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**DEATHS
SOUTH AUSTRALIA
1993**

FINAL ISSUE

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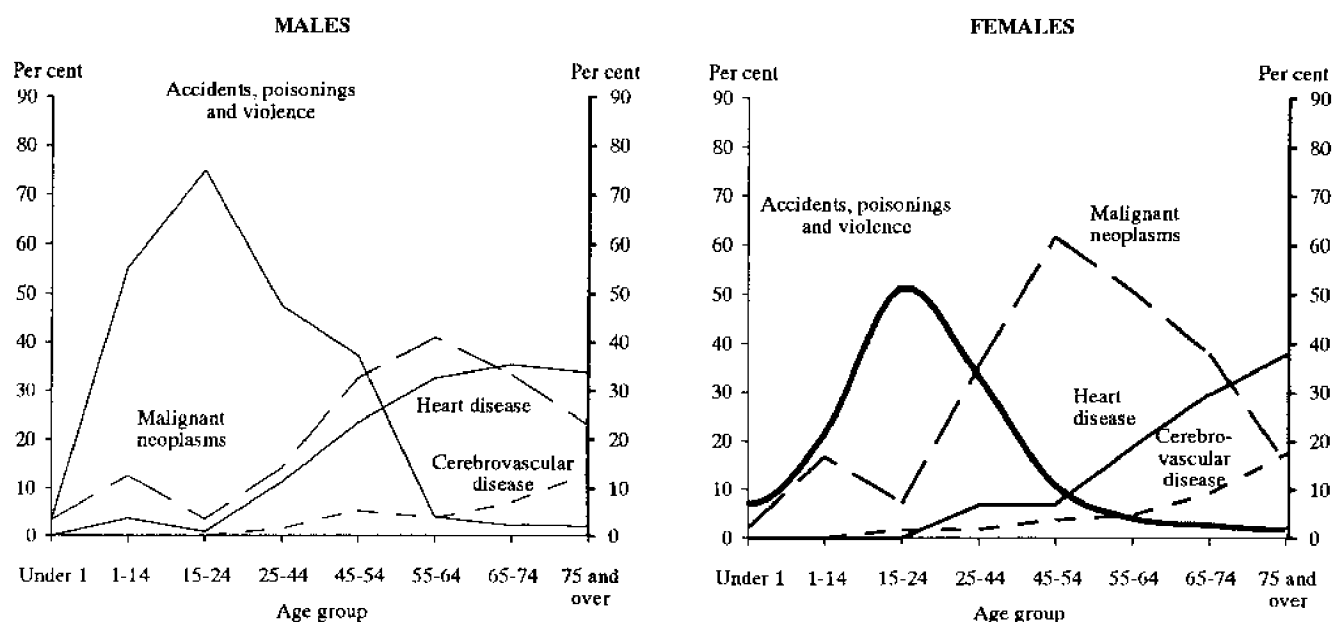
INQUIRIES

- For more information about the statistics in this publication and the availability of related, unpublished statistics, contact Brian Moody on Adelaide (08) 237 7315 or any ABS State Office.
- For information about other ABS statistics and services please phone Information Services on Adelaide (08) 237 7100, call at 55 Currie Street, Adelaide, or write to Information Services, ABS, GPO Box 2272, Adelaide, South Australia 5001.

SUMMARY OF FINDINGS

- There were 11,528 deaths of South Australian residents registered in 1993, an increase of 5.5 per cent (603) from 1992. In 1993 the median age at death was 73.7 years for males and 79.9 years for females.
- The crude death rate in 1993 was 7.9 per 1,000 mean resident population, an increase of 0.5 over the previous year, and the highest rate since 1989, when it reached 8.0.
- Age-specific death rates were generally higher for males than females. This difference tended to increase with age, rising from 1.0 per 1,000 for the 30-34 year age group to 25.0 for the 75-79 age group, and 36.4 for the 80-84 year group.

MAJOR CAUSES OF DEATH: PROPORTION OF ALL DEATHS BY SEX AND AGE GROUP, SOUTH AUSTRALIA, 1993



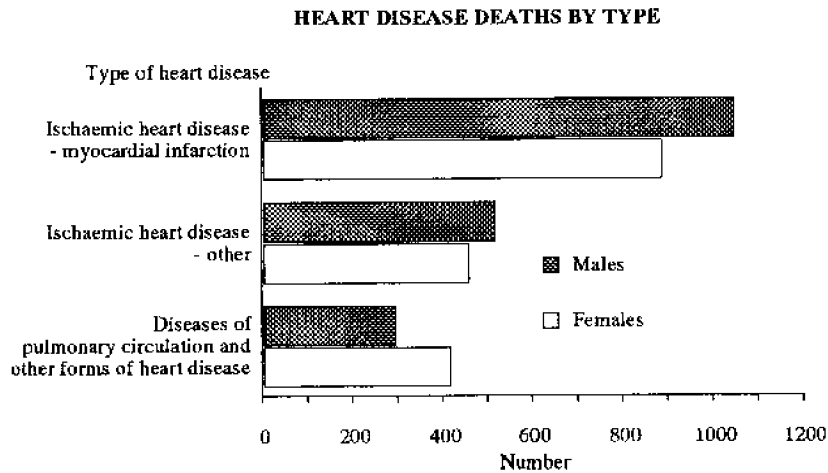
- Deaths were more common in winter than summer. The average number of August deaths during the years 1988 to 1993 was 1,098, 41 per cent higher than the February average of 777.
- Based on the mortality conditions prevailing in South Australia during 1993, the life expectancy at birth was 75.0 years for males and 80.5 years for females. This compares with 69.4 years (males) and 75.6 years (females) in 1971.
- The Yorke and Lower North Statistical Division recorded the highest crude death rate of 10.8 per 1,000 of resident population, followed by Eyre (8.1) and South East (7.6). The Yorke and Lower North Division recorded the highest rates for heart disease and malignant neoplasms at 342.8 and 280.1 (per 100,000 resident population) respectively. The statistical local area with the highest death rate was Kensington and Norwood(C) (16.6), while Roxby Downs(M) recorded the lowest (0.8).

Causes of death

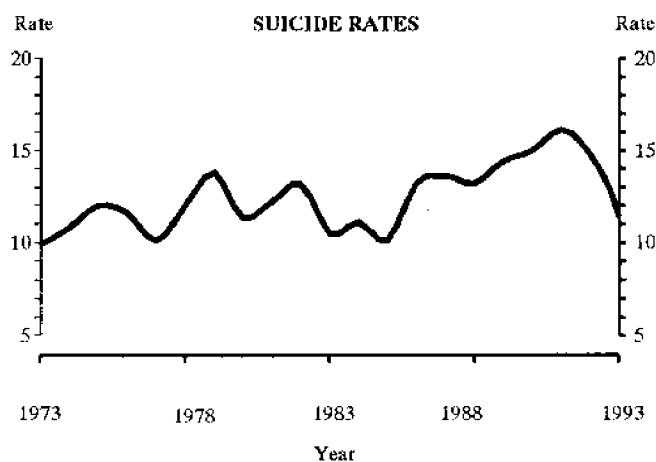
- The major causes of death were heart disease with 3,633 deaths or 31.5 per cent of the total; malignant neoplasms (cancer) with 2,967 deaths (25.7 per cent), and cerebrovascular disease with 1,258 deaths (10.9 per cent).
- In 1993 all forms of heart disease accounted for 1,865 male deaths and 1,768 female deaths. Compared with the 1992 figures this was an increase of 41 deaths (1.1 per cent). Ischaemic heart disease (restricted blood flow to the cardiac muscle) caused 2,918 (80.3 per cent of all deaths attributed to heart disease).

SUMMARY OF FINDINGS *(continued)*

- Acute myocardial infarction was the most prevalent type of ischaemic heart disease, causing 1,050 male deaths and 888 female deaths.



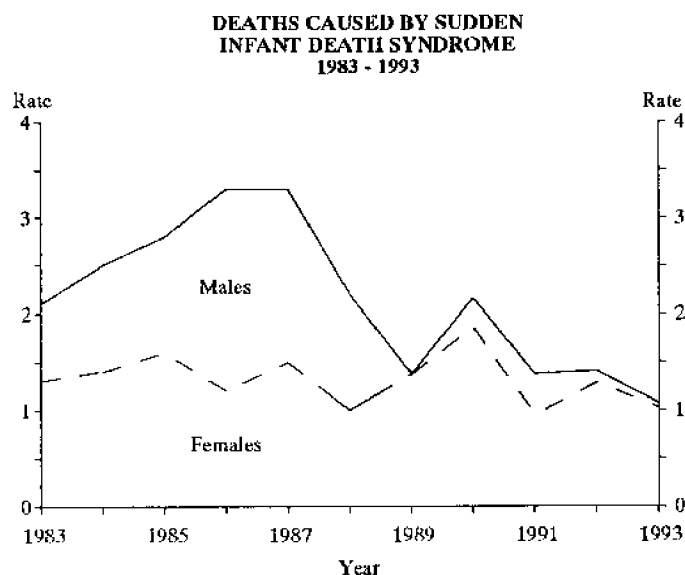
- Deaths caused by malignant neoplasms (cancer) increased from 1992 by 74 (4.7 per cent) for males, and by 131 (10.9 per cent) for females. Overall, malignant neoplasms caused 1,638 male deaths and 1,329 female deaths in 1993.
- The third most prevalent cause of death was cerebrovascular disease, which increased by 179 (16.6 per cent from 1992). There were 81 more male deaths (19.0 per cent) and 98 more female deaths (15.0 per cent).
- Diseases of the respiratory system caused 880 deaths (508 males and 372 females). This was an overall decrease of 10.4 per cent from 1992 (102 deaths).
- There were 209 deaths (147 males, 62 females) caused by motor vehicle traffic accidents. This was an increase of 20.8 per cent over 1992, following a decrease in that year of 19.2 per cent from 1991. In 1993, 25.4 per cent of the deaths attributable to this cause were males aged between 15 and 24 years, and another 23.9 per cent were males aged between 25 and 44 years.
- There were 166 deaths attributed to suicide and self-inflicted injury. This represented a rate of 11.3 per 100,000 population, and was a decrease of 22.1 per cent from the 1992 total (213 deaths). In 1993, 34.9 per cent of these deaths were males aged 25 to 44 years.



SUMMARY OF FINDINGS *(continued)*

Deaths by age

- There were 104 infant deaths (59 males and 45 females) in 1993, a decrease of 11.1 per cent from 1992. Of these deaths, 47 occurred within one week of birth, and a further 15 occurred between 1 and 4 weeks of age. The male infant mortality rate was 5.8 per 1,000 male live births while for females it was 4.6 per 1,000 female live births.

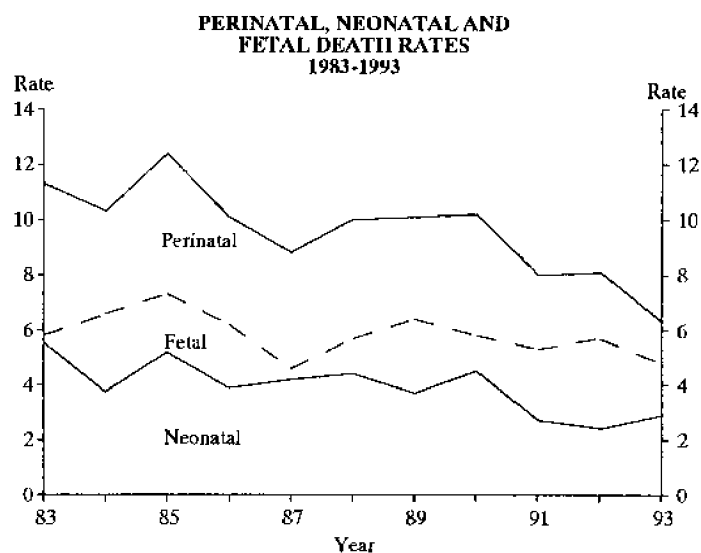


- In 1993 there were 21 deaths attributed to the Sudden Infant Death Syndrome (SIDS) for children aged under one year. This was a decrease of 5 from the previous year. SIDS accounted for 20.2 per cent of all infant deaths. The above graph shows the deaths attributed to SIDS as a rate per 1,000 live births from 1983 to 1993.
- In the age group 1 to 14 years, accidents, poisonings and violence were responsible for 56.3 per cent of male deaths and 20.8 per cent of female deaths.
- In the age group 15 to 24 years, the predominant causes of death for males were motor vehicle traffic accidents (46.1 per cent) and suicide and self-inflicted injury (15.7 per cent). For females, the leading causes were motor vehicle traffic accidents (29.1 per cent), and malignant neoplasms (7.3 per cent).
- For males aged between 25 and 44 years, the major cause of death was accidents, poisonings and violence (47.4 per cent), with 17.1 per cent of deaths being attributable to suicide, and 14.7 being attributable to motor vehicle traffic accidents. Malignant neoplasms were responsible for 14.1 per cent of deaths of males aged 25 to 44 years. Accidents, poisonings and violence caused 33.5 per cent of female deaths in this age group, with traffic accidents (11.6 per cent of all) and suicide (10.4 per cent) being the major causes. Malignant neoplasms (35.3 per cent) were a major cause of death for this group.
- Malignant neoplasms were the major cause of deaths for both males and females aged between 45 and 54 years, resulting in 92 deaths of males (32.6 per cent), and 114 deaths (61.6 per cent) of females. This cause was even more dominant for the age-group 55 to 64 years, where 286 males (40.9 per cent) and 206 females (50.7 per cent) died of cancer.
- For persons aged 65 years and over, the principal cause of death was heart disease (3,194 deaths), which accounted for 35.1 per cent of all deaths in this age group.

SUMMARY OF FINDINGS *(continued)*

Perinatal deaths

- South Australia's perinatal death rate (7.6) continued to fall in 1993, when there were 154 perinatal deaths, a decrease of 3 from 1992. These comprised 96 fetal deaths (a decrease of 13.5 per cent) and 58 neonatal deaths (an increase of 26.1 per cent).



Deaths of indigenous persons

- There were 111 deaths (61 male and 50 female) of indigenous persons (identified as being of Aboriginal or Torres Strait Islander descent). This was an increase of 3.7 per cent over the 1992 total of 107. In 1993 the main cause of death for indigenous persons was diseases of the circulatory system (26.1 per cent), the majority being due to heart disease.
- Nearly 30 per cent of Aboriginal persons whose deaths were registered in 1993 were aged 25 to 44 years, compared with only 4.4 per cent of that age group for all South Australian deaths. Nearly a quarter of Aboriginal deaths (24.3) were of persons aged 65 years or more, compared with only 18.7 per cent in 1992.

TABLE 1 — DEATHS: SUMMARY, SOUTH AUSTRALIA

Particulars	1976	1981	1986	1991	1992	1993
Deaths						
Males	5,437	5,390	5,556	5,924	5,812	6,015
Females	4,527	4,331	4,772	5,252	5,113	5,513
Persons	9,964	9,721	10,328	11,176	10,925	11,528
Sex ratio (male deaths per 100 female deaths)	120.1	124.5	116.4	112.8	113.7	109.1
Median age at death (years)						
Males	69.6	70.4	71.7	73.5	73.4	73.7
Females	77.4	78.3	77.9	79.5	79.8	79.9
Crude death rate (a)						
Males	8.6	8.2	8.1	8.3	8.0	8.3
Females	7.1	6.5	6.9	7.2	7.0	7.5
Persons	7.8	7.4	7.5	7.7	7.5	7.9
Infant deaths (b)	274	154	146	109	117	104
Infant mortality rate (c)	14.5	8.0	7.4	5.5	6.1	5.2

(a) Number of deaths per 1,000 of mean population. (b) Deaths of children aged under one year. (c) Number of infant deaths per 1,000 live births.

TABLE 2 — DEATHS : AGE AT DEATH BY SEX, NUMBER, RATE AND PROPORTION, SOUTH AUSTRALIA

Age at death (years)	Number			Rate(a)			Proportion (per cent)
	1991	1992	1993	1991	1992r	1993	1993
Males							
Under 1	65	68	59	6.3	6.8	5.8	1.0
1 - 4	5	12	23	0.1	0.3	0.6	0.4
5 - 9	6	8	15	0.1	0.2	0.3	0.2
10 - 14	4	7	10	0.1	0.1	0.2	0.2
15 - 19	51	41	44	0.9	0.8	0.8	0.7
20 - 24	93	70	71	1.6	1.2	1.2	1.2
25 - 29	69	76	75	1.2	1.3	1.3	1.2
30 - 34	73	60	95	1.2	1.0	1.6	1.6
35 - 39	103	83	84	1.9	1.5	1.5	1.4
40 - 44	92	97	86	1.7	1.8	1.6	1.4
45 - 49	129	140	117	3.0	3.0	2.4	1.9
50 - 54	179	177	165	5.0	4.9	4.4	2.7
55 - 59	252	266	279	8.0	8.3	8.6	4.6
60 - 64	480	469	421	14.4	14.5	13.4	7.0
65 - 69	736	739	749	24.4	24.2	24.3	12.5
70 - 74	882	866	939	40.2	37.8	39.5	15.6
75 - 79	997	1,013	1,004	64.5	64.5	63.4	16.7
80 - 84	922	863	914	114.1	102.8	103.3	15.2
85 and over	786	757	865	189.9	170.5	183.1	14.4
All ages	5,924	5,812	6,015	8.3	8.0	8.3	100.0
Females							
Under 1	44	49	45	4.6	5.1	4.7	0.8
1 - 4	9	10	10	0.2	0.3	0.3	0.2
5 - 9	8	10	5	0.2	0.2	0.1	0.1
10 - 14	6	9	9	0.1	0.2	0.2	0.2
15 - 19	27	20	29	0.5	0.4	0.6	0.5
20 - 24	28	23	26	0.5	0.4	0.5	0.5
25 - 29	35	28	27	0.6	0.5	0.5	0.5
30 - 34	38	39	34	0.6	0.7	0.6	0.6
35 - 39	41	35	62	0.7	0.6	1.1	1.1
40 - 44	70	58	50	1.3	1.1	0.9	0.9
45 - 49	66	82	73	1.6	1.8	1.5	1.3
50 - 54	111	115	112	3.2	3.2	3.1	2.0
55 - 59	142	149	156	4.5	4.7	4.8	2.8
60 - 64	257	241	250	7.6	7.3	7.8	4.5
65 - 69	446	392	436	13.3	11.7	13.1	7.9
70 - 74	575	567	611	21.3	20.1	21.0	11.1
75 - 79	802	763	852	36.8	34.6	38.4	15.5
80 - 84	951	938	1,025	67.7	64.2	66.9	18.6
85 and over	1,596	1,585	1,701	150.4	142.4	145.0	30.9
All ages	5,252	5,113	5,513	7.2	7.0	7.5	100.0

(a) Deaths per 1,000 mid-year population for each age group; deaths per 1,000 mean population for all ages.

TABLE 3 — INFANT DEATHS AND DEATH RATES: AGE AT DEATH BY SEX, SOUTH AUSTRALIA, 1993

Age at death	Number (a)			Infant death rate (b)		
	Males	Females	Persons	Males	Females	Persons
Under 1 day	16	14	30	1.6	1.4	1.5
1 day and under 7 days	10	7	17	1.0	0.7	0.8
1 week and under 4 weeks	11	4	15	1.1	0.4	0.7
Total under 4 weeks	37	25	62	3.6	2.5	3.1
4 weeks and under 12 months	22	20	42	2.2	2.0	2.1
Total under 1 year	59	45	104	5.8	4.6	5.2

(a) Deaths of children aged under 1 year. (b) Number of infant deaths per 1,000 live births.

TABLE 4 — DEATHS: MONTH AND YEAR OF OCCURRENCE (a), SOUTH AUSTRALIA, 1988 TO 1993

Month of occurrence	Year of occurrence					
	1988	1989	1990	1991	1992	1993
January	810	854	760	902	823	910
February	760	733	773	804	723	871
March	844	865	811	877	875	903
April	829	898	820	841	956	829
May	921	904	981	989	953	895
June	1,002	1,054	972	951	954	985
July	1,020	1,069	1,026	1,051	1,053	1,066
August	1,045	1,328	1,042	1,009	1,108	1,056
September	897	1,061	957	966	1,036	1,003
October	916	984	934	937	959	963
November	866	824	836	911	885	931
December	794	901	926	901	914	911
Total	10,704	11,475	10,838	11,139	11,239	11,323

(a) Figures in this table relate to deaths that occur in each month of the above 6 years and were registered up to 30 June 1994. They are subject to minor revision due to registrations after that date.

TABLE 5 — DEATHS: STATE OR TERRITORY OF USUAL RESIDENCE AND STATE OR TERRITORY OF REGISTRATION, 1993

State or Territory of usual residence	State or Territory of registration							
	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
New South Wales	42,387	194	261	36	12	2	7	170
Victoria	229	30,781	84	50	21	13	10	9
Queensland	258	28	19,658	5	5	1	9	8
South Australia	30	28	11	11,439	8	—	10	2
Western Australia	7	20	10	4	10,258	3	14	—
Tasmania	6	20	9	—	2	3,599	1	—
Northern Territory	6	3	12	38	7	—	699	—
Australian Capital Territory	53	4	3	4	3	—	2	1,041
Total registrations	42,978	31,078	20,048	11,576	10,318	3,618	752	1,231

121,599

TABLE 6 — EXPECTATION OF LIFE(a)

Age (years)	South Australia									
	1971		1981		1991		1993		Australia 1993	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
0	69.42	75.58	72.18	79.48	74.65	80.40	74.99	80.53	74.99	80.86
5	65.89	71.82	66.01	75.06	70.17	75.85	70.59	75.99	70.64	76.39
10	61.00	66.96	63.09	70.10	65.20	70.91	65.69	71.03	65.70	71.44
15	56.13	62.04	58.19	65.16	60.26	65.96	60.76	66.10	60.76	66.49
20	51.52	57.21	53.51	60.30	55.56	61.20	55.99	61.26	55.98	61.60
25	46.90	52.36	48.84	55.41	50.96	56.36	51.33	56.41	51.29	56.72
30	42.17	47.50	44.12	50.48	46.26	51.51	46.67	51.54	46.60	51.82
35	37.45	42.79	39.37	45.57	41.54	46.67	42.00	46.71	41.90	46.95
40	32.82	37.95	34.67	40.73	36.86	41.85	37.30	41.91	37.20	41.13
45	28.26	33.28	30.06	35.97	32.19	37.08	32.58	37.11	32.53	37.35
50	23.88	28.73	25.66	31.36	27.64	32.38	27.96	32.39	27.97	32.65
55	19.76	24.34	21.50	26.84	23.27	27.83	23.53	27.84	23.59	28.08
60	16.10	20.17	17.70	22.49	19.10	23.42	19.41	23.45	19.49	23.68
65	12.75	16.26	14.17	18.32	15.35	19.23	15.60	19.26	15.73	19.49
70	9.91	12.73	11.09	14.53	12.03	15.35	12.25	15.39	12.38	15.55
75	7.68	9.62	8.56	11.16	9.09	11.79	9.40	11.83	9.46	11.98
80	5.75	7.01	6.44	6.24	6.75	8.70	6.97	8.77	7.03	8.86
85	4.64	5.01	4.71	5.82	5.07	6.23	5.11	6.28	5.14	6.29
90	3.47	3.55	3.47	4.03	3.81	4.38	3.81	4.38	3.81	4.38
95	2.97	2.63	2.97	3.14	3.14	3.29	3.14	3.29	3.14	3.29

(a) The average number of years of life remaining to persons who reach a specified age and are subject to the mortality conditions of the years shown. The populations used in the calculation of these figures are those based on the concept of 'estimated resident population', as defined in the Glossary of Terms. All figures are based on Annual Life Tables calculated by the Australian Bureau of Statistics. These tables are not constructed according to strict actuarial principles, and consequently, it is recommended that they not be used for actuarial purposes. Those wishing to use life tables for actuarial purposes are advised to refer to the official Life Tables prepared by the Australian Government Actuary, published in 1991.

TABLE 7 — DEATHS : NUMBERS AND RATES BY STATISTICAL LOCAL AREA OF USUAL RESIDENCE
SOUTH AUSTRALIA, 1993

STATISTICAL DIVISION			STATISTICAL DIVISION		
Subdivision and Statistical local area	Number	Rate(a)	Subdivision and Statistical local area	Number	Rate(a)
ADELAIDE —	8,464	7.9	YORKE AND LOWER NORTH —	484	10.8
<i>Northern</i>	1,758	5.3	<i>Yorke</i>	306	12.4
Elizabeth (C)	216	7.6	Bute (DC)	4	3.7
Enfield (C) Pt A	438	9.6	Central Yorke Peninsula (DC)(b)	49	9.3
Gawler (M)	144	8.6	Minlaton (DC)	34	13.8
Munno Para (C)	127	3.6	Northern Yorke Peninsula(DC)	99	12.4
Salisbury (C)	487	4.4	Port Broughton (DC)	23	16.3
Tea Tree Gully (C)	346	3.7	Walleroo (M)	46	19.9
<i>Western</i>	2,101	10.0	Warooka (DC)	11	10.0
Enfield (C) Pt B	181	10.9	Yorke town (DC)	40	13.0
Henley & Grange (C)	160	11.0	<i>Lower North</i>	178	9.0
Hindmarsh (M)	131	15.3	Blyth-Snowtown (DC)	17	7.9
Port Adelaide (C)	383	9.8	Burra Burra (DC)	28	13.1
Thebarton (M)	68	8.8	Clare (DC)	31	7.5
West Torrens (C)	495	11.3	Eudunda (DC)	12	8.6
Woodville (C)	683	8.5	Riverton (DC)	20	12.3
<i>Eastern</i>	2,339	10.8	Robertstown (DC)	3	3.6
Adelaide (C)	164	14.3	Saddledworth & Auburn (DC)	13	5.8
Burnside (C)	425	10.8	Spalding (DC)	7	13.5
Campbelltown (C)	381	8.4	Wakefield Plains (DC)	47	9.7
East Torrens (DC)	24	3.5			
Kensington & Norwood (C)	150	16.6	MURRAY LANDS —	504	7.5
Payneham (C)	203	12.7	<i>Riverland</i>	250	7.3
Prospect (C)	190	9.9	Barmera (DC)	38	8.4
St Peters (M)	108	13.1	Berri (DC)	48	6.9
Stirling (DC)	76	4.4	Browns Well (DC)	1	3.8
Unley (C)	535	14.6	Loxton (DC)	58	8.1
Walkerville (M)	83	12.0	Morgan (DC)	13	10.7
<i>Southern</i>	2,266	7.2	Paringa (DC)	6	3.9
Brighton (C)	279	14.5	Renmark (M)	50	6.5
Glenelg (C)	208	16.2	Waikerie (DC)	36	7.6
Happy Valley (C)	95	2.5	Unincorporated Riverland	—	n.a.
Marion (C)	656	8.5			
Mitcham (C)	566	9.0	<i>Murray Mallee</i>	254	7.8
Noarlunga (C)	386	4.3	Coonahpyn Downs (DC)	8	5.2
Willunga (DC)	76	5.4	Karoonda - East Murray (DC)	6	4.3
			Lameroo (DC)	14	10.7
OUTER ADELAIDE —	680	6.8	Mannum (DC)	38	12.3
<i>Barossa</i>	250	6.2	Meningie (DC)	28	6.9
Angaston (DC)	57	8.1	Murray Bridge (DC)	129	7.8
Barossa (DC)	22	4.4	Peake (DC)	3	3.3
Gumeracha (DC)	27	4.3	Pinnaroo (DC)	8	7.2
Kapunda (DC)	22	6.6	Ridley-Truro (DC)	20	6.9
Light (DC)	25	4.4			
Mallala (DC)	31	4.7	SOUTH EAST —	469	7.6
Mount Pleasant (DC)	11	4.6	<i>Upper South East</i>	151	8.0
Tanunda (DC)	55	13.7	Lacepede (DC)	16	6.6
<i>Kangaroo Island</i>	26	6.3	Lucindale (DC)	7	4.8
Dudley (DC)	5	7.0	Naracoorte (M)	55	11.6
Kingscote (DC)	21	6.2	Naracoorte (DC)	7	3.7
<i>Onkaparinga</i>	154	5.4	Robe (DC)	13	10.2
Mount Barker (DC)	111	5.5	Tatiara (DC)	53	7.6
Onkaparinga (DC)	43	5.3			
<i>Fleurieu</i>	250	9.4	<i>Lower South East</i>	318	7.4
Port Elliot & Goolwa (DC)	76	9.8	Beachport (DC)	2	1.2
Strathalbyn (DC)	57	8.5	Millicent (DC)	66	8.3
Victor Harbor (DC)	95	11.0	Mount Gambier (C)	183	8.2
Yankalilla (DC)	22	6.2	Mount Gambier (DC)	23	4.5
			Penola (DC)	29	8.4
			Port MacDonnell (DC)	15	5.9

See footnotes at end of table.

TABLE 7 — DEATHS : NUMBERS AND RATES BY STATISTICAL LOCAL AREA OF USUAL RESIDENCE
SOUTH AUSTRALIA, 1993 —continued

STATISTICAL DIVISION			STATISTICAL DIVISION		
Subdivision and			Subdivision and		
Statistical local area	Number	Rate(a)	Statistical local area	Number	Rate(a)
EYRE —	268	8.1	Pirie	260	9.4
Lincoln	219	8.2	Crystal Brook-Redhill (DC)	27	12.3
Cleve (DC)	15	7.4	Hallett (DC)	3	4.9
Elliston (DC)	10	7.8	Jamestown (DC)	12	5.3
Franklin Harbor (DC)	10	8.0	Orroroo (DC)	15	15.1
Kimba (DC)	13	9.8	Peterborough (M)	25	11.8
Le Hunte (DC)	6	3.5	Peterborough (DC)	2	5.9
Lower Eyre Peninsula (DC)(c)	15	3.8	Pirie (DC)	5	3.5
Port Lincoln (C)	125	10.0	Port Pirie (C)	148	10.0
Tumby Bay (DC)	25	9.2	Rocky River(DC)	21	8.6
West Coast	49	8.0	Unincorporated Pirie	2	5.0
Murat Bay (DC)	30	8.5	Flinders Ranges	170	7.7
Streaky Bay (DC)	12	6.3	Carrieton (DC)	3	16.0
Unincorporated West Coast	7	10.0	Hawker (DC)	6	11.5
NORTHERN —	632	7.4	Kanyaka - Quorn (DC)	14	10.1
Whyalla	160	6.3	Mount Remarkable (DC)	17	5.4
Whyalla (C)	158	6.3	Port Augusta (C)	124	8.4
Unincorporated Whyalla	2	4.8	Unincorporated Flinders Ranges	6	2.7
			Far North	42	4.1
			Coober Pedy (DC)	14	6.2
			Roxby Downs (M)	2	0.8
			Unincorporated Far North	26	4.6
			TOTAL SOUTH AUSTRALIA(d)	11,528	7.9

(a) Number of deaths per 1,000 of the mid-year population. (b) Includes Unincorporated Yorke. (c) Includes Unincorporated Lincoln. (d) Includes usual residence not stated, overseas, and of no fixed abode.

TABLE 8 — DEATHS: NUMBERS, PROPORTIONS AND RATES FOR LEADING CAUSES (a), BY SEX, SOUTH AUSTRALIA, 1993

<i>Particulars</i>	<i>Heart disease</i>	<i>Malignant neoplasms (cancer)</i>	<i>Cerebro-vascular disease (incl. stroke)</i>	<i>Respiratory system diseases</i>	<i>Motor vehicle traffic accidents</i>	<i>Suicide</i>	<i>All causes</i>
Numbers							
Males	1,865	1,638	507	508	147	132	6,015
Females	1,768	1,329	751	372	62	34	5,513
Persons	3,633	2,967	1,258	880	209	166	11,528
Proportions by sex (%)							
Males	51.3	55.2	40.3	57.7	70.3	79.5	52.2
Females	48.7	44.8	59.7	42.3	29.7	20.5	47.8
Persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Proportions by cause of death (%)							
Males	31.0	27.2	8.4	8.4	2.4	2.2	100.0
Females	32.1	24.1	13.6	6.7	1.1	0.6	100.0
Persons	31.5	25.7	10.9	7.6	1.8	1.4	100.0
Crude death rates (b)							
Males	256.8	225.5	69.8	69.9	20.2	18.2	828.1
Females	239.9	180.4	101.9	50.5	8.4	4.6	748.2
Persons	248.3	202.8	86.0	60.1	14.3	11.3	787.9
Standardised death rates (c)							
South Australia	208.7	177.3	71.0	50.6	14.3	11.1	677.2
Australia	201.8	180.1	65.1	50.3	11.1	11.7	663.4

(a) Comprising the following: heart disease (ICD codes 393-398, 402, 404, 410-416, 420-429); malignant neoplasms (cancer) (ICD codes 140-208); cerebrovascular disease (ICD codes 430-438); respiratory system diseases (ICD codes 460-519); motor vehicle traffic accidents (ICD codes E810-E819) and suicide (ICD codes E950-E959). (b) Number of deaths per 100,000 mean population. (c) Deaths per 100,000 population, standardised for age and sex using the 1991 Australian population as the standard population.

TABLE 9 — DEATHS: LEADING CAUSES (a) BY STATISTICAL DIVISION OF USUAL RESIDENCE, NUMBERS, PROPORTIONS AND RATES, SOUTH AUSTRALIA, 1993

<i>Statistical division</i>	<i>Heart disease</i>	<i>Malignant neoplasms (cancer)</i>	<i>Cerebro-vascular disease (incl. stroke)</i>	<i>Respiratory system diseases</i>	<i>Motor vehicle traffic accidents</i>	<i>Suicide</i>	<i>All causes</i>
NUMBERS							
Adelaide	2,677	2,195	980	635	125	116	8,464
Outer Adelaide	218	167	77	48	17	15	680
Yorke and Lower North	153	125	47	43	9	7	484
Murray Lands	151	119	50	39	16	12	504
South East	156	125	40	41	11	5	469
Eyre	83	70	23	18	11	1	268
Northern	189	161	38	56	17	10	632
South Australia(c)	3,633	2,967	1,258	880	209	166	11,528
PROPORTIONS (PER CENT)							
Adelaide	31.6	25.9	11.6	7.5	1.5	1.4	100.0
Outer Adelaide	32.1	24.6	11.3	7.1	2.5	2.2	100.0
Yorke and Lower North	31.6	25.8	9.7	8.9	1.9	1.4	100.0
Murray Lands	30.0	23.6	9.9	7.7	3.2	2.4	100.0
South East	33.3	26.7	8.5	8.7	2.3	1.1	100.0
Eyre	31.0	26.1	8.6	6.7	4.1	0.4	100.0
Northern	29.9	25.5	6.0	8.9	2.7	1.6	100.0
South Australia	31.5	25.7	10.9	7.6	1.8	1.4	100.0
RATES (d)							
Adelaide	249.9	204.9	91.5	59.3	11.7	10.8	790.2
Outer Adelaide	218.9	167.7	77.3	48.2	17.1	15.1	682.7
Yorke and Lower North	342.8	280.1	105.3	96.3	20.2	15.7	1084.5
Murray Lands	225.5	177.7	74.7	58.2	23.9	17.9	752.6
South East	251.7	201.7	64.5	66.2	17.7	8.1	756.8
Eyre	252.0	212.5	69.8	54.6	33.4	3.0	813.6
Northern	220.6	187.9	44.4	65.4	19.8	11.7	737.7
South Australia	248.4	202.8	86.0	60.2	14.3	11.3	788.0

(a) Comprising the following: heart disease (ICD codes 393-398, 402, 404, 410-416, 420-429); malignant neoplasms (cancer) (ICD codes 140-208); cerebrovascular disease (ICD codes 430-438); respiratory system diseases (ICD codes 460-519); motor vehicle traffic accidents (ICD codes E810-E819) and suicide (ICD codes E950-E959). (c) Includes usual residence not stated, overseas, and of no fixed abode. (d) Preliminary. Numbers of deaths per 100,000 mid-year population. These crude death rates do not take account of the differing age and sex distributions that exist in various areas. For example, areas with a high proportion of aged persons are likely to show higher crude death rates while areas with a relatively younger population will usually show lower death rates.

TABLE 10 — DEATHS: CAUSE BY SEX, SOUTH AUSTRALIA

Cause of death and ICD code (Classes and selected categories)		1991		1992		1993	
		Males	Females	Males	Females	Males	Females
<i>Class I</i>	<i>Infectious and parasitic diseases (001-139)</i>	28	32	34	32	36	45
<i>Class II</i>	<i>Neoplasms (140-239)</i>	1,598	1,326	1,581	1,210	1,659	1,354
	Malignant neoplasms (cancer) (140-208)	1,585	1,312	1,564	1,198	1,638	1,329
	Lip, oral cavity and pharynx (140-149)	44	16	41	12	34	14
	Stomach (151)	78	33	75	39	71	45
	Colon (153)	125	129	121	101	137	135
	Pancreas (157)	59	66	69	62	65	66
	Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	157	164	173	141	178	161
	Respiratory and intrathoracic organs (160-165)	492	174	453	151	434	138
	Melanoma of skin (172)	29	27	25	24	35	17
	Breast (174, 175)	1	234	1	214	2	264
	Genitourinary organs (179-189)	275	178	303	175	357	166
	Other and unspecified sites (170-171, 173, 190-199)	167	148	158	164	178	167
	Lymphatic and haematopoietic tissue (200-208)	158	143	145	115	147	156
<i>Class III</i>	<i>Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>	153	122	114	140	181	158
	Diabetes mellitus (250)	115	92	79	109	118	120
<i>Class IV</i>	<i>Diseases of blood and blood-forming organs (280-289)</i>	15	17	10	17	17	13
<i>Class V</i>	<i>Mental disorders (290-319)</i>	57	84	66	90	118	138
<i>Class VI</i>	<i>Diseases of the nervous system and sense organs (320-389)</i>	89	109	109	111	107	152
<i>Class VII</i>	<i>Diseases of the circulatory system (390-459)</i>	2,643	2,608	2,496	2,576	2,581	2,702
	All heart disease (393-398, 402, 404, 410-416, 420-429)	1,951	1,735	1,857	1,735	1,865	1,768
	Acute myocardial infarction (410)	1,169	950	1,101	905	1,050	888
	Other ischaemic heart disease (411-414)	509	413	455	432	519	461
	Cerebrovascular disease (incl. stroke) (430-438)	484	699	426	653	507	751
<i>Class VIII</i>	<i>Diseases of the respiratory system (460-519)</i>	504	361	583	399	508	372
	Pneumonia and influenza (480-487)	139	192	128	165	90	124
	Chronic obstructive pulmonary disease and allied conditions (490-496)	324	125	400	180	356	188
<i>Class IX</i>	<i>Diseases of the digestive system (520-579)</i>	214	186	188	163	184	153
	Ulcer of stomach and duodenum (531-533)	47	49	40	33	24	36
	Chronic liver disease and cirrhosis (571)	71	21	71	27	55	22
<i>Class X</i>	<i>Diseases of the genitourinary system (580-629)</i>	74	88	70	78	72	105
	Nephritis, nephrotic syndrome and nephrosis (580-589)	40	53	38	44	48	79
<i>Class XI</i>	<i>Complications of pregnancy, childbirth and the puerperium (630-676)</i>	—	1	—	—	—	1
<i>Class XII</i>	<i>Diseases of the skin and subcutaneous tissue (680-709)</i>	4	5	8	7	6	6
<i>Class XIII</i>	<i>Diseases of the musculoskeletal system and connective tissue (710-739)</i>	15	40	14	29	15	39
<i>Class XIV</i>	<i>Congenital anomalies (740-759)</i>	21	25	23	22	29	23
<i>Class XV</i>	<i>Certain conditions originating in the perinatal period (760-779)</i>	28	19	35	18	24	17
<i>Class XVI</i>	<i>Symptoms, signs and ill-defined conditions (780-799)</i>	22	20	27	33	30	28
<i>Class XVII</i>	<i>Accidents, poisonings and violence (external causes) (E800-E999)</i>	459	209	454	188	448	207
	Motor vehicle traffic accidents (E810-E819)	155	59	105	68	147	62
	Accidental drowning and submersion (E910)	9	7	16	4	23	5
	Suicide (E950-E959)	172	59	165	48	132	34
All causes		5,924	5,252	5,812	5,113	6,015	5,513

TABLE 11 — DEATHS: CAUSE BY SEX AND AGE GROUP, SOUTH AUSTRALIA, 1993

Cause of death and ICD code (Classes and selected categories)		Age group (years)											Total
		Sex	Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
Class I	Infectious and parasitic diseases (001-139)	M	2	1	2	5	—	—	7	8	7	4	36
		F	1	1	—	3	1	3	8	3	7	18	45
Class II	Neoplasms (140-239)	M	2	6	4	49	92	288	566	290	207	155	1,659
		F	1	4	5	61	114	207	401	207	175	179	1,354
	Malignant neoplasms (cancer) (140-208)	M	2	6	4	48	92	286	563	287	202	148	1,638
		F	1	4	4	61	114	206	396	202	169	172	1,329
	Lip, oral cavity and pharynx (140-149)	M	—	—	—	—	5	9	12	5	2	1	34
		F	—	—	—	1	—	2	6	1	2	2	14
	Stomach (151)	M	—	—	—	1	3	17	24	12	6	8	71
		F	—	—	—	3	3	8	12	9	6	4	45
	Colon (153)	M	—	—	—	2	13	30	45	24	14	9	137
		F	—	—	—	3	9	17	35	22	23	26	135
	Pancreas (157)	M	—	—	—	3	7	10	22	13	5	5	65
		F	—	—	—	—	1	5	25	13	12	10	66
	Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	M	—	—	—	5	9	39	61	28	21	15	178
		F	—	—	—	2	10	20	52	25	25	27	161
	Respiratory and intrathoracic organs (160-165)	M	—	—	—	5	20	98	181	65	41	24	434
		F	—	—	—	2	8	31	47	28	13	9	138
	Melanoma of skin (172)	M	—	—	2	2	6	4	11	3	2	5	35
		F	—	—	—	2	3	2	—	4	5	1	17
	Breast (174, 175)	M	—	—	—	—	—	—	1	—	1	—	2
		F	—	—	—	19	43	59	70	23	21	29	264
	Genitourinary organs (179-189)	M	—	—	—	3	5	23	109	86	74	57	357
		F	—	—	—	10	13	18	58	25	20	22	166
	Other and unspecified sites (170-171, 173, 190-199)	M	1	3	—	15	17	32	56	29	17	8	178
		F	1	3	2	9	13	20	48	26	18	27	167
	Lymphatic and haematopoietic tissue (200-208)	M	1	3	2	12	7	24	41	22	19	16	147
		F	—	1	2	10	11	24	43	26	24	15	156
Class III	Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	1	2	3	25	12	33	46	25	19	15	181
		F	—	2	2	5	7	15	33	20	45	29	158
	Diabetes mellitus (250)	M	—	—	1	4	5	23	38	20	16	11	118
		F	—	—	—	—	5	13	26	15	37	24	120
Class IV	Diseases of blood and blood-forming organs (280-289)	M	—	—	—	1	—	1	2	6	2	5	17
		F	—	—	—	—	—	—	2	1	2	8	13
Class V	Mental disorders (290-319)	M	—	—	3	22	7	6	11	17	28	24	118
		F	—	—	2	3	—	4	13	16	28	72	138
Class VI	Diseases of the nervous system and sense organs (320-389)	M	1	4	6	7	4	7	28	18	12	20	107
		F	—	4	7	8	9	9	22	20	27	46	152

TABLE 11 — DEATHS: CAUSE BY SEX AND AGE GROUP, SOUTH AUSTRALIA, 1993—continued

Cause of death and ICD code (Classes and selected categories)	Sex	Age group (years)										Total
		Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
Class VII Diseases of the circulatory system (390-459)												
All heart disease (393-398, 402, 404, 410-416, 420-429)	M	—	—	1	44	85	269	777	479	472	454	2,581
	F	—	3	4	16	20	101	432	448	593	1,083	2,702
Acute myocardial infarction (410)	M	—	—	—	38	66	228	596	321	318	298	1,865
	F	—	3	3	12	13	76	309	287	381	684	1,768
Other ischaemic heart disease (411-414)	M	—	—	—	20	41	140	356	185	174	134	1,050
	F	—	—	—	3	6	46	191	158	190	204	888
Cerebrovascular disease (incl. stroke) (430-438)	M	—	—	—	11	15	58	168	90	88	89	519
	F	—	—	—	3	5	18	73	70	101	191	461
	M	—	—	—	5	15	27	118	109	117	116	507
	F	—	—	1	3	7	20	96	128	174	322	751
Class VIII Diseases of the respiratory system (460-519)												
Pneumonia and influenza (480-487)	M	—	2	4	8	10	38	148	99	90	109	508
	F	—	1	2	8	8	25	64	68	62	134	372
Chronic obstructive pulmonary disease and allied conditions (490-496)	M	—	—	—	3	3	6	23	12	14	29	90
	F	—	—	—	3	3	3	10	15	21	69	124
	M	—	2	4	4	5	29	109	77	65	61	356
	F	—	—	2	4	5	20	41	47	31	38	188
Class IX Diseases of the digestive system (520-579)												
Ulcer of stomach and duodenum (531-533)	M	—	—	—	10	17	23	43	32	28	31	184
	F	—	1	2	5	2	15	20	33	26	49	153
Chronic liver disease and cirrhosis (571)	M	—	—	—	—	—	1	5	7	4	7	24
	F	—	—	—	—	—	—	4	5	7	14	36
	M	—	—	—	7	14	15	15	2	2	—	55
	F	—	—	1	3	1	7	5	2	1	2	22
Class X Diseases of the genitourinary system (580-629)												
Nephritis, nephrotic syndrome and nephrosis (580-589)	M	—	—	—	2	1	2	14	9	20	24	72
	F	—	—	—	—	2	3	14	18	25	43	105
Class XI Complications of pregnancy, childbirth and the puerperium (630-676)												
Diseases of the skin and subcutaneous tissue (680-709)	M	—	—	—	1	—	—	—	—	—	—	1
	F	—	—	—	—	—	2	2	1	—	1	6
Class XII Diseases of the musculoskeletal system and connective tissue (710-739)												
Congenital anomalies (740-759)	M	—	—	—	—	1	2	3	1	6	2	15
	F	—	—	1	1	1	3	8	7	9	9	39
	M	16	5	3	3	—	1	1	—	—	—	29
	F	13	3	2	2	1	1	1	—	—	—	23

TABLE 11 — DEATHS: CAUSE BY SEX AND AGE GROUP, SOUTH AUSTRALIA, 1993—continued

Cause of death and ICD code (Classes and selected categories)		Age group (years)											85 and over	Total
		Sex	Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84			
Class XV	Certain conditions originating in the perinatal period (760-779)	M	24	—	—	—	—	—	—	—	—	—	—	24
		F	17	—	—	—	—	—	—	—	—	—	—	17
Class XVI	Symptoms, signs and ill-defined conditions (780-799)	M	11	1	3	3	4	2	—	1	2	3	30	
		F	10	—	—	—	—	2	2	—	2	12	28	
Class XVII	Accidents, poisonings and violence (external causes) (E800-E999)	M	2	27	86	161	49	28	38	19	20	18	448	
		F	3	5	28	58	20	16	25	10	24	18	207	
	Motor vehicle traffic accidents (E810-E819)	M	—	8	53	50	12	3	4	9	6	2	147	
		F	—	3	16	20	5	6	8	3	1	—	62	
	Accidental drowning and submersion (E910)	M	—	8	2	7	1	2	3	—	—	—	23	
		F	—	1	—	1	1	—	2	—	—	—	5	
	Suicide (E950-E959)	M	—	—	18	58	23	12	12	3	5	1	132	
		F	—	—	3	18	4	3	2	1	3	—	34	
All causes		M	59	48	115	340	282	700	1,688	1,004	914	865	6,015	
	F	45	24	55	173	185	406	1,047	852	1,025	1,701	5,513		

TABLE 12 — DEATHS: NUMBERS, PROPORTIONS AND RATES FOR AGE GROUPS, BY SELECTED CAUSES AND SEX, SOUTH AUSTRALIA

Age group, cause of death and ICD code.	1993		Rate (a)		
	Number	Proportion (b) per cent	1991 r	1992 r	1993
MALES					
<i>Under 1 year</i>					
All causes	59	100.0	6.4	6.8	5.8
Congenital anomalies (740-759)	16	27.1	1.4	1.3	1.6
Certain conditions originating in the perinatal period (760-779)	24	40.7	2.8	3.5	2.3
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	10	16.9	0.7	0.6	1.0
Symptoms, signs and ill-defined conditions (780-799)	11	18.6	1.4	1.4	1.1
Sudden death, cause unknown (798)	11	18.6	1.4	1.4	1.1
<i>1-14 years</i>					
All causes	48	100.0	10.5	18.7	33.2
Malignant neoplasms (cancer) (140-208)	6	12.5	2.8	3.5	4.2
Diseases of nervous system and sense organs (320-389)	4	8.3	0.7	2.1	2.8
Accidents, poisonings and violence (E800-E999)	27	56.3	6.3	10.4	18.7
Motor vehicle traffic accidents (E810-E819)	8	16.7	0.7	4.2	5.5
Accidents caused by submersion, suffocation and foreign bodies (E910-E915)	11	22.9	2.8	4.2	7.6
<i>15-24 years</i>					
All causes	115	100.0	126.3	98.1	103.6
Accidents, poisonings and violence (E800-E999)	86	74.8	109.6	81.3	77.5
Motor vehicle traffic accidents (E810-E819)	53	46.1	53.5	25.6	47.8
Suicide (E950-E959)	18	15.7	36.0	28.3	16.2
<i>25-44 years</i>					
All causes	340	100.0	148.7	139.1	149.8
Malignant neoplasms (cancer) (140-208)	48	14.1	24.3	18.1	21.1
Diseases of the circulatory system (390-459)	44	12.9	16.3	17.6	19.4
Accidents, poisonings and violence (E800-E999)	161	47.4	79.4	75.7	70.9
Motor vehicle traffic accidents (E810-E819)	50	14.7	22.5	17.2	22.0
Suicide (E950-E959)	58	17.1	35.7	30.8	25.5
<i>45-54 years</i>					
All causes	282	100.0	393.0	384.5	328.8
Malignant neoplasms (cancer) (140-208)	92	32.6	134.0	129.8	107.3
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	20	7.1	37.0	27.9	23.3
Diseases of the circulatory system (390-459)	85	30.1	146.7	123.7	99.1
Acute myocardial infarction (410)	41	14.5	63.8	66.7	47.8
Accidents, poisonings and violence (E800-E999)	49	17.4	51.0	70.4	57.1
<i>55-64 years</i>					
All causes	700	100.0	1,125.3	1,139.9	1,096.1
Malignant neoplasms (cancer) (140-208)	286	40.9	422.8	431.2	447.8
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	98	14.0	167.6	156.6	153.5
Diseases of the circulatory system (390-459)	269	38.4	476.6	477.7	421.2
Acute myocardial infarction (410)	140	20.0	239.8	245.0	219.2
<i>65-74 years</i>					
All causes	1,688	100.0	3,104.6	3,000.6	3,091.8
Malignant neoplasms (cancer) (140-208)	563	33.4	1,043.8	1,039.4	1,031.2
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	181	10.7	353.1	362.7	331.5
Diseases of the circulatory system (390-459)	777	46.0	1,425.7	1,346.0	1,423.2
Acute myocardial infarction (410)	356	21.1	719.5	659.9	652.1
<i>75 years and over</i>					
All causes	2,783	100.0	9,778.4	9,236.3	9,461.2
Malignant neoplasms (cancer) (140-208)	637	22.9	2,161.7	1,996.0	2,165.6
Diseases of the circulatory system (390-459)	1,405	50.5	5,176.6	4,641.0	4,776.5
Acute myocardial infarction (410)	493	17.7	2,089.4	1,817.1	1,676.0
Other ischaemic heart disease (411-414)	267	9.6	950.7	838.4	907.7
Cerebrovascular disease (incl. stroke) (430-438)	342	12.3	1,164.0	1,027.8	1,162.7
Diseases of the respiratory system (460-519)	298	10.7	1,098.9	1,322.5	1,013.1
<i>Total all ages</i>					
All causes	6,015	100.0	825.5	803.6	828.1
Malignant neoplasms (cancer) (140-208)	1,638	27.2	220.9	216.2	225.5
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	434	7.2	68.6	62.6	59.7
Malignant neoplasms of genitourinary organs (179-189)	357	5.9	38.3	41.9	49.1
Diseases of the circulatory system (390-459)	2,581	42.9	368.3	345.1	355.3
Acute myocardial infarction (410)	1,050	17.5	162.9	152.2	144.6
Other ischaemic heart disease (411-414)	519	8.6	70.9	62.9	71.4
Cerebrovascular disease (incl. stroke) (430-438)	507	8.4	67.4	58.9	69.8
Diseases of the respiratory system (460-519)	508	8.4	70.2	80.6	69.9
Chronic obstructive pulmonary disease and allied conditions (490-496)	356	5.9	45.1	55.3	49.0
Accidents, poisonings and violence (E800-E999)	448	7.4	64.0	62.8	61.7

See footnotes at end of table.

TABLE 12 — DEATHS: NUMBERS, PROPORTIONS AND RATES FOR AGE GROUPS, BY SELECTED CAUSES AND SEX, SOUTH AUSTRALIA—continued

Age group, cause of death and ICD code.	1993		Rate (a)		
	Number	Proportion(b) per cent	1991 r	1992 r	1993
FEMALES					
<i>Under 1 year</i>					
All causes	45	100.0	4.6	5.2	4.6
Congenital anomalies (740-759)	13	28.9	1.2	1.3	1.3
Certain conditions originating in the perinatal period (760-779)	17	37.8	2.0	1.9	1.7
Disorders relating to short gestation and unspecified low birthweight (765)	7	15.6	0.7	0.6	0.7
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	2	4.4	0.7	0.6	0.2
Symptoms, signs and ill-defined conditions (780-799)	10	22.2	1.0	1.3	1.0
Sudden death, cause unknown (798)	10	22.2	1.0	1.3	1.0
<i>1-14 years</i>					
All causes	24	100.0	16.9	21.2	17.6
Malignant neoplasms (cancer) (140-208)	4	16.7	—	4.4	2.9
Diseases of the nervous system and sense organs (320-389)	4	16.7	0.7	2.2	2.9
Congenital anomalies (740-759)	3	12.5	2.9	2.2	2.2
Accidents, poisonings and violence (E800-E999)	5	20.8	8.8	8.8	3.7
Motor vehicle traffic accidents (E810-E819)	3	12.5	2.9	5.9	2.2
<i>15-24 years</i>					
All causes	55	100.0	50.6	39.9	52.0
Malignant neoplasms (cancer) (140-208)	4	7.3	9.2	2.8	3.8
Accidents, poisonings and violence (E800-E999)	28	50.9	32.2	23.2	26.5
Motor vehicle traffic accidents (E810-E819)	16	29.1	12.9	12.1	15.1
Suicide (E950-E959)	3	5.5	6.4	4.6	2.8
<i>25-44 years</i>					
All causes	173	100.0	81.7	71.1	77.0
Malignant neoplasms (cancer) (140-208)	61	35.3	32.9	26.7	27.2
Malignant neoplasms of breast (174)	19	11.0	12.4	6.2	8.5
Diseases of the circulatory system (390-459)	18	10.4	6.7	8.4	8.0
Accidents, poisonings and violence (E800-E999)	58	33.5	26.7	24.9	25.8
Motor vehicle traffic accidents (E810-E819)	20	11.6	8.4	9.3	8.9
Suicide (E950-E959)	18	10.4	12.4	9.8	8.0
<i>45-54 years</i>					
All causes	185	100.0	229.1	242.9	219.0
Malignant neoplasms (cancer) (140-208)	114	61.6	139.8	125.7	135.0
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	8	4.3	16.8	9.9	9.5
Malignant neoplasms of breast (174)	43	23.2	42.7	46.8	50.9
Malignant neoplasms of genitourinary organs (179-189)	13	7.0	18.1	19.7	15.4
Diseases of the circulatory system (390-459)	20	10.8	41.4	45.6	23.7
Acute myocardial infarction (410)	6	3.2	14.2	14.8	7.1
Cerebrovascular disease (incl. stroke) (430-438)	7	3.8	14.2	14.8	8.3
Accidents, poisonings and violence (E800-E999)	20	10.8	18.1	25.9	23.7
<i>55-64 years</i>					
All causes	406	100.0	611.7	602.9	632.0
Malignant neoplasms (cancer) (140-208)	206	50.7	331.1	295.3	320.7
Malignant neoplasms of breast (174)	59	14.5	62.9	64.9	91.8
Diseases of the circulatory system (390-459)	101	24.9	174.8	197.9	157.2
Acute myocardial infarction (410)	46	11.3	78.2	83.5	71.6
<i>65-74 years</i>					
All causes	1,047	100.0	1,688.9	1,556.8	1,680.0
Malignant neoplasms (cancer) (140-208)	396	37.8	643.5	563.3	635.4
Diseases of the circulatory system (390-459)	432	41.3	706.3	618.5	693.2
Acute myocardial infarction (410)	191	18.2	306.0	259.7	306.5
Cerebrovascular disease (incl. stroke) (430-438)	96	9.2	135.6	136.4	154.0
<i>75 years and over</i>					
All causes	3,578	100.0	7,203.5	6,878.5	7,268.2
Malignant neoplasms (cancer) (140-208)	543	15.2	1,107.7	1,021.5	1,103.0
Diseases of the circulatory system (390-459)	2,124	59.4	4,342.8	4,194.9	4,314.6
Acute myocardial infarction (410)	642	17.9	1,499.2	1,415.1	1,304.1
Other ischaemic heart disease (411-414)	362	10.1	686.2	718.0	735.4
Cerebrovascular disease (incl. stroke) (430-438)	624	17.4	1,251.9	1,105.2	1,267.6
<i>Total all ages</i>					
All causes	5,513	100.0	720.8	696.7	748.2
Malignant neoplasms (cancer) (140-208)	1,329	24.1	180.1	163.2	180.4
Diseases of the circulatory system (390-459)	2,702	49.0	357.9	351.0	366.7
Acute myocardial infarction (410)	888	16.1	130.4	123.3	120.5
Other ischaemic heart disease (411-414)	461	8.4	56.7	58.9	62.6
Cerebrovascular disease (incl. stroke) (430-438)	751	13.6	95.9	89.0	101.9
Diseases of the respiratory system (460-519)	372	6.7	49.5	54.4	50.5

(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; deaths per 100,000 of mean resident population for Total all ages. (b) Of all deaths of the same age and sex.

TABLE 13. PERINATAL DEATHS: FETAL, NEONATAL AND PERINATAL DEATHS, NUMBER AND RATE BY SEX
SOUTH AUSTRALIA

Year	Fetal deaths			Neonatal deaths			Perinatal deaths		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
NUMBER									
1988	64	45	109	54	30	84	118	75	193
1989	70	57	127	41	31	72	111	88	199
1990	76	39	115	45	44	89	121	83	204
1991	52	52	104	29	25	54	81	77	158
1992	58	53	111	25	21	46	83	74	157
1993	57	39	96	35	23	58	92	62	154
RATE(a)									
1988	6.4	4.9	5.7	5.4	3.3	4.4	11.8	8.1	10.0
1989	6.9	6.0	6.4	4.0	3.3	3.7	10.9	9.3	10.1
1990	7.4	4.0	5.8	4.4	4.5	4.5	11.8	8.5	10.2
1991	5.1	5.5	5.3	2.9	2.6	2.7	7.9	8.1	8.0
1992	5.8	5.6	5.7	2.5	2.2	2.4	8.3	7.9	8.1
1993	5.5	3.9	4.8	3.4	2.3	2.9	8.9	6.3	7.6

(a) See the Explanatory Notes for definitions of fetal death rate, neonatal death rate and perinatal death rate.

TABLE 14 — PERINATAL DEATHS: FETAL, NEONATAL AND PERINATAL DEATHS, MAIN CAUSE OR CONDITION
IN FETUS/INFANT AND MOTHER, SOUTH AUSTRALIA

	1993					1992
			Perinatal deaths			
Cause of death	Fetal deaths	Neonatal deaths	Males	Females	Persons	Perinatal deaths
Main condition in fetus/infant	96	58	92	62	154	157
Slow fetal growth, fetal malnutrition and immaturity (764,765)	11	9	13	7	20	13
Birth trauma (767)	—	3	2	1	3	—
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	20	10	17	13	30	32
Fetal and neonatal haemorrhage (772)	6	1	3	4	7	6
Haemolytic disease of fetus and newborn (773)	—	1	—	1	1	1
Other conditions originating in the perinatal period (766, 771, 774-779)	49	8	35	22	57	75
Congenital anomalies (740-759)	10	23	19	14	33	29
All other causes (remainder of 001-999)	—	3	3	—	3	1
Main condition in mother	96	58	92	62	154	157
Maternal conditions which may be unrelated to present pregnancy (760)	10	4	10	4	14	11
Maternal complications of pregnancy (761)	10	10	12	8	20	13
Complications of placenta, cord and membranes (762)	36	9	27	18	45	35
Other complications of labour and delivery (763)	6	1	4	3	7	—
No maternal condition reported	34	34	39	29	68	98

TABLE 15 — PERINATAL DEATHS: FETAL, NEONATAL AND PERINATAL DEATHS, SELECTED DETAILS, SOUTH AUSTRALIA

Particulars	1993					1992
	Fetal deaths	Neonatal deaths	Perinatal deaths			Perinatal deaths
			Males	Females	Persons	
Age at death (a)						
Less than 1 hour	..	58	35	23	58	46
Less than 1 day	..	13	7	6	13	15
Less than 1 week	..	26	14	12	26	30
	..	43	24	19	43	38
Weight at delivery (grams)						
500- 999	96	58	92	62	154	157
1,000-1,999	37	17	34	20	54	48
2,000-2,999	22	11	23	10	33	42
3,000 or more	19	15	18	16	34	26
	16	10	11	15	26	25
Period of gestation (weeks)						
Less than 28	96	58	92	62	154	157
28-36	29	20	30	19	49	56
37-41	44	18	41	21	62	52
42 or more	21	16	16	21	37	44
	—	—	—	—	—	2
Age group of mother (years)						
Less than 20	96	58	92	62	154	157
20-24	3	1	3	1	4	15
25-29	18	14	21	11	32	33
30-34	22	20	25	17	42	46
35-39	32	5	17	20	37	39
40 or more	16	7	14	9	23	19
	2	3	3	2	5	1

(a) Applicable to neonatal deaths only.

TABLE 16 — ABORIGINAL DEATHS : AGE AT DEATH, NUMBER AND PROPORTION,
SOUTH AUSTRALIA, 1993

Age at death (years)	Aboriginal deaths			Total deaths	
	Number			Proportion (per cent)	
	Males	Females	Persons	Persons	Persons
Under 1	5	4	9	8.1	0.9
1-14	5	1	6	5.4	0.6
15-24	5	1	6	5.4	1.5
25-34	11	7	18	16.2	2.0
35-44	9	6	15	13.5	2.4
45-54	8	4	12	10.8	4.1
55-64	7	11	18	16.2	9.6
65 and over	11	16	27	24.3	78.9
Total	61	50	111	100.0	100.0

TABLE 17 — ABORIGINAL DEATHS : MAIN CAUSE OF DEATH, NUMBER AND PROPORTION,
SOUTH AUSTRALIA, 1993

Cause of death	Aboriginal deaths			Total deaths	
	Number			Proportion (per cent)	
	Males	Females	Persons	Persons	Persons
Infectious and parasitic diseases (001-139)	2	1	3	2.7	0.7
Malignant neoplasms (140-208)	2	10	12	10.8	25.7
Diabetes mellitus (250)	3	6	9	8.1	2.1
Diseases of the circulatory system (390-459)	14	15	29	26.1	45.8
Heart disease (393-398,402,404,410-416,420-429)	11	12	23	20.7	31.5
Cerebrovascular disease (430-438)	3	2	5	4.5	10.9
Diseases of the respiratory system (460-519)	7	3	10	9.0	7.6
Chronic liver disease and cirrhosis (571)	5	4	9	8.1	0.7
Congenital anomalies (740-759)	2	1	3	2.7	0.5
Certain conditions originating in the perinatal period (760-779)	2	1	3	2.7	0.4
Accidents, poisonings and violence (E800-E999)	15	6	21	18.9	5.7
Motor vehicle traffic accidents (E810-E819)	7	3	10	9.0	1.8
All other causes	9	3	12	10.8	10.9
Total	61	50	111	100.0	100.0

EXPLANATORY NOTES

1. This is the final edition of *Deaths South Australia*. Some of the information on Deaths statistics is included in *Deaths Australia*, *Causes of Death Australia*, and *Demography South Australia*.

2. The statistics in this publication relate to the deaths of usual residents of South Australia. Similar information for other States and Territories is also available.

3. Registration of deaths is the responsibility of the individual State and Territory Registrars, and is based on information from a relative or other person acquainted with the deceased (or by an official of the institution where the death occurred) and on information certified by a medical practitioner or coroner as to the cause of death. This information is supplied by individual Registrars to the ABS for compilation into the aggregate statistics in this publication.

Definitions

4. Perinatal deaths, included in Tables 13 to 15, comprise fetal deaths and neonatal deaths as defined below.

Fetal death relates to the delivery of a child weighing at least 500 grams at delivery (or, when birthweight is unavailable, of at least 22 weeks gestation) which did not, at any time after delivery, breathe or show any other evidence of life such as a heartbeat.

Neonatal death relates to any child weighing at least 500 grams at delivery (or, when birthweight is unavailable, of at least 22 weeks gestation) who is born alive (as defined under live birth) and who dies within 28 days after birth.

5. In 1993, there were 4 deaths where a child born alive died within 28 days and weighed less than 500 grams at delivery, or, if birthweight was unknown, was of less than 22 weeks gestation. These deaths have been excluded from Tables 13 to 15, in accordance with the above definition of a neonatal death. However, details of these deaths are included in the other tables in this publication.

6. A birth, unless otherwise stated, is a live birth, i.e., the delivery, irrespective of duration of pregnancy, of a child who, after being born, breathes or shows any other evidence of life such as a heartbeat.

7. *Period of gestation*. For perinatal deaths, the 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.

8. The *age-specific death rate* is the number of deaths at a specified age, per 1,000 of the mid-year estimated resident population at that age.

9. In Table 12, the *death rate* for ages is age-sex specific. That is, it represents the number of deaths per 100,000 of the estimated resident population at 30 June in the particular age-sex group.

10. The *crude death rate* is the number of deaths registered during the calendar year per 1,000 of the mean estimated resident population.

11. An *infant death* is the death of a live-born child who died when less than one year old.

12. The *infant mortality rate* is the number of deaths of children under one year of age per 1,000 live births.

13. The *fetal death rate* is the number of fetal deaths per 1,000 live births of babies who weighed at least 500 grams at birth (or of at least 22 weeks gestation, if birthweight was unavailable) plus fetal deaths.

14. The *neonatal death rate* is the number of neonatal deaths per 1,000 live births of babies who weighed at least 500 grams at birth (or of at least 22 weeks gestation, if birthweight was unavailable).

15. The *perinatal death rate* is the number of perinatal deaths per 1,000 live births plus fetal deaths.

16. The *median age at death* is that age which divides the relevant population into two halves, one half being above the median age, and one half below.

17. The *sex ratio* for deaths is the number of male deaths per 100 female deaths.

18. The *crude cause of death rate* is the number of deaths from a specific cause per 100,000 of the mean estimated resident population.

19. The *estimated resident population* (ERP) is the official ABS estimate of the Australian population. The ERP is based on results of the latest population census, and

updated for subsequent births, deaths and overseas and interstate migration.

Year of occurrence and year of registration

20. With the exception of Table 4, the statistics shown in this publication refer to deaths registered during a particular year. There is an interval of varying length between the occurrence and registration of a death. However, most deaths are registered within 6 months of occurrence, and are therefore shown in Table 4.

State of usual residence and State of registration

21. Figures shown in this publication refer to deaths of usual residents of South Australia, regardless of where in Australia the death occurred or was registered. Table 5 shows the number of deaths cross-classified by States or Territories of usual residence and registration. Deaths of people normally resident in South Australia which occurred overseas are excluded from this publication. Deaths of people usually resident overseas which occurred in South Australia are included in the South Australian figures.

22. Perinatal deaths figures have been compiled on the basis of State of usual residence of mother.

23. Deaths statistics on a State of registration basis can be made available on request.

Cause of death classification

24. Causes of death in this publication are classified according to the Ninth (1975) Revision of the World Health Organisation's International Classification of Diseases (ICD) which was adopted for world-wide use from 1979.

25. The cause of death particulars in this publication relate to the underlying cause of death, which the World Health Organisation has defined as the disease or injury which initiated the train of morbid events leading directly to death. Accidental and violent deaths are classified to the circumstances of the accident or violence which produced the fatal injury. Deaths of infants aged less than one month are classified according to the main condition in the infant which contributed to the death.

26. For perinatal deaths, causes have been classified to the main condition in the fetus or infant, and also to the main condition in the mother.

27. All the cause of death tables in this publication show the ICD codes which constitute the causes of death shown, hence the relationships between the various

classifications used can be readily ascertained. The extensive nature of the ICD enables classification of cause of death at fine levels of detail, but in order to present a summary of causes of death, only abridged classifications have been used in this publication.

Aboriginal deaths

28. Tables 16 and 17 present details of causes of death of persons usually resident in South Australia, who were identified as being of Aboriginal or Torres Strait Islander descent. Only deaths identified through the registration process have been counted. Further statistics pertaining to the indigenous population are published in *Demography South Australia* (3311.4).

Geographic boundaries

29. The geographic boundaries for small area data are defined in the *Australian Standard Geographical Classification* (ASGC), Edition 2.4 (1216.0).

30. *Statistical local areas* are the smallest type of spatial unit in the ASGC for which data are presented in this publication. They equate directly with local government areas, with the exception of Enfield which is split into two statistical local areas.

31. *Statistical subdivisions* consist of one or more statistical local areas.

32. *Statistical divisions*, which are groupings of statistical local areas, are designed to be relatively homogeneous regions characterised by identifiable social and economic units with the region.

Tabulation procedures

33. Most of the classifications presented in the tables have a '*not stated*' category to allow for the very small number of cases where the relevant details are not reported. Such categories are included in the totals.

34. *Unknown time of cessation of heartbeat*. For some perinatal deaths, it is not known whether the heart stopped beating before or after delivery. Such cases have been included with fetal deaths.

35. *Indeterminate sex*. For the purposes of tabulation, perinatal deaths of indeterminate sex are included with males.

Standardised death rates

36. The standardised death rates shown in Table 8 for South Australia and Australia have been calculated using the 1991 mean resident Australian population as the standard. The standardised rate obtained may be defined as the overall death rate that would have prevailed if the population being studied had experienced at each age the death rates of the standard population.

Data quality

37. Guidelines for the provision of cause of death information are made available to medical practitioners by the ABS.

38. The ABS employs a variety of quality control measures when compiling statistics, to ensure that they are as reliable as possible.

Related publications

39. Users may wish to refer to the following publications which are available on request.

Australian Demographic Statistics (3101.0)
Australian Standard Geographical Classification, Edition 2.4 (1216.0)
Births Australia (3301.0)
Causes of Death Australia (3303.0)
Deaths Australia (3302.0)
Demography South Australia (3311.4)
Perinatal Deaths Australia (3304.0)

40. Current publications produced by the ABS are listed in the Catalogue of Publications and Products (1101.0). The ABS also issues the Publications Advice (1105.) on Tuesdays and Fridays which lists publications to be released in the next few days. Both the Catalogue and the Publication Advice are available from any ABS Office.

Unpublished statistics

41. As well as the statistics included in this and related publications, the ABS may have other relevant unpublished data. This information can be made available in one or more of the following forms: floppy disk, data tape, microfiche, computer printout and clerically extracted tabulations.

42. The data items available are listed in Appendix A, and information on unpublished tabulations routinely produced is given in Appendix B.

Symbols and other usages

- p preliminary - figures or series subject to revision.
- r figures or series revised since previous issue.
- nil or rounded to zero.
- .. not applicable.

APPENDIX A

DATA ITEMS COLLECTED BY THE AUSTRALIAN BUREAU OF STATISTICS FOR EACH REGISTERED DEATH

State of registration	Marital status
Month and year of registration	Age at marriage
Statistical local area of usual residence	Number of issue
Occupation (males and females aged 15 and over)	Duration of marriage
Sex	Cause of death (ICD9)
Age at death	Date of birth
Date of death	Place of occurrence
Country of birth	Aboriginality
Duration of residence in Australia	

APPENDIX B

CAUSES OF DEATH TABULATIONS PRODUCED ANNUALLY

<i>Table number</i>	<i>Description</i>
CDS 1	Cause of death (abbreviated list) by sex
CD 1	Cause of death (ICD-9, 3 digit) by sex and 5 year age groups

PERINATAL DEATH TABULATIONS PRODUCED ANNUALLY

<i>Table number</i>	<i>Description</i>
1	Time of cessation of heartbeat by sex
B2,M2	Main disease or condition in child/main maternal condition affecting child by sex, neonatal and fetal
B3,M3	Main disease or condition in child/main maternal condition affecting child by sex, age of mother, neonatal and fetal
B4,M4	Main disease or condition in child/main maternal condition affecting child by sex, weight at birth, neonatal and fetal
B5,M5	Main disease or condition in child/main maternal condition affecting child by sex, gestation period, neonatal and fetal
B6,M6	Main disease or condition in child/main maternal condition affecting child by sex, time of heartbeat cessation, neonatal and fetal
B7,M7	Main disease or condition in child/main maternal condition affecting child by sex, age at death, neonatal deaths
8	Detailed condition in child by sex, time of cessation of heartbeat, neonatal and fetal
9	Detailed condition in mother, by sex of child, time of cessation of heartbeat, neonatal and fetal
10	Main cause in child by sex, main condition in mother, neonatal and fetal

Note: all tabulations are available for both State of registration and State of usual residence.

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