus (E10–E14)	873	4.3	554	3.6	1 427	4.0
Ischaemic heart diseases (I20–I25)	1 587	7.9	820	5.3	2 407	6.8
Heart failure (I50)	727	3.6	567	3.7	1 294	3.6
Cerebrovascular diseases (I60–I69)	692	3.4	527	3.4	1 219	3.4
Influenza and pneumonia (J10–J18)	1 896	9.4	1 144	7.4	3 040	8.5
Chronic lower respiratory diseases (J40–J47)	1 464	7.3	618	4.0	2 082	5.8
Diseases of liver (K70–K77)	707	3.5	446	2.9	1 153	3.2
Renal failure (N17–N19)	1 167	5.8	691	4.5	1 858	5.2
Diabetes mellitus (E10–E14)	1 594	100.0	1 412	100.0	3 006	100.0
Reported alone	26	1.6	15	1.1	41	1.4
Reported with						
Septicaemia (A40, A41)	161	10.1	128	9.1	289	9.6
Hypertensive diseases (I10–I15)	80	5.0	120	8.5	200	6.7
Ischaemic heart diseases (I20–I25)	858	53.8	674	47.7	1 532	51.0
Heart failure (I50)	267	16.8	291	20.6	558	18.6
Cerebrovascular diseases (I60–I69)	340	21.3	303	21.5	643	21.4
Influenza and pneumonia (J10–J18)	176	11.0	136	9.6	312	10.4
Chronic lower respiratory diseases (J40–J47)	113	7.1	68	4.8	181	6.0
Renal failure (N17–N19)	351	22.0	329	23.3	680	22.6
Organic, including symptomatic, mental disorders (F00–F09)	668	100.0	1 439	100.0	2 107	100.0
Reported alone	75	11.2	230	16.0	305	14.5
Reported with						
Ischaemic heart diseases (I20–I25)	37	5.5	73	5.1	110	5.2
Heart failure (I50)	44	6.6	117	8.1	161	7.6
Influenza and pneumonia (J10–J18)	358	53.6	630	43.8	988	46.9
Renal failure (N17–N19)	38	5.7	61	4.2	99	4.7
Diseases of the nervous system (G00–G99)	1 839	100.0	2 200	100.0	4 039	100.0
Reported alone	274	14.9	411	18.7	685	17.0
Reported with						
Ischaemic heart diseases (I20–I25)	154	8.4	133	6.0	287	7.1
Heart failure (I50)	73	4.0	113	5.1	186	4.6
Cerebrovascular diseases (I60–I69)	151	8.2	201	9.1	352	8.7
Influenza and pneumonia (J10–J18)	635	35	699	31.8	1 334	33.0
Ischaemic heart diseases (I20–I25)	14 052	100.0	12 469	100.0	26 521	100.0
Reported alone	2 155	15.3	1 549	12.4	3 704	14.0
Reported with						
Malignant neoplasms (C00–C97)	909	6.5	515	4.1	1 424	5.4
Diabetes mellitus (E10–E14)	1 381	9.8	1 127	9.0	2 508	9.5
Organic, including symptomatic, mental disorders (F00–F09)	358	2.5	730	5.9	1 088	4.1
Diseases of the nervous system (G00–G99)	608	4.3	691	5.5	1 299	4.9
Heart failure (I50)	2 772	19.7	3 363	27.0	6 135	23.1
Cerebrovascular diseases (I60–I69)	1 080	7.7	1 239	9.9	2 319	8.7
Influenza and pneumonia (J10–J18)	661	4.7	676	5.4	1 337	5.0
Chronic lower respiratory diseases (J40–J47)	1 608	11.4	968	7.8	2 576	9.7
Renal failure (N17–N19)	1 347	9.6	1 124	9.0	2 471	9.3
Heart failure (I50)	982	100.0	1 662	100.0	2 644	100.0
Reported alone	115	11.7	238	14.3	353	13.4
Reported with						
Diabetes mellitus (E10–E14)	85	8.7	113	6.8	198	7.5
Organic, including symptomatic, mental disorders (F00–F09)	67	6.8	146	8.8	213	8.1
Cerebrovascular diseases (I60–I69)	80	8.1	159	9.6	239	9.0
Influenza and pneumonia (J10–J18)	266	27.1	451	27.1	717	27.1
Chronic lower respiratory diseases (J40–J47)	152	15.5	141	8.5	293	11.1
Renal failure (N17–N19)	239	24.3	279	16.8	518	19.6

2.5 CAUSES OF DEATH, Underlying Cause and Most Common Associated Causes *continued*

Underlying cause/associated cause and ICD code	Males.....		Females.....		Persons.....	
	no.	%	no.	%	no.	%
Cerebrovascular diseases (I60–I69)	4 913	100.0	7 387	100.0	12 300	100.0
Reported alone	1 152	23.4	2 128	28.8	3 280	26.7
Reported with						
Malignant neoplasms (C00–C97)	314	6.4	201	2.7	515	4.2
Diabetes mellitus (E10–E14)	355	7.2	449	6.1	804	6.5
Diseases of the nervous system (G00–G99)	459	9.3	636	8.6	1 095	8.9
Ischaemic heart diseases (I20–I25)	560	11.4	622	8.4	1 182	9.6
Heart failure (I50)	250	5.1	494	6.7	744	6.0
Influenza and pneumonia (J10–J18)	913	18.6	1 208	16.4	2 121	17.2
Diseases of arteries, arterioles and capillaries (I70–I79)	1 321	100.0	1 296	100.0	2 617	100.0
Reported alone	241	18.2	200	15.4	441	16.9
Reported with						
Septicaemia (A40, A41)	91	6.9	114	8.8	205	7.8
Ischaemic heart diseases (I20–I25)	285	21.6	198	15.3	483	18.5
Heart failure (I50)	146	11.1	204	15.7	350	13.4
Cerebrovascular diseases (I60–I69)	97	7.3	123	9.5	220	8.4
Influenza and pneumonia (J10–J18)	84	6.4	122	9.4	206	7.9
Renal failure (N17–N19)	176	13.3	168	13.0	344	13.1
Influenza and pneumonia (J10–J18)	1 312	100.0	1 625	100.0	2 937	100.0
Reported alone	424	32.3	625	38.5	1 049	35.7
Reported with						
Septicaemia (A40, A41)	161	12.3	133	8.2	294	10.0
Ischaemic heart diseases (I20–I25)	204	15.5	186	11.4	390	13.3
Heart failure (I50)	93	7.1	115	7.1	208	7.1
Renal failure (N17–N19)	136	10.4	104	6.4	240	8.2
Chronic lower respiratory diseases (J40–J47)	3 514	100.0	2 448	100.0	5 962	100.0
Reported alone	262	7.5	184	7.5	446	7.5
Reported with						
Malignant neoplasms (C00–C97)	302	8.6	105	4.3	407	6.8
Diabetes mellitus (E10–E14)	156	4.4	134	5.5	290	4.9
Ischaemic heart diseases (I20–I25)	654	18.6	391	16.0	1 045	17.5
Heart failure (I50)	599	17.0	476	19.4	1 075	18.0
Cerebrovascular diseases (I60–I69)	197	5.6	118	4.8	315	5.3
Influenza and pneumonia (J10–J18)	1 202	34.2	793	32.4	1 995	33.5
Renal failure (N17–N19)	266	7.6	142	5.8	408	6.8
Renal failure (N17–N19)	802	100.0	913	100.0	1 715	100.0
Reported alone	56	7.0	59	6.5	115	6.7
Reported with						
Septicaemia (A40, A41)	97	12.1	107	11.7	204	11.9
Diabetes mellitus (E10–E14)	55	6.9	69	7.6	124	7.2
Ischaemic heart diseases (I20–I25)	230	28.7	212	23.2	442	25.8
Heart failure (I50)	245	30.5	270	29.6	515	30.0
Cerebrovascular diseases (I60–I69)	68	8.5	69	7.6	137	8.0
Influenza and pneumonia (J10–J18)	120	15.0	129	14.1	249	14.5

2.6 CAUSES OF DEATH, Associated Cause and Underlying Cause

Multiple cause/underlying cause and ICD code	Males.....		Females.....		Persons.....	
	no.	%	no.	%	no.	%
Septicaemia (A40–A41)	3 400	100.0	3 278	100.0	6 678	100.0
Reported as underlying cause	454	13.4	486	14.8	940	14.1
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	707	20.8	504	15.4	1 211	18.1
Diabetes mellitus (E10–E14)	161	4.7	128	3.9	289	4.3
Ischaemic heart diseases (I20–I25)	168	4.9	158	4.8	326	4.9
Cerebrovascular diseases (I60–I69)	147	4.3	146	4.5	293	4.4
Influenza and pneumonia (J10–J18)	161	4.7	133	4.1	294	4.4
Malignant neoplasms (C00–C97)	22 796	100.0	17 121	100.0	39 917	100.0
Reported as underlying cause	20 153	88.4	15 475	90.4	35 628	89.3
Reported in association with an underlying cause of						
Ischaemic heart diseases (I20–I25)	909	4.0	515	3.0	1 424	3.6
Cerebrovascular diseases (I60–I69)	314	1.4	201	1.2	515	1.3
Diabetes mellitus (E10–E14)	5 381	100.0	4 749	100.0	10 130	100.0
Reported as underlying cause	1 594	29.6	1 412	29.7	3 006	29.7
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	873	16.2	554	11.7	1 427	14.1
Ischaemic heart diseases (I20–I25)	1 381	25.7	1 127	23.7	2 508	24.8
Cerebrovascular diseases (I60–I69)	355	6.6	449	9.5	804	7.9
Organic, including symptomatic, mental disorders (F00–F09)	2 187	100.0	4 000	100.0	6 187	100.0
Reported as underlying cause	668	30.5	1 439	36.0	2 107	34.1
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	225	10.3	280	7.0	505	8.2
Ischaemic heart diseases (I20–I25)	358	16.4	730	18.3	1 088	17.6
Heart failure (I50)	67	3.1	146	3.7	213	3.4
Chronic lower respiratory diseases (J40–J47)	121	5.5	118	3.0	239	3.9
Diseases of the nervous system (G00–G99)	4 769	100.0	5 122	100.0	9 891	100.0
Reported as underlying cause	1 839	38.6	2 200	43.0	4 039	40.8
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	569	11.9	401	7.8	970	9.8
Ischaemic heart diseases (I20–I25)	608	12.7	691	13.5	1 299	13.1
Cerebrovascular diseases (I60–I69)	459	9.6	636	12.4	1 095	11.1
Hypertensive diseases (I10–I15)	1 720	100.0	2 422	100.0	4 142	100.0
Reported as underlying cause	449	26.1	753	31.1	1 202	29.0
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	473	27.5	471	19.4	944	22.8
Diabetes mellitus (E10–E14)	80	4.7	120	5.0	200	4.8
Ischaemic heart diseases (I20–I25)	110	6.4	99	4.1	209	5.0
Chronic lower respiratory diseases (J40–J47)	109	6.3	138	5.7	247	6.0
Ischaemic heart diseases (I20–I25)	20 336	100.0	17 195	100.0	37 531	100.0
Reported as underlying cause	14 052	69.1	12 469	72.5	26 521	70.7
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	1 587	7.8	820	4.8	2 407	6.4
Diabetes mellitus (E10–E14)	858	4.2	674	3.9	1 532	4.1
Cerebrovascular diseases (I60–I69)	560	2.8	622	3.6	1 182	3.1
Chronic lower respiratory diseases (J40–J47)	654	3.2	391	2.3	1 045	2.8
Heart failure (I50)	7 592	100.0	9 534	100.0	17 126	100.0
Reported as underlying cause	982	12.9	1 662	17.4	2 644	15.4
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	727	9.6	567	5.9	1 294	7.6
Diabetes mellitus (E10–E14)	267	3.5	291	3.1	558	3.3
Ischaemic heart diseases (I20–I25)	2 772	36.5	3 363	35.3	6 135	35.8
Cerebrovascular diseases (I60–I69)	250	3.3	494	5.2	744	4.3
Chronic lower respiratory diseases (J40–J47)	599	7.9	476	5.0	1 075	6.3
Renal failure (N17–N19)	245	3.2	270	2.8	515	3.0

2.6 CAUSES OF DEATH, Associated Cause and Underlying Cause *continued*

<i>Multiple cause/underlying cause and ICD code</i>	<i>Males.....</i>		<i>Females.....</i>		<i>Persons.....</i>	
	<i>no.</i>	<i>%</i>	<i>no.</i>	<i>%</i>	<i>no.</i>	<i>%</i>
Cerebrovascular diseases (I60–I69)	8 698	100.0	11 472	100.0	20 170	100.0
Reported as underlying cause	4 913	56.5	7 387	64.4	12 300	61.0
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	692	8.0	527	4.6	1 219	6.0
Diabetes mellitus (E10–E14)	340	3.9	303	2.6	643	3.2
Ischaemic heart diseases (I20–I25)	1 080	12.4	1 239	10.8	2 319	11.5
Diseases of arteries, arterioles and capillaries (I70–I79)	2 977	100.0	2 513	100.0	5 490	100.0
Reported as underlying cause	1 321	44.4	1 296	51.6	2 617	47.7
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	282	9.5	114	4.5	396	7.2
Ischaemic heart diseases (I20–I25)	569	19.1	385	15.3	954	17.4
Cerebrovascular diseases (I60–I69)	116	3.9	126	5.0	242	4.4
Influenza and pneumonia (J10–J18)	8 901	100.0	9 005	100.0	17 906	100.0
Reported as underlying cause	1 312	14.7	1 625	18.0	2 937	16.4
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	1 896	21.3	1 144	12.7	3 040	17.0
Organic, including symptomatic, mental disorders (F00–F09)	358	4.0	630	7.0	988	5.5
Diseases of the nervous system (G00–G99)	635	7.1	699	7.8	1 334	7.5
Ischaemic heart diseases (I20–I25)	661	7.4	676	7.5	1 337	7.5
Heart failure (I50)	266	3.0	451	5.0	717	4.0
Cerebrovascular diseases (I60–I69)	913	10.3	1 208	13.4	2 121	11.8
Chronic lower respiratory diseases (J40–J47)	1 202	13.5	793	8.8	1 995	11.1
Chronic lower respiratory diseases (J40–J47)	8 356	100.0	5 287	100.0	13 643	100.0
Reported as underlying cause	3 514	42.1	2 448	46.3	5 962	43.7
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	1 464	17.5	618	11.7	2 082	15.3
Ischaemic heart diseases (I20–I25)	1 608	19.2	968	18.3	2 576	18.9
Cerebrovascular diseases (I60–I69)	263	3.1	178	3.4	441	3.2
Diseases of liver (K70–K77)	2 362	100.0	1 240	100.0	3 602	100.0
Reported as underlying cause	805	34.1	357	28.8	1 162	32.3
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	707	29.9	446	36.0	1 153	32.0
Ischaemic heart diseases (I20–I25)	201	8.5	60	4.8	261	7.2
Renal failure (N17–N19)	6 205	100.0	5 598	100.0	11 803	100.0
Reported as underlying cause	802	12.9	913	16.3	1 715	14.5
Reported in association with an underlying cause of						
Malignant neoplasms (C00–C97)	1 167	18.8	691	12.3	1 858	15.7
Diabetes mellitus (E10–E14)	351	5.7	329	5.9	680	5.8
Ischaemic heart diseases (I20–I25)	1 347	21.7	1 124	20.1	2 471	20.9
Heart failure (I50)	239	3.9	279	5.0	518	4.4
Cerebrovascular diseases (I60–I69)	232	3.7	236	4.2	468	4.0
Chronic lower respiratory diseases (J40–J47)	266	4.3	142	2.5	408	3.5

2.7 NATURE OF INJURY, By External Cause

ACCIDENTS.....

<i>Nature of injury or poisoning and ICD code</i>	<i>Transport accidents (V01–V99)</i>	<i>Accidental falls (W00–W19)</i>	<i>Accidental drowning and submersion (W65–W74)</i>	<i>Exposure to smoke, fire and flames (X00–X09)</i>	<i>Accidental poisonings (X40–X49)</i>	<i>Other</i>	<i>Total</i>
MALES							
	%	%	%	%	%	%	%
Total injuries (S00–T98)	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Injuries to the head (S00–S09)	28.1	52.8	2.1	—	0.1	15.9	21.6
Fracture of skull and facial bones (S02)	5.6	6.1	—	—	—	1.4	3.5
Injuries to the thorax (S20–S29)	20.1	12.9	1.0	—	—	7.9	12.4
Injuries to the abdomen, lower back, lumbar spine and pelvis (S30–S39)	9.6	6.5	—	1.3	—	5.1	6.2
Injuries to the hip and thigh (S70–S79)	1.1	5.9	—	—	—	23.6	5.3
Fracture of femur (S72)	1.1	5.5	—	—	—	22.9	5.1
Unspecified multiple injuries (T07)	19.2	3.1	—	—	—	2.0	10.0
Burns and corrosions (T20–T32)	1.0	—	—	48.0	0.1	1.5	1.4
Poisoning by drugs, medicaments and biological substances (T36–T50)	0.2	0.4	2.1	—	82.0	0.2	16.1
Poisoning by narcotics and psychodysleptics (hallucinogens) (T40)	0.2	0.2	1.0	—	43.7	—	8.6
Toxic effects of substances chiefly nonmedicinal as to source (T51–T65)	0.5	0.2	1.0	44.0	14.7	0.9	3.9
Toxic effect of carbon monoxide (T58)	0.2	—	—	8.0	2.5	—	0.7
Other and unspecified effects of external causes (T66–T78)	2.7	2.0	92.3	2.7	0.6	18.0	8.1
Asphyxiation (T71)	0.6	0.6	—	1.3	0.3	9.9	2.2
Certain early complications of trauma (T79)	1.4	2.3	—	—	0.1	3.6	1.6
	no.	no.	no.	no.	no.	no.	no.
Total injuries	2 642	511	194	75	1 049	961	5 432
FEMALES							
	%	%	%	%	%	%	%
Total injuries (S00–T98)	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Injuries to the head (S00–S09)	30.3	44.0	1.6	1.9	0.6	5.4	18.2
Fracture of skull and facial bones (S02)	5.2	2.7	—	—	—	1.0	2.5
Injuries to the thorax (S20–S29)	18.2	5.6	—	—	—	2.4	8.0
Injuries to the abdomen, lower back, lumbar spine and pelvis (S30–S39)	12.3	4.3	1.6	—	0.2	6.3	7.0
Injuries to the hip and thigh (S70–S79)	1.5	16.4	—	—	—	45.9	16.5
Fracture of femur (S72)	1.5	15.8	—	—	—	45.2	16.3
Unspecified multiple injuries (T07)	17.6	1.6	1.6	—	—	0.9	6.9
Burns and corrosions (T20–T32)	0.4	—	3.3	51.9	0.2	0.6	1.3
Poisoning by drugs, medicaments and biological substances (T36–T50)	0.1	0.3	6.6	—	86.1	0.1	15.0
Poisoning by narcotics and psychodysleptics (hallucinogens) (T40)	—	—	—	—	28.5	0.1	4.9
Toxic effects of substances chiefly nonmedicinal as to source (T51–T65)	0.2	0.3	3.3	40.4	10.7	0.3	2.8
Toxic effect of carbon monoxide (T58)	0.1	—	—	5.8	1.8	—	0.4
Other and unspecified effects of external causes (T66–T78)	1.0	1.9	80.3	1.9	1.0	5.4	4.1
Asphyxiation (T71)	0.4	0.3	—	1.9	0.2	2.8	1.1
Certain early complications of trauma (T79)	1.7	5.9	—	—	0.4	5.4	3.1
	no.	no.	no.	no.	no.	no.	no.
Total injuries	1 077	373	61	52	512	907	2 982

2.7 NATURE OF INJURY, By External Cause *continued*

Nature of injury or poisoning and ICD code	INTENTIONAL INJURY AND OTHER.....				
	<i>Intentional self-harm (X60–X84)</i>	<i>Assault (X85–Y09)</i>	<i>Other</i>	<i>Total</i>	<i>External causes</i>
MALES					
	%	%	%	%	%
Total injuries (S00–T98)	100.0	100.0	100.0	100.0	100.0
Injuries to the head (S00–S09)	12.1	37.0	4.8	14.3	19.1
Fracture of skull and facial bones (S02)	1.0	3.9	1.1	1.3	2.8
Injuries to the thorax (S20–S29)	3.2	24.1	3.7	5.5	10.1
Injuries to the abdomen, lower back, lumbar spine and pelvis (S30–S39)	1.1	8.4	2.7	2.0	4.8
Injuries to the hip and thigh (S70–S79)	0.2	1.0	1.6	0.4	3.6
Fracture of femur (S72)	0.1	—	1.6	0.2	3.4
Unspecified multiple injuries (T07)	2.6	1.9	1.6	2.5	7.4
Burns and corrosions (T20–T32)	0.9	2.6	1.1	1.1	1.3
Poisoning by drugs, medicaments and biological substances (T36–T50)	13.1	1.0	12.8	11.7	14.6
Poisoning by narcotics and psychodysleptics (hallucinogens) (T40)	4.1	0.6	5.3	3.8	7.0
Toxic effects of substances chiefly nonmedicinal as to source (T51–T65)	22.1	3.5	1.1	18.6	8.9
Toxic effect of carbon monoxide (T58)	18.8	0.6	0.5	15.6	5.7
Other and unspecified effects of external causes (T66–T78)	36.7	1.6	2.7	30.5	15.7
Asphyxiation (T71)	34.7	0.6	2.1	28.7	11.2
Certain early complications of trauma (T79)	0.3	0.3	0.5	0.3	1.1
	no.	no.	no.	no.	no.
Total injuries	2 298	311	187	2 796	8 228
FEMALES					
	%	%	%	%	%
Total injuries (S00–T98)	100.0	100.0	100.0	100.0	100.0
Injuries to the head (S00–S09)	3.3	32.1	1.5	7.7	15.6
Fracture of skull and facial bones (S02)	0.6	1.2	—	0.6	2.0
Injuries to the thorax (S20–S29)	0.9	18.5	—	3.6	6.9
Injuries to the abdomen, lower back, lumbar spine and pelvis (S30–S39)	0.7	5.6	—	1.4	5.6
Injuries to the hip and thigh (S70–S79)	—	—	—	—	12.4
Fracture of femur (S72)	—	—	—	—	12.2
Unspecified multiple injuries (T07)	4.3	3.7	3.0	4.0	6.2
Burns and corrosions (T20–T32)	1.1	2.5	1.5	1.4	1.3
Poisoning by drugs, medicaments and biological substances (T36–T50)	38.3	—	14.3	28.9	18.5
Poisoning by narcotics and psychodysleptics (hallucinogens) (T40)	7.0	—	4.5	5.5	5.1
Toxic effects of substances chiefly nonmedicinal as to source (T51–T65)	18.1	7.4	1.5	14.1	5.7
Toxic effect of carbon monoxide (T58)	13.5	1.2	—	9.7	2.8
Other and unspecified effects of external causes (T66–T78)	29.2	11.1	4.5	23.0	8.8
Asphyxiation (T71)	25.8	10.5	0.8	20.0	5.8
Certain early complications of trauma (T79)	—	—	1.5	0.2	2.3
	no.	no.	no.	no.	no.
Total injuries	702	162	133	997	3 979

2.7 NATURE OF INJURY, By External Cause *continued*

ACCIDENTS.....							
<i>Nature of injury or poisoning and ICD code</i>	<i>Transport accidents (V01–V99)</i>	<i>Accidental falls (W00–W19)</i>	<i>Accidental drowning and submersion (W65–W74)</i>	<i>Exposure to smoke, fire and flames (X00–X09)</i>	<i>Accidental poisonings (X40–X49)</i>	<i>Other</i>	<i>Total</i>
PERSONS							
	%	%	%	%	%	%	%
Total injuries (S00–T98)	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Injuries to the head (S00–S09)	28.7	49.1	2.0	0.8	0.3	10.8	20.4
Fracture of skull and facial bones (S02)	5.5	4.6	—	—	—	1.2	3.2
Injuries to the thorax (S20–S29)	19.5	9.8	0.8	—	—	5.2	10.9
Injuries to the abdomen, lower back, lumbar spine and pelvis (S30–S39)	10.4	5.5	0.4	0.8	0.1	5.7	6.5
Injuries to the hip and thigh (S70–S79)	1.2	10.3	—	—	—	34.4	9.3
Fracture of femur (S72)	1.2	9.8	—	—	—	33.7	9.0
Unspecified multiple injuries (T07)	18.7	2.5	0.4	—	—	1.4	8.9
Burns and corrosions (T20–T32)	0.8	—	0.8	49.6	0.1	1.0	1.4
Poisoning by drugs, medicaments and biological substances (T36–T50)	0.2	0.3	3.1	—	83.3	0.2	15.7
Poisoning by narcotics and psychodysleptics (hallucinogens) (T40)	0.2	0.1	0.8	—	38.7	0.1	7.3
Toxic effects of substances chiefly nonmedicinal as to source (T51–T65)	0.4	0.2	1.6	42.5	13.4	0.6	3.5
Toxic effect of carbon monoxide (T58)	0.2	—	—	7.1	2.2	—	0.6
Other and unspecified effects of external causes (T66–T78)	2.2	1.9	89.4	2.4	0.7	11.9	6.7
Asphyxiation (T71)	0.5	0.5	—	1.6	0.3	6.4	1.8
Certain early complications of trauma (T79)	1.5	3.8	—	—	0.2	4.5	2.1
	no.	no.	no.	no.	no.	no.	no.
Total injuries	3 719	884	255	127	1 561	1 868	8 414

2.7 NATURE OF INJURY, By External Cause *continued*

Nature of injury or poisoning and ICD code	INTENTIONAL INJURY AND OTHER.....				External causes
	Intentional self-harm (X60–X84)	Assault (X85–Y09)	Other	Total	
PERSONS					
	%	%	%	%	%
Total injuries (S00–T98)	100.0	100.0	100.0	100.0	100.0
Injuries to the head (S00–S09)	10.0	35.3	3.4	12.6	18.0
Fracture of skull and facial bones (S02)	0.9	3.0	0.6	1.1	2.5
Injuries to the thorax (S20–S29)	2.6	22.2	2.2	5.0	9.1
Injuries to the abdomen, lower back, lumbar spine and pelvis (S30–S39)	1.0	7.4	1.6	1.9	5.0
Injuries to the hip and thigh (S70–S79)	0.1	0.6	0.9	0.3	6.5
Fracture of femur (S72)	0.1	—	0.9	0.2	6.3
Unspecified multiple injuries (T07)	3.0	2.5	2.2	2.9	7.0
Burns and corrosions (T20–T32)	1.0	2.5	1.3	1.2	1.3
Poisoning by drugs, medicaments and biological substances (T36–T50)	19.0	0.6	13.4	16.2	15.9
Poisoning by narcotics and psychodysleptics (hallucinogens) (T40)	4.8	0.4	5.0	4.2	6.3
Toxic effects of substances chiefly nonmedicinal as to source (T51–T65)	21.1	4.9	1.3	17.4	7.8
Toxic effect of carbon monoxide (T58)	17.6	0.8	0.3	14.0	4.8
Other and unspecified effects of external causes (T66–T78)	34.9	4.9	3.4	28.5	13.5
Asphyxiation (T71)	32.6	4.0	1.6	26.4	9.4
Certain early complications of trauma (T79)	0.2	0.2	0.9	0.3	1.5
	no.	no.	no.	no.	no.
Total injuries	3 000	473	320	3 793	12 207

SECTION 3

PERINATAL DEATHS

INTRODUCTION

Perinatal deaths comprise stillbirths (fetal deaths) and deaths of infants within the first 28 days of life (neonatal deaths). In *Causes of Death* publications from 1997, these deaths have included infants and fetuses weighing at least 400 grams or having a gestational age of 20 weeks. Previously, data relating to perinatal deaths were based on the World Health Organisation recommended definition which included infants and fetuses weighing at least 500 grams or having a gestational age of 22 weeks (refer to Explanatory Notes, paragraphs 4–8 for further information on perinatal death statistics).

To assist the reader, this section includes summary data based on the 500 g/22 weeks definition (table 3.1). Further tables based on this definition are available from the ABS. All other tables and data are based on the 400 g/20 weeks definition.

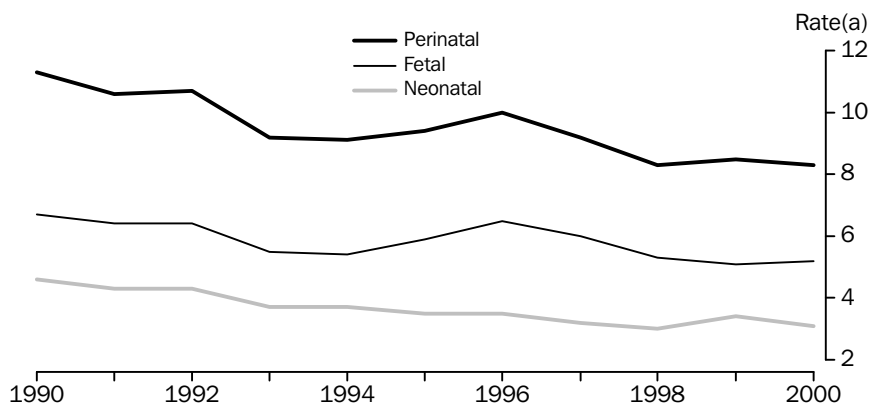
TRENDS IN PERINATAL DEATHS

In 2000, there were 2,076 perinatal deaths registered in Australia, a 2.7% decrease on the number registered in 1999. The perinatal death rate was 8.3 deaths per 1,000 total relevant births (see Glossary, death rates for further information). The 2000 perinatal death rate continues the downward trend that has occurred over the last decade.

In 2000, there were 1,303 fetal deaths and 773 neonatal deaths. Fetal deaths increased by 1.5% on the number registered in 1999 while neonatal deaths decreased by 9%.

Between 1990 and 2000 the perinatal death rate declined from 11.3 to 8.3 deaths per 1,000 births. During this period the fetal rate (6.7 to 5.2 per 1,000 births) declined relatively more than the neonatal rate (4.6 to 3.1 per 1,000 births).

TRENDS IN PERINATAL DEATH RATES



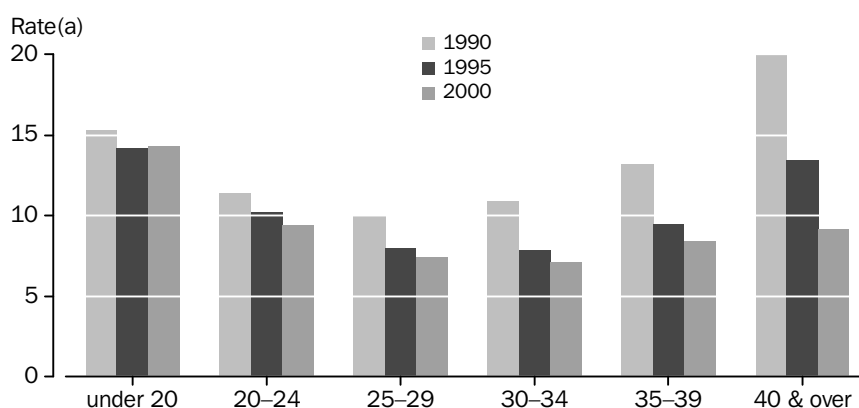
(a) Per 1,000 relevant births.

AGE OF MOTHER

In 2000, 55% of total perinatal deaths were to mothers aged 25–29 years or 30–34 years. While these age groups recorded the highest numbers of perinatal deaths, the death rates of 7.4 and 7.1 per 1,000 births respectively, were the lowest of all age groups. The highest rate is in mothers under 20 years (14.3).

In the last ten years, the overall perinatal death rate has decreased by 27%. The extent of this decrease, however, has not been uniform across all age groups. In particular, the perinatal death rate of 9.2 per 1,000 births for the 40 years and over age group is 54% lower than the 1990 rate of 20.0 per 1,000 births.

PERINATAL DEATH, RATES, AGE OF MOTHER



(a) Per 1,000 relevant births.

CONDITION IN FETUS/INFANT

In 2000, more than 40% of fetal deaths were not allocated to a specific cause of death. Medical certifiers are often unwilling or unable to provide an accurate cause of death without the assistance of an autopsy. The major specified conditions reported in fetal deaths registered in 2000 were intrauterine hypoxia (21% of total), congenital malformations, deformations and chromosomal abnormalities (15%) and disorders related to length of gestation and fetal growth (10%). Congenital malformations, deformations and chromosomal abnormalities accounted for 28% of total neonatal deaths registered in 2000, while respiratory and cardiovascular disorders, specific to the perinatal period (22%) and disorders related to length of gestation and fetal growth (17%) were the other major contributors.

CONDITION IN MOTHER

The underlying cause for perinatal deaths can be attributed to a condition relating to the fetus/infant, the mother or both. A maternal condition was reported in 1,354 (65%) of the 2,076 perinatal deaths recorded in 2000. For these deaths with a maternal condition, complications of placenta, cord and membranes were the most commonly reported (44%). This group of conditions was reported in 54% of fetal deaths compared with only 28% of neonatal deaths where a maternal condition was reported.

Maternal complications of pregnancy occurred in 31% of perinatal deaths where a maternal condition was reported. Multiple pregnancy is the most common maternal complication of pregnancy and was reported in 120 perinatal deaths. Nearly 65% of all multiple pregnancies resulting in a perinatal death occurred within 28 weeks of gestation.

3.1 FETAL, NEONATAL AND PERINATAL DEATHS, 500 Grams/22 Weeks(a)

Year	FETAL DEATHS.....			NEONATAL DEATHS.....			PERINATAL DEATHS.....		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
NUMBER									
1990	888	702	1 590	660	462	1 122	1 548	1 164	2 712
1991	777	701	1 478	571	441	1 012	1 348	1 142	2 490
1992	779	714	1 493	596	419	1 015	1 375	1 133	2 508
1993	668	577	1 245	511	375	886	1 179	952	2 131
1994	692	515	1 207	517	351	868	1 209	866	2 075
1995	681	602	1 283	467	344	811	1 148	946	2 094
1996	759	652	1 411	446	313	759	1 205	965	2 170
1997	692	588	1 280	408	310	718	1 100	898	1 998
1998	590	532	1 122	395	284	679	985	816	1 801
1999	549	505	1 054	446	298	744	995	803	1 798
2000	570	506	1 076	396	274	670	966	780	1 746
RATE(b)									
1990	6.5	5.5	6.0	4.9	3.6	4.3	11.4	9.1	10.3
1991	5.9	5.6	5.7	4.3	3.5	3.9	10.2	9.1	9.6
1992	5.7	5.5	5.6	4.4	3.3	3.8	10.1	8.8	9.4
1993	5.0	4.5	4.8	3.8	3.0	3.4	8.8	7.5	8.2
1994	5.2	4.1	4.7	3.9	2.8	3.4	9.1	6.9	8.0
1995	5.2	4.8	5.0	3.6	2.8	3.2	8.7	7.5	8.1
1996	5.8	5.3	5.5	3.4	2.5	3.0	9.2	7.8	8.5
1997	5.3	4.8	5.1	3.2	2.5	2.9	8.5	7.3	7.9
1998	4.6	4.4	4.5	3.1	2.3	2.7	7.7	6.7	7.2
1999	4.3	4.1	4.2	3.5	2.5	3.0	7.8	6.6	7.2
2000	4.4	4.2	4.3	3.1	2.3	2.7	7.5	6.4	7.0

(a) See Explanatory Notes, paragraph 5 for further information.

(b) Rates are per 1,000 total relevant births. See Glossary for further information.

3.2 FETAL, NEONATAL AND PERINATAL DEATHS, 400 Grams/20 Weeks(a)

Year	FETAL DEATHS.....			NEONATAL DEATHS.....			PERINATAL DEATHS.....		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
NUMBER									
1990	989	791	1 780	706	511	1 217	1 695	1 302	2 997
1991	868	790	1 658	616	481	1 097	1 484	1 271	2 755
1992	889	812	1 701	664	466	1 130	1 553	1 278	2 831
1993	765	674	1 439	563	409	972	1 328	1 083	2 411
1994	798	614	1 412	561	388	949	1 359	1 002	2 361
1995	805	707	1 512	514	394	908	1 319	1 101	2 420
1996	900	768	1 668	509	370	879	1 409	1 138	2 547
1997	829	687	1 516	443	362	805	1 272	1 049	2 321
1998	707	629	1 336	435	319	754	1 142	948	2 090
1999	682	602	1 284	510	339	849	1 192	941	2 133
2000	692	611	1 303	443	330	773	1 135	941	2 076
RATE(b)									
1990	7.3	6.2	6.7	5.2	4.0	4.6	12.4	10.2	11.3
1991	6.5	6.3	6.4	4.7	3.8	4.3	11.2	10.1	10.6
1992	6.5	6.3	6.4	4.9	3.6	4.3	11.4	9.9	10.7
1993	5.7	5.3	5.5	4.2	3.2	3.7	9.9	8.5	9.2
1994	6.0	4.9	5.4	4.2	3.1	3.7	10.2	8.0	9.1
1995	6.1	5.6	5.9	3.9	3.2	3.5	10.0	8.8	9.4
1996	6.8	6.2	6.5	3.9	3.0	3.5	10.7	9.2	10.0
1997	6.4	5.6	6.0	3.4	3.0	3.2	9.8	8.5	9.2
1998	5.5	5.1	5.3	3.4	2.6	3.0	8.9	7.8	8.3
1999	5.3	4.9	5.1	4.0	2.8	3.4	9.3	7.7	8.5
2000	5.4	5.0	5.2	3.5	2.7	3.1	8.8	7.7	8.3

(a) See Explanatory Notes, paragraph 4 for further information.

(b) Rates are per 1,000 total relevant births. See Glossary for further information.

3.3 PERINATAL DEATHS(a), By State or Territory of Usual Residence of Mother

Year	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
NUMBER									
1990	1 070	781	461	219	264	75	65	62	2 997
1991	969	644	492	178	264	82	66	60	2 755
1992	1 097	625	491	193	246	64	73	42	2 831
1993	852	549	444	178	208	69	77	34	2 411
1994	815	601	419	165	210	58	62	31	2 361
1995	785	582	459	192	235	64	62	41	2 420
1996	959	542	480	165	255	62	45	39	2 547
1997	861	522	430	152	202	70	56	28	2 321
1998	695	470	452	131	186	59	48	49	2 090
1999	705	543	385	119	208	65	58	50	2 133
2000	675	472	421	147	212	61	54	34	2 076
RATE(b)									
1990	11.7	11.6	10.2	11.0	10.4	10.6	18.1	13.8	11.3
1991	11.0	9.8	11.1	9.0	10.3	11.9	18.2	12.5	10.6
1992	11.8	9.4	10.6	9.9	9.8	9.1	19.3	9.4	10.7
1993	9.5	8.5	9.4	8.8	8.3	10.0	21.1	7.7	9.2
1994	9.2	9.3	8.9	8.5	8.3	8.4	16.9	6.9	9.1
1995	8.9	9.2	9.8	9.9	9.3	9.7	16.3	9.2	9.4
1996	11.0	8.8	10.0	8.6	10.2	9.5	12.6	8.8	10.0
1997	9.8	8.5	9.1	8.2	8.1	11.6	15.5	6.6	9.2
1998	8.1	7.7	9.6	7.2	7.5	9.8	13.1	12.2	8.3
1999	8.1	9.2	8.2	6.6	8.3	10.7	16.1	11.7	8.5
2000	7.7	7.9	8.9	8.2	8.4	10.6	14.5	8.3	8.3

(a) Based on 400 grams/20 weeks definition. See Explanatory Notes, paragraph 4 for further information.

(b) Rates are per 1,000 total relevant births. See Glossary for further information.

3.4 PERINATAL DEATHS(a), By Age of Mother

AGE OF MOTHER (YEARS).....

Year	Under 20	20–24	25–29	30–34	35–39	40 and over	Not stated	Total
NUMBER								
1990	233	610	977	771	303	71	32	2 997
1991	226	570	831	739	272	76	41	2 755
1992	201	591	843	744	302	75	r75	2 831
1993	168	488	718	627	281	56	r73	2 411
1994	155	461	651	651	311	68	64	2 361
1995	181	487	670	614	289	67	112	2 420
1996	177	490	699	684	319	92	r86	2 547
1997	186	408	666	583	357	65	56	2 321
1998	155	357	605	524	330	74	45	2 090
1999	163	374	598	566	307	85	40	2 133
2000	165	355	584	561	309	61	41	2 076
RATE(b)								
1990	15.3	11.4	10.0	10.9	13.2	20.0	..	11.3
1991	15.2	11.0	9.0	10.3	11.3	20.8	..	10.6
1992	14.1	11.1	9.2	9.8	11.6	18.0	..	10.7
1993	12.7	9.6	8.1	8.1	10.4	13.1	..	9.2
1994	12.0	9.3	7.6	8.4	10.8	14.8	..	9.1
1995	14.2	10.2	8.0	7.9	9.5	13.4	..	9.4
1996	14.0	10.9	8.4	8.9	9.9	17.3	..	10.0
1997	15.0	9.6	8.0	7.6	10.7	12.1	..	9.2
1998	13.0	8.9	7.4	6.9	9.6	12.6	..	8.3
1999	13.8	9.6	7.5	7.3	8.6	13.4	..	8.5
2000	14.3	9.4	7.4	7.1	8.4	9.2	..	8.3

(a) Based on 400 grams/20 weeks definition. See Explanatory Notes, paragraph 4 for further information.

(b) Rates are per 1,000 total relevant births. See Glossary for further information.

3.5 MAIN CAUSES OF FETAL, NEONATAL AND PERINATAL DEATHS(a)

Cause of death and ICD code	FETAL DEATHS.....		NEONATAL DEATHS.....		PERINATAL DEATHS.....	
	Males	Females	Males	Females	Males	Females
TOTAL						
All causes	692	611	443	330	1 135	941
MAIN CONDITION IN FETUS/INFANT						
Certain conditions originating in the perinatal period (P00–P96)	585	519	294	219	879	738
Disorders related to length of gestation and fetal growth (P05–P08)	66	66	73	62	139	128
Extremely low birth weight (P07.0)	33	30	68	57	101	87
Respiratory and cardiovascular disorders specific to the perinatal period (P20–P29)	145	139	87	83	232	222
Intrauterine hypoxia (P20)	141	131	4	2	145	133
Birth asphyxia (P21)	—	—	14	10	14	10
Cardiovascular disorders originating in the perinatal period (P29)	1	4	10	13	11	17
Infections specific to the perinatal period (P35–P39)	15	8	27	15	42	23
Haemorrhagic and haematological disorders of fetus and newborn (P50–P61)	9	9	48	23	57	32
Intracranial nontraumatic haemorrhage of fetus and newborn (P52)	1	1	44	14	45	15
Other disorders originating in the perinatal period (P90–P96)	323	281	34	27	357	308
Fetal death of unspecified cause (P95)	128	110	—	—	128	110
Condition originating in the perinatal period, unspecified (P96.9)	157	154	16	9	173	163
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	102	91	126	87	228	178
Congenital malformations of the nervous system (Q00–Q07)	22	19	16	16	38	35
Anencephaly and similar malformations (Q00)	4	3	5	6	9	9
Congenital hydrocephalus (Q03)	13	5	4	4	17	9
Spina bifida (Q05)	3	2	2	1	5	3
Congenital malformations of the circulatory system (Q20–Q28)	20	14	31	25	51	39
Congenital malformations of the heart (Q20–Q24)	19	13	28	21	47	34
Congenital malformations of aortic and mitral valves (Q23)	4	5	11	4	15	9
Congenital malformations of lung (Q33)	4	2	16	7	20	9
Congenital malformations of the urinary system (Q60–Q64)	6	2	7	—	13	2
Congenital malformations and deformations of the musculoskeletal system (Q65–Q79)	11	7	19	18	30	25
Congenital diaphragmatic hernia (Q79.0)	1	—	15	7	16	7
Down's syndrome (Q90)	6	11	5	3	11	14
Edwards' syndrome and Patau's syndrome (Q91)	13	10	10	8	23	18
MAIN CONDITION IN MOTHER						
Maternal conditions that may be unrelated to present pregnancy (P00)	114	80	29	21	143	101
Maternal hypertensive disorders (P00.0)	26	22	15	8	41	30
Maternal complications of pregnancy (P01)	71	61	170	111	241	172
Incompetent cervix (P01.0)	12	11	22	5	34	16
Premature rupture of membranes (P01.1)	11	11	14	10	25	21
Multiple pregnancy (P01.5)	22	17	46	35	68	52
Complications of placenta, cord and membranes (P02)	226	226	77	68	303	294
Placenta praevia and other forms of placental separation and haemorrhage (P02.0–P02.1)	79	73	33	26	112	99
Other and unspecified morphological and functional abnormalities of placenta (P02.2)	47	43	4	4	51	47
Prolapsed cord (P02.4)	8	4	3	5	11	9
Other compression of umbilical cord (P02.5)	46	42	2	2	48	44
Chorioamnionitis (P02.7)	21	29	30	23	51	52
Complications of labour and delivery (P03)	22	17	19	20	41	37
Breech delivery and extraction (P03.0)	—	1	3	1	3	2
Noxious influences transmitted via placenta or breast milk (P04)	7	6	6	3	13	9
No maternal condition reported	252	221	142	107	394	328

(a) Based on 400 grams/20 weeks definition. See Explanatory Notes, paragraph 4 for further information.

3.6 PERINATAL DEATHS(a), By Birthweight

Cause of death and ICD code	BIRTHWEIGHT						Total(b)
	400–499	500–999	1 000–1 999	2 000–2 999	3 000–3 999	4 000 or more	
TOTAL							
All causes	319	579	343	387	304	52	2 076
MAIN CONDITION IN FETUS/INFANT							
Certain conditions originating in the perinatal period (P00–P96)	257	474	238	293	237	45	1 617
Disorders related to length of gestation and fetal growth (P05–P08)	100	108	29	18	5	1	267
Extremely low birth weight (P07.0)	92	96	—	—	—	—	188
Respiratory and cardiovascular disorders specific to the perinatal period (P20–P29)	37	121	57	112	99	11	454
Intrauterine hypoxia (P20)	20	44	38	85	77	7	278
Birth asphyxia (P21)	2	5	4	6	7	—	24
Cardiovascular disorders originating in the perinatal period (P29)	2	8	4	5	5	—	28
Infections specific to the perinatal period (P35–P39)	8	25	12	9	7	3	65
Haemorrhagic and haematological disorders of fetus and newborn (P50–P61)	4	52	16	7	6	—	89
Intracranial nontraumatic haemorrhage of fetus and newborn (P52)	2	43	11	1	2	—	60
Other disorders originating in the perinatal period (P90–P96)	105	152	109	132	107	21	665
Fetal death of unspecified cause (P95)	20	42	42	58	52	4	238
Condition originating in the perinatal period, unspecified (P96.9)	42	102	62	60	41	12	336
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	60	100	98	81	47	5	406
Congenital malformations of the nervous system (Q00–Q07)	13	22	20	8	6	—	73
Anencephaly and similar malformations (Q00)	2	3	12	—	—	—	18
Congenital hydrocephalus (Q03)	6	9	4	4	1	—	26
Spina bifida (Q05)	2	3	—	1	2	—	8
Congenital malformations of the circulatory system (Q20–Q28)	15	14	12	17	22	4	90
Congenital malformations of the heart (Q20–Q24)	15	14	10	14	18	4	81
Congenital malformations of aortic and mitral valves (Q23)	4	3	2	6	8	—	24
Congenital malformations of lung (Q33)	—	10	12	6	1	—	29
Congenital malformations of the urinary system (Q60–Q64)	3	5	4	—	3	—	15
Congenital malformations and deformations of the musculoskeletal system (Q65–Q79)	11	11	7	18	7	1	55
Congenital diaphragmatic hernia (Q79.0)	1	2	3	9	7	1	23
Down's syndrome (Q90)	3	9	7	4	2	—	25
Edwards' syndrome and Patau's syndrome (Q91)	5	7	14	12	2	—	41
MAIN CONDITION IN MOTHER							
Maternal conditions that may be unrelated to present pregnancy (P00)	66	54	38	42	26	10	244
Maternal hypertensive disorders (P00.0)	8	24	13	14	8	1	71
Maternal complications of pregnancy (P01)	94	207	59	28	9	1	413
Incompetent cervix (P01.0)	25	23	2	—	—	—	50
Premature rupture of membranes (P01.1)	11	21	9	3	2	—	46
Multiple pregnancy (P01.5)	19	61	20	11	2	—	120
Complications of placenta, cord and membranes (P02)	80	174	106	128	79	11	597
Placenta praevia and other forms of placental separation and haemorrhage (P02.0–P02.1)	30	65	46	36	23	4	211
Other and unspecified morphological and functional abnormalities of placenta (P02.2)	6	22	21	27	14	3	98
Prolapsed cord (P02.4)	2	9	4	1	4	—	20
Other compression of umbilical cord (P02.5)	2	9	8	39	28	3	92
Chorioamnionitis (P02.7)	32	44	12	5	7	1	103
Complications of labour and delivery (P03)	25	24	5	7	8	6	78
Breech delivery and extraction (P03.0)	—	2	1	1	1	—	5
Noxious influences transmitted via placenta or breast milk (P04)	—	—	—	—	—	—	—
No maternal condition reported	52	113	130	177	179	24	722

(a) Based on 400 grams/20 weeks definition. See Explanatory Notes, paragraph 4 for further information.

(b) Including deaths of fetus/infants where birthweight is not stated but death meets gestation criterion.

3.7 PERINATAL DEATHS(a), By Period of Gestation

Cause of death and ICD code	PERIOD OF GESTATION (COMPLETED WEEKS).....						Total(b)
	Under 22	22-27	28-31	32-36	37-41	42 and over	
TOTAL							
All causes	174	676	248	371	507	12	2 076
MAIN CONDITION IN FETUS/INFANT							
Certain conditions originating in the perinatal period (P00-P96)	118	580	187	271	395	8	1 617
Disorders related to length of gestation and fetal growth (P05-P08)	58	140	22	19	14	5	267
Extremely low birth weight (P07.0)	57	126	—	—	—	—	188
Respiratory and cardiovascular disorders specific to the perinatal period (P20-P29)	16	133	47	85	150	2	454
Intrauterine hypoxia (P20)	12	44	33	70	113	1	278
Birth asphyxia (P21)	1	6	1	7	6	—	24
Cardiovascular disorders originating in the perinatal period (P29)	1	9	3	2	11	—	28
Infections specific to the perinatal period (P35-P39)	3	31	9	6	13	—	65
Haemorrhagic and haematological disorders of fetus and newborn (P50-P61)	—	57	13	7	8	—	89
Intracranial nontraumatic haemorrhage of fetus and newborn (P52)	—	50	5	2	2	—	60
Other disorders originating in the perinatal period (P90-P96)	39	202	81	130	193	—	665
Fetal death of unspecified cause (P95)	13	50	31	53	84	—	238
Condition originating in the perinatal period, unspecified (P96.9)	19	108	47	67	83	—	336
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	53	93	57	90	91	3	406
Congenital malformations of the nervous system (Q00-Q07)	14	17	8	23	7	—	73
Anencephaly and similar malformations (Q00)	—	2	3	9	1	—	18
Congenital hydrocephalus (Q03)	6	9	2	6	2	—	26
Spina bifida (Q05)	3	2	—	2	1	—	8
Congenital malformations of the circulatory system (Q20-Q28)	10	15	7	15	30	1	90
Congenital malformations of the heart (Q20-Q24)	10	15	6	12	26	1	81
Congenital malformations of aortic and mitral valves (Q23)	3	5	1	3	10	1	24
Congenital malformations of lung (Q33)	—	11	8	5	5	—	29
Congenital malformations of the urinary system (Q60-Q64)	3	5	3	1	3	—	15
Congenital malformations and deformations of the musculoskeletal system (Q65-Q79)	6	15	5	11	16	—	55
Congenital diaphragmatic hernia (Q79.0)	1	1	2	4	13	—	23
Down's syndrome (Q90)	6	7	1	6	5	—	25
Edwards' syndrome and Patau's syndrome (Q91)	2	6	9	11	10	2	41
MAIN CONDITION IN MOTHER							
Maternal conditions that may be unrelated to present pregnancy (P00)	14	92	37	46	49	—	244
Maternal hypertensive disorders (P00.0)	—	24	18	13	16	—	71
Maternal complications of pregnancy (P01)	59	239	36	44	15	—	413
Incompetent cervix (P01.0)	19	30	1	—	—	—	50
Premature rupture of membranes (P01.1)	4	29	4	5	3	—	46
Multiple pregnancy (P01.5)	10	65	12	19	5	—	120
Complications of placenta, cord and membranes (P02)	35	201	82	121	147	3	597
Placenta praevia and other forms of placental separation and haemorrhage (P02.0-P02.1)	14	77	33	42	40	—	211
Other and unspecified morphological and functional abnormalities of placenta (P02.2)	2	17	16	28	32	3	98
Prolapsed cord (P02.4)	1	10	2	3	4	—	20
Other compression of umbilical cord (P02.5)	1	7	7	28	49	—	92
Chorioamnionitis (P02.7)	16	67	3	4	10	—	103
Complications of labour and delivery (P03)	21	29	3	2	20	—	78
Breech delivery and extraction (P03.0)	—	2	—	—	2	—	5
Noxious influences transmitted via placenta or breast milk (P04)	2	6	3	4	6	1	22
No maternal condition reported	43	109	87	154	270	8	722

(a) Based on 400 grams/20 weeks definition. See Explanatory Notes, paragraph 4 for further information.

(b) Including deaths of fetus/infants where gestation is not stated but death meets birthweight criterion.

3.8 PERINATAL DEATHS(a) by State or Territory of Usual Residence

Particulars	NSW.....		Vic.....		Qld.....		SA.....	
	Males	Females	Males	Females	Males	Females	Males	Females
FETAL DEATHS								
Weight at delivery (grams)(b)	221	178	164	152	132	112	47	49
400-999	84	78	63	55	58	49	20	21
1,000-2,999	93	65	62	66	42	41	16	18
3,000 or more	40	33	26	23	27	16	11	9
Period of gestation (weeks)(b)	221	178	164	152	132	112	47	49
Less than 28	76	68	53	51	57	45	20	19
28-41	140	105	109	96	70	62	25	29
42 or more	1	1	—	2	—	3	—	—
Age of mother (years)(b)	221	178	164	152	132	112	47	49
Less than 20	17	10	4	9	15	13	4	—
20-29	103	74	81	67	61	48	26	23
30-39	94	87	70	68	49	47	16	23
40 or more	7	7	7	7	4	4	1	3
NEONATAL DEATHS								
Age at death	160	116	91	65	90	87	36	15
Less than 1 day	86	66	53	34	51	53	21	11
1 day to under 1 week	35	34	22	16	22	14	6	3
1 week to under 4 weeks	39	16	16	15	17	20	9	1
Weight at delivery (grams)(b)	160	116	91	65	90	87	36	15
400-999	78	57	42	37	42	47	18	10
1,000-2,999	52	34	23	17	31	26	13	4
3,000 or more	30	23	18	6	14	12	3	1
Period of gestation (weeks)(b)	160	116	91	65	90	87	36	15
Less than 28	69	49	42	36	47	45	17	10
28-41	77	55	42	24	37	38	15	4
42 or more	—	3	—	—	1	—	—	—
Age of mother (years)(b)	160	116	91	65	90	87	36	15
Less than 20	17	16	5	4	5	7	4	2
20-29	67	52	43	29	46	38	14	5
30-39	72	42	40	28	36	40	15	8
40 or more	4	5	1	—	1	2	1	—
PERINATAL DEATHS								
Age at death	160	116	91	65	90	87	36	15
Less than 1 day	86	66	53	34	51	53	21	11
1 day to under 1 week	35	34	22	16	22	14	6	3
1 week to under 4 weeks	39	16	16	15	17	20	9	1
Weight at delivery (grams)(b)	381	294	255	217	222	199	83	64
400-999	162	135	105	92	100	96	38	31
1,000-2,999	145	99	85	83	73	67	29	22
3,000 or more	70	56	44	29	41	28	14	10
Period of gestation (weeks)(b)	381	294	255	217	222	199	83	64
Less than 28	145	117	95	87	104	90	37	29
28-41	217	160	151	120	107	100	40	33
42 or more	1	4	—	2	1	3	—	—
Age of mother (years)(b)	381	294	255	217	222	199	83	64
Less than 20	34	26	9	13	20	20	8	2
20-29	170	126	124	96	107	86	40	28
30-39	166	129	110	96	85	87	31	31
40 or more	11	12	8	7	5	6	2	3

(a) Based on 400 grams/20 weeks definition. See Explanatory Notes, paragraph 4 for further information.

(b) Not stated is included in total.

3.8 PERINATAL DEATHS(a) by State or Territory of Usual Residence *continued*

Particulars	WA.....		Tas.....		NT.....		ACT.....	
	Males	Females	Males	Females	Males	Females	Males	Females
FETAL DEATHS								
Weight at delivery (grams)(b)	82	74	19	21	18	12	9	13
400–999	32	34	4	5	12	5	4	3
1,000–2,999	30	24	5	6	5	5	—	9
3,000 or more	18	16	—	3	1	2	4	1
Period of gestation (weeks)(b)	82	74	19	21	18	12	9	13
Less than 28	29	29	9	8	11	5	4	3
28–41	52	43	9	13	6	7	4	10
42 or more	1	—	—	—	—	—	—	—
Age of mother (years)(b)	82	74	19	21	18	12	9	13
Less than 20	6	8	2	2	1	2	1	—
20–29	35	24	6	10	12	4	4	7
30–39	36	40	1	2	4	5	4	6
40 or more	5	1	—	—	—	1	—	—
NEONATAL DEATHS								
Age at death	34	22	13	8	13	11	6	6
Less than 1 day	15	12	4	3	8	5	2	1
1 day to under 1 week	7	6	4	4	4	4	1	2
1 week to under 4 weeks	12	4	5	1	1	2	3	3
Weight at delivery (grams)(b)	34	22	13	8	13	11	6	6
400–999	17	6	2	1	4	4	3	3
1,000–2,999	11	10	5	1	6	5	3	2
3,000 or more	5	4	1	4	2	2	—	1
Period of gestation (weeks)(b)	34	22	13	8	13	11	6	6
Less than 28	18	7	4	2	6	5	3	3
28–41	14	11	5	5	7	6	3	3
42 or more	—	—	—	—	—	—	—	—
Age of mother (years)(b)	34	22	13	8	13	11	6	6
Less than 20	—	4	1	1	2	3	—	—
20–29	20	11	8	1	8	6	4	2
30–39	14	7	1	4	3	2	2	4
40 or more	—	—	—	—	—	—	—	—
PERINATAL DEATHS								
Age at death	34	22	13	8	13	11	6	6
Less than 1 day	15	12	4	3	8	5	2	1
1 day to under 1 week	7	6	4	4	4	4	1	2
1 week to under 4 weeks	12	4	5	1	1	2	3	3
Weight at delivery (grams)(b)	116	96	32	29	31	23	15	19
400–999	49	40	6	6	16	9	7	6
1,000–2,999	41	34	10	7	11	10	3	11
3,000 or more	23	20	1	7	3	4	4	2
Period of gestation (weeks)(b)	116	96	32	29	31	23	15	19
Less than 28	47	36	13	10	17	10	7	6
28–41	66	54	14	18	13	13	7	13
42 or more	1	—	—	—	—	—	—	—
Age of mother (years)(b)	116	96	32	29	31	23	15	19
Less than 20	6	12	3	3	3	5	1	—
20–29	55	35	14	11	20	10	8	9
30–39	50	47	2	6	7	7	6	10
40 or more	5	1	—	—	—	1	—	—

(a) Based on 400 grams/20 weeks definition. See Explanatory Notes, paragraph 4 for further information.

(b) Not Stated is included in total.

EXPLANATORY NOTES

INTRODUCTION

1 This publication contains summary statistics on causes of death for the general population, together with selected statistics on perinatal deaths. The registration of deaths is the responsibility of the individual State and Territory Registrars of Births, Deaths and Marriages. As part of the registration process, information as to the cause of death is supplied by the medical practitioner certifying the death or by a coroner. Other information about the deceased is supplied by a relative or other person acquainted with the deceased, or by an official of the institution where the death occurred. This information is provided to the Australian Bureau of Statistics (ABS) by individual Registrars for coding and compilation into aggregate statistics shown in this publication. Statistics of perinatal deaths for years prior to 1994 were published separately in *Perinatal Deaths, Australia* (Cat. no. 3304.0), which has been discontinued.

SCOPE AND COVERAGE

2 The statistics relate to the number of deaths registered, not those which actually occurred, in the years shown. Usually about 5% to 6% of deaths occurring in one year are not registered until the following year or later.

3 These statistics include all deaths registered in Australia during the registration year, including deaths of persons whose usual residence is overseas. Deaths of Australian residents which occurred outside Australia are not included in the statistics.

Perinatal death statistics

4 The perinatal death statistics contained in this publication, unless otherwise stated, include all fetuses and infants delivered weighing at least 400 g or (when birthweight is unavailable) the corresponding gestational age (20 weeks), whether alive or dead. This definition recognises the availability of reliable 400 g/20 weeks data from all State and Territory Registrars of Births, Deaths and Marriages and recommendations from major users that the ABS adopt the legal requirement for registration of a perinatal death as the statistical standard.

5 For 1996 and previous editions of this publication, data relating to perinatal deaths were based upon the World Health Organization (WHO) recommended definition for compiling national perinatal statistics. The WHO definition of perinatal deaths included infants and fetuses weighing at least 500 g or having a gestational age of 22 weeks or body length of 25 cm crown-heel.

6 The birth statistics used to calculate the perinatal and neonatal death rates in this publication are shown in Appendix 3. Appendix tables A3.1–A3.3 detail registered live birth statistics and stillbirth statistics adjusted to exclude infants who are known to have weighed under 400 g. Such births are identified from the medical certificate of perinatal death, which records birthweight. Appendix table A3.4 shows similar adjusted information but it is based on the 500 g definition.

Perinatal death statistics *continued*

7 The adjusted live birth statistics differ from the live birth statistics used to derive the infant death rates in this publication. The statistics used to calculate infant death rates include all registered live births regardless of birthweight. These statistics are shown in tables A2.1 and A2.2 of Appendix 2.

8 The adjusted birth statistics also differ from the statistics published in *Births, Australia* (Cat. no. 3301.0), which are unadjusted for birthweight, i.e. have not had births known to have weighed less than 400 grams excluded. For years 1993 to 1996, births which occurred in Other Territories were excluded from adjusted live births used in calculating perinatal rates.

STATISTICS FOR STATES AND TERRITORIES

9 Cause of death statistics for States and Territories in this publication have been compiled in respect of the State or Territory of usual residence of the deceased, regardless of where in Australia the death occurred and was registered. The State or Territory of usual residence for a perinatal death is determined by the State or Territory of usual residence of the mother. Statistics compiled on a State or Territory of registration basis are available on request.

10 The Australian Standard Geographical Classification versions used since 1993 have a category 'Other Territories' comprising Jervis Bay, Christmas Island and Cocos (Keeling) Islands. In the past, Jervis Bay was included with Australian Capital Territory and the two island Territories were included in Offshore and Migratory. From 1993 to 1996, statistics for 'Other Territories' have been excluded from this publication. However from 1997 they are included in the Australian totals.

CAUSE OF DEATH CLASSIFICATION USED

11 The tenth revision of the International Classification of Diseases (ICD-10) was adopted for Australian use for deaths registered from 1 January 1999. However, to identify changes between the ninth and tenth revisions, deaths for 1997 and 1998 have been coded to both revisions. In this publication, underlying cause data for 1999 and 2000 have been coded to the tenth revision while previous years' data are coded to the ninth revision. All multiple cause data in this publication are coded to the tenth revision (see Glossary for definition of underlying and multiple cause). For underlying cause of death, accidental and violent deaths are classified according to the external cause, that is, to the circumstances of the accident or violence which produced the fatal injury rather than to the nature of the injury.

12 The extensive nature of the ICD enables classification of causes of death at various levels of detail. For the purpose of this publication, two summary classifications are used. They are:

- the ICD at the Class level (with further disaggregation for major causes of death);
- main Causes of Death for age groups.

13 Tables 1.3, 1.4, 2.2, 2.3 and 2.4 present statistics at the ICD Class level with further disaggregation for major causes of death. Background on this summary classification is given in Volume 1 of the ICD.

CAUSE OF DEATH CLASSIFICATION USED *continued*

14 Tables 1.1, 1.2 and 1.6 present data for main causes of death for age groups. For each age group, a summary classification of the main causes of death relevant to the age group has been used. These consist of causes of death significant in that age group, at the Chapter level, with further disaggregation below the Chapter level where appropriate.

15 To enable the reader to see the relationship between the various summary classifications used in this publication, all tables show in brackets the ICD codes which constitute the causes of death covered.

16 ICD-10 allows for the coding of AIDS and AIDS-related deaths (B20-B24). As ICD-9 did not directly accommodate the coding of AIDS and AIDS-related deaths, cases where AIDS was the underlying cause were coded to ICD-9 deficiency of cell-mediated immunity (279.1), from 1988 to 1995. In 1996, ABS adopted ICD-9 Clinically Modified (CM) for coding of AIDS and AIDS-related deaths. Hence, for 1996, all AIDS-related deaths (i.e. deaths where AIDS was mentioned in any place on the death certificate) were coded to HIV infection (042–044). For all years where ICD-9 has been used, all AIDS-related deaths in table 1.3 have been reported as ICD-9 CM HIV infection (042–044).

17 All data in this publication refer to AIDS-related deaths rather than only those deaths where AIDS is the underlying cause. Hence in table 1.3, AIDS-related deaths differ from the data provided for all other causes in that table since for all other causes, only data for underlying cause are given.

Perinatal statistics

18 For perinatal deaths, both the main condition in the fetus/infant, and the main condition in the mother are coded to the full four-digit level of the tenth revision of ICD. Causes selected for publication in this issue are those categories which were responsible for a significant proportion of perinatal deaths.

DATA QUALITY

19 In compiling these statistics, the ABS employs a variety of quality control measures to ensure that the statistics are as reliable as possible. These measures include: seeking further information where necessary to enable accurate classification of the underlying cause of death; check-coding of cause of death; detailed computer editing of data; and checks on the statistical output, at the individual record and aggregate levels.

20 To assist certifiers in providing accurate and comprehensive information for mortality coding, the ABS provides certification booklets for guidance in the completion of medical certificates of cause of death.

Indigenous deaths

21 This publication includes Indigenous deaths data for all States and Territories with the exception of Tasmania and the Australian Capital Territory, where there are very small numbers of Indigenous deaths. While all States and Territories have provision for the identification of Indigenous deaths on their death registration forms, the coverage of Indigenous deaths varies greatly from State to State. Detailed information on coverage of indigenous deaths is provided in Appendix 6.

POPULATIONS

22 Appendix 2 provides details of the number of live births registered and the estimated age populations which have been used to calculate the rates shown in this publication. Appendix 3 provides data on adjusted births used for calculating perinatal death rates. These appendix figures also enable further rates to be calculated.

ACKNOWLEDGMENT

23 ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

RELATED PRODUCTS

24 Other available ABS products which may be of interest include:

- AusStats - electronic data* (see Explanatory Note 25)
- Australian Social Trends* (Cat. no. 4102.0) — issued annually
- Births, Australia* (Cat. no. 3301.0) — issued annually
- Causes of Infant and Child Deaths, Australia, 1982–96* (Cat. no. 4398.0) — issued irregularly — discontinued
- Deaths, Australia* (Cat. no. 3302.0) — issued annually
- Deaths due to Diseases and Cancers of the Respiratory System, Australia, 1979–1994* (Cat. no. 3314.0) — issued irregularly
- Firearms Deaths, Australia, 1980–1995* (Cat. no. 4397.0) — issued irregularly — discontinued
- Suicides, Australia, 1921–1998* (Cat. no. 3309.0) — issued irregularly
- Trends in Mortality by Causes of Death in Australia, the States and Territories during 1971–1992 and in Statistical Divisions and Sub-divisions during 1991–1992* (Cat. no. 3313.0) — issued irregularly — discontinued
- Women's Health, 1994* (Cat. no. 4365.0) — issued irregularly — discontinued

25 AusStats is a web based information service which provides ABS's full standard product range on-line. It also includes companion data in multidimensional datasets in SuperTable format, and time series spreadsheets.

26 Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists publications to be released in the next few days. Both are available from any ABS office.

27 As well as the statistics included in this and related publications, additional information is available from the ABS Website at <<http://www.abs.gov.au>> by accessing Themes/Health.

DATA AVAILABLE ON REQUEST

28 More detailed cause of death information is available upon request from the ABS. This information can comprise standard tables (see Appendix 1) or customised tabulations (by hardcopy or electronic media). Unit record files are available to approved users upon application. Generally, a charge is made for providing information upon request.

29 Perinatal tabulations for Australia based on WHO national (see Explanatory Notes, paragraph 5) and international definitions are available upon request. The WHO international definition comprises all fetuses and infants (who die within seven days of birth) weighing at least 1,000 g or (when birthweight is unavailable) having the corresponding gestational age (28 weeks) or body length (35 cm crown-heel). A charge is made for providing this information.

30 For more information about cause of death statistics or data concepts contact Peter Burke on 1800 620 963.

EFFECTS OF ROUNDING

31 Where figures have been rounded, discrepancies may occur between totals and sums of the component items.

APPENDIX **1** DATA AVAILABLE ON REQUEST

GENERAL

Causes of death data are available from calendar year 1964, through the ABS special data service. Please note that for comparability purposes the data conform to the different revisions of the ICD, namely:

- ICD-7 1964–1967
- ICD-8 1968–1978
- ICD-9 1979–1996
- ICD-10 1997–2000

Documentation is available detailing the relationship between the various revisions of ICD. Detailed data tables excluded from the national cause of death publication since 1984 are available on microfiche up to 1996 or through the special data service.

DATA ITEMS FOR CROSS-TABULATION WITH CAUSES OF DEATH

The following variables relating to the deceased are available for both underlying and multiple causes of death :

- State or Territory of registration of the death
- Month and year of registration of the death
- Place of usual residence
 - ◆ State or Territory
 - ◆ Statistical Division
 - ◆ Statistical Local Area
- Occupation
 - ◆ From 1990
 - Males and females aged 15 years and over
 - ◆ Pre-1990
 - Males aged 15–64 years only
 - ◆ 1985–1990
 - Females aged 15–59 years only
- Sex
- Age
 - ◆ In completed days under one week
 - ◆ In completed days under one month
 - ◆ In completed months under one year
 - ◆ In completed years other ages
- Date of death
- Country of birth
- Duration of residence in Australia (where not Australian born)
- Marital status
- Number of issue
- Indigenous status
- Post-mortem indicator (not available for all States)
- Drowning indicator (from 1992)
- AIDS indicator (where AIDS is mentioned on the death certificate, whether the underlying cause or not) (up to 1997)
- Certifier of cause of death (doctor or coroner)
- Cancer indicator (where cancer is mentioned on the death certificate, whether the underlying cause or not) (up to 1997)

A1.1 STANDARD UNDERLYING CAUSE OF DEATH TABLES

<i>Table</i>	<i>Description</i>
COD 1	Deaths by State and Territory of usual residence by cause of death (ICD 3-digit) by sex
COD 2	Deaths by State and Territory of usual residence by cause of death (ICD 3-digit) by sex by five-year age groups
COD 3	Deaths by State and Territory of registration by cause of death (ICD 3-digit) by sex
COD 4	Deaths by State and Territory of registration by cause of death (ICD 3-digit) by sex by five-year age groups
COD 5	Causes of death (ICD 3-digit) by country of birth by sex by age
COD 6	Causes of death (ICD 3-digit) by month of occurrence by State
COD 7	Causes of death (ICD 3-digit) by marital status by sex by age

APPENDIX 2

DATA USED IN CALCULATING RATES

The following tables contain data used in calculating the various rates referred to in this publication. Tables A2.1 and A2.2 are used to calculate infant death rates while table A2.3 is used to calculate age-specific death rates.

A2.1 LIVE BIRTHS REGISTERED(a)

Sex	1990	2000
Males	135 194	128 190
Females	127 454	121 446
Persons	262 648	249 636

(a) Used to calculate infant death rates.

A2.2 LIVE BIRTHS REGISTERED(a), By Usual Residence of Mother

Sex	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.(b)
Males	44 705	30 326	24 291	9 164	12 763	2 985	1 862	2 074	128 190
Females	42 047	28 845	22 987	8 695	12 330	2 707	1 823	1 991	121 446
Persons	86 752	59 171	47 278	17 859	25 093	5 692	3 685	4 065	249 636

(a) Used to calculate infant death rates.

(b) Includes Other Territories. See Explanatory Notes, paragraph 10 for further information.

A2.3 AGES OF ESTIMATED RESIDENT POPULATION AT 30 JUNE

AGE GROUPS(YEARS).....

Year	Under 1	1-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	All ages
MALES											
1990	131 758	1 794 786	1 405 949	1 414 983	1 296 753	923 740	734 744	531 677	235 313	41 566	8 511 269
2000	127 195	1 884 099	1 385 939	1 452 706	1 468 730	1 302 037	878 626	623 952	336 140	78 391	9 537 815
FEMALES											
1990	124 796	1 703 654	1 354 814	1 401 226	1 275 233	879 521	729 790	619 200	360 016	105 609	8 553 859
2000	120 505	1 789 464	1 323 924	1 444 843	1 472 825	1 285 666	860 244	675 349	472 565	173 837	9 619 222
PERSONS											
1990	256 554	3 498 440	2 760 763	2 816 209	2 571 986	1 803 261	1 464 534	1 150 877	595 329	147 175	17 065 128
2000	247 700	3 673 563	2 709 863	2 897 549	2 941 555	2 587 703	1 738 870	1 299 301	808 705	252 228	19 157 037

APPENDIX 3 DATA USED FOR PERINATAL DEATHS

400 GRAMS/20 WEEKS GESTATION

The following tables contain births data used in calculating perinatal death rates. Tables A3.1, A3.2 and A3.3 are used to calculate perinatal death rates based on the 400 g/20 weeks gestation definition for fetal deaths. This definition was used predominantly in this issue and will be used in future issues.

A3.1 ADJUSTED BIRTHS(a), By Usual Residence of Mother

STATE OR TERRITORY OF USUAL RESIDENCE.....

		NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.(b)
Live births	Males	44 695	30 326	24 291	9 160	12 754	2 985	1 861	2 074	128 166
	Females	42 042	28 845	22 987	8 691	12 324	2 707	1 822	1 990	121 429
Stillbirths(c)	Males	221	164	132	47	82	19	18	9	692
	Females	178	152	112	49	74	21	12	13	611
Total	Males	44 916	30 490	24 423	9 207	12 836	3 004	1 879	2 083	128 858
	Females	42 220	28 997	23 099	8 740	12 398	2 728	1 834	2 003	122 040
	Persons	87 136	59 487	47 522	17 947	25 234	5 732	3 713	4 086	250 898

(a) Registered births adjusted to conform to WHO criteria for the calculation of perinatal death rates. See Glossary.

(c) Including those where it was not known if the heartbeat ceased before or after the delivery.

(b) Includes Other Territories. See Explanatory Notes, paragraph 10 for further information.

A3.2 ADJUSTED BIRTHS(a), By Sex of Child and Age of Mother

AGE OF MOTHER (YEARS).....

		Under 20	20-24	25-29	30-34	35-39	40 and over	Not stated	Total
Live births	Males	5 921	19 526	40 207	40 207	18 818	3 451	36	128 166
	Females	5 550	18 073	38 191	38 443	17 976	3 153	43	121 429
Stillbirths(b)	Males	50	126	202	171	103	24	16	692
	Females	44	96	161	183	95	23	9	611
Total	Males	5 971	19 652	40 409	40 378	18 921	3 475	52	128 858
	Females	5 594	18 169	38 352	38 626	18 071	3 176	52	122 040
	Persons	11 565	37 821	78 761	79 004	36 992	6 651	104	250 898

(a) Registered births adjusted to conform to WHO criteria for the calculation of perinatal death rates. See Glossary.

(b) Including those where it was not known if the heartbeat ceased before or after delivery.

A3.3 ADJUSTED BIRTHS(a), By Sex

	LIVE BIRTHS.....			STILLBIRTHS(b).....			TOTAL.....		
	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>
1990	135 184	127 437	262 621	989	791	1 780	136 173	128 228	264 401
1991	131 955	125 274	257 229	868	790	1 658	132 823	126 064	258 887
1992	135 573	128 525	264 098	889	812	1 701	136 462	129 337	265 799
1993	133 545	126 626	260 171	765	674	1 439	134 310	127 300	261 610
1994	132 589	125 385	257 974	798	614	1 412	133 387	125 999	259 386
1995	131 411	124 725	256 136	805	707	1 512	132 216	125 432	257 648
1996	130 526	123 214	253 740	900	768	1 668	131 426	123 982	255 408
1997	129 143	122 631	251 774	829	687	1 516	129 972	123 318	253 290
1998	127 981	121 574	249 555	707	629	1 336	128 688	122 203	250 891
1999	127 346	121 493	248 839	682	602	1 284	128 028	122 095	250 123
2000	128 166	121 429	249 595	692	611	1 303	128 858	122 040	250 898

(a) Registered births adjusted to conform to WHO criteria for the calculation of perinatal death rates. See Glossary.

(b) Including those where it was not known if the heartbeat ceased before or after delivery.

500 GRAMS/22 WEEKS GESTATION

Table A3.4 contains births data used in the calculation of perinatal death rates based on the WHO definition of 500 g/22 weeks gestation for fetal deaths. This definition was used by the ABS in publications up to and including 1996.

A3.4 ADJUSTED BIRTHS(a), By Sex

	LIVE BIRTHS.....			STILLBIRTHS(b).....			TOTAL.....		
	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>
1990	135 165	127 421	262 586	888	702	1 590	136 053	128 123	264 176
1991	131 941	125 253	257 194	777	701	1 478	132 718	125 954	258 672
1992	135 544	128 509	264 053	779	714	1 493	136 323	129 223	265 546
1993	133 525	126 616	260 141	668	577	1 245	134 193	127 193	261 386
1994	132 563	125 365	257 928	692	515	1 207	133 255	125 880	259 135
1995	131 386	124 700	256 086	681	602	1 283	132 067	125 302	257 369
1996	130 495	123 179	253 674	759	652	1 411	131 254	123 831	255 085
1997	129 119	122 601	251 720	692	588	1 280	129 811	123 189	253 000
1998	127 954	121 541	249 495	590	532	1 122	128 544	122 073	250 617
1999	127 297	121 456	248 753	549	505	1 054	127 846	121 961	249 807
2000	128 139	121 406	249 545	570	506	1 076	128 709	121 912	250 621

(a) Registered births adjusted to conform to WHO criteria for the calculation of perinatal death rates. See Glossary.

(b) Including those where it was not known if the heartbeat ceased before or after delivery.

APPENDIX 4 ENHANCED DEATH DATA

MULTIPLE CAUSES OF DEATH STATISTICS

Until 1997, the ABS produced causes of death statistics according to WHO recommendations, where each death was assigned a single underlying cause. The underlying cause 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'. The medical certificate of cause of death recommended by WHO for international use, was designed to facilitate the selection of the underlying cause. When more than one condition is entered on the death certificate the underlying cause is selected using the coding rules of the relevant version of the ICD. The underlying cause is selected so that preventive strategies can be instituted to address that particular cause. Since its adoption in 1948, statistics based on the underlying cause concept have served the purpose of summarising international cause-specific mortality statistics into a single index, which has been used to assess trends in causes of death.

The current leading causes of death are now very different from those that prevailed when the single underlying cause concept was adopted. The leading causes of death in most countries have shifted from infectious and parasitic diseases to chronic and degenerative diseases, and from infant and child deaths to deaths among the elderly. As the population continues to age, chronic diseases become increasingly more important. Deaths from chronic conditions occur with a number of concurrent or coexisting conditions, whose initiating condition is often difficult to isolate. Some deaths, it has been postulated, cannot occur without the influence of more than one cause. The ability of the single underlying cause statistics alone to accurately summarise the mortality pattern of a population has, therefore, been questioned.

When only a single underlying cause is selected for tabulating cause-specific statistics, other information provided on the death certificate is lost, for instance, immediate cause of death, causes and conditions that intervene between the underlying and immediate causes of death and many other contributory causes that were involved, but did not directly influence the death. The information lost may be important to the understanding of the process of death. Since the introduction of multiple cause coding, data suggest that on average 1.8 causes (and conditions) would be lost per death if only the single underlying cause was recorded. The loss of information is a particular problem for deaths attributed to external causes (injury, poisoning and violence) which are classified to the circumstances of death, rather than according to the nature of injury.

In response to this issue, ABS has from 1997 calendar year data coded and tabulated all causes and conditions reported on each death certificate using software developed by the National Center for Health Statistics (NCHS) of the United States of America. The NCHS software has three major components: MICAR (Medical Indexing, Classification and Retrieval System), ACME (Automatic Classification of Medical Entities) and TRANSAX (Translation of Axes). These three components have been developed to read the textual entries and convert them into a file containing multiple causes of death in accordance with ICD coding rules.

MULTIPLE CAUSES OF DEATH STATISTICS *continued*

The automation of cause of death coding has brought a number of benefits, including improved data quality and timeliness. It will facilitate policy relevant epidemiological and demographic research by focusing on competing risks and disease interactions which are not possible from the cause of death statistics solely based on underlying cause.

However, there has been a break in the time series data due to the introduction of automatic coding of causes of death. This issue is addressed in Appendix 5 and comparability factors have been provided to assist with the linking of manually and automatically coded data.

INTRODUCTION

Comparability of mortality data over time is affected by a number of factors. These include issues relating to the collection, classification and processing of the data. In recent years there have been two major changes within Australia, namely, the introduction of the tenth revision of the International Classification of Diseases (ICD-10) for classifying deaths registered from 1 January 1999 and the introduction of the Automated Coding System (ACS) for processing deaths registered from 1 January 1997.

A5.1 INTRODUCTION OF AUTOMATED CODING AND ICD-10

<i>Years</i>	<i>Coding method</i>	<i>ICD revision</i>	<i>Comments</i>
1979–1996	Manual	ICD-9	Prior to 1979, manual coding under relevant ICD revisions
1997–1998	Automated	ICD-9	Comparability factors between manual and automated ICD-9 coding were produced, based on a sample of dual coded 1997 data.
1997–1998	Automated	ICD-10	1997 and 1998 data coded to ICD-10 following its introduction
1999–	Automated	ICD-10 only	Comparability factors between ICD-9 (manually coded) and ICD-10 (automatically coded) based on 1997 backcoded data.

TIMES SERIES

As a consequence of the coding of deaths registered in 1997 and 1998 to ICD-10 as well as ICD-9, there is now a single break in time series outlined in table A5.2 below.

A5.2 TIME SERIES

<i>Years</i>	<i>Coding method</i>	<i>ICD revision</i>
1979–1996	Manual	ICD-9
1997–onwards	Automated	ICD-10

To support this single break in series table A5.3 provides concordances and comparability factors for all groupings in this publication. The concordance illustrates the conceptual differences between ICD-9 and ICD-10 classifications. The comparability factors are derived from the movements in the underlying causes of death coded in ICD-9 compared to ICD-10. Care should be taken for those groupings with very small numbers. These groupings have been annotated with an asterisk (*).

TIMES SERIES *continued*

Additional concordance tables at the three and four digit level between records coded to ICD-9 and ICD-10 are available on request. Further information or clarification on the concordance between these revisions is available from the ABS on 1800 620 963.

COMPARISON OF NINTH AND TENTH REVISIONS OF ICD

The introduction of ICD-10 has resulted in changes to the interpretation and resultant coding of a number of causes, as outlined in the WHO publication *International Statistical Classification of Diseases and Related Health Problems Tenth Revision, Volume 2*. Causes most affected are asthma, mental and behavioural disorders and diseases of the nervous system.

Under ICD-10, asthma more clearly links with chronic obstructive airways diseases (COAD), especially bronchitis and emphysema. Where these conditions are present, COAD takes precedence, resulting in a decrease in the reporting of asthma as the underlying cause.

The chapters covering Mental and behavioural disorders and Diseases of the nervous system have undergone compensatory changes between ICD-9 and ICD-10 due mainly to Alzheimer's disease and certain dementias moving between these chapters.

A5.3 CONCORDANCE AND COMPARABILITY FACTORS

<i>Cause of death</i>	<i>ICD-10 code</i>	<i>ICD-9 code</i>	<i>Comparability factor</i>
All causes	A00–Y98	001–999	1.00
Chapter I Certain infectious and parasitic diseases	A00–B99	001–139	1.25
Septicaemia	A40, A41	038	1.28
Human immunodeficiency virus (HIV) disease	B20–B24	042–044	1.03
Chapter II Neoplasms	C00–D48	140–239	1.00
Malignant neoplasms	C00–C97	140–208	1.00
Digestive organs	C15–C26	150–157, 159	0.99
Oesophagus	C15	150	1.00
Stomach	C16	151	0.99
Colon	C18	153	0.98
Rectosigmoid junction, rectum, anus and anal canal	C19–C21	154	0.98
Liver and intrahepatic bile ducts	C22	155	1.07
Pancreas	C25	157	0.99
Respiratory and intrathoracic organs	C30–C39	160–165	0.94
Trachea, bronchus and lung	C33, C34	162	0.97
Melanoma of skin	C43	172	0.98
Breast	C50	174, 175	0.98
Female genital organs	C51–C58	179–184	0.99
Ovary	C56	1830	0.98
Male genital organs	C60–C63	185–187	0.99
Prostate	C61	185	0.98
Urinary tract	C64–C68	188, 189	0.96
Kidney, except renal pelvis	C64	1890	0.96
Bladder	C67	188	0.95
Eye, brain and other parts of central nervous system	C69–C72	190–192	0.97
Brain	C71	191	0.97

A5.3 CONCORDANCE AND COMPARABILITY FACTORS *continued*

<i>Cause of death</i>	<i>ICD-10 code</i>	<i>ICD-9 code</i>	<i>Comparability factor</i>
<i>Malignant neoplasms continued</i>			
Lymphoid, haematopoietic and related tissue	C81–C96	200–208	0.97
Leukaemia	C91–C95	204–208	0.94
In situ and benign neoplasms and neoplasms of uncertain or unknown behaviour	D00–D48	210–239	1.18
Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50–D89	279, 280–289	1.07
Chapter IV Endocrine, nutritional and metabolic diseases	E00–E90	240–278	1.01
Diabetes mellitus	E10–E14	250	0.99
Chapter V Mental and behavioural disorders	F00–F99	290–319	0.78
Psychoactive substance use	F10–F19	291, 292, 303, 304, 305	1.09
Chapter VI Diseases of the nervous system	G00–G99	320–389	1.20
Extrapyramidal and movement disorders	G20–G26	332–333	0.95
Alzheimer's disease	G30	3310	1.48
Chapter VII Diseases of the eye and adnexa	H00–H59	360–379	*
Chapter VIII Diseases of the ear and mastoid process	H60–H95	380–389	*
Chapter IX Diseases of the circulatory system	I00–I99	390–459	1.00
All heart disease	I05–I09, I11, I13, I20–I25, I26, I27, I30–I52	393–398, 402, 404, 410–414, 415, 416, 420–429	1.01
Acute rheumatic fever and chronic rheumatic heart diseases	I00–I09	390–398	0.69
Hypertensive diseases	I10–I15	401–405	1.00
Ischaemic heart diseases	I20–I25	410–414	1.01
Acute myocardial infarction	I21	410	0.96
Pulmonary heart disease and diseases of pulmonary circulation and other forms of heart disease	I26–I52	415–429	1.06
Cerebrovascular diseases	I60–I69	430–438	0.97
Diseases of arteries, arterioles and capillaries	I70–I79	440–448	0.97
Atherosclerosis	I70	440	0.98
Aortic aneurysm	I71	441	0.97
Chapter X Diseases of the respiratory system	J00–J99	460–519	0.91
Influenza and pneumonia	J10–J18	480–487	0.87
Chronic lower respiratory diseases	J40–J47	490–496	0.91
Emphysema	J43	492	0.86
Asthma and status asthmaticus	J45, J46	493	0.75
Chapter XI Diseases of the digestive system	K00–K93	520–579	1.05
Diseases of oesophagus, stomach and duodenum	K20–K31	530–537	1.04
Gastric and duodenal ulcer	K25–K27	531–533	0.99
Diseases of liver	K70–K77	570–573	1.02
Chapter XII Diseases of the skin and subcutaneous tissue	L00–L99	680–709	1.06
Chapter XIII Diseases of the musculoskeletal system and connective tissue	M00–M99	710–739	1.15
Arthropathies and systemic connective tissue disorders	M00–M36	710–719	1.19
Chapter XIV Diseases of the genitourinary system	N00–N99	580–629	1.14
Renal failure	N17–N19	584–586	1.05

A5.3 CONCORDANCE AND COMPARABILITY FACTORS *continued*

<i>Cause of death</i>	<i>ICD-10 code</i>	<i>ICD-9 code</i>	<i>Comparability factor</i>
Chapter XV Pregnancy, childbirth and the puerperium	000–099	630–676	*
Chapter XVI Certain conditions originating in the perinatal period	P00–P96	760–779	0.96
Disorders related to short gestation and low birthweight, not elsewhere classified	P07	765	*
Infections specific to the perinatal period	P35–P39	771	*
Haemorrhagic and haematological disorders of fetus and newborn	P50–P61	772–774, 776	*
Chapter XVII Congenital malformations, deformations and chromosomal abnormalities	Q00–Q99	740–759	1.03
Congenital malformations of the nervous system	Q00–Q07	740–742	1.00
Congenital malformations of the circulatory system	Q20–Q28	745–747	1.12
Congenital malformations of the respiratory system	Q30–Q34	748	0.90
Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00–R99	780–799	0.76
Sudden infant death syndrome	R95	7980	0.94
Chapter XX External causes of morbidity and mortality	V01–Y98	E800–E999	1.06
Accidents	V01–X59	E800–E949	1.05
Transport accidents	V01–V99	E800–E848	1.03
Falls	W00–W19	E880–E886, E888	1.10
Accidental drowning and submersion	W65–W74	E910	1.03
Intentional self-harm	X60–X84	E950–E959	0.97
Hanging, strangulation and suffocation	X70	E953	0.97
Assault	X85–Y09	E960–E969	1.02

APPENDIX 6 INDIGENOUS DEATHS

INTRODUCTION

In 2000, there were 2,127 deaths registered where Indigenous origin of the deceased person was identified. While it is considered likely that virtually all Indigenous deaths are registered, a significant proportion are not identified as Indigenous. Therefore, the number of Indigenous deaths registered in 2000 is an underestimate of the actual number of deaths.

PROPENSITY TO IDENTIFY AS INDIGENOUS

Propensity to identify as Aboriginal and Torres Strait Islander is determined by a range of factors, including who provides the information (e.g. the person in question, a relative, or an official); the perception of how the information will be used; education programs about identifying as Indigenous; and emotional reaction to identifying as Indigenous.

There are three estimates of the number of Indigenous deaths reproduced in table A6.1. Each is based on a different collection, with a different propensity to identify as Aboriginal and Torres Strait Islander:

- Deaths registered as Indigenous: This publication is based on the registration of deaths by each State or Territory Registrar of Births, Deaths and Marriages.
- 1991 Census-based projections: These data are estimated using mortality levels based on 1986–1991 Indigenous life tables, and the Indigenous population based on the 1991 Census. These are published in *Experimental Projections of the Aboriginal and Torres Strait Islander Population, 30 June 1991–30 June 2001* (Cat. no. 3231.0).
- 1996 Census-based estimates and projections: Estimates prior to 1996 are derived by backdating estimates of the 1996 Indigenous population. The level of mortality is based on the 1991–1996 experimental life tables published in *Experimental Projections of the Aboriginal and Torres Strait Islander Population, 30 June 1996–30 June 2006* (Cat. no. 3231.0). The 2000 projection data assumes no change in mortality and no increase in propensity to identify after 1996.

Propensity to identify in the Census can be seen as a social issue, primarily reflecting the social attitudes Indigenous people may have about making what amounts to public statements about their heritage. Propensity to identify on death certificates is considerably lower than in the Census because the person completing the death certificate (usually a funeral director or doctor) may not know if the deceased is of Aboriginal and Torres Strait Islander origin, and may be reluctant or unable to ask relatives.

The mismatch of the degree of identification propensity between the census and the death certificates represents a problem with data quality, indicating that the number of registered Indigenous deaths is an undercount of the actual number.

A6.1 DEATHS OF INDIGENOUS PEOPLE, Summary

Year	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.(a)
DEATHS REGISTERED AS INDIGENOUS									
1990	201	42	4	118	322	—	393	—	1 082
1991	206	50	—	135	401	3	412	—	1 208
1992	165	53	—	107	346	5	397	—	1 074
1993	194	50	—	111	386	6	376	9	1 134
1994	207	50	—	123	377	3	380	10	1 153
1995	224	50	—	121	384	3	387	9	1 182
1996	177	49	258	118	370	—	328	5	1 306
1997	88	93	531	132	351	5	458	4	1 662
1998	462	123	593	127	378	13	415	3	2 114
1999	435	130	529	116	350	11	399	6	1 976
2000	473	108	535	144	407	8	450	—	2 127
PROJECTED INDIGENOUS DEATHS (1991 Census-based experimental projections)(b)									
1995	518	113	604	126	385	54	374	10	2 185
1996	528	114	613	128	390	56	379	10	2 220
1997	537	116	623	131	394	57	386	11	2 257
1998	547	118	634	133	400	59	391	11	2 293
1999	556	121	644	135	406	61	397	12	2 334
2000	567	123	655	137	411	62	404	13	2 374
PROJECTED INDIGENOUS DEATHS (1996 Census-based experimental estimates and projections)									
1995(c)	932	209	887	186	488	119	446	18	3 289
1996(c)	950	211	900	189	494	124	452	18	3 341
1997(d)	966	215	915	193	499	126	460	20	3 397
1998(d)	984	219	936	199	509	130	471	21	3 472
1999(d)	1 010	222	960	202	518	133	482	22	3 552
2000(d)	1 035	225	983	208	529	139	491	22	3 634
ESTIMATED COVERAGE OF INDIGENOUS DEATHS (1991 Census-based)(%)									
1995	43	44	—	96	100	6	103	90	54
1996	34	43	42	92	95	—	87	50	59
1997	16	80	85	101	89	9	119	36	74
1998	84	104	94	95	95	22	106	27	92
1999	78	107	82	86	86	18	101	50	85
2000	83	88	82	105	99	13	111	—	90
ESTIMATED COVERAGE OF INDIGENOUS DEATHS (1996 Census-based)(%)									
1995	24	24	—	65	79	3	87	50	36
1996	19	23	29	63	75	—	73	28	39
1997	9	43	58	68	70	4	100	20	49
1998	47	56	63	64	74	10	88	14	61
1999	43	59	55	57	68	8	83	27	56
2000	46	48	54	69	77	6	92	—	59

(a) Includes 'Other Territories' from 1993.

(b) Source: *Experimental Projections of the Aboriginal and Torres Strait Islander Population, 30 June 1991–30 June 2001* (Cat. no. 3231.0), medium series.

(c) Source: *Experimental Estimates of the Aboriginal and Torres Strait Islander Population, 1991–1996* (Cat. no. 3230.0), data available on request.

(d) Source: *Experimental Projections of the Aboriginal and Torres Strait Islander Population, 1996–2006* (Cat. no. 3231.0), low series.

TECHNICAL NOTE

YEARS OF POTENTIAL LIFE LOST

YPLL measures the extent of 'premature' mortality, which is assumed to be any death at ages of 1–75 years inclusive, and aids in assessing the significance of specific diseases or trauma as a cause of premature death.

PREMATURE MORTALITY, Deaths of Persons Aged 1–75 Years

Cause of death and ICD code	YPLL(a).....	
	Males	Females
All causes	550 742	287 467
Malignant neoplasms (cancer) (C00–C97)	139 286	113 519
Digestive organs (C15–C26)	41 033	22 641
Trachea, bronchus and lung (C33–C34)	29 057	14 836
Accidents (V01–X59)	111 064	36 343
Transport accidents (V01–V99)	58 759	20 320
Accidental poisoning by and exposure to noxious substances (X40–X49)	24 914	9 110
Ischaemic heart diseases (I20–I25)	67 755	19 565
Intentional self harm (X60–X84)	65 015	17 067
Cerebrovascular diseases (stroke) (I60–I69)	14 302	11 000
Diseases of the nervous system (G00–G99)	16 919	10 080
Mental and behavioural disorders due to psychoactive substance use (F10–F19)	22 041	6 186
Chronic lower respiratory diseases (J40–J47)	12 823	9 911
Diseases of liver (K70–K77)	10 611	3 996
Diabetes mellitus (E10–E14)	8 736	5 258
Diseases of arteries, arterioles and capillaries (including atherosclerosis and aortic aneurysm) (I70–I79)	4 462	1 844
Human immunodeficiency virus (HIV) disease (B20–B24)	4 153	331
Influenza and pneumonia (J10–J18)	3 585	2 006

(a) Years of potential life lost standardised for age.

Estimates of YPLL were calculated for deaths of persons aged 1–75 years based on the assumption that deaths occurring at these ages are untimely. A number of variables are used in these calculations, as described below.

YPLL is derived from:

$$YPLL = \sum_x (D_x (76 - A_x))$$

where:

A_x = adjusted age at death. As age at death is only available in completed years the midpoint of the reported age was chosen (e.g. age at death 34 years was adjusted to 34.5).

D_x = registered number of deaths at age x due to a particular cause of death.

YEARS OF POTENTIAL LIFE LOST *continued*

YPLL was standardised for age using the following formula:

$$YPLL_s = \sum_x (D_x (76 - A_x) C_x)$$

where the age correction factor C_x is defined for age x as:

$$C_x = \frac{N_{xs}}{N_s} \cdot \frac{1}{N_x} \cdot N$$

where:

N = number of persons aged 1–75 years in the 2000 population

N_x = number of persons aged x years in the 2000 population

N_{xs} = number of persons aged x years in the standard population

N_s = number of persons aged 1–75 years in the standard population

The Australian population at 30 June 1991 was chosen as the standard population.

GLOSSARY

Adjusted births Registered births adjusted by removing all stillbirths and neonatal deaths where birthweight was known to be less than 400 g. This is the denominator used in calculating perinatal death rates in this publication. This adjustment is made in order to enable meaningful perinatal death rates to be calculated. See Explanatory Notes, paragraph 6.

Death rates Four forms of death rate are shown in the general deaths section in this publication. These are crude death rates, standardised death rates, age-specific death rates and infant death rates, as defined below:

- *Crude death rates* relate to the total number of deaths for specific causes and are the number of deaths for those causes per 100,000 of estimated resident population at 30 June of that year—see table 2.4.
- *Standardised death rates* enable the comparison of death rates between populations with different age structures by relating them to a standard population, in this case all persons in the 1991 Australian population. They are expressed per 100,000 persons. The standardised death rates in this publication are calculated using the *direct method*, used when populations under study are large and the age-specific death rates are reliable. It is the overall death rate that would have prevailed in the standard population if it had experienced at each age the death rates of the population under study—see tables 1.5 and 1.7.
- *Age-specific death rates* relate to deaths for age groups other than under one year and are the number of deaths per 100,000 of the mid-year estimated resident population as at 30 June of that year in a particular age/sex group—see table 1.3.
- *Infant death rates* relate to deaths of children under one year of age and are the number of deaths per 1,000 births in the year—see table 1.3.

For comparison and measuring purposes, perinatal deaths in this publication have also been expressed as rates. These rates are defined as follows:

- for fetal deaths and total perinatal deaths, the rates represent the number of deaths per 1,000 live births and fetal deaths combined (where birthweight was at least 400 g).
- for neonatal deaths, the rates represent the number of deaths per 1,000 live births (where birthweight was at least 400 g).

Fetal death A fetal death is the delivery of a child who did not, at any time after delivery, breathe or show any other evidence of life such as a heartbeat. (A birthweight criterion applies. See Explanatory Notes, paragraphs 4–6).

Infant death The death of a child before its first birthday.

Live births A live birth is the birth of a child who after delivery, breathes or shows any other evidence of life such as a heartbeat. (A birthweight criterion applies. See Explanatory Notes, paragraphs 6–8).

Multiple causes of death	All morbid conditions, diseases and injuries entered on the death certificate. These include those involved in the morbid train of events leading to death which were classified as either the underlying cause, the immediate cause, or any intervening causes and those conditions which contributed to death, but were not related to the disease or condition causing death. For deaths where the underlying cause was identified as an external cause (injury or poisoning) multiple causes include circumstances of injury, the nature of injury as well as any other conditions reported on the death certificate.
Neonatal death	A neonatal death is the death within 28 days of birth of any child who after delivery, breathed or showed any other evidence of life such as a heartbeat. (A birthweight criterion applies. See Explanatory Notes, paragraphs 4–6).
Perinatal death	A perinatal death is a fetal death or neonatal death. (A birthweight criterion applies. See Explanatory Notes, paragraphs 4–6).
Period of gestation	Period of gestation is measured from the first day of the last normal menstrual period to the date of birth and is expressed in completed weeks.
Stillbirth	See Fetal death.
Underlying cause of death	The disease or injury which initiated the train of morbid events leading directly to death. Accidental and violent deaths are classified according to the external cause, that is, to the circumstances of the accident or violence which produced the fatal injury rather than to the nature of the injury.
Years of potential life lost (YPLL)	YPLL measures the extent of 'premature' mortality, where 'premature' mortality is assumed to be any death at ages of 1–75 years inclusive. By estimating YPLL for deaths of people aged 1–75 years it is possible to assess the significance of specific diseases or trauma as a cause of premature death. See Technical Note for an explanation of the calculation of YPLL.

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