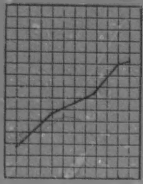




VICTORIA



Deaths, Victoria 1991

Catalogue No. 3312.2

CONTENTS

<i>Table</i>		<i>Page</i>
	Summary of Findings	2
1	Deaths: Summary, Victoria, 1976, 1981, 1986 and 1989 to 1991	5
2	Deaths: Age at Death by Sex, Numbers, Rates and Proportions, Victoria, 1989 to 1991	5
3	Infant Deaths and Death Rates: Age at Death by Sex, Victoria, 1991	6
4	Deaths: Month and Year of Occurrence, Victoria, 1986 to 1991	6
5	Deaths: State or Territory of Usual Residence and State or Territory of Registration, 1991	6
6	Expectation of Life by Age and Sex, Victoria, 1976, 1981, 1986 and 1989 to 1991	7
7	Deaths: Numbers and Rates by Statistical Local Area of Usual Residence, Victoria, 1991	8
8	Deaths: Numbers, Proportions and Rates for Leading Causes by Sex, Victoria, 1991	10
9	Deaths: Leading Causes by Statistical Division of Usual Residence, Numbers, Proportions and Rates, Victoria, 1991	11
10	Deaths: Cause by Sex, Victoria, 1989 to 1991	12
11	Deaths: Cause by Sex and Age Group, Victoria, 1991	13
12	Deaths: Numbers, Proportions and Rates for Age Groups by Leading Causes and Sex, Victoria, 1989 to 1991	16
	<i>Perinatal Deaths, Fetal and Neonatal Deaths, Victoria</i>	
13	Numbers and Rates by Sex, 1986 to 1991	18
14	Main Cause or Condition in Fetus/Infant and Mother, 1990 and 1991	18
15	Selected details: Age at Death, Weight at Birth, Period of Gestation and Age Group of Mother, 1990 and 1991	19
	Explanatory Notes	20

APPENDIXES

A. Data items available	24
B. Unpublished tables	25
C. Changes to Statistical Division (SD) boundaries	26
Maps: Melbourne Statistical Division and Statistical Divisions, Victoria	

INQUIRIES . for more information about statistics in this publication and the availability of related unpublished statistics, contact Tracy Stewart or Sam Savage on (03) 615 7000 or any ABS State office.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

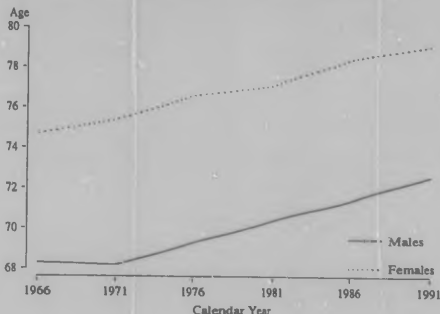
Total deaths

■ There were 31,216 deaths of Victorian residents registered in 1991, a marginal increase of 0.7 per cent from the 30,986 deaths registered in 1990. Of the 31,216 deaths registered, 16,508 were males and 14,708 were females, (a ratio of 112 male deaths per 100 female deaths).

Median age at death

■ The median age at death in 1991 for males was 72.6 years and for females 79.1 years, both higher than the Australian median ages of 72.2 and 78.8 years respectively.

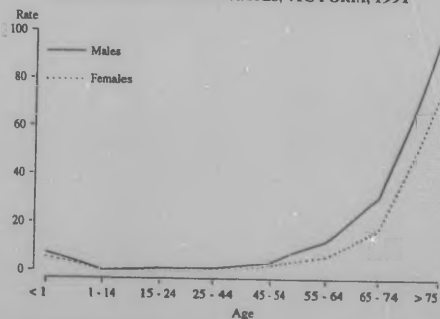
MEDIAN AGE AT DEATH, VICTORIA, 1966-1991



Age specific death rate

■ There were consistently lower death rates for females compared to males in all age groups for 1991. The risk of death is relatively high in the first year of life, then falls rapidly until 55 years for males and 65 for females.

AGE SPECIFIC DEATH RATES, VICTORIA, 1991



Life Expectancy

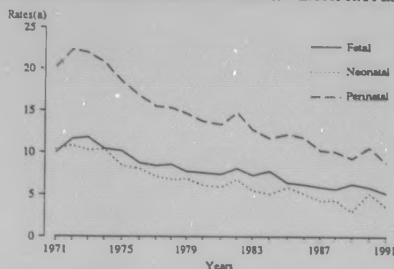
■ Since the mortality rates of females are relatively lower than for males, their life expectancy is greater in each age group. The life expectancy of a female child born in 1991 to a mother resident in Victoria exceeds 80 years (80.3), while for a male child the expectancy is 74.5 years.

Perinatal deaths

■ In 1991 there were 578 perinatal deaths comprising 340 fetal and 238 neonatal deaths, with a mortality rate of 5.2 and 3.6 (per 1,000 live births) respectively.

Hypoxia, birth asphyxia and other respiratory conditions was the major cause of perinatal death (55.7 per cent), followed by *congenital anomalies* (20.8 per cent). *Complications of placenta, cord and membranes* were the main condition in mothers causing perinatal deaths.

FETAL, NEONATAL AND PERINATAL DEATH RATES (a)



(a) Deaths per 1,000 live births and fetal deaths combined.

Infant deaths

■ In 1991 there were 428 infant deaths (249 males and 179 females), a decrease of 18.2 per cent over the 523 infant deaths in 1990. The infant mortality rate (per 1,000 live births) was 6.5 in 1991, which is significantly lower than in the 1970's.

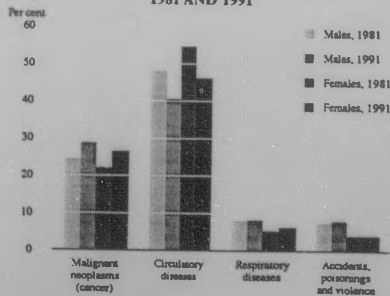
Certain conditions originating in the perinatal period (which includes prematurity, birth injury and respiratory conditions present from birth) accounted for 47.0 per cent of male and 48.0 per cent of female deaths in 1991. Infant deaths from *congenital anomalies* accounted for 26.1 and 26.8 per cent of male and female deaths respectively. *Sudden death, cause unknown* (includes sudden infant death syndrome) accounted for 18.9 per cent of male and 12.3 per cent of female deaths.

Causes of death

■ The main cause of death for Victorian residents in 1991 was *diseases of the circulatory system* (including *ischaemic heart disease and cerebrovascular disease*), followed by *malignant neoplasms*. *Diseases of the circulatory system* accounted for 40.5 per cent of male and 46.1 per cent of female deaths, and *malignant neoplasms* for 28.7 per cent of male and 26.5 per cent of female deaths.

For the first time in recent years, 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, 1981 AND 1991



Diseases of the circulatory system

■ The most common cause of death under this broad category was *ischaemic heart disease* (heart attacks), which accounted for 25.6 per cent of male and 23.2 per cent of female deaths. *Cerebrovascular disease (including stroke)* was the other component with 1,169 male (7.1 per cent) and 1,735 female (11.8 per cent) deaths.

Malignant neoplasms

■ The number of deaths due to *malignant neoplasms* increased by 5 per cent from 8,204 deaths in 1990 to 8,640 deaths in 1991.

The major cause of death among the 45-64 age group for both males and females was neoplasm, which accounted for 40.1 and 56.7 per cent respectively.

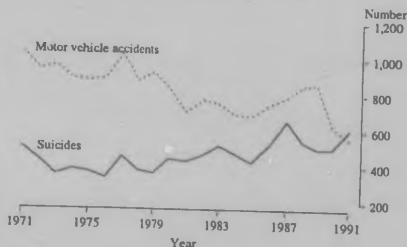
Malignant neoplasms located in the respiratory and intrathoracic organs for males, and in breasts for females, were the most common primary sites.

Accidents, poisonings and violence

■ Deaths due to external causes were the leading causes of death for ages 15-44, where the percentage of male deaths was significantly higher (nearly 3.6 times) than for females.

The number of *suicides* increased by 21.6 per cent from 499 in 1990 to 607 in 1991, while *motor vehicle traffic accidents* decreased by 11.4 per cent, from 623 to 552.

DEATHS DUE TO SUICIDES AND MOTOR VEHICLE ACCIDENTS, VICTORIA, 1971-1991



Diseases of the respiratory system

■ The most common cause in this category was *chronic obstructive pulmonary disease*, which included asthma, emphysema and bronchitis. This category accounted for deaths among males and females mainly in the ages of 55 and over.

Acquired immune deficiency syndrome (AIDS)

■ Deaths where AIDS was determined as the underlying cause are included in class 111, *endocrine, nutritional and metabolic diseases and immunity disorders*. There were 90 male and 2 female deaths attributed to AIDS in 1991, compared with 70 and 2 deaths in 1990 respectively.

TABLE 1. DEATHS: SUMMARY, VICTORIA

Particulars	1976	1981	1986	1989	1990	1991
Deaths						
Males	16,711	15,728	16,021	17,079	16,321	16,508
Females	14,042	13,360	14,154	15,300	14,665	14,708
Persons	30,753	29,088	30,175	32,379	30,986	31,216
Sex ratio (male deaths per 100 female deaths)	119	118	113	112	111	112
Median age at death (years)						
Males	69.3	70.3	71.4	72.4	72.3	72.6
Females	76.6	77.1	78.4	79.2	79.1	79.1
Crude death rate(a)						
Males	8.8	8.0	7.8	8.0	7.5	7.5
Females	7.4	6.7	6.8	7.0	6.7	6.6
Persons	8.1	7.4	7.3	7.5	7.1	7.1
Infant deaths(b)	702	554	517	414	523	428
Infant mortality rate(c)	11.6	9.3	8.6	6.6	7.8	6.5

(a) Number of deaths per 1,000 of mean population, rates from 1986 - 90 revised using 1991 preliminary Census results (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, NUMBERS, RATES AND PROPORTIONS, VICTORIA

Age at death (years)	Number			Rate(a)		Proportion (per cent)	
	1989	1990	1991	1989r	1990r	1991	1991
Males							
Under 1	248	305	249	7.7	9.2	7.4	1.5
1-4	45	71	40	0.4	0.6	0.3	0.2
5-9	35	32	29	0.2	0.2	0.2	0.2
10-14	41	29	47	0.3	0.2	0.3	0.3
15-19	181	153	148	1.0	0.8	0.8	0.9
20-24	252	226	237	1.4	1.2	1.3	1.4
25-29	263	236	217	1.4	1.3	1.2	1.3
30-34	245	232	213	1.4	1.3	1.2	1.3
35-39	255	234	233	1.6	1.4	1.4	1.4
40-44	280	327	309	1.8	2.0	1.9	1.9
45-49	396	355	413	3.2	2.8	3.1	2.5
50-54	580	510	511	5.5	4.7	4.6	3.1
55-59	955	862	870	9.8	9.0	9.1	5.3
60-64	1,548	1,483	1,507	16.3	15.5	15.8	9.1
65-69	2,161	2,074	1,975	27.7	26.0	24.2	12.0
70-74	2,382	2,287	2,323	44.5	41.5	40.4	14.1
75-79	2,811	2,680	2,677	72.0	67.1	65.4	16.2
80-84	2,299	2,168	2,464	112.9	101.5	110.5	14.9
85 and over	2,098	2,055	2,044	199.4	189.3	175.5	12.4
Total	17,079	16,321	16,508	8.0	7.5	7.5	100.0
Females							
Under 1	166	218	179	5.4	6.9	5.6	1.2
1-4	50	34	31	0.4	0.3	0.2	0.2
5-9	26	21	24	0.2	0.1	0.2	0.2
10-14	24	28	21	0.2	0.2	0.1	0.1
15-19	65	67	50	0.4	0.4	0.3	0.3
20-24	88	78	85	0.5	0.4	0.5	0.6
25-29	76	80	93	0.4	0.4	0.5	0.6
30-34	116	96	103	0.7	0.5	0.5	0.6
35-39	125	122	133	0.8	0.7	0.8	0.7
40-44	165	165	186	1.4	1.0	1.1	1.3
45-49	221	210	233	1.9	1.7	1.8	1.6
50-54	325	326	353	3.2	3.1	3.3	2.4
55-59	465	441	447	4.9	4.7	4.8	3.0
60-64	821	789	746	8.4	8.1	7.7	5.1
65-69	1,220	1,212	1,188	13.7	13.4	13.4	8.3
70-74	1,650	1,566	1,524	24.2	22.6	22.4	11.0
75-79	2,389	2,265	2,284	42.4	39.4	38.8	15.5
80-84	2,658	2,579	2,565	73.5	69.2	66.8	17.4
85 and over	4,603	4,368	4,353	167.2	157.8	151.8	29.6
Total	15,300	14,665	14,708	7.0	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, 1991

Age at death	Number(a)			Infant death rate(b)		
	Males	Females	Persons	Males	Females	Persons
Under 1 day	98	72	170	2.9	2.3	2.6
1 day and under 7 days	44	27	71	1.3	0.8	1.1
1 week and under 4 weeks	20	17	37	0.6	0.5	0.6
Total under 4 weeks	162	116	278	4.8	3.6	4.2
4 weeks and under 12 months	87	63	150	2.6	2.0	2.3
Total under 1 year	249	179	428	7.4	5.6	6.5

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

Note: Figures in this table differ from those shown in tables 13, 14 and 15 regarding neonatal deaths under 4 weeks. In this table the definition of birthweight for perinatal deaths (see Explanatory notes paragraph 5) does not apply, all infant deaths are included.

TABLE 4. DEATHS: MONTH AND YEAR OF OCCURRENCE (a), VICTORIA, 1986 TO 1991

Month of occurrence	Year of occurrence					
	1986	1987	1988	1989	1990	1991
January	2,410	2,461	2,509	2,497	2,446	2,492
February	2,120	2,171	2,228	2,169	2,181	2,147
March	2,392	2,442	2,447	2,478	2,499	2,571
April	2,423	2,401	2,437	2,485	2,358	2,526
May	2,557	2,610	2,603	2,628	2,670	2,723
June	2,687	2,655	2,738	2,766	2,687	2,588
July	2,913	2,910	2,843	3,059	2,775	2,777
August	2,727	2,935	2,878	3,225	2,697	2,853
September	2,572	2,909	2,669	3,183	2,706	2,685
October	2,614	2,692	2,695	2,758	2,691	2,564
November	2,414	2,441	2,437	2,512	2,464	2,412
December	2,519	2,498	2,547	2,456	2,524	2,528
Total	30,348	31,125	31,031	32,216	30,698	30,866

(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 1992. 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, 1991

State or Territory of usual residence	State or Territory of registration								Australia
	NSW	Vic	Qld	SA	WA	Tas.	NT	ACT	
New South Wales	41,786	187	235	48	20	9	—	—	—
Victoria	209	30,839	70	40	22	14	10	172	42,467
Queensland	218	42	18,889	6	3	3	11	11	31,216
South Australia	32	42	16	11,050	15	—	18	3	19,175
Western Australia	16	15	8	11	9,469	—	8	1	11,176
Tasmania	12	29	2	1	2	3,637	2	1	9,528
Northern Territory	1	2	6	30	7	—	756	—	3,686
Australian Capital Territory	62	2	4	2	—	1	3	1,022	802
Total registrations	42,336	31,158	19,230	11,188	9,538	3,664	819	1,213	119,146

TABLE 6. EXPECTATION OF LIFE, VICTORIA

Expectation of life at exact age (years) (a)	1976	1981	1986	1989(b)	1990(b)	1991
MALES						
0	69.97	71.90	73.18	73.56	74.25	74.50
1	69.80	71.64	72.89	73.12	73.91	74.05
10	61.09	62.91	64.13	64.29	65.15	65.20
20	51.52	53.26	54.49	54.64	55.43	55.53
30	42.15	43.85	45.17	45.35	46.07	46.15
40	32.71	34.34	35.66	35.94	36.63	36.67
50	23.80	25.29	26.48	26.72	27.40	27.46
60	16.08	17.35	18.19	18.38	18.90	19.01
65	12.81	13.88	14.65	14.74	15.23	15.34
70	9.94	10.83	11.53	11.54	11.98	12.04
80	5.73	6.27	6.57	6.52	6.87	6.76
FEMALES						
0	76.70	78.41	79.43	79.65	80.14	80.27
1	76.54	78.08	79.03	79.08	79.68	79.73
10	67.77	69.26	70.21	70.28	70.82	70.86
20	57.96	59.43	60.38	60.44	61.00	61.01
30	48.21	49.70	50.66	50.71	51.25	51.27
40	38.57	40.01	40.94	41.03	41.54	41.58
50	29.34	30.71	31.50	31.61	32.04	32.14
60	20.80	21.98	22.63	22.68	23.08	23.22
65	16.88	17.97	18.49	18.54	18.93	19.05
70	13.28	14.26	14.71	14.69	15.06	15.18
80	7.29	8.07	8.30	8.29	8.50	8.64

(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. (b) 1989 and 1990 figures have been revised to incorporate preliminary 1991 Census results. These will be finalised early in 1993 using final Census results.

TABLE 7. DEATHS: NUMBERS AND RATES BY STATISTICAL LOCAL AREA OF USUAL RESIDENCE
VICTORIA, 1991

Statistical division Statistical local area (a)	Number	Rate(a)	Statistical division Statistical local area (a)	Number	Rate(a)
Melbourne	21,106	6.7	Otway (S)		
Altona (C)	194	5.4	Queenscliffe (B)	38	9.4
Berwick (C)	245	3.4	South Barwon (C) (Pt A & Pt B)	67	20.2
Box Hill (C)	481	10.1	Winchelsea (S)	288	6.7
Brighton (C)	401	11.7		33	6.6
Broadmeadows (C)	575	5.4	Western Districts	913	8.7
Brunswick (C)	323	7.8	Belfast (S)	7	4.7
Bulls (S)	136	3.4	Camperdown (T)	39	11.2
Camberwell (C)	812	9.2	Dundas (S)	12	3.4
Canfield (C)	755	10.6	Glenelg (S)	36	8.5
Chelsea (C)	249	9.2	Hamilton (C)	118	11.6
Coburg (C)	454	8.6	Hampden (S)	74	10.3
Collingwood (C)	110	7.8	Heytesbury (S)	56	7.3
Cranbourne (S)	280	3.8	Heywood (S)	53	7.1
Croydon (C)	257	5.4	Lady Julia Percy & Towerhill	—	—
Dandenong (C)	369	5.2	Minhamite (S)	16	8.7
Dimond Valley (S)	250	3.9	Mortlake (S)	28	8.8
Doncaster and Templestowe (C)	453	4.2	Mount Rouse (S)	27	11.5
Eltham (S)	203	4.5	Port Fairy (B)	29	11.3
Essendon (C)	586	10.6	Putland (C)	93	8.7
Fitzroy (C)	147	8.0	Wannon (C)	35	12.1
Flinders (S)	555	14.1	Warmambool (C)	229	9.2
Footscray (C)	467	9.6	Warmambool (S)	61	5.7
Frankston (C)	727	8.2			
Hastings (S)	153	5.1	Central Highlands	1,177	8.4
Hawthorn (C)	291	9.2	Ararat (C)	104	12.9
Healesville (S)	83	6.8	Ararat (S)	27	6.0
Heidelberg (C)	552	8.8	Avoca (S)	24	10.6
Keilor (C)	419	3.8	Bacchus Marsh (S)	67	5.4
Kew (C)	341	11.9	Ballarat (C)	458	12.6
Lilydale (S)	541	4.3	Balian (S)	33	6.8
Malvern (C)	345	4.2	Ballarat (S) (Pt A & Pt B)	152	7.9
Melbourne (C) (Inner & Remainder)	426	9.8	Bungaree (S) (Pt A & Pt B)	14	3.0
Melton (S)	442	7.8	Buninyong (S) (Pt A & Pt B)	34	2.7
Moorabbin (C)	103	2.9	Creswick (S)	50	10.0
Moorabbin (C)	794	8.1	Daylesford and Glenlyon (S)	59	9.9
Mordialloc (C)	259	9.4	Grenville (S) (Pt A & Pt B)	37	4.4
Mornington (S)	282	8.9	Lexton (S)	8	5.7
Northcote (C)	452	9.3	Ripon (S)	21	5.8
Nunawading (C)	657	6.9	Schastopol (B)	64	8.3
Oakleigh (C)	378	6.6	Talbot and Clunier (S)	25	10.0
Pakenham (S)	142	4.9			
Port Melbourne (C)	75	9.6	Wimmera	510	9.5
Prahran (C)	470	10.6	Arapiles (S)	12	6.0
Preston (C)	766	9.6	Dimboola (S)	47	10.9
Richmond (C)	175	7.4	Donald (S)	30	11.7
Ringwood (C)	282	6.7	Dunmunkle (S)	35	12.3
St Kilda (C)	443	9.3	Horsham (C)	110	8.4
Sandringham (C)	295	9.2	Kaniva (S)	15	9.0
Sherbrooke (B)	158	4.1	Kara Kara (S)	6	4.7
South Melbourne (C)	204	11.2	Kowree (S)	30	8.1
Springvale (C)	458	4.9	Lowan (S)	37	11.6
Sunshine (C)	549	5.6	St Arnaud (T)	41	14.7
Upper Yarra (S) (Pt A)	73	4.8	Stawell (C)	76	11.4
Waverley (C)	672	5.4	Stawell (S)	11	4.1
Wernbee (C)	261	3.5	Warracknabeal (S)	52	13.4
Whittlesea (C)	293	3.0	Wimmera (S)	8	2.7
Williamstown (C)	243	10.5			
Barwon	1,753	7.7	Mallee	611	7.4
Bannockburn (S) (Pt A & Pt B)	20	4.4	Birchip (S)	11	8.4
Barrabool (S) (Pt A & Pt B)	43	4.2	Karkaroo (S)	28	10.2
Bellarine (S) (Pt A & Pt B)	294	6.8	Kerang (B)	34	8.1
Colac (C)	139	14.3	Kerang (S)	33	7.5
Colac (S)	44	6.2	Mildura (C)	158	7.7
Corio (S) (Pt A & Pt B)	352	6.1	Mildura (S) (Pt A & Pt B)	136	6.5
Geeelong (C)	135	10.1	Swan Hill (C)	75	7.7
Geeelong West (C)	193	13.4	Swan Hill (S)	79	6.7
Lalgh (S)	15	6.5	Walpeup (S)	33	9.8
Newtown (C)	92	9.0	Wycheproof (S)	24	7.6

TABLE 7. DEATHS: NUMBERS AND RATES BY STATISTICAL LOCAL AREA OF USUAL RESIDENCE
VICTORIA, 1991—continued

Statistical division Statistical local area (a)	Number	Rate(a)	Statistical division Statistical local area (a)	Number	Rate(a)
<i>Loddon Campaspe</i>	1,469	8.3	<i>Ovens Murray</i>	657	7.1
Bendigo (C)	427	13.4	Boocworth (S)	64	12.6
Bet Bet (S)	19	9.0	Bright (S)	34	4.9
Castlemaine (C)	98	13.7	Chilem (S)	17	6.2
Charlton (S)	21	11.6	Myrtleford (S)	40	9.1
Cohuna (S)	42	9.1	Oxley (S)	18	3.1
Eaglehawk (B)	79	9.0	Rutherglen (S)	39	11.0
East Loddon (S)	8	6.0	Tallangatta (S) (Pt A & Pt B)	39	8.8
Echuca (C)	80	8.2	Upper Murray (S)	21	8.5
Gisborne (S)	61	6.0	Wangarata (C)	152	9.4
Gordon (S)	31	10.4	Wangarata (S)	14	4.3
Huntly (S) (Pt A & Pt B)	23	4.8	Wodonga (Rural City)	137	5.0
Koroang (S)	38	10.8	Yackandandah (S)	16	3.3
Kyneton (S)	98	11.3	Yarrawonga (S)	66	11.6
Melvor (S)	23	6.9			
Maldon (S)	18	5.9	<i>East Gippsland</i>	561	8.3
Marong (RC) (Pt A & Pt B)	65	4.3	Avon (S)	24	5.1
Maryborough (C)	105	13.5	Bairnsdale (C)	139	11.8
Metcalfe (S)	23	7.0	Bairnsdale (S) (Pt A & Pt B)	54	7.1
Newham and Woodend (S)	27	5.0	Maffra (S)	101	9.4
Newstead (S)	20	6.7	Ormeo (S)	13	7.5
Pyalong (S)	4	4.9	Orton (S)	50	7.4
Rochester (S)	58	7.3	Sale (C)	100	7.1
Romsey (S)	41	5.0	Tambo (S) (Pt A & Pt B)	80	7.6
Smithfieldsaye (S) (Pt A & Pt b)	39	2.1			
Tullaroop (S)	21	7.0	<i>Gippsland</i>	1,261	7.5
			Alberton (S)	58	8.9
<i>Goulburn</i>	1,101	7.1	Bass (S)	35	6.9
Alexandra (S)	55	8.8	Buln Buln (S)	92	7.9
Benalla (C)	106	12.0	French Island	—	—
Benalla (S)	15	2.7	Korumburra (S)	63	8.0
Broadford (S)	26	6.2	Mirboo (S)	18	6.7
Cobram (S)	52	7.9	Moe (C)	190	10.9
Deakin (S)	25	4.2	Morwell (C) (Pt A & Pt B)	151	5.4
Euroa (S)	55	11.8	Naracan (S) (Pt A & Pt B)	42	3.8
Goulburn (S)	38	14.0	Phillip Island (S)	64	12.0
Kilmore (S)	33	3.6	Rosedale (S)	41	4.4
Kyabram (T)	67	11.2	South Gippsland (S)	58	9.6
Manfield (S)	45	6.9	Traralgon (C)	125	6.1
Nathalia (S)	26	7.2	Traralgon (S) (Pt A & Pt B)	16	3.4
Numarkah (S)	54	7.6	Upper Yarra (Pt B)	13	23.2
Rodney (S) (Pt A & Pt B)	102	6.4	Warragul (S)	73	10.7
Seymour (S)	72	5.9	Wonthaggi (H)	100	8.6
Shepparton (C)	193	7.3	Woorayl (S)		
Shepparton (S) (Pt A & Pt B)	20	2.2			
Tungamah (S)	10	3.3			
Violet Town (S)	16	10.4			
Waranga (S)	55	11.6			
Yea (S)	36	7.2			
			<i>Victoria(b)</i>	31,216	7.1

(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) Including unincorporated islands and off-shore areas and migratory.

TABLE 8. DEATHS: NUMBERS, PROPORTIONS AND RATES FOR LEADING CAUSES (a), BY SEX, VICTORIA, 1991

Particulars	Heart disease	Malignant neoplasms (cancer)	Cerebro-vascular disease (incl. stroke)	Respiratory system diseases	Motor vehicle traffic accidents	Suicide	All causes
Numbers							
Males	5,027	4,745	1,169	1,368	390	472	16,508
Females	4,534	3,895	1,735	924	162	135	14,708
Persons	9,561	8,640	2,904	2,292	552	607	31,216
Proportions by sex (%)							
Males	52.6	54.9	40.3	59.7	70.7	77.8	52.9
Females	47.4	45.1	59.7	40.3	29.3	22.2	47.1
Persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Proportions by cause of death (%)							
Males	30.5	28.7	7.1	8.3	2.4	2.9	100.0
Female	30.8	26.5	11.8	6.3	1.1	0.9	100.0
Persons	30.6	27.7	9.3	7.3	1.8	1.9	100.0
Crude death rates (b)							
Males	229.5	216.6	53.4	62.4	17.8	21.5	753.5
Females	203.6	174.9	77.9	41.5	7.3	6.1	660.4
Persons	216.4	195.6	65.7	51.9	12.5	13.7	706.6
Standardised death rates (c)							
Victoria	199.6	184.8	59.9	48.0	12.4	13.4	658.8
Australia	206.7	174.2	65.4	49.3	12.9	13.4	661.6

(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), 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 1986 Australian population as the standard population.

TABLE 9. DEATHS: LEADING CAUSES (a) BY STATISTICAL DIVISION OF USUAL RESIDENCE, NUMBERS, PROPORTIONS AND RATES, VICTORIA, 1991

Statistical division	Heart disease	Malignant neoplasms (cancer)	Cerebro-vascular disease (incl. stroke)	Respiratory system diseases	Motor vehicle traffic accidents	Suicide	All causes
NUMBERS							
Melbourne	6,362	5,956	1,987	1,532	325	417	21,106
Barwon	576	475	139	106	46	32	1,753
Western District	279	242	98	66	18	20	913
Central Highlands	386	284	99	102	19	22	1,177
Wimmera	178	140	50	30	12	2	510
Mallee	183	167	62	52	16	10	611
Loddon-Campaspe	471	386	144	107	20	32	1,469
Goulburn	305	307	109	79	34	20	1,101
Ovens Murray	183	184	53	55	19	10	657
East Gippsland	197	136	50	53	11	12	561
Gippsland	412	346	105	104	27	26	1,261
Victoria	9,561	8,640	2,904	2,292	552	607	31,216
PROPORTIONS (PER CENT)							
Melbourne	30.1	28.2	9.4	7.3	1.5	2.0	100.0
Barwon	32.9	27.1	7.9	6.0	2.6	1.8	100.0
Western District	30.6	26.5	10.5	7.2	2.0	2.2	100.0
Central Highlands	32.8	24.1	8.4	8.7	1.6	1.9	100.0
Wimmera	34.9	27.5	9.8	5.9	2.4	0.4	100.0
Mallee	30.0	27.3	10.1	8.5	2.6	1.6	100.0
Loddon-Campaspe	32.1	26.3	9.8	7.3	1.4	2.2	100.0
Goulburn	27.7	27.9	9.9	7.2	3.1	1.8	100.0
Ovens Murray	27.9	28.0	8.1	8.1	2.9	1.5	100.0
East Gippsland	35.1	24.2	8.9	9.4	2.0	2.1	100.0
Gippsland	32.7	27.4	8.3	8.2	2.1	2.1	100.0
Victoria	30.6	27.7	9.3	7.3	1.8	1.9	100.0
RATES (b)							
Melbourne	202.7	189.7	63.3	48.8	10.4	13.3	672.3
Barwon	252.5	208.2	60.9	46.5	20.2	14.0	768.5
Western District	267.2	231.8	91.9	63.2	17.2	19.2	874.3
Central Highlands	276.6	203.5	71.0	73.1	13.6	15.8	843.5
Wimmera	332.2	261.3	93.3	56.0	22.4	3.7	951.8
Mallee	222.3	202.9	75.3	63.2	19.4	12.1	742.3
Loddon-Campaspe	281.4	230.6	86.0	63.9	12.0	19.1	877.8
Goulburn	196.4	197.7	70.2	50.9	21.9	12.9	708.9
Ovens Murray	208.4	209.6	60.4	62.6	21.6	11.4	748.3
East Gippsland	290.0	200.2	73.6	78.0	16.2	17.7	826.0
Gippsland	243.6	204.6	62.1	61.5	16.0	15.4	745.5
Victoria	217.6	196.6	66.1	52.2	12.6	13.8	710.3

(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); suicide (ICD codes E950-E959). (b) 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)	1989		1990		1991	
	Males	Females	Males	Females	Males	Females
Class I <i>Infectious and parasitic diseases (001-139)</i>	72	80	71	88	84	73
Class II <i>Neoplasms (140-239)</i>						
Malignant neoplasms (cancer) (140-208)	4,657	3,631	4,621	3,876	4,808	3,940
Lip, oral cavity and pharynx (140-149)	4,597	3,588	4,576	3,628	4,745	3,895
Stomach (151)	122	47	114	59	145	56
Colon (153)	232	149	213	136	224	150
Pancreas (157)	437	452	458	446	399	480
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	183	187	201	196	193	179
Respiratory and intrathoracic organs (160-165)	485	346	501	326	520	379
Melanoma of skin (172)	1,313	442	1,313	438	1,205	503
Brain (174, 175)	103	73	105	71	105	73
Genitourinary organs (179-189)	4	669	7	711	5	742
Other and unspecified sites (170-171, 173, 190-199)	786	502	772	471	862	552
Lymphatic and haemopoietic tissue (200-208)	489	378	513	450	533	423
	443	343	379	344	424	388
Class III <i>Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>						
Diabetes mellitus (250)	488	523	558	481	526	521
	488	420	400	392	349	432
Class IV <i>Diseases of blood and blood-forming organs (280-289)</i>	39	60	51	65	48	58
Class V <i>Mental disorders (290-319)</i>	302	397	258	368	250	331
Class VI <i>Diseases of the nervous system and sense organs (320-389)</i>	347	341	315	352	291	364
Class VII <i>Diseases of the circulatory system (390-459)</i>						
All heart disease (393-398, 402, 404, 410-414, 415, 416, 420-429)	6,979	7,314	6,583	6,937	6,680	6,777
Acute myocardial infarction (410)	5,305	4,905	4,981	4,564	5,027	4,534
Other ischaemic heart disease (411-414)	2,870	2,333	2,711	2,345	2,624	2,236
Cerebrovascular disease (incl. stroke) (430-438)	1,590	1,348	1,490	1,158	1,595	1,173
	1,187	1,832	1,097	1,806	1,169	1,735
Class VIII <i>Diseases of the respiratory system (460-519)</i>						
Pneumonia and influenza (480-487)	1,594	1,090	1,371	913	1,368	924
Chronic obstructive pulmonary disease and allied conditions (490-496)	212	308	178	241	152	223
	1,215	660	1,043	555	1,085	594
Class IX <i>Diseases of the digestive system (520-579)</i>						
Ulcer of stomach and duodenum (531-533)	596	525	542	514	524	532
Chronic liver disease and cirrhosis (571)	118	125	90	126	70	117
	219	61	200	64	219	76
Class X <i>Diseases of the genitourinary system (580-629)</i>						
Nephritis, nephrotic syndrome and nephrosis (580-589)	183	249	231	238	232	244
	121	184	165	163	158	183
Class XI <i>Complications of pregnancy, childbirth and the puerperium (630-676)</i>	—	2	—	6	—	3
Class XII <i>Diseases of the skin and subcutaneous tissue (680-709)</i>	8	18	2	12	6	11
Class XIII <i>Diseases of the musculoskeletal system and connective tissue (710-739)</i>	65	147	63	127	53	129
Class XIV <i>Congenital anomalies (740-759)</i>	85	82	108	98	101	83
Class XV <i>Certain conditions originating in the perinatal period (760-779)</i>	79	64	137	107	118	87
Class XVI <i>Symptoms, signs and ill-defined conditions (780-799)</i>	124	84	94	64	81	48
Class XVII <i>Accidents, poisonings and violence (external causes) (E800-E999)</i>						
Motor-vehicle traffic accidents (E810-E819)	1,461	693	1,316	623	1,338	603
Accidental drowning and submersion (E910)	598	261	427	196	390	162
Suicide (E950-E959)	44	10	54	16	50	10
	380	119	399	100	472	135
All causes	17,079	15,300	16,321	14,665	16,508	14,708

TABLE 11. DEATHS: CAUSE BY SEX AND AGE GROUP, VICTORIA, 1991

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	—	1	2	2	7	20	24	12	7	10	84
		F	2	2	—	2	1	10	12	16	13	15	73
Class II	Neoplasms (140-239)	M	2	12	26	182	348	975	1,563	758	571	371	4,808
		F	—	12	18	240	349	660	1,085	580	491	505	3,940
	Malignant neoplasms (cancer) (140-208)	M	2	12	26	181	347	970	1,549	744	556	358	4,745
	F	—	12	18	238	346	657	1,077	569	481	497	3,895	
	Lip, oral cavity and pharynx (140-149)	M	—	—	2	8	28	46	41	11	7	2	145
	F	—	—	—	1	2	13	14	7	7	12	56	
	Stomach (151)	M	—	—	—	8	13	41	73	33	34	22	224
	F	—	—	—	7	5	22	35	24	22	35	150	
	Colon (153)	M	—	—	—	12	20	93	127	65	45	36	799
	F	—	—	—	17	28	62	128	71	65	79	450	
	Pancreas (157)	M	—	—	—	8	13	48	62	30	19	17	193
	F	—	—	—	3	9	22	44	36	36	29	179	
	Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	M	—	—	2	17	57	138	170	71	61	34	550
	F	—	—	1	11	20	56	99	67	57	68	379	
	Respiratory and intrathoracic organs (160-165)	M	—	—	—	23	78	302	534	195	110	63	1,305
	F	—	—	1	11	41	123	189	76	35	27	503	
	Melanoma of skin (172)	M	—	—	1	15	19	15	24	18	9	4	105
	F	—	—	—	12	9	16	14	10	4	8	73	
	Breast (174, 175)	M	—	—	—	—	—	1	2	—	—	1	5
	F	—	—	—	2	79	123	135	187	65	77	74	742
	Genitourinary organs (179-189)	M	—	—	3	14	31	92	241	188	168	125	862
	F	—	—	1	—	32	51	101	153	82	64	68	552
	Other and unspecified sites (170-171, 173, 190-199)	M	2	6	9	38	50	121	160	57	56	34	533
	F	—	4	4	35	95	56	111	66	60	52	423	
	Lymphatic and haematopoietic tissue (200-208)	M	—	6	9	41	38	73	115	75	47	20	424
	F	—	7	10	30	23	51	103	65	54	45	388	
Class III	Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	3	4	—	82	43	83	116	78	67	50	526
		F	3	4	3	8	12	39	135	104	107	106	521
	Diabetes mellitus (250)	M	—	1	—	8	16	59	87	71	63	44	349
	F	—	—	1	6	7	32	109	94	91	92	432	
Class IV	Diseases of blood and blood-forming organs (280-289)	M	1	—	1	2	1	5	11	14	8	7	48
		F	—	1	2	2	1	3	10	9	10	20	58
Class V	Mental disorders (290-319)	M	—	1	15	40	7	17	26	37	41	66	250
		F	—	—	7	11	4	5	22	43	56	183	331
Class VI	Diseases of the nervous system and sense organs (320-389)	M	1	11	14	16	15	36	47	44	63	44	291
		F	7	10	5	19	17	25	48	41	63	109	344
Class VII	Diseases of the circulatory system (390-459)	M	1	2	8	144	273	875	1,836	1,230	1,241	1,070	6,680
		F	2	5	7	49	95	253	1,066	1,134	1,443	2,723	6,777

TABLE 11. DEATHS: CAUSE BY SEX AND AGE GROUP, VICTORIA, 1991—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 XVI	Symptoms, signs and ill-defined conditions (780-799)	M	49	5	—	6	3	3	2	3	4	5	81	
		F	23	1	1	4	—	1	2	2	2	12	48	
Class XVII	Accidents, poisonings and violence (external causes) (E800-E999)	M	2	62	302	443	138	107	114	68	50	51	1,338	
		F	5	28	77	130	53	55	65	39	57	94	603	
		M	—	27	139	112	31	22	31	14	10	4	390	
		F	1	7	40	39	20	15	15	13	9	3	162	
		M	1	18	11	4	5	8	1	—	1	1	50	
		F	—	5	—	1	1	—	1	—	—	—	2	10
		M	—	2	102	218	57	38	27	17	6	5	472	
		F	—	—	25	51	21	21	8	4	4	1	135	
		M	249	116	385	972	924	2,377	4,298	2,677	2,464	2,044	16,508	
		F	179	76	135	515	586	1,193	2,832	2,274	2,565	4,353	14,708	
All causes														

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

Age group, cause of death and ICD code	1991				
	Proportion (b)			Rate (a)	
	Number	per cent	1989r	1990r	1991
MALES					
<i>Under 1 year</i>					
<i>All causes</i>					
<i>Certain conditions originating in the perinatal period (760-779)</i>	249	100.0	771.3	921.1	744.6
<i>Hyposmia, birth asphyxia and other respiratory conditions (768-770)</i>	117	47.0	239.0	407.7	349.9
<i>Symptoms, signs and ill defined conditions (780-799)</i>	54	21.7	115.1	169.1	161.5
<i>Sudden death, cause unknown (798)</i>	49	19.7	295.5	205.4	146.5
<i>Congenital anomalies (740-759)</i>	47	18.9	292.3	205.4	140.6
	65	26.1	180.4	235.6	194.4
<i>1-14 years</i>					
<i>All causes</i>					
<i>Accidents, poisonings and violence (E800-E999)</i>	116	100.0	27.2	29.6	25.9
<i>Motor vehicle traffic accidents (I810-I819)</i>	62	53.4	13.3	15.9	13.8
<i>Accidents caused by submersion, suffocation and foreign bodies (E910-E915)</i>	27	23.3	5.9	7.0	6.0
<i>Malignant neoplasms (cancer) (140-208)</i>	20	17.2	3.4	5.6	4.5
	12	10.3	4.5	4.3	2.7
<i>15-24 years</i>					
<i>All causes</i>					
<i>Accidents, poisonings and violence (E800-E999)</i>	385	100.0	118.4	103.6	105.8
<i>Motor vehicle traffic accidents (I810-I819)</i>	302	78.4	90.8	79.8	83.0
<i>Suicide (E950-E959)</i>	139	36.1	47.3	38.8	38.2
	102	26.5	19.7	23.5	28.0
<i>25-44 years</i>					
<i>All causes</i>					
<i>Accidents, poisonings and violence (E800-E999)</i>	972	100.0	153.8	149.0	139.3
<i>Suicide (E950-E959)</i>	413	45.6	71.2	65.3	63.5
<i>Motor vehicle traffic accidents (I810-I819)</i>	218	22.4	22.1	24.9	31.2
<i>Diseases of the circulatory system (390-459)</i>	112	11.5	31.5	18.8	16.1
<i>Malignant neoplasms (cancer) (140-208)</i>	144	14.8	21.7	20.4	20.6
	181	18.6	28.0	26.9	25.9
<i>45-54 years</i>					
<i>All causes</i>					
<i>Diseases of the circulatory system (390-459)</i>	924	100.0	430.5	370.1	382.4
<i>Acute myocardial infarction (410)</i>	271	29.5	138.1	130.5	113.0
<i>Malignant neoplasms (cancer) (140-208)</i>	86	9.3	57.8	44.9	35.6
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	347	37.6	147.3	133.9	143.6
<i>Accidents, poisonings and violence (E800-E999)</i>	138	14.9	67.0	46.6	57.1
<i>55-64 years</i>					
<i>All causes</i>					
<i>Diseases of the circulatory system (390-459)</i>	2,377	100.0	1,299.4	1,223.6	1,246.9
<i>Acute myocardial infarction (410)</i>	875	36.8	496.8	484.2	459.0
<i>Malignant neoplasms (cancer) (140-208)</i>	370	15.6	229.5	212.9	194.1
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	970	40.8	507.7	456.6	508.8
	302	12.7	179.1	167.0	158.4
<i>65-74 years</i>					
<i>All causes</i>					
<i>Diseases of the circulatory system (390-459)</i>	4,298	100.0	3,450.2	3,232.4	3,088.8
<i>Acute myocardial infarction (410)</i>	1,836	42.7	1,562.9	1,396.4	1,319.5
<i>Malignant neoplasms (cancer) (140-208)</i>	802	18.7	699.4	633.0	576.4
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	1,549	36.0	1,098.9	1,091.8	1,113.2
	534	12.4	351.6	359.5	383.8
<i>75 years and over</i>					
<i>All causes</i>					
<i>Diseases of the circulatory system (390-459)</i>	7,185	100.0	10,305.2	9,568.8	9,596.0
<i>Acute myocardial infarction (410)</i>	3,541	49.3	4,996.8	4,578.5	4,729.2
<i>Cerebrovascular disease (incl. stroke) (430-438)</i>	1,322	18.4	1,907.2	1,792.3	1,765.6
<i>Other ischaemic heart disease (411-414)</i>	723	10.1	1,042.2	895.5	965.6
<i>Malignant neoplasms (cancer) (140-208)</i>	737	10.3	985.1	914.9	984.3
<i>Diseases of the respiratory system (460-519)</i>	1,658	23.1	2,280.4	2,339.9	2,214.4
	783	10.9	1,321.0	1,074.3	1,045.7
<i>Total all ages</i>					
<i>All causes</i>					
<i>Diseases of the circulatory system (390-459)</i>	16,508	100.0	797.3	752.8	753.5
<i>Acute myocardial infarction (410)</i>	6,680	40.5	325.8	303.6	304.9
<i>Malignant neoplasms (cancer) (140-208)</i>	2,624	15.9	134.0	125.0	119.8
<i>Accidents, poisonings and violence (E800-E999)</i>	4,745	28.7	214.6	211.1	216.6
<i>Motor vehicle and other accidents or adverse effects (E800-E949)</i>	1,338	8.1	68.2	60.7	61.1
<i>Diseases of the respiratory system (460-519)</i>	765	4.6	45.1	36.6	34.9
	1,368	8.3	74.4	63.2	62.4

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

Age group, cause of death and ICD code	1991		Rate(a)		
	Number	Proportion(b) per cent	1989r	1990r	1991
FEMALES					
Under 1 year					
All causes	179	100.0	544.1	688.8	557.7
Certain conditions originating in the perinatal period (760-779)	86	48.0	209.8	338.1	268.0
Ilypoxia, birth asphyxia and other respiratory conditions (768-770)	33	18.4	91.8	110.6	102.8
Disorders relating to short gestation and unspecified low birthweight (765)	26	14.5	45.9	98.0	81.0
Congenital anomalies (740-759)	48	26.8	147.5	189.6	149.6
Symptoms, signs and ill-defined conditions (780-799)	23	12.8	127.8	113.8	71.7
Sudden death, cause unknown (798)	22	12.3	127.8	113.8	68.5
1-14 years					
All causes	76	100.0	23.6	19.5	17.7
Accidents, poisonings and violence (E800-E999)	28	36.8	9.4	9.2	6.5
Motor vehicle traffic accidents (E810-E819)	7	9.2	4.2	4.0	1.6
Malignant neoplasms (cancer) (140-208)	12	15.8	3.1	4.5	2.8
Congenital anomalies (740-759)	8	10.5	2.1	2.1	1.9
Diseases of the nervous system and sense organs (320-389)	10	13.2	1.9	1.2	2.3
15-24 years					
All causes	135	100.0	42.9	40.5	37.9
Accidents, poisonings and violence (E800-E999)	77	57.0	25.5	25.1	21.6
Motor vehicle traffic accidents (E810-E819)	40	29.6	19.3	14.5	11.2
Suicide (E950-E959)	25	18.5	3.4	5.0	7.0
Malignant neoplasms (cancer) (140-208)	18	13.3	4.8	2.8	5.1
25-44 years					
All causes	515	100.0	78.5	67.3	73.8
Malignant neoplasms (cancer) (140-208)	238	46.2	29.4	28.5	34.1
Accidents, poisonings and violence (E800-E999)	130	25.2	24.3	19.2	18.6
Motor vehicle traffic accidents (E810-E819)	39	7.6	10.4	6.1	5.6
Suicide (E950-E959)	51	9.9	8.6	6.4	7.3
Diseases of the circulatory system (390-459)	49	9.5	7.6	6.8	7.0
45-54 years					
All causes	586	100.0	250.7	238.7	252.1
Malignant neoplasms (cancer) (140-208)	346	59.0	150.6	147.4	148.9
Malignant neoplasms of breast (174)	123	21.0	45.0	46.8	52.9
Diseases of the circulatory system (390-459)	95	16.2	40.4	33.8	40.9
Acute myocardial infarction (410)	22	3.8	6.4	9.4	9.5
Accidents, poisonings and violence (E800-E999)	53	9.0	16.5	20.5	22.8
55-64 years					
All causes	1,193	100.0	668.7	643.6	628.4
Malignant neoplasms (cancer) (140-208)	657	55.1	336.9	335.9	346.1
Malignant neoplasms of breast (174)	135	11.3	81.6	80.1	71.1
Diseases of the circulatory system (390-459)	253	21.2	164.3	173.2	133.3
Acute myocardial infarction (410)	90	7.5	64.5	67.5	47.4
65-74 years					
All causes	2,832	100.0	1,827.0	1,740.3	1,735.2
Diseases of the circulatory system (390-459)	1,066	37.6	760.7	684.1	653.2
Acute myocardial infarction (410)	443	15.6	313.2	312.0	271.4
Cerebrovascular disease (incl. stroke) (430-438)	268	7.3	150.9	144.1	127.4
Malignant neoplasms (cancer) (140-208)	1,077	38.0	609.2	642.1	659.9
75 years and over					
All causes	9,192	100.0	8,039.1	7,519.8	7,314.1
Diseases of the circulatory system (390-459)	5,300	57.7	4,709.3	4,396.6	4,217.2
Acute myocardial infarction (410)	1,674	18.2	1,411.2	1,375.5	1,332.0
Cerebrovascular disease (incl. stroke) (430-438)	1,411	15.4	1,233.8	1,201.6	1,122.7
Other ischaemic heart disease (411-414)	894	9.7	858.9	720.0	711.4
Malignant neoplasms (cancer) (140-208)	1,547	16.8	1,188.8	1,146.9	1,211.0
Total all ages					
All causes	14,708	100.0	704.0	666.2	660.4
Diseases of the circulatory system (390-459)	6,777	46.1	336.6	313.1	304.3
Acute myocardial infarction (410)	2,236	15.2	107.4	106.5	100.4
Cerebrovascular disease (incl. stroke) (430-438)	1,735	11.8	84.3	82.0	77.9
Other ischaemic heart disease (411-414)	1,173	8.0	62.0	52.6	52.7
Malignant neoplasms (cancer) (140-208)	3,895	26.5	165.1	164.8	174.9
Diseases of the respiratory system (460-519)	924	6.3	50.2	41.5	41.5

(a) Deaths per 100,000 mid-year population for each age group, deaths per 100,000 mean 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									
1986	216	182	398	186	123	309	402	305	707
1987	197	165	362	169	98	267	366	263	629
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
RATE(a)									
1986	7.0	6.2	6.6	6.0	4.2	5.1	12.9	10.3	11.7
1987	6.2	8.2	5.9	5.3	3.3	4.3	11.5	8.7	10.2
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

(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	1991			1990		
	Fetal deaths	Neonatal deaths	Perinatal deaths Males Females Persons	Fetal deaths	Neonatal deaths	Perinatal deaths Males Females Persons
Main condition in fetus/infant	340	238	325 283 578	340	238	325 283 578
Slow fetal growth, fetal malnutrition and immaturity (764,765)	1	32	17 15 33	—	—	— 33 38
Birth trauma (767)	—	—	—	—	—	—
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	258	64	185 137 322	258	64	185 137 322
Fetal and neonatal haemorrhage (772)	6	32	23 15 38	6	32	23 15 38
Haemolytic disease of fetus and newborn (773)	1	1	— 2 2	1	1	— 2 2
Other conditions originating in the perinatal period (766, 771, 774-779)	33	19	22 30 52	33	19	22 30 52
Congenital anomalies (740-759)	39	81	70 50 120	39	81	70 50 120
All other causes (remainder of 001-999)	2	9	8 3 11	2	9	8 3 11
Main condition in mother	340	238	325 253 578	340	238	325 253 578
Maternal conditions which may be unrelated to present pregnancy (760)	54	22	41 35 76	54	22	41 35 76
Maternal complications of pregnancy (761)	32	70	54 48 102	32	70	54 48 102
Complications of placenta, cord and membranes (762)	129	35	104 60 164	129	35	104 60 164
Other complications of labour and delivery (763)	8	7	11 4 15	8	7	11 4 15
No maternal condition reported	117	104	115 106 221	117	104	115 106 221

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

Particulars	1991					1990
	Fetal deaths	Neonatal deaths	Perinatal deaths			Perinatal deaths
			Males	Females	Persons	
Age at death (a)						
Less than 1 hour	—	238	139	99	238	302
Less than 1 day	—	65	35	30	65	48
Less than 1 week	—	133	76	57	133	152
	—	201	119	82	201	226
Weight at delivery (grams)						
500- 999	340	238	325	253	578	705
1,000-1,999	81	93	102	72	174	238
2,000-2,999	81	50	81	50	131	180
3,000 or more	82	38	63	57	120	137
	74	49	67	56	123	127
Period of gestation (weeks)						
Less than 28	340	238	325	253	578	705
28-36	79	97	105	71	176	220
37-41	126	65	112	79	191	272
42 or more	126	68	98	96	194	194
	8	6	10	4	14	12
Age group of mother (years)						
Less than 20	340	238	325	253	578	705
20-24	22	10	19	13	32	37
25-29	65	41	62	44	106	123
30-34	110	75	103	82	185	253
35-39	107	72	104	75	179	201
40 or more	26	24	25	25	50	60
	9	7	7	9	16	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. 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 Statistical Local Area where the death took place.
- 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 Deaths 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, (refer appendix C) and is used for tables 7 and 9.
- Legal local government areas (LGA's)
- 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 (SLA's) **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 (SSD's) **23** These consist of one or more SLAs.
- Statistical divisions (SD's) **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) - Latest issue: 1990-91 (\$8.00)
Demography (3311.2) - Latest issue: 1991 (\$27.00)
Deaths (3302.2) - First issue: 1990 (\$14.00)
 (This publication covers the previous *Deaths* and *Causes of Death* publications)
- National publications
Births (3306.0) - Latest issue: 1991 (\$15.00)
Perinatal Deaths (3304.0) - Latest issue: 1991 (\$12.00)
Causes of Death (3303.0) - Latest issue: 1991 (\$15.00)
Deaths (3302.0) - Latest issue: 1991 (\$15.00)
Estimated Resident Population by sex and age States and Territories (3201.0) - Latest issue: June 1991 (\$10.00)

Current publications

30 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

31 In some cases, the ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, floppy disks, computer printout, tabulation. Generally, a charge is made for providing unpublished information. Inquiries should be made to the contact shown at the front of this publication.

32 The data items available for tabulation are listed in Appendix A and information on unpublished tabulations routinely produced is given in Appendix B. Selected social, economic, and population statistics are available on **DISCOVERY *656#**.

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)

Discrepancies

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

R.A. CROCKETT

Deputy Commonwealth Statistician

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 conditions in fetus/infant and 18 groups for main condition in mother.

APPENDIX C

**Changes to Statistical Division (SD) boundaries
(effective 1 January 1991)**

Victorian SD boundaries were established prior to the 1966 Census of Population and Housing. A review of these statistical geographic boundaries was recently undertaken by the ABS (with extensive input from various interested organisations) in line with certain criteria.

The main criteria in determining SD boundaries were that the boundaries were relatively homogeneous from social, economic, and geographic perspectives, that they would remain unchanged for a period of 15 to 20 years, and that any changes would be introduced in time for the 1991 Census of Population and Housing. As a result of this review a number of changes have been made to SDs.

These changes, implemented from 1 January 1991, are outlined below.

Statistical Division	Changes
Melbourne	Extended to include the entire Shires of Healesville, Pakenham and Cranbourne and Part A of the Shire of Upper Yarra.
Barwon	No change.
South Western	Name changed to Western District.
Central Highlands	No change.
Wimmera	The Shires of Karkaroc and Birchip have been included in Mallee SD. Now includes the Shire of Kara Kara and the Town of St Arnaud from Loddon-Campaspe.
Northern Mallee	Renamed Mallee. Now includes the Shires of Karkaroc and Birchip from Wimmera SD.
Loddon-Campaspe	The Shire of Kara Kara and the Town of St Arnaud have been included in Wimmera SD.
Goulburn	No change.
North Eastern	Renamed Ovens-Murray.
East Gippsland	Unincorporated Bass Strait Islands have been included in Gippsland SD.
Central Gippsland	Renamed Gippsland and extended to include Shires of Phillip Island and Bass, Part B of the Shire of Upper Yarra, Borough of Wonthaggi and unincorporated French Island and Bass Strait Islands.
East Central	Abolished. The statistical Local Areas which formed this SD have been included with Melbourne or Gippsland SDs.

Statistical Local Areas (SLA):
Changes to ASGC over the period 1986 to 1991:
Melbourne Statistical Division

Cranbourne (S)-Pts A & B	Merged to become: Cranbourne (S).
Healesville (S)-Pts A & B	Merged to become: Healesville (S).
Pakenham (S)-Pts A & B	Merged to become: Pakenham (S).
Upper Yarra (S)	Split into: Upper Yarra (S)-Pts A & B
Whittlesea (S)	Became a City: Whittlesea (C)

Rest of Victoria

Bairnsdale (T)	Became a City: Bairnsdale (C)
Bairnsdale (S)	Split into: Bairnsdale (S)-Pts A & B
Bellarine (S)-Pts A & B	Became a Rural City: Bellarine (RC)-Pts A & B
Marong (S)-Pts A & B	Became a Rural City: Marong (RC)-Pts A & B
Mildura (S)	Split into: Mildura (S)-Pts A & B
Morwell (S)-Pts A & B	Became a City: Morwell (C)-Pts A & B
Narracan (S)	Split into: Narracan (S)-Pts A & B
Portland (S)	Renamed: Heywood (S)
Stawell (T)	Became a City: Stawell (C)
Traralgon (S)	Split into: Traralgon (S)-Pts A & B
Tambo (S)	Split into: Tambo (S)-Pts A & B
Yackandandah (S)-Pts A & B	Merged to become: Yackandandah (S)

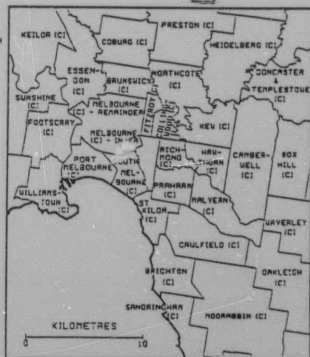


MELBOURNE STATISTICAL DIVISION

Statistical Local Areas

As at 1 January 1991 (interim)
City (C) Shire (S)

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VICTORIA

Statistical Local Areas

City (C) Town (T) Borough (B) Rural City (RC) Shire (S)

As at 1 January 1991 (interim)

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