

Deaths, Victoria
1993

Catalogue No. 3312.2

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INQUIRIES. For more information about statistics in this publication and the availability of related unpublished statistics, contact Mary-Lou Johnston on (03) 615 7729 or any ABS State office. For information about other ABS statistics and services please contact Information Services on Melbourne (03) 615 7000, call at 525 Collins Street, Melbourne or write to Information Services, ABS, GPO Box 2796Y, Melbourne Victoria 3001.

DEATHS: SUMMARY OF FINDINGS

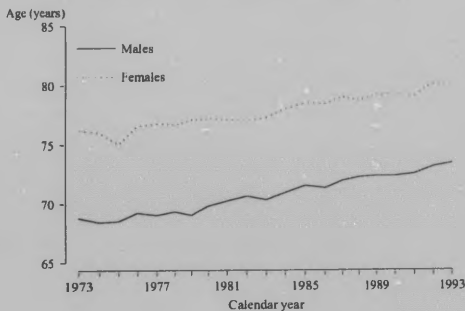
Total deaths

■ There were 31,197 deaths of Victorian residents registered in 1993, of which 16,389 were males and 14,808 were females (a ratio of 111 male deaths per 100 female deaths). This reflects a decrease of 2.4 per cent from the 31,951 deaths registered in 1992.

Median age at death

■ Over the past 20 years the median age at death has risen steadily to 73.5 years for males and 80.1 years for females in 1993, compared with 68.9 years and 76.2 years respectively in 1973.

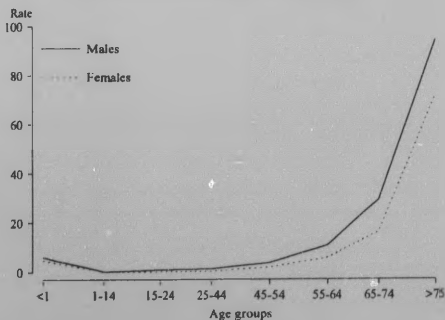
MEDIAN AGE AT DEATH, VICTORIA, 1973-1993



Age specific death rate

■ There were consistently lower death rates for females compared to males in most age groups for 1993. The risk of death is relatively high in the first year of life, then remains fairly constant until age 55 years when it begins to increase again.

AGE SPECIFIC DEATH RATES, VICTORIA, 1993



Life Expectancy

■ Since the mortality rates of females are relatively lower than for males, their life expectancy is greater in each age group. The life expectancy of a female child born in 1993, to a mother resident in Victoria, is 81.1 years, while for a male child the expectancy is 75.4 years.

Perinatal deaths

■ In 1993 there were 482 perinatal deaths comprising 288 fetal and 194 neonatal deaths, with a mortality rate of 7.5 perinatal, 4.5 fetal and 3.0 neonatal per 1,000 live births.

Hypoxia, birth asphyxia and other respiratory conditions was the major cause of perinatal death (46.1 per cent), followed by *congenital anomalies* (22.6 per cent). A maternal condition affecting the fetus or infant was reported in 63.3 per cent of perinatal deaths. *Complications of placenta, cord and membranes* was the most common maternal condition reported, with 151 occurrences (31.3 per cent) in 1993.

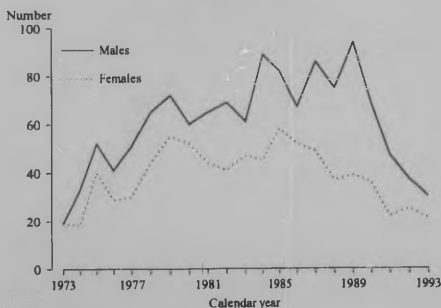
Infant deaths

■ In 1993 there were 347 infant deaths (200 males and 147 females), which was a decrease of 5.2 per cent on the 366 infant deaths registered in 1992. The infant death rate (per 1,000 live births) was 5.4 in 1993, which is significantly lower than rates recorded in the 1970s.

Certain conditions originating in the perinatal period (which includes prematurity, birth injury and respiratory conditions present from birth) accounted for 49.0 per cent of male and 38.1 per cent of female deaths in 1993. Infant deaths from *congenital anomalies* accounted for 26.0 and 38.8 per cent of male and female deaths in 1993.

Sudden death, cause unknown (includes sudden infant death syndrome) was responsible for 30 male and 21 female deaths in 1993, compared with 37 and 25 in 1992.

INFANT DEATHS BY SUDDEN DEATH CAUSE UNKNOWN,
VICTORIA, 1973-1993

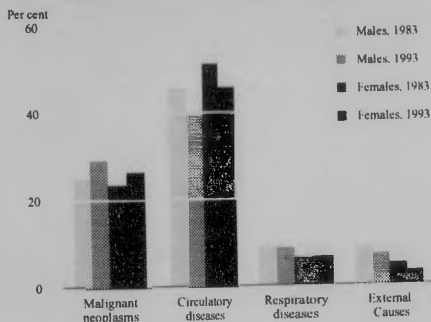


Causes of death

■ The main cause of death for Victorian residents in 1993 was *diseases of the circulatory system* (including ischaemic heart disease and cerebrovascular disease), followed by *malignant neoplasms*. *Diseases of the circulatory system* accounted for 39.4 per cent of male and 45.7 per cent of female deaths, and *malignant neoplasms* (cancer) accounted for 29.0 per cent of male and 26.3 per cent of female deaths.

As in 1992, the total number of suicides exceeded *motor vehicle traffic accidents* as the major external cause of death.

LEADING CAUSES OF DEATH, AS A PERCENTAGE OF TOTAL DEATHS,
MALES AND FEMALES, VICTORIA, 1983 AND 1993



Diseases of the circulatory system

■ *Diseases of the circulatory system* was the main cause of death for both males and females aged 65 years and over.

The most common cause of death under this broad category was *ischaemic heart disease*, which accounted for 24.6 per cent of all male and 22.2 per cent of all female deaths.

Acute myocardial infarction, which includes heart attack, was the most common form of *ischaemic heart disease*, causing 4,528 deaths in 1993.

Cerebrovascular disease (including stroke) was the other major component, with 1,119 male (6.8 per cent) and 1,863 female (12.6 per cent) deaths.

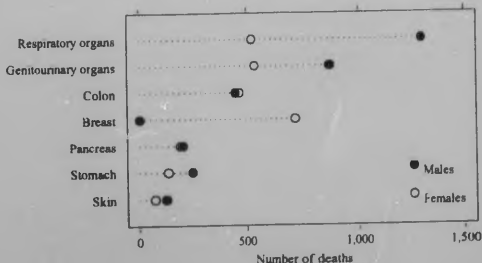
Malignant neoplasms (cancer)

■ The number of deaths due to *malignant neoplasms* (cancer) increased by 2.0 per cent, from 8,482 deaths in 1992 to 8,649 deaths in 1993.

Cancer was the major cause of death for males aged between 45 and 64 years, and for females aged between 25 and 64 years.

Malignant neoplasms located in the respiratory and intrathoracic organs for males, and in the breast for females, were the most common primary sites.

DEATHS DUE TO MALIGNANT NEOPLASMS, BY SELECTED
PRIMARY SITE OF GROWTH, VICTORIA, 1993

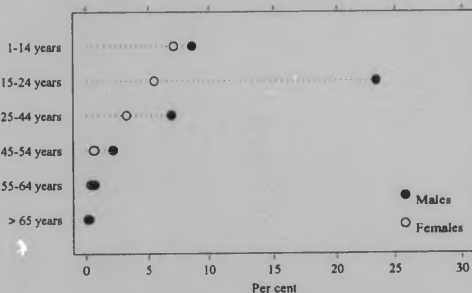


Accidents, poisonings and violence

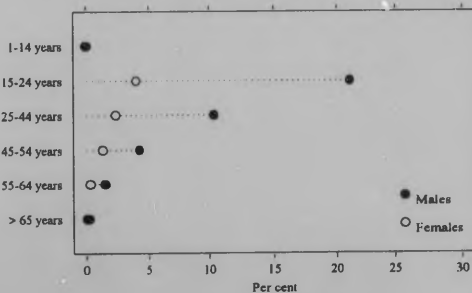
■ *Accidents, poisonings and violence* (external causes) were responsible for 1,630 deaths (5.2 per cent of the total) in 1993, and were the major causes of male deaths, in the age groups 1 to 44 years, and female deaths in the age group 1 to 24 years.

The total number of *suicides* decreased by 10.8 per cent from 557 in 1992 to 497 in 1993, while *motor vehicle traffic accidents* remained steady. *Suicide* was the major cause of death for males aged between 25 and 44 years, whilst *motor vehicle accidents* was the predominant cause for both males and females in the 15 to 24 year age group.

DEATHS BY MOTOR VEHICLE ACCIDENTS, AS A PERCENTAGE OF TOTAL DEATHS IN EACH AGE GROUP, VICTORIA, 1993



SUICIDE AS A PERCENTAGE OF TOTAL DEATHS IN EACH AGE GROUP, VICTORIA, 1993



Diseases of the respiratory system

■ The most common cause of death due to respiratory diseases was *chronic obstructive pulmonary disease*, which included asthma, emphysema and bronchitis and accounted for 1,056 male (6.4 per cent) and 631 female (4.3) deaths.

Acquired immune deficiency syndrome (AIDS)

■ Deaths where AIDS was determined as the underlying cause are included in class III, *endocrine, nutritional and metabolic diseases and immunity disorders*. In 1993, AIDS was the cause of death of 115 males and 3 females, compared with 118 and 2 respectively in 1992.

TABLE 1 — DEATHS: SUMMARY, VICTORIA

Particulars	1976r	1981	1986	1991	1992	1993
Deaths						
Males	16,816	15,728	16,021	16,508	16,816	16,389
Females	14,068	13,360	14,154	14,708	15,135	14,808
Persons	30,884	29,088	30,175	31,216	31,951	31,197
Sex ratio	120	118	113	112	111	111
Median age at death (years):						
Males	69.5	70.3	71.4	72.6	73.2	73.5
Females	76.6	77.1	78.4	79.1	80.1	80.1
Crude death rate						
Males	8.8	8.0	7.8	7.5	7.6	7.4
Females	7.4	6.7	6.8	6.6	6.7	6.6
Persons	8.1	7.4	7.3	7.1	7.2	7.0
Infant deaths (a)	687	554	517	428	366	347
Infant death rate (b)	11.4	9.3	7.8	6.5	5.6	5.4

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

TABLE 2 — DEATHS: AGE AT DEATH BY SEX, NUMBERS, RATES AND PROPORTIONS, VICTORIA

Age at death (years)	NUMBER			Rate (a)		Proportion (per cent)	
	1991	1992	1993	1991 r	1992 r	1993	1993
Males							
Under 1	249	220	200	7.5	6.6	6.1	1.2
1-4	40	53	61	0.3	0.4	0.5	0.4
5-9	29	36	15	0.2	0.2	0.1	0.1
10-14	47	37	30	0.3	0.2	0.2	0.2
15-19	148	115	140	0.8	0.7	0.8	0.9
20-24	237	194	223	1.3	1.0	1.2	1.4
25-29	217	221	171	1.2	1.2	1.0	1.0
30-34	213	216	218	1.2	1.2	1.2	1.3
35-39	233	238	214	1.4	1.4	1.2	1.3
40-44	309	331	289	1.9	2.0	1.8	1.8
45-49	413	417	423	3.1	3.0	2.9	2.6
50-54	511	562	542	4.6	4.9	4.7	3.3
55-59	870	806	768	9.1	8.4	7.8	4.7
60-64	1,507	1,374	1,296	15.8	14.7	14.1	7.9
65-69	1,975	2,039	1,922	24.1	24.4	22.6	11.7
70-74	2,323	2,372	2,396	40.4	39.4	38.0	14.6
75-79	2,677	2,747	2,622	65.2	66.2	63.6	16.0
80-84	2,464	2,448	2,389	109.6	104.7	97.4	14.6
85 and over	2,044	2,390	2,469	170.5	187.6	181.5	15.1
Total	16,508	16,816	16,389	7.5	7.6	7.4	100.0
Females							
Under 1	179	146	147	5.6	4.7	4.6	1.0
1-4	31	41	45	0.2	0.3	0.4	0.3
5-9	24	15	21	0.2	0.1	0.1	0.1
10-14	21	22	26	0.1	0.1	0.2	0.2
15-19	50	53	51	0.3	0.3	0.3	0.3
20-24	85	71	78	0.5	0.4	0.4	0.5
25-29	93	54	64	0.5	0.3	0.4	0.4
30-34	103	86	91	0.6	0.5	0.5	0.6
35-39	133	113	128	0.8	0.7	0.7	0.9
40-44	186	194	165	1.1	1.2	1.0	1.1
45-49	233	249	212	1.8	1.8	1.5	1.4
50-54	353	291	271	3.3	2.7	2.5	1.8
55-59	447	448	448	4.8	4.7	4.6	3.0
60-64	746	677	673	7.7	7.1	7.3	4.5
65-69	1,218	1,155	1,116	13.2	12.5	12.0	7.5
70-74	1,614	1,593	1,642	22.3	21.2	21.0	11.1
75-79	2,274	2,320	2,168	38.4	38.8	36.4	14.6
80-84	2,565	2,792	2,656	66.0	69.8	64.2	17.9
85 and over	4,353	4,815	4,806	143.1	151.9	143.9	32.5
Total	14,708	15,135	14,808	6.6	6.7	6.6	100.0

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

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

Age at death	Number (a)			Infant death rate (b)		
	Males	Females	Persons	Males	Females	Persons
Under 1 day	69	55	124	2.1	1.8	1.9
1 day and under 7 days	41	31	72	1.3	1.0	1.1
1 week and under 4 weeks	24	12	36	0.7	0.4	0.6
Total under 4 weeks	134	98	232	4.1	3.1	3.6
4 weeks and under 12 months	66	49	115	2.0	1.6	1.8
Total under 1 year	200	147	347	6.1	4.7	5.4

(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), VICTORIA, 1988 TO 1993

Month of occurrence	Year of occurrence					
	1988	1989	1990	1991	1992	1993
January	2,509	2,497	2,446	2,501	2,502	2,459
February	2,228	2,169	2,181	2,149	2,242	2,159
March	2,447	2,478	2,499	2,572	2,452	2,482
April	2,437	2,485	2,358	2,530	2,474	2,476
May	2,603	2,628	2,670	2,725	2,781	2,622
June	2,738	2,766	2,687	2,593	2,960	2,743
July	2,843	3,059	2,779	2,780	2,903	2,815
August	2,879	3,225	2,700	2,861	2,939	2,924
September	2,669	3,183	2,706	2,694	2,698	2,768
October	2,696	2,758	2,691	2,571	2,644	2,571
November	2,437	2,512	2,464	2,424	2,559	2,484
December	2,547	2,456	2,524	2,552	2,569	2,563
Total	31,033	32,216	30,705	30,952	31,723	31,066

(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	Australia
New South Wales	42,387	194	261	36	12	2	7	170	43,069
Victoria	229	30,781	84	50	21	13	10	9	31,197
Queensland	258	28	19,658	5	5	1	9	8	19,972
South Australia	30	28	11	11,439	8	—	10	2	11,528
Western Australia	7	20	10	4	10,258	3	14	—	10,316
Tasmania	6	20	9	—	2	3,599	1	—	3,637
Northern Territory	6	3	12	38	7	—	699	—	765
Australian Capital Territory	53	4	3	4	3	—	2	1,041	1,110
Total registrations	42,978	31,078	20,048	11,576	10,318	3,618	752	1,231	121,599

TABLE 6— EXPECTATION OF LIFE, VICTORIA

<i>Expectation of life at exact age (years) (a)</i>	1976	1981	1986	1991	1992 _r	1993 _p
MALES						
0	69.97	71.90	73.18	74.56	74.82	75.39
1	69.80	71.64	72.89	74.11	74.30	74.85
10	61.09	62.91	64.13	65.26	65.50	66.02
20	51.52	53.26	54.49	55.59	55.76	56.30
30	42.15	43.85	45.17	46.21	46.34	46.87
40	32.71	34.34	35.66	36.74	36.87	37.39
50	23.80	25.29	26.48	27.52	27.67	28.13
60	16.08	17.35	18.19	19.08	19.17	19.58
65	12.81	13.88	14.65	15.41	15.44	15.81
70	9.94	10.83	11.53	12.12	12.11	12.42
80	5.73	6.27	6.57	6.87	6.89	7.07
FEMALES						
0	76.70	78.41	79.43	80.39	80.74	81.07
1	76.54	78.08	79.03	79.84	80.11	80.45
10	67.77	69.26	70.21	70.98	71.25	71.61
20	57.96	59.43	60.38	61.13	61.40	61.77
30	48.21	49.70	50.66	51.39	51.60	52.00
40	38.57	40.01	40.94	41.70	41.86	42.28
50	29.34	30.71	31.50	32.25	32.42	32.73
60	20.80	21.98	22.63	23.34	23.40	23.70
65	16.88	17.97	18.49	19.17	19.16	19.48
70	13.28	14.26	14.71	15.30	15.22	15.53
80	7.29	8.07	8.30	8.76	8.61	8.87

(a) Based on annual life tables calculated by the Australian Statistician. Because of the method of calculation, these figures are subject to annual fluctuations which may not be indicative of a long-term trend.

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

Statistical division		Statistical division		Statistical division	
Statistical local area (a)	Number	Rate (a)	Statistical local area (a)	Number	Rate (a)
Melbourne	20,985	6.6	Orway (S)	27	6.7
Altona (C)	193	5.3	Queenscliffe (B)	66	19.8
Berwick (C)	268	3.4	South Barwon (C) (Pt A & Pt B)	300	6.1
Box Hill (C)	474	9.0	Winchelsea (S)	29	5.7
Brighton (C)	403	11.7			
Broadmeadows (C)	595	5.5	Western District	872	8.6
Brunswick (C)	271	6.7	Belfast (S)	9	6.2
Bulla (S)	115	2.5	Camperdown (T)	44	12.8
Camberwell (C)	831	9.2	Dundas (S)	17	5.0
Caulfield (C)	757	10.7	Glencelg (S)	50	11.9
Chelsea (C)	269	9.9	Hamilton (C)	95	9.5
Coburg (C)	450	8.6	Hampden (S)	75	10.9
Collingwood (C)	112	7.9	Heytesbury (S)	54	7.1
Cranbourne (S)	269	3.2	Heywood (S)	48	6.4
Croydon (C)	286	5.8	Lady Julia Percy & Towerhill	—	—
Dandenong (C)	397	6.8	Minhamite (S)	17	9.3
Diamond Valley (S)	293	4.6	Mortlake (S)	22	7.2
Doncaster and Templestowe (C)	497	4.6	Mount Rouse (S)	20	8.7
Eltham (S)	189	4.2	Port Fairy (B)	31	11.9
Essendon (C)	534	9.3	Portland (C)	87	8.2
Fitzroy (C)	125	7.1	Wannon (S)	30	11.1
Flinders (S)	516	12.9	Warrnambool (C)	224	8.8
Footscray (C)	471	9.9	Warrnambool (S)	49	5.5
Frankston (C)	693	7.8			
Hastings (S)	164	5.3	Central Highlands	1,119	8.0
Heaworth (C)	263	8.4	Ararat (C)	89	11.3
Healesville (S)	89	7.2	Ararat (S)	27	6.1
Heidelberg (C)	554	8.9	Avoca (S)	22	9.6
Keilor (C)	387	3.4	Bacchus Marsh (S)	64	4.9
Kew (C)	306	10.5	Ballarat (C)	408	11.6
Knox (C)	642	4.9	Ballan (S)	32	6.4
Lilydale (S)	335	4.0	Ballarat (S) (Pt A & Pt B)	154	8.0
Malvern (C)	391	9.0	Bungaree (S) (Pt A & Pt B)	17	3.4
Melbourne (C) (Inner & Remainder)	386	7.2	Buninyong (S) (Pt A & Pt B)	51	3.9
Melton (S)	100	2.7	Creswick (S)	46	9.1
Moorabbin (C)	816	8.1	Daylesford and Glenlyon (S)	53	8.8
Mordialloc (C)	249	8.9	Grenville (S) (Pt A & Pt B)	28	3.2
Morrington (S)	331	10.1	Lexton (S)	9	6.5
Northcote (C)	409	8.5	Ripon (S)	22	6.3
Nunawading (C)	667	7.0	Sebastopol (B)	68	8.6
Oakleigh (C)	366	6.6	Talbot and Clunes (S)	29	11.1
Pakenham (S)	141	4.7			
Port Melbourne (C)	74	9.5	Wimmera	572	10.1
Prabran (C)	365	8.7	Arapiles (S)	9	4.8
Preston (C)	656	8.3	Dimboola (S)	54	12.6
Richmond (C)	180	8.0	Donald (S)	23	9.3
Ringwood (C)	300	7.1	Dunmunkle (S)	33	11.5
St Kilda (C)	501	11.2	Horsham (C)	121	9.3
Sandringham (C)	312	9.7	Kaniva (S)	17	9.9
Sherbrooke (S)	156	4.1	Kara Kara (S)	5	4.3
South Melbourne (C)	191	10.9	Kowree (S)	26	7.1
Springvale (C)	503	5.4	Lowan (S)	44	15.0
Sunshine (C)	591	6.0	St Arnaud (T)	40	13.8
Upper Yarra (S) (Pt A)	70	4.6	Stawell (C)	83	12.5
Waverley (C)	702	5.6	Stawell (S)	12	4.5
Werribee (C)	266	3.3	Warracknabeal (S)	52	13.8
Whittlesea (C)	364	3.5	Wimmera (S)	13	4.4
Williamstown (C)	190	8.2			
			Mallee	662	8.0
Barwon	1,810	7.8	Birchip (S)	15	12.1
Hannockburn (S) (Pt A & Pt B)	18	4.0	Karknacooc (S)	14	5.2
Barrabool (S) (Pt A & Pt B)	48	7.5	Kerang (B)	45	10.5
Bellarine (S) (Pt A & Pt B)	293	6.6	Kerang (S)	21	4.8
Colac (C)	150	15.4	Mildura (C)	214	10.4
Colac (S)	41	5.6	Mildura (S) (Pt A & Pt B)	107	5.0
Corio (S) (Pt A & Pt B)	391	6.8	Swan Hill (C)	98	10.0
Geelong (C)	143	10.8	Swan Hill (S)	74	6.2
Geelong West (C)	172	12.7	Walpeup (S)	40	12.3
Leigh (S)	14	5.9	Wycheproof (S)	34	10.9
Newtown (C)	118	11.7			

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

Statistical division Statistical local area (a)		Number	Rate (a)	Statistical division Statistical local area (a)		Number	Rate (a)
Loddon-Campaspe		1,482	8.2	Ovens-Murray		622	6.7
Bendigo (C)		428	13.9	Beechworth (S)		58	11.3
Bet Bet (S)		28	13.2	Bright (S)		39	5.0
Castlemaine (C)		105	14.3	Chiltern (S)		22	7.0
Charlton (S)		15	8.2	Myrtleford (S)		31	7.1
Cohuna (S)		41	9.1	Oxley (S)		13	2.4
Eaglehawk (B)		63	7.1	Rutherglen (S)		30	8.4
East Loddon (S)		10	7.5	Tallangatta (S) (Pt A & Pt B)		30	7.0
Echuca (C)		94	9.4	Upper Murray (S)		22	9.1
Gisborne (S)		77	7.4	Wangaratta (C)		142	8.9
Gordon (S)		29	10.8	Wangaratta (S)		16	5.0
Huntly (S) (Pt A & Pt B)		27	5.6	Wodonga (Rural City)		131	4.6
Koroit (S)		35	10.0	Yackandandah (S)		24	5.2
Kyneton (S)		63	7.1	Yarrawonga (S)		64	10.9
McIvor (S)		23	6.6				
Maldon (S)		29	9.3	East Gippsland		579	8.6
Marong (RC) (Pt A & Pt B)		68	4.1	Avon (S)		17	3.9
Maryborough (C)		95	12.0	Bairnsdale (C)		152	13.3
Metcalfe (S)		19	5.6	Bairnsdale (S) (Pt A & Pt B)		53	6.8
Newham and Woodend (S)		21	1.7	Maffra (S)		87	8.2
Newstead (S)		21	6.7	Ormeo (S)		9	5.2
Pyalong (S)		3	3.7	Orbost (S)		47	6.9
Rochester (S)		33	4.1	Sale (C)		111	7.9
Romsey (S)		37	4.3	Tambo (S) (Pt A & Pt B)		103	9.4
Strathfieldsaye (S) (Pt A & Pt B)		102	5.0				
Tullaroop (S)		16	5.7	Gippsland		1,326	7.8
				Alberton (S)		68	10.7
Goulburn		1,143	7.3	Bass (S)		56	10.8
Alexandra (S)		49	7.9	Buln Buln (S)		88	7.3
Benalla (C)		89	10.1	French Island		1	14.1
Benalla (S)		17	3.0	Korumburra (S)		56	7.0
Breadford (S)		26	6.0	Mitroo (S)		21	7.8
Cobram (S)		58	8.5	Moe (C)		150	8.5
Deakin (S)		25	4.4	Morwell (C) (Pt A & Pt B)		176	6.5
Euna (S)		64	13.9	Narracan (S) (Pt A & Pt B)		64	5.6
Goulburn (S)		31	11.5	Phillip Island (S)		50	9.2
Kilmore (S)		36	3.8	Rosedale (S)		56	6.0
Kyabram (T)		84	13.9	South Gippsland (S)		65	10.6
Mansfield (S)		47	7.6	Traralgon (C)		150	7.3
Nathalia (S)		24	6.9	Traralgon (S) (Pt A & Pt B)		9	1.9
Numurkah (S)		68	9.4	Upper Yarra (S) (Pt B)		5	9.1
Rodney (S) (Pt A & Pt B)		122	7.4	Warragul (S)		113	8.3
Seymour (S)		72	5.9	Wonthaggi (B)		98	14.0
Shepparton (C)		209	8.0	Woorayl (S)		100	8.3
Shepparton (S) (Pt A & Pt B)		32	3.4				
Tungamah (S)		7	2.3	Victoria (b)		31,197	7.0
Violet Town (S)		19	12.6				
Waranga (S)		40	8.5				
Yea (S)		24	4.6				

(a) Numbers of deaths per 1,000 of population. The 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 high crude death rates while areas with a relatively younger population will probably show low death rates. (b) Includes unincorporated islands and off-shore areas, deaths of overseas residents and persons of no fixed place of abode.

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

Particulars	Heart disease	Malignant neoplasms (cancer)	Cerebro-vascular disease (incl. stroke)	Respiratory system diseases	Motor vehicle traffic accidents	Suicide	All causes
Numbers							
Males	4,874	4,749	1,119	1,420	319	403	16,389
Females	4,419	3,900	1,863	981	143	94	14,808
Persons	9,293	8,649	2,982	2,401	462	497	31,197
Proportions by sex (%)							
Males	52.4	54.9	37.5	59.1	69.0	81.1	52.5
Females	47.6	45.1	62.5	40.9	31.0	18.9	47.5
Persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Proportions by cause of death (%)							
Males	29.7	29.0	6.8	8.7	1.9	2.5	100.0
Females	29.8	26.3	12.6	6.6	1.0	0.6	100.0
Persons	29.8	27.7	9.6	7.7	1.5	1.6	100.0
Crude death rates (b)							
Males	220.3	214.7	50.6	64.2	14.4	18.2	740.9
Females	196.1	173.1	82.7	43.5	6.3	4.2	657.2
Persons	208.1	193.7	66.8	53.8	10.3	11.1	698.7
Standardised death rates (c)							
Victoria	192.1	184.1	60.7	49.9	10.3	11.0	652.4
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, VICTORIA, 1993

Statistical division	Heart disease	Malignant neoplasms (cancer)	Cerebro-vascular disease (incl. stroke)	Respiratory system diseases	Motor vehicle traffic accidents	Suicide	All causes
NUMBERS							
Melbourne	6,072	5,929	1,998	1,576	288	339	20,985
Barwon	566	534	162	101	30	30	1,810
Western District	287	212	93	81	16	13	872
Central Highlands	377	275	112	93	17	22	1,119
Wimmera	170	122	53	44	6	9	532
Mallee	197	201	61	61	8	8	662
Loddon-Campaspe	470	387	145	114	22	19	1,482
Goulburn	336	317	116	106	23	15	1,143
Ovens Murray	182	160	69	54	13	9	622
East Gippsland	197	155	57	42	12	8	579
Gippsland	419	345	109	126	24	23	1,326
Victoria(b)	9,293	8,649	2,982	2,401	462	497	31,197
PROPORTIONS (PER CENT)							
Melbourne	28.9	28.3	9.5	7.5	1.4	1.6	100.0
Barwon	31.3	29.5	9.0	5.6	1.7	1.7	100.0
Western District	32.5	24.3	10.7	9.3	1.8	1.5	100.0
Central Highlands	33.7	24.6	10.0	8.3	1.5	2.0	100.0
Wimmera	32.0	22.9	10.0	8.3	1.1	1.7	100.0
Mallee	29.8	30.4	9.2	9.2	1.2	1.2	100.0
Loddon-Campaspe	31.7	26.1	9.8	7.7	1.5	1.3	100.0
Goulburn	29.4	27.7	10.1	9.3	2.0	1.3	100.0
Ovens Murray	29.3	25.7	11.1	8.7	2.1	1.4	100.0
East Gippsland	34.0	26.8	9.8	7.3	2.1	1.4	100.0
Gippsland	31.6	26.0	8.2	9.5	1.8	1.7	100.0
Victoria(b)	29.8	27.7	9.6	7.7	1.5	1.6	100.0
RATES (c)							
Melbourne	190.4	185.9	62.6	49.4	9.0	10.6	658.0
Barwon	245.1	231.2	70.1	43.7	13.0	13.0	783.7
Western District	282.1	208.4	91.4	79.6	15.7	12.8	857.2
Central Highlands	268.9	196.1	79.9	66.3	12.1	15.7	798.0
Wimmera	321.2	230.5	100.2	83.1	11.3	17.0	1003.3
Mallee	238.8	243.6	73.9	73.9	9.7	9.7	802.3
Loddon-Campaspe	260.3	214.3	80.3	63.1	12.2	10.5	820.8
Goulburn	215.4	203.2	74.4	68.0	14.7	9.6	732.8
Ovens Murray	196.1	172.4	74.3	58.2	14.0	9.7	670.0
East Gippsland	291.2	229.1	84.3	62.1	17.7	11.8	855.9
Gippsland	246.5	203.0	64.1	74.1	14.1	13.5	780.2
Victoria(b)	208.2	193.7	66.8	53.8	10.3	11.1	698.8

(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) Includes unincorporated islands and off-shore areas, deaths of overseas residents and persons of no fixed place of abode. (c) 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, VICTORIA

Cause of death and ICD code (Classes and selected categories)	1991		1992		1993	
	Males	Females	Males	Females	Males	Females
<i>Class I Infectious and parasitic diseases (001-139)</i>	84	73	103	105	106	103
<i>Class II Neoplasms (140-239)</i>	4,808	3,940	4,800	3,788	4,818	3,966
Malignant neoplasms (cancer) (140-208)	4,745	3,895	4,761	3,721	4,749	3,900
Lip, oral cavity and pharynx (140-149)	145	56	120	48	114	63
Stomach (151)	224	150	204	141	233	126
Colon (153)	399	450	459	457	447	466
Pancreas (157)	193	179	188	183	189	179
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	550	379	536	340	458	355
Respiratory and intrathoracic organs (160-165)	1,305	503	1,261	475	1,299	526
Melanoma of skin (172)	105	73	111	79	117	69
Breast (174, 175)	5	742	6	677	4	727
Genitourinary organs (179-189)	862	552	892	503	870	539
Other and unspecified sites (170-171, 173, 190-199)	533	423	551	438	532	450
Lymphatic and haematopoietic tissue (200-208)	424	388	433	380	486	400
<i>Class III Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>	526	521	644	528	685	579
Diabetes mellitus (250)	349	432	407	433	466	453
<i>Class IV Diseases of blood and blood-forming organs (280-289)</i>	48	58	45	61	39	73
<i>Class V Mental disorders (290-319)</i>	250	331	276	348	269	321
<i>Class VI Diseases of the nervous system and sense organs (320-389)</i>	291	344	366	388	385	386
<i>Class VII Diseases of the circulatory system (390-459)</i>	6,680	6,777	6,712	7,210	6,457	6,772
All heart disease (393-398, 402, 404, 410-416, 420-429)	5,027	4,534	5,079	4,877	4,874	4,419
Acute myocardial infarction (410)	2,624	2,236	2,613	2,383	2,473	2,055
Other ischaemic heart disease (411-414)	1,595	1,173	1,613	1,343	1,563	1,239
Cerebrovascular disease (incl. stroke) (430-438)	1,169	1,735	1,100	1,761	1,119	1,863
<i>Class VIII Diseases of the respiratory system (460-519)</i>	1,368	924	1,512	1,048	1,420	981
Pneumonia and influenza (480-487)	132	223	208	260	202	233
Chronic obstructive pulmonary disease and allied conditions (490-496)	1,085	594	1,140	648	1,056	631
<i>Class IX Diseases of the digestive system (520-579)</i>	524	532	559	499	465	465
Ulcer of stomach and duodenum (531-533)	70	117	83	93	68	85
Chronic liver disease and cirrhosis (571)	219	76	225	71	177	63
<i>Class X Diseases of the genitourinary system (580-629)</i>	232	244	229	238	239	250
Nephritis, nephrotic syndrome and nephrosis (580-589)	158	183	167	172	191	186
<i>Class XI Complications of pregnancy, childbirth and the puerperium (630-676)</i>	—	3	—	2	—	2
<i>Class XII Diseases of the skin and subcutaneous tissue (680-709)</i>	6	11	5	7	16	18
<i>Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)</i>	53	129	62	150	65	112
<i>Class XIV Congenital anomalies (740-759)</i>	101	83	101	78	99	94
<i>Class XV Certain conditions originating in the perinatal period (760-779)</i>	118	87	99	70	100	56
<i>Class XVI Symptoms, signs and ill-defined conditions (780-799)</i>	81	48	67	66	54	62
<i>Class XVII Accidents, poisonings and violence (external causes) (E800-E999)</i>	1,338	603	1,236	549	1,172	458
Motor vehicle traffic accidents (E810-E819)	390	162	306	155	319	143
Accidental drowning and submersion (E910)	50	10	43	9	57	14
Suicide (E950-E959)	472	135	445	112	403	94
All causes	16,508	14,708	16,816	15,135	16,389	14,808

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

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 I Infectious and parasitic diseases (001-139)	M	2	2	—	9	7	9	30	16	13	18	106
	F	3	—	1	4	3	7	15	21	20	29	103
Class II Neoplasms (140-239)	M	4	11	22	174	353	845	1,597	767	580	462	4,818
	F	1	21	22	206	293	626	1,068	593	562	574	3,966
Malignant neoplasms (cancer) (140-208)	M	1	9	20	171	350	843	1,577	757	567	453	4,749
F	—	20	20	203	291	620	1,061	583	550	552	3,900	
Lip, oral cavity and pharynx (140-149)	M	—	—	—	7	21	41	29	6	6	4	114
F	—	—	1	4	4	10	19	8	7	10	63	
Stomach (151)	M	—	—	—	3	17	47	66	39	32	29	233
F	—	—	—	4	7	15	35	18	22	25	126	
Colon (153)	M	—	—	—	15	28	87	141	83	50	43	447
F	—	—	1	14	23	72	119	60	72	105	466	
Pancreas (157)	M	—	—	—	6	14	33	86	19	18	13	189
F	—	—	—	2	7	21	54	37	31	27	179	
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	M	—	—	—	8	38	102	162	67	41	40	458
F	—	—	—	10	19	49	93	59	61	64	355	
Respiratory and intrathoracic organs (160-165)	M	—	—	—	21	83	256	510	209	151	69	1,299
F	—	—	—	13	35	95	183	95	63	42	526	
Melanoma of skin (172)	M	—	—	1	21	19	24	26	13	6	7	117
F	—	—	1	8	7	11	18	12	4	8	69	
Breast (174, 175)	M	—	—	—	—	1	—	1	1	—	1	4
F	—	1	—	58	96	142	171	102	80	77	727	
Genitourinary organs (179-189)	M	—	—	1	8	20	87	246	176	169	162	870
F	—	1	1	32	32	103	156	66	78	70	539	
Other and unspecified sites (170-171, 173, 190-199)	M	1	4	4	47	58	88	164	74	47	45	532
F	—	12	8	37	28	50	114	63	64	74	450	
Lymphatic and haematopoietic tissue (200-208)	M	—	5	14	35	51	78	146	70	47	40	486
F	—	6	8	21	33	52	99	63	68	50	400	
Class III Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	2	6	6	106	50	85	161	97	88	84	685
	F	2	6	7	12	19	43	133	85	106	166	579
	M	—	—	—	17	19	58	134	83	80	75	466
Diabetes mellitus (250)	F	—	—	—	6	13	30	105	67	96	136	453
Class IV Diseases of blood and blood-forming organs (280-289)	M	—	—	1	—	2	6	7	10	3	10	39
	F	—	—	1	4	3	3	6	12	13	31	73
Class V Mental disorders (290-319)	M	—	—	15	50	3	10	26	30	48	87	269
	F	—	1	6	13	1	7	19	48	85	251	431
Class VI Diseases of the nervous system and sense organs (320-389)	M	2	13	13	23	15	24	75	66	82	72	385
	F	4	8	7	11	9	30	60	60	73	124	386

TABLE 11 — DEATHS: CAUSE BY SEX AND AGE GROUP, VICTORIA, 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	
<i>Class VII Diseases of the circulatory system (390-459)</i>	M	1	2	8	97	284	741	1,768	1,304	1,145	1,207	6,457
	F	1	4	2	43	85	246	1,026	1,039	1,438	2,888	6,772
All heart disease (393-398, 402, 404, 410-416, 420-429)	M	1	2	7	81	241	602	1,387	915	823	815	4,874
	F	1	4	—	29	54	181	739	705	885	1,821	4,419
Acute myocardial infarction (410)	M	—	—	—	24	102	299	741	515	431	361	2,473
	F	—	1	—	7	16	86	393	397	424	731	2,055
Other ischaemic heart disease (411-414)	M	—	—	—	29	105	220	455	266	241	247	1,563
	F	—	—	—	6	23	56	205	168	247	534	1,239
Cerebrovascular disease (incl. stroke) (430-438)	M	—	—	1	13	32	99	254	224	225	271	1,119
	F	—	—	2	14	30	45	225	274	457	816	1,863
<i>Class VIII Diseases of the respiratory system (460-519)</i>	M	3	4	9	11	42	129	390	260	271	292	1,420
	F	1	3	8	21	14	76	235	156	154	311	981
Pneumonia and influenza (480-487)	M	1	2	—	3	9	17	48	17	37	68	202
	F	1	—	2	5	2	6	26	14	26	151	233
Chronic obstructive pulmonary disease and allied conditions (490-496)	M	—	2	9	6	27	100	310	216	198	188	1,056
	F	—	5	4	13	11	61	192	126	112	107	631
<i>Class IX Diseases of the digestive system (520-579)</i>	M	—	—	—	30	51	90	114	65	55	60	465
	F	—	1	—	14	13	33	64	69	84	167	465
Ulcer of stomach and duodenum (531-533)	M	—	—	—	—	1	13	22	9	7	16	68
	F	—	—	—	—	1	1	10	13	15	45	85
Chronic liver disease and cirrhosis (571)	M	—	—	—	24	41	48	41	7	14	2	177
	F	—	—	—	5	7	13	23	5	5	5	63
<i>Class X Diseases of the genitourinary system (580-629)</i>	M	1	—	—	3	8	10	34	43	46	94	239
	F	—	—	1	2	6	8	25	37	55	116	250
Nephritis, nephrotic syndrome and nephrosis (580-589)	M	—	—	—	3	7	7	21	38	39	76	191
	F	—	—	—	1	4	5	17	31	41	87	186
<i>Class XI Complications of pregnancy, childbirth and the puerperium (630-676)</i>	F	—	—	—	2	—	—	—	—	—	—	2
<i>Class XII Diseases of the skin and subcutaneous tissue (680-709)</i>	M	—	—	—	—	—	1	4	2	4	5	16
	F	—	—	—	—	—	—	1	2	1	14	18
<i>Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)</i>	M	—	—	1	1	2	6	15	12	10	18	61
	F	—	—	—	2	4	4	24	14	22	42	112
<i>Class XIV Congenital anomalies (740-759)</i>	M	52	15	7	9	3	5	4	3	—	1	99
	F	57	16	5	4	1	3	6	—	—	2	94

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

Cause of death and ICD code (Classes and select 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 XV	Certain conditions originating in the perinatal period (760-779)	M	98	—	—	1	—	—	1	—	—	—	100
		F	56	—	—	—	—	—	—	—	—	—	56
Class XVI	Symptoms, signs and ill-defined conditions (780-799)	M	30	1	—	3	4	3	—	2	2	7	54
		F	21	2	2	4	1	2	2	3	3	22	62
Class XVII	Accidents, poisonings and violence (external causes) (E800-E999)	M	5	52	281	373	139	100	83	43	42	52	1,172
		F	1	28	67	106	31	33	54	29	40	69	458
	Motor vehicle traffic accidents (E810-E819)	M	1	17	115	92	29	18	21	11	10	5	319
		F	1	14	27	42	8	13	18	9	9	2	143
	Accidental drowning and submersion (E910)	M	1	14	14	14	7	3	3	1	—	57	
		F	—	6	1	1	2	—	3	—	1	14	
	Suicide (E950-E959)	M	—	1	104	139	61	43	33	8	9	5	403
		F	—	—	19	30	17	8	13	4	3	—	94
All causes		M	200	106	363	892	965	2,064	4,318	2,622	2,389	2,469	16,389
		F	147	92	129	448	483	1,121	2,758	2,168	2,656	4,806	14,808

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

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	200	100.0	7.4	6.5	6.1
<i>Congenital anomalies (740-759)</i>	52	26.0	1.9	2.1	1.6
<i>Certain conditions originating in the perinatal period (760-779)</i>	98	49.0	3.5	2.9	3.0
<i>Hypoxia, birth asphyxia and other respiratory conditions (768-770)</i>	41	20.5	1.6	1.0	1.3
<i>Symptoms, signs and ill-defined conditions (780-799)</i>	30	15.0	1.5	1.1	0.9
<i>Sudden death, cause unknown (798)</i>	30	15.0	1.4	1.1	0.9
<i>1-14 years</i>					
All causes	106	100.0	25.8	27.9	23.6
<i>Malignant neoplasms (cancer) (140-208)</i>	9	8.5	2.7	4.0	2.9
<i>Diseases of nervous system and sense organs (320-389)</i>	13	12.3	2.4	4.0	2.9
<i>Accidents, poisonings and violence (E800-E999)</i>	52	49.1	13.8	14.4	11.6
<i>Motor vehicle traffic accidents (E810-E819)</i>	17	16.0	6.0	5.3	3.8
<i>Accidents caused by submersion, suffocation and foreign bodies (E910-E915)</i>	19	17.9	4.5	4.4	4.2
<i>15-24 years</i>					
All causes	363	100.0	105.5	85.4	101.8
<i>Accidents, poisonings and violence (E800-E999)</i>	281	77.4	82.7	63.0	78.8
<i>Motor vehicle traffic accidents (E810-E819)</i>	115	31.7	38.1	25.7	32.2
<i>Suicide (E950-E959)</i>	104	28.7	27.9	22.9	29.2
<i>25-44 years</i>					
All causes	892	100.0	139.7	144.5	128.8
<i>Malignant neoplasms (cancer) (140-208)</i>	171	19.2	26.0	26.3	24.7
<i>Diseases of the circulatory system (390-459)</i>	97	10.9	20.7	19.5	14.0
<i>Accidents, poisonings and violence (E800-E999)</i>	373	41.8	63.7	60.9	53.9
<i>Motor vehicle traffic accidents (E810-E819)</i>	92	10.3	16.1	15.2	13.3
<i>Suicide (E950-E959)</i>	139	15.6	31.3	26.7	20.1
<i>45-54 years</i>					
All causes	965	100.0	381.0	386.7	368.0
<i>Malignant neoplasms (cancer) (140-208)</i>	350	36.3	143.1	138.7	133.5
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	83	8.6	32.2	34.4	31.7
<i>Diseases of the circulatory system (390-459)</i>	284	29.4	112.6	113.7	108.3
<i>Acute myocardial infarction (410)</i>	102	10.6	35.5	40.3	38.9
<i>Accidents, poisonings and violence (E800-E999)</i>	139	14.4	56.9	53.7	53.0
<i>55-64 years</i>					
All causes	2,064	100.0	1,245.2	1,146.3	1,087.2
<i>Malignant neoplasms (cancer) (140-208)</i>	843	40.8	508.1	463.3	444.0
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	256	12.4	158.2	153.0	134.8
<i>Diseases of the circulatory system (390-459)</i>	741	35.9	458.4	422.8	390.3
<i>Acute myocardial infarction (410)</i>	299	14.5	193.8	185.1	157.5
<i>65-74 years</i>					
All causes	4,318	100.0	3,080.3	3,070.7	2,918.4
<i>Malignant neoplasms (cancer) (140-208)</i>	1,577	36.5	1,110.1	1,090.9	1,065.9
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	510	11.8	382.7	337.6	344.7
<i>Diseases of the circulatory system (390-459)</i>	1,768	40.9	1,315.8	1,274.6	1,194.9
<i>Acute myocardial infarction (410)</i>	741	17.2	574.8	539.5	500.8
<i>75 years and over</i>					
All causes	7,480	100.0	9,511.8	9,775.2	9,423.4
<i>Malignant neoplasms (cancer) (140-208)</i>	1,777	23.8	2,194.9	2,237.3	2,238.7
<i>Diseases of the circulatory system (390-459)</i>	3,556	47.5	4,887.7	4,691.1	4,479.9
<i>Acute myocardial infarction (410)</i>	1,307	17.5	1,750.1	1,741.1	1,646.6
<i>Other ischaemic heart disease (411-414)</i>	754	10.1	975.7	994.9	949.9
<i>Cerebrovascular disease (incl. stroke) (430-438)</i>	720	9.6	957.1	881.5	907.1
<i>Diseases of the respiratory system (460-519)</i>	823	11.0	1,036.6	1,189.5	1,036.8
<i>Total all ages</i>					
All causes	16,389	100.0	753.0	762.3	740.9
<i>Malignant neoplasms (cancer) (140-208)</i>	4,740	29.0	216.4	215.8	214.7
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	1,299	7.9	59.5	57.2	58.7
<i>Malignant neoplasms of genitourinary organs (179-189)</i>	870	5.3	39.3	40.4	39.3
<i>Diseases of the circulatory system (390-459)</i>	6,457	39.4	304.7	304.3	291.9
<i>Acute myocardial infarction (410)</i>	2,473	15.1	119.7	118.5	111.8
<i>Other ischaemic heart disease (411-414)</i>	1,563	9.5	72.8	73.1	70.7
<i>Cerebrovascular disease (incl. stroke) (430-438)</i>	1,119	6.8	53.3	49.9	50.6
<i>Diseases of the respiratory system (460-519)</i>	1,420	8.7	62.4	68.5	64.2
<i>Chronic obstructive pulmonary disease and allied conditions (490-496)</i>	1,056	6.4	49.5	51.7	47.7
<i>Accidents, poisonings and violence (E800-E999)</i>	1,172	7.2	61.0	56.0	53.0

See footnotes at end of table.

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

Age group, cause of death and ICD code	1993		Rate (a)		
	Number	Proportion(b) per cent	1991 r	1992 r	1993
			FEMALES		
Under 1 year					
All causes	147	100.0	5.6	4.6	4.7
<i>Congenital anomalies (740-759)</i>	57	38.8	1.5	1.3	1.8
<i>Certain conditions originating in the perinatal period (760-779)</i>	56	38.1	2.7	2.2	1.8
Disorders relating to short gestation and unspecified low birthweight (765)	16	10.9	0.8	0.9	0.5
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	24	16.3	1.0	0.8	0.8
<i>Symptoms, signs and ill-defined conditions (780-799)</i>	21	14.3	0.7	0.8	0.7
Sudden death, cause unknown (798)	21	14.3	0.7	0.8	0.7
1-14 years					
All causes	92	100.0	17.8	18.2	21.5
<i>Malignant neoplasms (cancer) (140-208)</i>	20	21.7	2.8	3.5	4.7
<i>Diseases of the nervous system and sense organs (320-389)</i>	8	8.7	2.3	1.6	1.9
<i>Congenital anomalies (740-759)</i>	16	17.4	1.9	2.6	3.7
<i>Accidents, poisonings and violence (E800-E999)</i>	28	30.4	6.6	5.6	6.5
Motor vehicle traffic accidents (E810-E819)	14	15.2	1.6	1.9	3.3
15-24 years					
All causes	129	100.0	38.1	35.4	37.5
<i>Malignant neoplasms (cancer) (140-208)</i>	20	15.5	5.1	3.7	5.8
<i>Accidents, poisonings and violence (E800-E999)</i>	67	51.9	21.7	22.0	19.5
Motor vehicle traffic accidents (E810-E819)	27	20.9	11.3	11.7	7.9
Suicide (E950-E959)	19	14.7	7.1	5.4	5.5
25-44 years					
All causes	448	100.0	73.9	63.8	64.1
<i>Malignant neoplasms (cancer) (140-208)</i>	203	45.3	34.1	31.1	29.0
Malignant neoplasms of breast (174)	58	12.9	11.3	11.3	8.3
<i>Diseases of the circulatory system (390-459)</i>	43	9.6	7.0	6.9	6.2
<i>Accidents, poisonings and violence (E800-E999)</i>	106	23.7	18.6	15.1	15.2
Motor vehicle traffic accidents (E810-E819)	42	9.4	5.6	4.9	6.0
Suicide (E950-E959)	30	6.7	7.3	6.3	4.3
45-54 years					
All causes	483	100.0	250.2	220.3	189.3
<i>Malignant neoplasms (cancer) (140-208)</i>	291	60.2	147.7	133.0	114.1
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	35	7.2	17.5	11.4	13.7
Malignant neoplasms of breast (174)	96	19.9	52.5	44.9	37.6
Malignant neoplasms of genitourinary organs (178-189)	32	6.6	21.8	18.4	12.5
<i>Diseases of the circulatory system (390-459)</i>	85	17.6	40.6	37.1	33.3
Acute myocardial infarction (410)	16	3.3	9.4	10.2	6.3
Cerebrovascular disease (incl. stroke) (430-438)	30	6.2	14.1	11.4	11.8
<i>Accidents, poisonings and violence (E800-E999)</i>	31	6.4	22.6	17.1	12.2
55-64 years					
All causes	1,121	100.0	626.3	592.4	590.6
<i>Malignant neoplasms (cancer) (140-208)</i>	620	55.3	344.9	313.8	326.7
Malignant neoplasms of breast (174)	142	12.7	70.9	69.5	74.8
<i>Diseases of the circulatory system (390-459)</i>	246	21.9	132.8	136.4	129.6
Acute myocardial infarction (410)	86	7.7	47.3	53.7	45.3
65-74 years					
All causes	2,758	100.0	1,722.2	1,638.4	1,611.6
<i>Malignant neoplasms (cancer) (140-208)</i>	1,061	38.5	654.9	597.4	620.0
<i>Diseases of the circulatory system (390-459)</i>	1,026	37.2	648.2	616.5	599.5
Acute myocardial infarction (410)	393	14.2	269.4	249.8	229.6
Cerebrovascular disease (incl. stroke) (430-438)	225	8.2	126.5	112.1	131.5
75 years and over					
All causes	9,630	100.0	7,154.0	7,547.8	7,170.2
<i>Malignant neoplasms (cancer) (140-208)</i>	1,685	17.5	1,204.0	1,179.3	1,254.6
<i>Diseases of the circulatory system (390-459)</i>	5,365	55.7	4,124.9	4,380.3	3,994.6
Acute myocardial infarction (410)	1,552	16.1	1,302.8	1,390.6	1,155.6
Other ischaemic heart disease (411-414)	949	9.9	695.8	804.4	706.6
Cerebrovascular disease (incl. stroke) (430-438)	1,547	16.1	1,098.2	1,125.3	1,151.9
Total all ages					
All causes	14,808	100.0	660.0	674.4	657.2
<i>Malignant neoplasms (cancer) (140-208)</i>	3,900	26.3	174.8	165.8	173.1
<i>Diseases of the circulatory system (390-459)</i>	6,772	45.7	304.1	321.3	300.6
Acute myocardial infarction (410)	2,055	13.9	100.3	106.2	91.2
Cerebrovascular disease (incl. stroke) (430-438)	1,239	8.4	52.6	59.8	55.0
<i>Diseases of the respiratory system (460-519)</i>	1,863	12.6	77.9	78.5	82.7
	981	6.6	41.5	46.7	43.5

(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—FETAL, NEONATAL AND PERINATAL DEATHS: NUMBERS AND RATES BY SEX, VICTORIA

Year	Fetal deaths			Neonatal deaths			Perinatal deaths		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
NUMBER									
1988	181	175	356	167	109	276	348	284	632
1989	208	198	406	107	87	194	315	285	600
1990	219	184	403	172	130	302	391	314	705
1991	186	154	340	139	99	238	325	253	578
1992	172	173	345	120	76	196	292	249	541
1993	159	129	288	114	80	194	273	209	482
RATE (a)									
1988	5.7	5.7	5.7	5.3	3.6	4.4	10.9	9.3	10.1
1989	6.3	6.3	6.3	3.3	2.8	3.0	9.5	9.1	9.3
1990	6.3	5.6	6.0	5.0	4.0	4.5	11.3	9.6	10.5
1991	5.5	4.8	5.2	4.1	3.1	3.6	9.6	7.9	8.8
1992	5.1	5.4	5.2	3.6	2.4	3.0	8.6	7.7	8.2
1993	4.8	4.1	4.5	3.5	2.6	3.0	8.3	6.7	7.5

(a) Number of fetal deaths or perinatal deaths per 1,000 live births and fetal deaths combined. Number of neonatal deaths per 1,000 live births.

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

Cause of death	1993					1992	
	Fetal deaths	Neonatal deaths	Perinatal deaths			Perinatal deaths	
			Males	Females	Persons		
Main condition in fetus/infant	288	194	273	209	482	541	
Slow fetal growth, fetal malnutrition and immaturity (764-765)	24	19	23	20	43	27	
Birth trauma (767)	—	6	5	1	6	2	
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	168	54	129	93	222	103	
Fetal and neonatal haemorrhage (772)	8	10	11	7	18	26	
Haemolytic disease of fetus and newborn (773)	3	1	3	1	4	2	
Other conditions originating in the perinatal period (766, 771, 774-779)	42	25	34	33	67	59	
Congenital anomalies (740-759)	42	67	61	48	109	115	
All other causes (remainder of 001-999)	1	12	7	6	13	7	
Main condition in mother	288	194	273	209	482	541	
Maternal conditions which may be unrelated to present pregnancy (760)	34	17	25	26	51	57	
Maternal complications of pregnancy (761)	32	50	51	31	82	100	
Complications of placenta, cord and membranes (762)	116	35	86	65	151	144	
Other complications of labour and delivery (763)	11	10	10	11	21	12	
No maternal condition reported	95	82	101	76	177	228	

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

Particulars	1993					1992	
	Fetal deaths	Neonatal deaths	Perinatal deaths			Perinatal deaths	
			Males	Females	Persons		
Age at death (a)		194	114	80	194	196	
Less than 1 hour	—	37	22	15	37	40	
Less than 1 day	—	89	51	38	89	101	
Less than 1 week	—	159	90	69	159	155	
Weight at delivery (grams)	288	194	273	209	482	541	
500-999	72	66	78	60	138	176	
1,000-1,999	65	42	67	40	107	112	
2,000-2,999	61	26	44	43	87	107	
3,000 or more	40	42	48	34	82	110	
Period of gestation (weeks)	288	194	273	209	482	541	
Less than 28	86	74	94	66	160	172	
28-36	107	56	100	63	163	183	
37-41	90	57	73	74	147	163	
42 or more	4	—	2	2	4	19	
Age group of mother (years)	288	194	273	209	482	541	
Less than 20	11	9	9	11	20	31	
20-24	51	40	56	35	91	93	
25-29	103	61	103	61	164	166	
30-34	81	52	65	68	133	153	
35-39	30	19	24	25	49	60	
40 or more	6	5	8	3	11	18	

(a) Applicable to neonatal deaths only

EXPLANATORY NOTES

- Introduction 1 The statistics in this publication relate to the deaths of usual residents of Victoria and overseas visitors who died in Victoria. Publications containing similar information for other Australian States are also available.
- Death Registration 2 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. Guidelines for the provision of cause of death information are made available to medical practitioners by the ABS. 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 ABS by individual Registrars for compilation into aggregate statistics shown in this publication.
- Definitions 3 The definitions used in this publication are based on the recommendations of the Ninth (1975) Revision of the World Health Organisation's International Classification of Diseases (ICD).
- General deaths 4 *General deaths*, i.e. those included in Tables 1 to 12, comprise the deaths of people of all ages. Fetal deaths are excluded.
- Perinatal, fetal and neonatal deaths 5 *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.
- Live birth 6 This is the delivery of a child who after being born, breathes or shows any other evidence of life such as a heartbeat. For Table 13 (perinatal deaths) the live birth figures used to calculate rates have been adjusted to exclude live births known to have weighed under 500 grams at birth (or, where birthweight was unknown, of less than 22 weeks gestation).
- Period of gestation 7 For perinatal deaths, *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.
- Cessation of heartbeat 8 *Unknown time of cessation of heartbeat*. For some perinatal deaths it is not known whether the time of cessation of heartbeat occurred before or after delivery. Such cases have been included with fetal deaths.
- Indeterminate sex 9 For tabulation purposes, perinatal deaths of indeterminate sex are included with males.
- Standardised death rates 10 The standardised death rates shown in Table 8 for Victoria and Australia have been calculated using the direct method, and the 1991 Australian population has been used as the standard. The standardised death rate obtained by the direct method may be defined as the overall death rate that would have prevailed in a standard population if it had experienced at each age the death rates of the population being studied.

- Year of occurrence and year of registration** **11** The statistics in this publication refer to deaths registered, not those which actually occurred, in the years shown. Normally about 5-6 per cent of deaths occurring in one year are not registered until the following year or even later. Table 4 shows deaths according to the month and year of occurrence for the latest six years.
- State of usual residence and state of registration** **12** *General deaths.* Figures shown in this publication represent deaths of usual residents of Victoria, regardless of where in Australia the death occurred or was registered. Table 5 shows the number of deaths cross-classified by State or Territory of usual residence and State or Territory of registration. Deaths of people normally resident in Victoria, which occurred overseas, are excluded from this publication. Deaths of people usually resident overseas but which occurred in Victoria, are included in the total.
- 13** *Perinatal deaths.* The figures have been compiled on a State of usual residence basis, i.e. they represent the deaths of those fetuses and neonates whose mothers were usual residents of Victoria.
- 14** Death statistics on a State of registration basis can be made available on request.
- Classifications** **15** The 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.
- ICD codes** **16** 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.
- Underlying cause of death** **17** For general deaths, particulars relate to the *underlying cause of death*, which the World Health Organisation (WHO) has defined as 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, i.e. to the circumstances of the accident or violence which produced the fatal injury rather than to the nature of the injury. Deaths of infants aged less than 1 month are classified according to the main condition in the infant which contributed to the death.
- Main condition** **18** For perinatal deaths, causes of death have been classified to the *main condition in the fetus/infant* and also to the *main condition in the mother*.
- Level of detail** **19** The extensive nature of the ICD enables classification of causes of death at fine levels of detail. Only abridged classifications have been used in this publication in order to present an overview of causes of death. Death statistics at finer levels of detail can be made available on request.
- Australian Standard Geographical Classification** **20** The current Australian Standard Geographical Classification (ASGC Edition 2.1) was implemented in January 1991, and is used for Tables 7 and 9.
- Legal local government areas (LGAs)** **21** These, as defined under the Victorian Local Government Act, are spatial units which represent the geographical areas of incorporated local government councils, such as Cities (C), Towns (T), Boroughs (B), and Shires (S).
- Statistical local areas (SLAs)** **22** These are the smallest types of spatial units in the ASGC for which data are presented in this publication. They correspond either to legal local government areas (LGAs) or to suburbs in certain urban legal LGAs. In some cases legal LGAs overlap statistical subdivision boundaries and therefore comprise two SLAs (Part A and Part B), and form the intermediate size spatial unit for the presentation of regional data. The unincorporated area of Victoria also forms a SLA. In aggregate, SLAs cover the whole of the State without gaps or overlaps.

- Statistical subdivisions (SSDs) **23** These consist of one or more SLAs.
- Statistical divisions (SDs) **24** Statistical Divisions consist of one or more Statistical Subdivisions and cover, in aggregate, the whole of Australia without gaps or overlaps. They do not cross State or Territory boundaries and are the largest statistical area building blocks of which the Australian States and internal Territories are composed. They do not cross LGA boundaries in Victoria, except for the Shire of Upper Yarra, which is divided between Melbourne Statistical Division and Gippsland Statistical Division.
- Statistical districts **25** These have been defined around selected urban areas to provide comparable statistics over a period of time. These districts, which are intended to contain the anticipated urban spread for at least 20 years, are generally defined as having a population of at least 25,000 or more and experiencing urban growth beyond the legal LGA boundaries.
- Not Stated **26** 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 have been suppressed throughout this publication but the figures for them have been included in the relevant totals.
- Quality control **27** In compiling statistics on deaths, the ABS employs a variety of quality control measures to ensure that the statistics are as reliable as possible. These measures include: contacting Registries to obtain missing information and to query unlikely details; seeking further information where necessary from the certifying doctor or coroner 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.
- Related publications **28** Publications for other States, containing death statistics corresponding to those included in this publication, are available on request (Catalogue Nos. 3312.x)
- Other publications **29** Users may also wish to refer to the following publications, which are available on request.
- Victorian publications *Hospital Morbidity* (4301.2) - Final issue: 1990-91 (\$8.00)
Demography (3311.2) - Latest issue: 1992 (\$27.00)
Deaths (3302.2) - Previous issue 1992 (\$14.50)
- National publications *Births* (3306.0) - Latest issue: 1993 (\$12.50)
Pernatal Deaths (3304.0) - Latest issue: 1993 (\$15.00)
Causes of Death (3303.0) - Latest issue: 1993 (\$17.50)
Deaths (3302.0) - Latest issue: 1993 (\$18.50)
Estimated Resident Population by sex and age, States and Territories (3201.0) - Latest issue: June 1993 (\$15.50)
- Current publications **30** This is the final issue of *Deaths, Victoria*. In future, selected causes of death statistics will be published in *Causes of Death, Australia* (3303.0). Victorian death statistics are available in *Demography, Victoria* (3311.2).
- 31** Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (1101.0). The ABS also issues the *Publications Advice* (1105.0) on Tuesdays and Fridays which lists publications to be released in the next few days. Both the Catalogue and the Publications Advice are available from Information Services in any ABS Office.

Unpublished statistics

32 As well as the statistics included in this and related publications, the ABS may have other relevant unpublished data available. Inquiries should be made to the contact shown at the front of this publication.

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

Discrepancies

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

Symbols and other usages

ICD	International Classification of Diseases (produced by the World Health Organization)
M	Males
F	Females
P	Persons
p	preliminary — figure or series subject to revision
r	figure or series revised since previous issue
—	nil or rounded to zero (including null cells)

APPENDIX A

DATA ITEMS AVAILABLE

For deaths of persons usually resident in Victoria

General deaths

Month and year of registration of death
 Day, month and year of death
 State in which death was registered
 Sex
 Age at death
 Occupation (aged 15 to 64 years only)
 Underlying cause of death
 Birthplace
 Period of residence in Australia if born overseas
 Local government area of usual residence
 Marital status
 Number of children of the deceased
 Age at first marriage

Perinatal deaths

Particulars relating to death
 Month and year of registration
 Whether or not certified cause of death was confirmed by post-mortem examination

Particulars relating to mother

Age
 Usual residence (local government area)
 Number of Previous pregnancies
 Date of delivery

Particulars relating to child

Date of birth
 Date of death
 Sex
 Plurality
 Birthweight
 Age at death, if born alive
 Cessation of heartbeat (before or during labour,
 after delivery etc.)
 Time dead in utero, if stillborn
 Main disease or condition in fetus or infant
 Main maternal disease or condition affecting fetus or infant

For each death registered in Victoria

All of the above items as above.

APPENDIX B

UNPUBLISHED TABLES (subject to confidentiality constraints)

Table number

General deaths (a)

- 1 Cause of death (60 groups) by age (5-year groups) by sex
- 2 Cause of death (ICD three-digit level) by sex
- 3 Cause of death (ICD three-digit level) by age (5-year groups) by sex
- 4 Cause of death (ICD four-digit level) by sex
- 5 Cause of death (ICD four-digit level) by age (5-year groups) by sex
- 6 Cause of death (ICD three-digit level) by usual residence (capital city statistical division/other) by age (10-year groups) by sex
- 7 Cause of death (ICD three-digit level) by statistical division of usual residence by age (10-year groups) by sex
- 8 Infant deaths by cause of death (ICD three-digit level) by age (days/weeks/months) by sex
- 9 Infant deaths by cause of death (ICD four-digit level) by age (days/weeks/months) by sex
- 10 Cause of death (ICD three-digit level) for incorporated cities and towns in Victoria

Perinatal deaths (b)

- 1 Main condition in fetus/infant by age of mother by sex
- 2 Main condition in fetus/infant by weight at birth by sex
- 3 Main condition in fetus/infant by period of gestation by sex
- 4 Main condition in fetus by time of cessation of heartbeat by sex
- 5 Main condition in infant by age at death by sex
- 6 Main condition in fetus/infant (ICD four-digit level) by cessation of heartbeat by sex
- 7 Main condition in fetus/infant by main condition in mother by sex
- 8 Main condition in mother by age of mother by sex
- 9 Main condition in mother by weight at birth by sex
- 10 Main condition in mother by period of gestation by sex
- 11 Main condition in mother by time of cessation of heartbeat by sex
- 12 Main condition in mother by age at death by sex
- 13 Main condition in mother (ICD four-digit level) by cessation of heartbeat by sex

(a) Tables 1 to 9 are available for each State and Territory and for Australia. All tables are compiled on the basis of the State or Territory of usual residence of the deceased. However, Tables 1 to 5 are also compiled on the basis of the State or Territory of registration of the death. (b) Comprising perinatal deaths in respect of mothers. Unless otherwise indicated, 50 groups are shown for main condition in fetus/infant and 18 groups for main condition in mother.

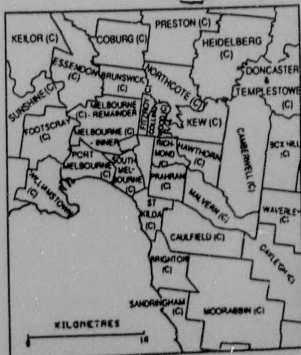


MELBOURNE STATISTICAL DIVISION

Statistical Local Areas

As at September 1992

City (C) Shire (S)



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