

CAUSES OF DEATH VICTORIA, 1989

INQUIRIES

Inquiries concerning these statistics may be made by telephoning Information Services on Melbourne (03) 615 7000; for advice on the interpretation of these statistics ask for the Manager, Demography.

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NOTE

Information contained in this publication will in future appear in a new publication *Deaths, Victoria* (Catalogue No. 3312.2). This publication will contain annual statistics of deaths registered in Victoria, supplementing those published in the national publications *Deaths, Australia* and *Causes of deaths, Australia* (Catalogue No's. 3302.0 and 3303.0, respectively).

UNPUBLISHED DATA

The ABS can make available certain Cause of Death data which are not published:

- * data for small areas such as Statistical Divisions and Statistical Local Areas
- * Cause of death statistics with breakdowns for male and female, age distribution and 3 and 4 digit I.C.D data.

A fee is charged for this service.

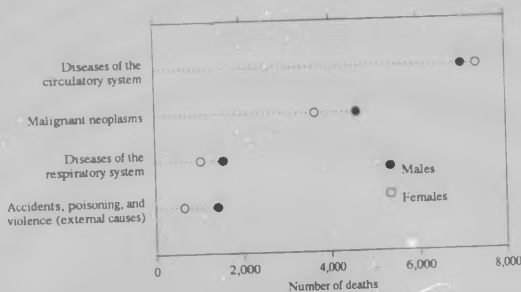
For further details please contact Kay Forster on (03) 615 7000.

SUMMARY OF FINDINGS

In 1989 there were 32,379 registered deaths of Victorian residents in Australia, an increase of 5.4 per cent over the previous year (30,726). The crude death rate was 7.5 deaths per thousand of the mean resident population of Victoria. The number of deaths registered in Australia was 124,232, an increase of 3.6 per cent on the 119,866 deaths registered in 1988.

Diagram 1

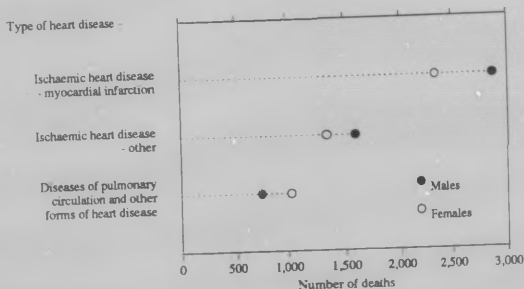
MAIN CAUSES OF DEATH, VICTORIA, 1989



Of Victorian residents, *Diseases of the circulatory system* accounted for 40.9 per cent of all male, and 47.8 per cent of all female deaths. *Ischaemic heart disease* (including heart attack) and *Cerebrovascular disease* (including stroke) were the most prevalent of these diseases, accounting for 26.1 per cent and 7.0 per cent of male deaths and 24.1 per cent and 12.0 per cent of female deaths, respectively. Although the major causes of deaths were due to *Circulatory diseases* (including *Ischaemic heart disease*), the proportion of deaths attributed to cancer has continued to increase over the last five years.

Diagram 2

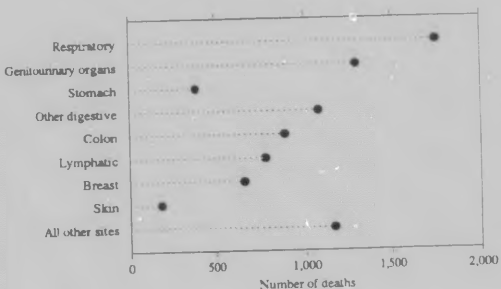
HEART DISEASE DEATHS BY TYPE, VICTORIA 1989



Malignant neoplasms (cancer) accounted for 26.9 per cent of male deaths and 23.5 per cent of female deaths. The most frequent sites for malignant neoplasms were the *Respiratory* and *intrathoracic organs* for males (7.7 per cent) and the *Breast* (4.4 per cent) for females.

Diagram 3

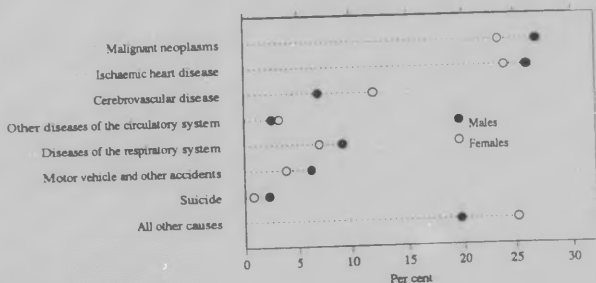
DEATHS DUE TO MALIGNANT NEOPLASMS, BY PRIMARY SITE OF GROWTH VICTORIA, 1989



Other major causes of death for Victorians were *Diseases of the respiratory system* (9.3 per cent of males compared with 7.1 per cent of female deaths) and *Accidents, poisonings and violence* (including *Motor vehicle traffic accidents* and *Suicides*) which accounted for 8.6 per cent of male deaths and 4.5 per cent of female deaths. There were 499 *Suicides* recorded in 1989, a decrease of 7.2 per cent over the 538 recorded in 1988.

Diagram 4

ALL DEATHS: PERCENTAGE DISTRIBUTION BY CAUSE, VICTORIA, 1989



Ages 25 - 44 years

There were 1,572 deaths registered (1,043 males and 529 females) in this age group of 25-44 years in 1989, representing rates of 154 male deaths and 79 female deaths per 100,000 of the relevant population, respectively. *Accidents, poisonings and violence* continued to be the most significant cause of death for males in this age group range (46.3 per cent). *Suicide* accounted for 14.4 per cent of male deaths, while *Motor vehicle traffic accidents* accounted for 20.5 per cent. The most significant cause of death for females in this age group range was *Neoplasms* (38.0 per cent).

Ages 45 - 54 years

During 1989 there were 976 male deaths and 546 female deaths registered in this age range, representing rates of 427 and 249 per 100,000 of the relevant population, respectively. The major causes of death in this age group were *Neoplasms* followed by *Diseases of the circulatory system* which accounted for 43.8 and 26.3 per cent of deaths, respectively. *Neoplasms* accounted for 34.4 per cent (336) of male and 60.4 per cent (330) of female deaths. Within this category, *Cancer of the respiratory and intrathoracic organs* accounted for 30.9 per cent of male deaths and *Breast cancer* accounted for 30.0 per cent of the female deaths. *Diseases of the circulatory system* was the second most predominant cause of death in 1989 and accounted for 32.1 per cent of males deaths and 16.1 per cent of female deaths.

Age 55 - 64 years

During 1989 there were 2,503 male deaths and 1,286 female deaths registered at ages 55-64 years, representing rates of 1,307 and 672 per 100,000 of the relevant population, respectively. As in the 45-54 age group, the largest cause of deaths for males and females was from *Neoplasms*, 39.3 and 50.8 per cent respectively. Within this group *Malignant neoplasm of respiratory and intrathoracic organs* accounted for 13.8 per cent of male deaths, and *Breast cancer* accounted for 16.4 per cent of female deaths. *Diseases of the circulatory system* were the next largest cause, in particular *Ischaemic heart disease* accounting for 28.0 per cent of male deaths and 14.2 per cent of the female deaths.

Ages 65 - 74 years

There were 4,543 male deaths and 2,870 female deaths registered at ages 65-74 years during 1989, representing death rates of 3,467 and 1,829 per 100,000 of the population, respectively. *Diseases of the circulatory system* were the most common causes of death for both males and females, being 45.3 and 41.6 per cent of deaths at these ages, respectively. *Ischaemic heart disease* accounted for 30.9 per cent of male deaths and 25.3 per cent of female deaths, while *Cerebrovascular disease* accounted for 6.6 per cent of male deaths and 8.3 per cent of female deaths. *Neoplasms* caused 32.3 per cent of male and 33.6 per cent of female deaths in this age group.

Ages 75 years and over

In 1989 there were 7,208 male deaths and 9,650 female deaths registered at ages of 75 years and over, representing rates of 10,111 and 7,786 per 100,000 of the relevant population, respectively. As in the 65-74 years age group, *Diseases of the circulatory system* were the most common cause of death for both males and females, being 48.5 and 58.6 per cent of deaths, respectively. In this age group range *Ischaemic heart disease* accounted for 28.1 per cent of male deaths and 28.2 per cent of female deaths, while *Cerebrovascular disease* accounted for only 10.1 per cent of male deaths and 15.3 per cent of female deaths.

TABLE 1. DEATHS: CAUSE BY SEX, VICTORIA, 1987 TO 1989

Cause of death		Sex	1987	1988	1989
All causes		M	16,714	16,426	17,079
		F	14,835	14,300	15,300
Class I	Infectious and parasitic diseases (001-139)	M	67	74	72
		F	63	68	80
Class II	Neoplasms (140-239) —	M	4,358	4,466	4,657
		F	3,573	3,477	3,631
	Malignant neoplasms (140-208) —	M	4,323	4,419	4,597
		F	3,530	3,429	3,588
	Lip, oral cavity, and pharynx (140-149)	M	104	105	122
		F	51	46	47
	Stomach (151)	M	232	257	232
		F	148	155	149
	Colon (153)	M	451	427	437
		F	488	417	452
	Liver and intrahepatic bile ducts (155)	M	73	71	87
		F	36	31	38
	Other digestive organs and peritoneum (150, 152, 154, 156-159)	M	569	585	581
		F	522	459	495
	Respiratory and intrathoracic organs (160-165)	M	1,277	1,272	1,313
		F	382	440	442
	Melanoma of skin (172)	M	104	108	103
		F	73	74	73
	Breast (174, 175)	M	11	4	4
		F	656	644	669
	Other bone, skin, and connective tissue (170, 171, 173)	M	59	66	92
		F	59	51	36
	Genitourinary organs (179-189)	M	695	748	786
		F	478	445	502
	Other and unspecified sites (190-199)	M	385	394	397
		F	335	336	342
	Lymphatic and haematopoietic tissue (200-208)	M	363	382	443
		F	302	331	343
	Benign and unspecified neoplasms (210-239)	M	35	47	50
		F	43	48	43
Class III	Endocrine, nutritional and metabolic diseases, and immunity disorders (240-279) —	M	489	443	488
		F	487	449	523
	Diabetes mellitus (250)	M	369	313	358
		F	391	363	420
Class IV	Diseases of blood and blood-forming organs (280-289)	M	75	41	39
		F	82	69	60
Class V	Mental disorders (290-319) —	M	274	312	302
		F	312	350	397
	Drug dependence (304)	M	52	72	64
		F	25	29	35
Class VI	Diseases of the nervous system and sense organs (320-389)	M	264	326	347
		F	285	327	341
Class VII	Diseases of the circulatory system (390-459) —	M	7,138	6,598	6,979
		F	7,357	6,782	7,314
	Rheumatic fever and rheumatic heart disease (390-398)	M	38	40	30
		F	72	58	78
	Hypertensive disease (401-405)	M	122	117	124
		F	203	180	195
	Acute myocardial infarction (410)	M	2,947	2,641	2,870
		F	2,344	2,174	2,333
	Other ischaemic heart disease (411-414)	M	1,540	1,473	1,548
		F	1,289	1,137	1,348
	Diseases of pulmonary circulation and other forms of heart disease (415-429)	M	791	694	745
		F	1,015	905	1,033
	Cerebrovascular disease (430-438)	M	1,249	1,198	1,187
		F	1,916	1,834	1,832
	Other diseases of circulatory system (440-459)	M	451	435	433
		F	518	494	495

TABLE 2. DEATHS: NUMBER, RATE, AND PROPORTION BY CAUSE AND SEX, VICTORIA, 1989

Cause of death (a)	Number of deaths			Rate per million of mean population (b)			Proportion of total deaths (per cent)		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
	17,079	15,300	32,379	7,956	7,035	7,493	100.0	100.0	100.0
All causes									
Infectious and parasitic diseases (001-139) —	72	80	152	34	37	35	0.4	0.5	0.5
Intestinal infectious diseases (001-009)	4	1	5	2	—	1	—	—	—
Tuberculosis (010-018)	5	5	10	2	2	2	—	—	—
Whooping cough (033)	—	—	—	—	3	2	—	—	—
Meningococcal infection (036)	1	6	7	—	—	—	—	—	—
Tetanus (037)	—	1	1	—	—	—	—	—	—
Septicaemia (038)	25	30	55	12	14	13	0.1	0.2	0.2
Measles (055)	—	—	—	—	—	—	—	—	—
Malaria (084)	—	1	1	—	—	—	—	—	—
All other infectious and parasitic diseases (remainder 001-139)	37	36	73	17	17	17	0.2	0.2	0.2
Malignant neoplasms (140-208) —	4,597	3,588	8,185	2,141	1,650	1,894	26.9	23.5	25.3
Stomach (151)	232	149	381	108	69	88	1.4	1.0	1.2
Colon (153)	437	452	889	204	208	206	2.6	3.0	2.7
Rectum, rectosigmoid junction, and anus (154)	166	113	279	77	52	65	1.0	0.7	0.9
Trachea, bronchus, and lung (162)	1,229	432	1,661	572	199	38	7.2	2.8	5.1
Skin (172-173)	150	84	233	70	38	54	0.9	0.5	0.7
Female breast (174)	—	669	669	—	308	155	—	4.4	2.1
Cervix uteri (180)	—	90	90	—	41	21	—	0.6	0.3
Prostate (185)	513	—	513	239	—	119	3.0	—	1.6
Leukaemia (204-208)	159	131	290	74	60	67	0.9	0.9	0.9
All other malignant neoplasms (remainder 140-208)	1,711	1,469	3,180	797	675	736	10.0	9.6	9.8
Benign neoplasms and neoplasms of unspecified nature (210-239)	60	43	103	28	20	24	0.4	0.3	0.3
Diabetes mellitus (250)	358	420	778	167	193	180	2.1	2.7	2.4
Nutritional marasmus (261)	—	—	—	—	—	1	—	—	—
Other protein-calorie malnutrition (262-263)	4	1	5	2	—	—	—	—	—
Anaemia (280-285)	22	34	56	10	16	13	0.1	0.2	0.2
Meningitis (320-322)	15	7	22	7	3	5	0.1	—	0.1
Diseases of the circulatory system (390-459) —	6,979	7,314	14,293	3,251	3,363	3,307	40.9	47.8	44.1
Acute rheumatic fever (390-392)	—	—	—	—	—	—	—	—	—
Chronic rheumatic heart disease (393-398)	30	78	108	14	36	25	0.2	0.5	0.3
Hypertensive disease (401-405)	124	195	319	58	90	74	0.7	1.3	1.0

TABLE 2. DEATHS: NUMBER, RATE, AND PROPORTION BY CAUSE AND SEX, VICTORIA, 1989—continued

Cause of death (a)	Number of deaths			Rate per million of mean population (b)			Proportion of total deaths (per cent)		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Ischaemic heart disease (410-414) —	4,460	3,681	8,141	2,078	1,693	1,884	26.1	24.1	25.1
Acute myocardial infarction (410)	2,870	2,333	5,203	1,337	1,073	1,204	16.8	15.2	16.1
Other ischaemic heart disease (411-414)	1,590	1,348	2,938	741	620	680	9.3	8.8	9.1
Other forms of heart disease (415-429)	745	1,033	1,778	347	475	411	4.4	6.8	5.5
Cerebrovascular disease (430-438)	1,187	1,832	3,019	553	842	694	7.0	12.0	9.3
Atherosclerosis (440)	95	251	346	44	115	80	0.6	1.6	1.1
All other diseases of the circulatory system (441-459)	338	244	582	157	112	135	2.0	1.6	1.8
Pneumonia (460-486)	185	277	462	86	127	102	1.1	1.8	1.4
Influenza (487)	27	31	58	13	14	13	0.2	0.2	0.2
Bronchitis, emphysema, and asthma (490-493)	439	302	741	204	149	171	2.6	2.0	2.3
Other diseases of the respiratory system (460-478, 494-519)	943	480	1,423	439	221	329	5.5	3.1	4.4
Ulcer of stomach and duodenum (531-533)	118	125	243	55	57	56	0.7	0.8	0.8
Appendicitis (540-543)	9	2	11	4	1	3	0.1	—	—
Chronic liver disease and cirrhosis (571)	219	61	280	102	28	65	1.3	0.4	0.9
Nephritis, nephrotic syndrome, and nephrosis (580-589)	121	94	305	56	85	71	0.7	1.2	0.9
Hyperplasia of prostate (600)	19	—	19	9	—	4	0.1	—	—
Abortion (630-639)	—	—	—	—	—	—	—	—	—
Direct obstetric deaths (640-646, 651-676)	—	2	2	—	1	—	—	—	—
Congenital anomalies (740-759)	85	82	167	40	38	39	0.5	0.5	0.5
Certain conditions originating in the perinatal period (760-779) —	79	64	143	37	29	33	0.5	0.4	0.4
Birth trauma (767)	3	1	4	1	—	1	—	—	—
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	38	28	66	18	13	15	0.2	0.2	0.2
Other conditions originating in the perinatal period (760-766, 771-779)	38	35	73	18	16	17	0.2	0.2	0.2
Signs, symptoms and ill-defined conditions (780-799)	124	84	208	58	39	48	0.7	0.5	0.6
All other diseases (remainder (801-799))	1,143	1,426	2,569	532	656	594	6.7	9.3	7.9
Accidents and adverse effects (E800-E949) —	967	530	1,497	450	244	346	5.7	3.5	4.6
Motor vehicle traffic accidents (E810-E819)	598	261	859	279	120	199	3.5	1.7	2.7
Accidental falls (E880-E888)	135	181	316	63	83	73	0.8	1.2	1.0
All other accidents (remainder of E800-E949)	234	88	322	109	40	75	1.4	0.6	1.0
Suicide (E950-E959)	380	119	499	177	55	115	2.2	0.8	1.5
Homicide (E960-E969)	63	25	88	29	11	20	0.4	0.2	0.3
All other external causes (E970-E999)	51	19	70	24	9	16	0.3	0.1	0.2

(a) The classification utilises the Mortality List of 50 Causes recommended by the Ninth Revision (1975) of the International Classification of Diseases. Explanatory notes.

(b) See paragraph 6 of

TABLE 3. DEATHS: CAUSE BY SEX AND AGE GROUP, VICTORIA, 1989

TABLE 3. DEATHS, CAUSED BY SEX AND AGE GROUP (years)											
Cause of death	Sex	Age group (years)								Total (a)	
		Under 1 year	1-14	15-24	25-44	45-54	55-64	65-74	75 and over		
All causes	M	248	121	433	1,043	976	2,503	4,543	7,208	17,079	
	F	166	100	153	529	546	1,286	2,870	9,650	15,300	
Class I Infectious and parasitic diseases (001-139)	M	1	2	1	3	4	14	17	30	72	
	F	1	4	2	4	4	5	16	44	80	
Class II Neoplasms (140-239) —	M	1	21	33	191	336	983	1,468	1,624	4,657	
	F	—	13	17	201	330	653	965	1,452	3,631	
Malignant neoplasms (140-208) —	M	—	20	33	190	334	978	1,447	1,595	4,597	
	F	—	13	17	198	328	648	957	1,427	3,588	
Lip, oral cavity, and pharynx (140-149)	M	—	—	1	6	13	31	48	23	122	
	F	—	—	—	1	8	6	11	21	47	
Stomach (151)	M	—	—	1	8	18	49	72	84	232	
	F	—	—	—	3	10	15	39	82	149	
Colon (153)	M	—	—	—	13	25	107	130	162	437	
	F	—	—	1	16	40	64	115	216	452	
Liver and intrahepatic bile ducts (155)	M	—	—	—	4	8	29	24	22	87	
	F	—	1	—	6	—	5	12	14	38	
Other digestive organs and peritoneum (150, 152, 154, 156-159)	M	—	—	—	9	52	148	202	170	581	
	F	—	—	—	6	19	91	137	242	495	
Respiratory and intrathoracic organs (160-165)	M	—	1	—	17	104	345	463	383	1,313	
	F	—	—	—	11	39	107	162	123	442	
Skin (172)	M	—	—	—	24	21	15	25	18	103	
	F	—	—	—	18	13	15	14	13	73	
Breast (174, 175)	M	—	—	—	1	2	—	1	—	4	
	F	—	—	1	74	98	157	135	204	669	
Other bone, skin and connective tissue (170, 171, 173)	M	—	3	5	22	10	11	14	27	92	
	F	—	2	1	2	2	3	7	19	36	
Genitourinary organs (179-189)	M	—	1	2	12	18	100	239	414	786	
	F	—	—	3	26	58	73	151	191	502	
Other and unspecified sites (190-199)	M	—	7	5	32	27	87	110	129	397	
	F	—	5	5	18	22	54	87	151	342	
Lymphatic and haematopoietic tissue (200-208)	M	—	8	19	42	36	56	119	163	443	
	F	—	5	6	17	19	58	87	151	343	
Benign and unspecified neoplasms (210-239)	M	1	1	—	1	2	5	21	29	60	
	F	—	—	—	3	2	5	8	25	43	

TABLE 3. DEATHS: CAUSE BY SEX AND AGE GROUP, VICTORIA, 1989 —continued

Cause of death	Sex	Age group (years)								Total (a)
		Under 1 year	1-14	15-24	25-44	45-54	55-64	65-74	75 and over	
Class III Endocrine, nutritional and metabolic diseases, and immunity disorders (240-279)	M	—	6	6	67	29	65	133	182	488
	F	1	7	2	6	15	42	121	329	523
Class IV Diseases of blood and blood-forming organs (280-289)	M	—	—	—	3	2	4	9	21	39
	F	—	1	—	1	2	1	9	46	60
Class V Mental disorders (290-319)	M	—	—	18	59	16	29	37	143	302
	F	—	—	8	26	3	5	28	327	397
Class VI Diseases of the nervous system and sense organs (320-389)	M	5	12	19	22	17	29	74	169	347
	F	5	12	6	21	13	19	61	208	341
Class VII Diseases of the circulatory system (390-459) —	M	—	2	7	147	313	957	2,058	3,495	6,979
	F	—	4	7	51	88	316	1,195	5,653	7,314
Rheumatic fever and rheumatic heart disease (390-398)	M	—	—	—	3	1	8	9	—	30
	F	—	—	1	—	5	8	24	40	78
Hypertensive disease (401-405)	M	—	—	—	2	8	14	33	70	124
	F	—	—	—	1	1	3	31	159	195
Acute myocardial infarction (410)	M	—	—	—	42	131	442	921	1,334	2,870
	F	—	—	1	8	14	124	492	1,694	2,333
Other ischaemic heart disease (411-414)	M	—	—	1	46	115	258	481	689	1,590
	F	—	—	—	7	17	58	235	1,031	1,348
Diseases of pulmonary circulation and other forms of heart disease (415-429)	M	—	1	4	31	23	85	193	408	745
	F	—	3	4	14	19	38	116	839	1,033
Cerebrovascular disease (430-438)	M	—	1	1	21	26	108	301	729	1,187
	F	—	1	1	17	26	69	237	1,481	1,832
Other diseases of circulatory system (440-459)	M	—	—	1	2	12	42	120	256	433
	F	—	—	—	4	6	16	60	409	495
Class VIII Diseases of the respiratory system (460-519) —	M	4	5	7	24	32	157	441	924	1,594
	F	2	9	11	23	23	111	227	684	1,090
Pneumonia and influenza (480-487)	M	4	1	1	3	2	13	30	158	212
	F	—	1	3	3	5	8	27	261	308
Chronic obstructive pulmonary disease and allied conditions (490-496)	M	—	4	4	16	27	120	371	673	1,215
	F	1	7	8	19	16	97	184	328	660
Other diseases of the respiratory system (460-478, 500-519)	M	—	—	2	5	3	24	40	93	167
	F	1	1	—	1	2	6	16	95	122

TABLE 3. DEATHS: CAUSE BY SEX AND AGE GROUP, VICTORIA, 1989 —continued

Cause of death	Sex	Age group (years)								Total (a)
		Under 1 year	1-14	15-24	25-44	45-54	55-64	65-74	75 and over	
Class IX Diseases of the digestive system (520-579) —	M	—	2	2	32	63	121	128	248	596
	F	—	1	1	16	19	44	89	355	525
	M	—	—	—	1	6	13	25	73	118
	F	—	—	—	1	2	7	22	93	125
	M	—	—	—	22	49	67	54	27	219
	F	—	—	—	10	9	15	14	13	61
	M	—	2	2	9	8	41	49	148	259
	F	—	1	1	5	8	22	53	249	339
Class X Diseases of the genitourinary system (580-629)	M	—	—	2	—	1	9	32	139	183
	F	—	—	—	—	3	16	36	194	249
Class XI Complications of pregnancy, childbirth and the puerperium (630-676)	F	—	—	2	—	—	—	—	—	2
Class XII Diseases of the skin and subcutaneous tissue (680-709)	M	—	—	—	1	—	—	—	7	8
	F	—	—	—	—	—	—	4	14	18
Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)	M	—	—	—	2	4	5	18	36	65
	F	—	—	1	6	5	6	36	93	147
Class XIV Congenital anomalies (740-759)	M	58	8	4	6	4	3	1	1	85
	F	45	9	5	8	3	6	6	—	82
Class XV Certain conditions originating in the perinatal period (760-779)	M	77	2	—	—	—	—	—	—	79
	F	64	—	—	—	—	—	—	—	64
Class XVI Symptoms, signs and ill-defined conditions (780-799)	M	95	2	2	3	3	4	4	10	124
	F	39	4	—	2	2	4	7	26	84
Class XVII Accidents, poisonings and violence (external causes) (E800-E999) —	M	7	59	332	483	152	123	123	179	1,461
	F	9	40	91	164	36	58	70	225	693
	M	2	26	173	214	48	47	40	48	598
	F	2	18	69	70	15	27	27	33	261
	M	—	3	72	150	61	35	31	28	380
	F	—	—	12	58	11	16	14	8	119
	M	5	30	87	119	43	41	52	103	483
	F	7	22	10	36	10	15	29	184	313

(a) Includes age not stated.

TABLE 4. DEATHS AT AGES UNDER 1 YEAR: MAIN CAUSES BY SEX, VICTORIA

Cause of death	Males			Females		
	1987	1988	1989	1987	1988	1989
All causes	306	291	248	192	195	166
Congenital anomalies (740-759) —	78	79	58	58	56	45
Congenital anomalies of nervous system (740-742)	11	23	14	16	20	8
Congenital anomalies of circulatory system (745-747)	24	17	16	12	12	15
Other congenital anomalies (remainder of 740-759)	43	39	28	30	24	22
Certain conditions originating in the perinatal period (760-779) —	123	108	77	67	85	64
Disorders relating to short gestation and unspecified low birthweight (765)	35	34	18	19	27	14
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	60	49	37	33	34	28
Other conditions originating in the perinatal period (remainder of 760-779)	28	25	22	15	24	22
Sudden death, cause unknown (798)	86	75	94	49	37	39
All other causes	19	29	19	18	17	18

TABLE 5. DEATHS AT AGES 1-14 YEARS: MAIN CAUSES BY SEX, VICTORIA

Cause of death	Males			Females		
	1987	1988	1989	1987	1988	1989
All causes	140	124	121	95	84	100
Neoplasms (140-239) —	18	15	21	15	9	13
Malignant neoplasms of lymphatic and haematopoietic tissue (200-208)	9	2	8	5	5	5
Other neoplasms (remainder 140-239)	9	13	13	10	4	8
Diseases of the nervous system and sense organs (320-389)	4	8	12	11	11	8
Congenital anomalies (740-759)	16	13	8	8	10	9
Accidents, poisonings, and violence (E800-E999) —	82	66	59	42	39	40
Motor vehicle traffic accidents (E810-E819)	42	29	26	24	19	18
Accidents caused by submersion, suffocation, and foreign bodies (E910-E915)	18	16	15	6	6	8
Other external causes	22	21	18	12	14	14
All other causes	20	22	21	19	15	30

TABLE 6. DEATHS AT AGES 15-24 YEARS: MAIN CAUSES BY SEX, VICTORIA

Cause of death	Males			Females		
	1987	1988	1989	1987	1988	1989
All causes	464	473	433	169	171	153
Neoplasms (140-239)	26	29	33	14	14	17
Accidents, poisonings, and violence (E800-E999) —	365	370	332	107	105	91
Motor vehicle traffic accidents (E810-E819)	216	208	173	56	68	69
Suicide (E950-E959)	86	82	72	31	16	12
Other external causes	63	80	87	20	21	10
All other causes	73	74	68	48	52	45

TABLE 7. DEATHS AT AGES 25-44 YEARS: MAIN CAUSES BY SEX, VICTORIA

Cause of death	Males			Females		
	1987	1988	1989	1987	1988	1989
All causes	934	1,064	1,043	471	503	529
Neoplasms (140-239)	132	167	191	189	197	201
Diseases of the circulatory system (390-459) —	143	175	147	52	51	51
Ischaemic heart disease (410-414)	96	115	88	12	12	15
Accidents, poisonings, and violence (E800-E999) —	494	497	483	129	161	164
Motor vehicle traffic accidents (E810-E819)	163	175	214	53	65	70
Suicide (E950-E959)	207	178	150	45	43	58
Other external causes	124	144	119	31	53	36
All other causes	165	225	222	101	94	113

TABLE 8. DEATHS AT AGES 45-54 YEARS: MAIN CAUSES BY SEX, VICTORIA
1987 TO 1989

Cause of death	Males			Females		
	1987	1988	1989	1987	1988	1989
All causes	997	919	976	522	523	546
Neoplasms (140-239) —	345	289	336	295	311	330
Malignant neoplasms —	341	287	334	294	308	328
Lip, oral cavity, and pharynx (140-149)	17	16	13	3	7	8
Stomach (151)	18	20	18	9	7	10
Colon (153)	43	26	25	31	30	40
Other digestive organs and peritoneum (150, 152, 154-159)	60	47	60	24	31	19
Respiratory and intrathoracic organs (160-165)	99	79	104	36	40	39
Skin (172)	12	14	21	5	11	13
Breast (174, 175)	2	—	2	93	94	98
Genitourinary organs (179-189)	10	15	18	46	39	58
Other and unspecified sites (190-199)	39	33	27	26	27	22
Lymphatic and haematopoietic tissue (200-208)	35	32	36	18	23	19
Other malignant neoplasms	6	5	10	3	3	2
Other neoplasms	4	2	2	1	3	2
Endocrine, nutritional and metabolic diseases, and immunity disorders (240-279) —	31	35	29	16	7	15
Diabetes mellitus (250)	17	19	8	10	6	7
Other endocrine etc	14	16	21	6	1	8
Diseases of the nervous system and sense organs (320-389)	13	14	17	10	13	13
Diseases of the circulatory system (390-459) —	364	310	313	86	76	88
Acute myocardial infarction (410)	145	125	131	25	20	14
Other ischaemic heart disease (411-414)	124	101	115	20	19	17
Other forms of heart disease (420-429)	39	36	23	12	7	17
Cerebrovascular disease (430-438)	42	29	26	18	23	26
Other circulatory diseases	14	19	18	11	7	14
Diseases of the respiratory system (460-519) —	32	30	32	33	39	23
Chronic obstructive pulmonary disease and allied conditions (490-496)	28	23	27	30	32	16
Diseases of the digestive system (520-579) —	56	59	63	15	14	19
Chronic liver disease and cirrhosis (571)	44	42	49	10	8	9
Other digestive diseases	12	17	14	5	6	10
Accidents, poisonings, and violence (E800-E999) —	130	160	152	47	53	36
Motor vehicle traffic accidents (E810-E819)	35	48	48	11	19	15
Suicide (E950-E959)	59	51	61	24	14	11
Other external causes	36	61	43	12	20	10
All other causes	26	22	34	20	10	22

TABLE 10. DEATHS AT AGES 65-74 YEARS: MAIN CAUSES BY SEX, VICTORIA
1987 TO 1989

Cause of death	Males			Females		
	1987	1988	1989	1987	1988	1989
All causes	4,464	4,276	4,543	2,814	2,715	2,870
Neoplasms (140-239) —	1,384	1,465	1,468	925	935	965
Malignant neoplasms —	1,374	1,450	1,447	912	923	957
Stomach (151)	80	79	72	28	41	39
Colon (153)	139	146	130	127	110	115
Other digestive organs and peritoneum (150, 152, 154-159)	205	219	226	165	142	149
Respiratory and intrathoracic organs (160-165)	450	481	463	121	162	162
Breast (174, 175)	1	2	1	140	143	135
Genitourinary organs (179-189)	220	241	239	126	119	151
Other and unspecified sites (190-199)	111	117	110	79	92	87
Lymphatic and haematopoietic tissue (200-208)	107	100	119	81	84	87
Other malignant neoplasms	61	65	87	45	30	32
Other neoplasms	10	15	21	13	12	8
Endocrine, nutritional and metabolic diseases, and immunity disorders (240-279) —	127	119	133	112	107	121
Diabetes mellitus (250)	111	96	117	88	89	97
Other endocrine etc	16	23	16	24	18	24
Diseases of the nervous system and sense organs (320-389)	62	75	74	52	49	61
Diseases of the circulatory system (390-459) —	2,055	1,878	2,058	1,245	1,138	1,195
Acute myocardial infarction (410)	959	854	921	550	472	492
Other ischaemic heart disease (411-414)	421	427	481	240	192	235
Other forms of heart disease (420-429)	173	128	188	108	89	109
Cerebrovascular disease (430-438)	316	305	301	243	274	237
Diseases of arteries, arterioles and capillaries (440-448)	127	115	112	46	52	55
Other circulatory diseases	59	49	55	58	59	67
Diseases of the respiratory system (460-519) —	417	386	441	208	213	227
Pneumonia and influenza (480-487)	25	38	30	24	27	27
Chronic obstructive pulmonary disease and allied conditions (490-496)	359	313	371	171	163	184
Other respiratory diseases	33	35	40	13	23	16
Diseases of the digestive system (520-579)	142	121	128	88	89	89
Diseases of the genitourinary system (580-629)	32	31	32	37	23	36
Accidents, poisonings, and violence (E800-E999) —	138	115	123	72	69	70
Motor vehicle traffic accidents (E810-E819)	27	34	40	26	29	27
Accidental falls (E880-E888)	30	21	24	16	12	14
Suicide (E950-E959)	45	32	31	16	13	14
Other external causes	36	28	28	14	15	15
All other causes	107	86	86	75	92	106

TABLE 11. DEATHS AT AGE 75 YEARS AND OVER: MAIN CAUSES BY SEX, VICTORIA
1987 TO 1989

Cause of death	Males			Females		
	1987	1988	1989	1987	1988	1989
All causes	6,721	6,827	7,208	9,153	8,770	9,650
Neoplasms (140-239) —	1,445	1,561	1,624	1,435	1,316	1,452
Malignant neoplasms —	1,429	1,542	1,595	1,416	1,291	1,427
Stomach (151)	82	104	84	84	81	82
Colon (153)	157	149	162	234	193	216
Other digestive organs and peritoneum (150, 152, 154-159)	180	222	192	268	231	256
Respiratory and intrathoracic organs (160-165)	365	368	383	135	116	123
Breast (174, 175)	4	1	—	201	186	204
Genitourinary organs (179-189)	356	393	414	178	153	191
Other and unspecified sites (190-199)	118	113	129	127	132	151
Lymphatic and haematopoietic tissue (200-208)	108	126	163	124	125	151
Other malignant neoplasms	59	66	68	65	74	53
Other neoplasms	16	19	29	19	25	25
Endocrine, nutritional and metabolic diseases, and immunity disorders (240-279) —	210	159	182	299	260	329
Diabetes mellitus (250)	177	139	162	248	223	278
Other endocrine etc	33	20	20	51	37	51
Mental disorders (290-319)	142	146	143	259	278	327
Diseases of the circulatory system (390-459) —	3,461	3,288	3,495	5,566	5,196	5,653
Hypertensive disease (401-405)	69	71	70	168	144	159
Acute myocardial infarction (410)	1,292	1,198	1,334	1,610	1,560	1,694
Other ischaemic heart disease (411-414)	645	617	689	943	861	1,031
Other forms of heart disease (420-429)	434	394	404	812	731	823
Cerebrovascular disease (430-438)	744	735	729	1,535	1,436	1,481
Diseases of arteries, arterioles and capillaries (440-448)	241	249	236	401	382	388
Other circulatory diseases	36	24	33	97	82	77
Diseases of the respiratory system (460-519) —	745	855	924	526	556	684
Pneumonia and influenza (480-487)	109	121	158	202	201	261
Chronic obstructive pulmonary disease and allied conditions (490-496)	572	640	673	277	275	328
Other respiratory diseases	64	94	93	47	80	95
Diseases of the digestive system (520-579)	201	216	248	352	361	355
Diseases of the genitourinary system (580-629) —	116	150	139	142	168	194
Nephritis, nephrotic syndrome, and nephrosis (580-589)	73	109	97	94	124	144
Other genitourinary diseases	43	41	42	48	44	50
Accidents, poisonings, and violence (E800-E999) —	171	186	179	222	215	225
Motor vehicle traffic accidents (E810-E819)	41	52	48	38	43	33
Accidental falls (E880-E888)	79	79	82	147	138	160
Suicide (E950-E959)	30	29	28	11	14	8
Other external causes	21	26	21	26	20	24
All other causes	230	266	274	352	420	431

TABLE 12. DEATHS: RATES AND PERCENTAGE DISTRIBUTION BY AGE GROUPS:
MAIN CAUSES BY SEX, VICTORIA - continued

Particulars	MAIN CAUSES BY SEX, VICTORIA - continued			Percentage of all deaths in age group, 1989
	Rates ^(a)			
	1987	1988	1989	
FEMALES				
Under 1 year —	7.16	7.20	5.99	100
All causes	2.39	2.91	2.18	36
Certain conditions originating in the perinatal period (760-779) —	1.20	1.17	0.96	16
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	2.16	2.01	1.70	28
Congenital anomalies (740-759)	1.90	1.62	1.47	24
Sudden death, cause unknown (798)				
1-14 years —	22	19	30	100
All causes	10	9	11	35
Accidents, poisonings and violence (E800-E999) —	6	4	5	15
Motor vehicle traffic accidents (E810-E819)				
Accidents caused by submersion, suffocation and foreign bodies (E910—E915)	1	1	3	8
Neoplasms (140-239)	4	2	3	11
Congenital anomalies (740-759)	2	2	3	11
15-24 years —	48	49	43	100
All causes	30	30	26	59
Accidents, poisonings and violence (E800-E999) —	16	19	20	45
Motor vehicle traffic accidents (E810-E819)	4	4	5	11
Neoplasms (140-239)				
25-44 years —	75	78	80	100
All causes	30	31	30	38
Neoplasms (140-239)	21	25	25	31
Accidents, poisonings and violence (E800-E999) —	8	10	11	13
Motor vehicle traffic accidents (E810-E819)	8	8	8	10
Diseases of the circulatory system (390-459)				
45-54 years —	257	252	257	100
All causes	145	150	155	60
Neoplasms (140-239) —	46	45	46	18
Malignant neoplasm of breast (174)	31	33	32	13
Malignant neoplasm of digestive organs and peritoneum (150-159)	42	37	41	16
Diseases of the circulatory system (390-459) —	12	10	7	3
Acute myocardial infarction (410)				
55-64 years —	720	689	667	100
All causes	354	357	339	51
Neoplasms (140-239) —	81	80	81	12
Malignant neoplasms of breast (174)	203	160	164	25
Diseases of the circulatory system (390-459) —	77	60	64	10
Acute myocardial infarction (410)	51	42	36	5
Cerebrovascular disease (430-438)				
65-74 years —	1,880	1,786	1,851	100
All causes	832	749	771	42
Diseases of the circulatory system (390-459) —	367	310	317	17
Acute myocardial infarction (410)	162	180	153	8
Cerebrovascular disease (430-438)	618	615	623	34
Neoplasms (140-239)				
75 years and over —	5,713	5,221	5,988	100
All causes	5,007	4,487	4,746	79
Diseases of the circulatory system (390-459) —	1,461	1,353	1,422	24
Acute myocardial infarction (410)	1,393	1,246	1,243	21
Cerebrovascular disease (430-438)	1,259	1,121	1,219	20
Neoplasms (140-239)				

(a) Per 1,000 live births for ages under 1 year; per 100,000 of estimated population at 30 June for other age groups.

TABLE 13. DEATHS OF VICTORIANS (a) BY CAUSE (ABBREVIATED LIST) AND LOCATION OF USUAL RESIDENCE OF DECEASED, 1989

Cause of death (b)		Melbourne Statistical Division	Rest of State (c)	Total Victoria	Percentage of total deaths	Crude rate (d)
		21,902	10,477	32,379	100.0	7,493
All causes						
S1	Intestinal infectious diseases (001-009)	5	—	5	—	1
S2	Tuberculosis (010-018)	8	2	10	—	2
S4	Meningococcal infection (036)	5	2	7	—	2
S5	Tetanus (037)	1	—	1	—	—
S6	Septicaemia (038)	42	13	55	0.2	13
S9	Malaria (084)	1	—	1	—	—
S10	All other infectious and parasitic diseases (remainder of 001-139)	52	21	73	0.2	17
Malignant neoplasms (S11-S20) —		5,614	2,571	8,185	25.3	1,894
S11	Stomach (151)	261	120	381	1.2	88
S12	Colon (153)	590	299	889	2.7	206
S13	Rectum, rectosigmoid junction and anus (154)	191	88	279	0.9	65
S14	Trachea, bronchus and lung (162)	1,133	528	1,661	5.1	384
S15	Skin (172-173)	158	75	233	0.7	54
S16	Female breast (174)	466	203	669	2.1	155
S17	Cervix uteri (180)	67	23	90	0.3	21
S18	Prostate (185)	317	196	513	1.6	119
S19	Leukemia (204-208)	201	89	290	0.9	67
S20	Other (remainder of 140-208)	2,230	950	3,180	9.8	736
Benign neoplasms and neoplasms of unspecified nature (210-239)		80	23	103	0.3	24
S21	Diabetes mellitus (250)	528	250	778	2.4	180
S22	Other protein-calorie malnutrition (262-264)	5	—	5	—	1
S24	Anaemias (280-285)	33	23	56	0.2	13
S25	Meningitis (320-322)	16	6	22	0.1	5
S26	Chronic rheumatic heart disease (393-398)	79	29	108	0.3	25
S28	Hypertensive disease (401-405)	202	117	319	1.0	74
S29	Acute myocardial infarction (410)	1,471	1,732	3,203	10.1	1,204
S30	Other ischaemic heart disease (411-414)	2,021	917	2,938	9.1	680
S31	Other forms of heart disease (415, 416, 420-429)	1,216	562	1,778	5.5	411
S32	Cerebrovascular disease (430-438)	2,064	955	3,019	9.3	699
S33	Atherosclerosis (440)	237	109	346	1.1	80
S34	Other diseases of the circulatory system (remainder of 490-499)	373	209	582	1.8	135
S35	Pneumonia (480-486)	327	135	462	1.4	107
S36	Influenza (487)	35	23	58	0.2	13
S37	Bronchitis, emphysema and asthma (490-493)	481	260	741	2.3	171
S39	Other diseases of the respiratory system (remainder of 460-519)	942	481	1,423	4.4	329
S40	Ulcer of stomach and duodenum (531-533)	154	89	243	0.8	56
S41	Appendicitis (540-543)	9	2	11	—	3
S42	Chronic liver disease and cirrhosis (571)	198	82	280	0.9	65
S43	Nephritis, nephrotic syndrome and nephrosis (580-589)	193	112	305	0.9	71
S44	Hyperplasia of prostate (600)	13	6	19	0.1	4
S46	Direct obstetric death (640-646, 651-676)	1	1	2	—	—
S48	Congenital anomalies (740-759)	110	57	167	0.5	39
S49	Birth trauma (767)	3	1	4	—	1
S50	Hypoxia, birth asphyxia and other respiratory conditions (768-770)	45	21	66	0.2	15
S51	Other conditions originating in the perinatal period (remainder of 760-779)	47	26	73	0.2	17
S52	Signs, symptoms and ill-defined conditions (780-799)	134	74	208	0.6	48
S53	All other diseases (remainder of 001-799)	1,755	814	2,569	7.9	594
S54	Motor vehicle traffic accidents (810-819)	545	314	859	2.7	199
S55	Accidental falls (880-888)	220	96	316	1.0	73
S56	All other accidents (remainder of 800-949)	195	127	322	1.0	75
S57	Suicide (950-959)	333	166	499	1.5	115
S58	Homicide (960-969)	59	29	88	0.3	20
S59	All other external causes (970-999)	50	20	70	0.2	16

(a) See Explanatory notes, paragraph 2. (b) No deaths were recorded in the following categories in 1989: S3 Whoping cough, S7 Smallpox, S8 Measles, S23 Nutritional marasmus, S29 Acute rheumatic fever, S45 Abortion, and S47 Other complications of pregnancy. (c) Rest of State includes Offshore and Not stated. (d) Number of deaths per million of estimated mean calendar year resident population, which for 1989 was 4,121,484.

EXPLANATORY NOTES

Introduction

1. The registration of deaths is the responsibility of the Registrar of Births, Deaths and Marriages, Victoria. The registration documents include cause of death information provided by a medical practitioner or a coroner. This information is supplied by the Registrar to the ABS for compilation into the aggregate statistics contained in this publication.
2. In this publication, statistics are presented on the basis of the State or Territory of usual residence of the deceased, regardless of where in Australia the death occurred or was registered and refer to deaths registered in the calendar year shown.
3. Further statistics of deaths, including age-specific death rates, month of occurrence, single year ages, marital status, and country of birth, are included in *Deaths, Victoria*, (3306.2).
4. Causes of death in Australia from 1979 onwards are classified according to the Ninth (1975) Revision of the World Health Organisation's (WHO) International Classification of Diseases (ICD-9). Particulars relate to the underlying cause of death, which WHO has defined as the disease or injury which initiated the train of morbid events leading directly to death. Deaths from injuries and poisonings are classified according to the external cause, that is, the circumstances of the accident or act which produced the fatal injury, rather than the nature of the injury.
5. As the purpose of this publication is to provide an overview of the nature of, and trends in, causes of death in Victoria, three summary classifications are used to present the statistics contained in it. They are:
 - (a) the ICD at the Class level (with further disaggregation for neoplasms, diseases of the circulatory, respiratory, and digestive systems, and accidents;
 - (b) the ICD Mortality List of Fifty Causes;
 - (c) main causes of deaths for age groups (the age groups recommended by WHO).

Definitions

6. Death rates. Rates shown in Table 2 are the crude cause of death rates, i.e. the number of deaths by specified cause per million of estimated mean resident population for the year ended 31 December. In Table 12 death rates for ages other than under one year are the number of deaths per 100,000 of the mid-year estimated resident population in the particular age-sex group (i.e. age specific death rates). Death rates under one year are the number of deaths per 1,000 live births registered in the year (i.e. infant death rates). *Infant death*. The death of a child under one year of age (excluding fetal deaths).

Infant mortality rate. The number of deaths of children under one year of age per 1,000 live births.

Fetal deaths. Fetal deaths (stillbirths) are not included in statistics of deaths.

Related publications

7. Users may also wish to refer to the following ABS publications which are available on request.
 - Deaths, Australia* (3302.0) (annual) (\$10.00)
 - Causes of Death, Australia* (3303.0) (annual) (\$15.00)
 - Perinatal Deaths, Australia* (3304.0) (annual) (\$10.50)
 - Deaths, Victoria* (3306.2) (annual) (\$7.00)
8. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0) which is available from any ABS Office.

9. For those users who are interested in obtaining statistics classified to a more detailed level of the ICD, the following tabulation is available in the form of computer printout: *Deaths: Cause of death (ICD-9 3 digit) by sex and age at death (5 year groups)*. Generally, a charge is made for providing unpublished information.

Electronic services

DISCOVERY Key*656# for selected current economic, social and demographic statistics.

AUSSTATS Thousands of up-to-date time series are available on this ABS on-line service.

For further information phone the AUSSTATS help desk on (06) 252 6017.

TELESTATS This service provides foreign trade statistics tailored to user's requirements.

Further information is available on (06) 252 5404.

Floppy disk service

Selected ABS statistics are available on floppy disk. Further information is available on (06) 252 6684.

Symbols and other usages

- nil or rounded down to zero
- F Female
- M Male
- P Persons

Where figures have been rounded discrepancies may occur between sums of the components and the totals shown.

R.A. CROCKETT
Deputy Commonwealth Statistician



For more information ...

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