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**1993  
Deaths  
Queensland**

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## DEATHS, QUEENSLAND, 1993

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**R.A. Crockett**  
DEPUTY COMMONWEALTH STATISTICIAN

313 Adelaide Street  
BRISBANE Q 4000  
29 December 1994

## INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Information Inquiries on Brisbane (07) 222 6351 (fax (07) 229 6042) or any Australian Bureau of Statistics State office.
- for information about other ABS statistics and services telephone, fax or write to Information Inquiries, Australian Bureau of Statistics (ABS), GPO Box 9817, Brisbane Q 4001.

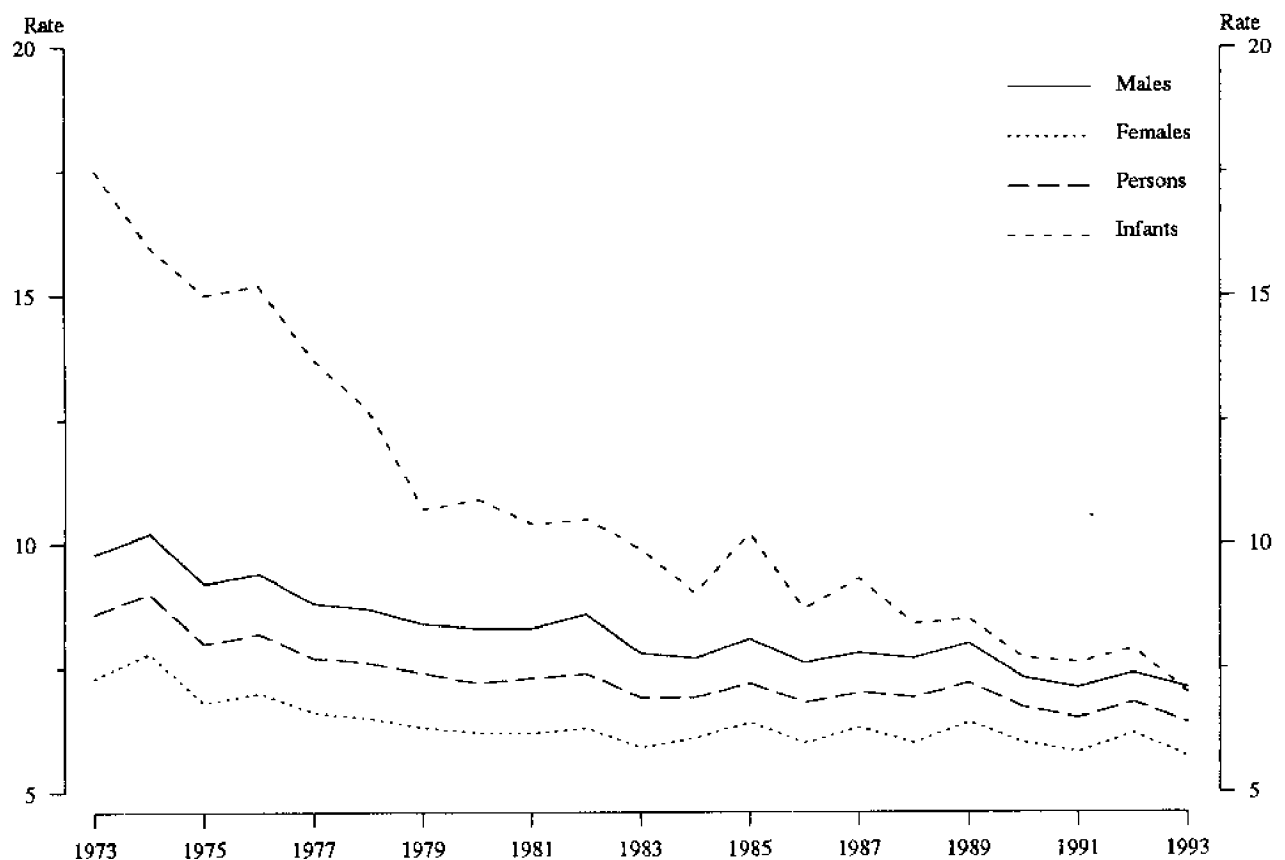
## SUMMARY OF FINDINGS

### Deaths: Overview

There were 19,972 deaths of usual residents of Queensland registered during 1993, a decrease of 2.6 per cent from the figure of 20,496 for 1992. Deaths were recorded for 11,058 males and 8,914 females. The sex ratio for deaths (male deaths per 100 female deaths) has risen to 124.1 in 1993 after the record low of 119.8 in 1992. The median age at death in 1993 was 72.6 years for males and 79.0 years for females, compared with 69.8 and 76.5, respectively, in 1983.

The crude death rate (deaths per 1,000 mean estimated resident population) decreased from 6.8 in 1992 to 6.4 in 1993.

DIAGRAM 1 - CRUDE DEATH RATES AND INFANT MORTALITY RATE, QUEENSLAND



Deaths of Queensland infants aged less than 1 year decreased from 365 in 1992 to 327 in 1993. Over half (53.2 per cent) of all infant deaths occurred within the first week of life. The infant mortality rate (deaths per 1,000 live births) has declined significantly in the last 20 years, falling from 17.5 in 1973 to 7.0 in 1993, as Diagram 1 indicates.

For children under 1 year of age the death rate is relatively high. It drops sharply in childhood before rising again in the late teens and early twenties. The rate then stabilises until about 45 years of age when the probability of dying rises rapidly with increasing age.

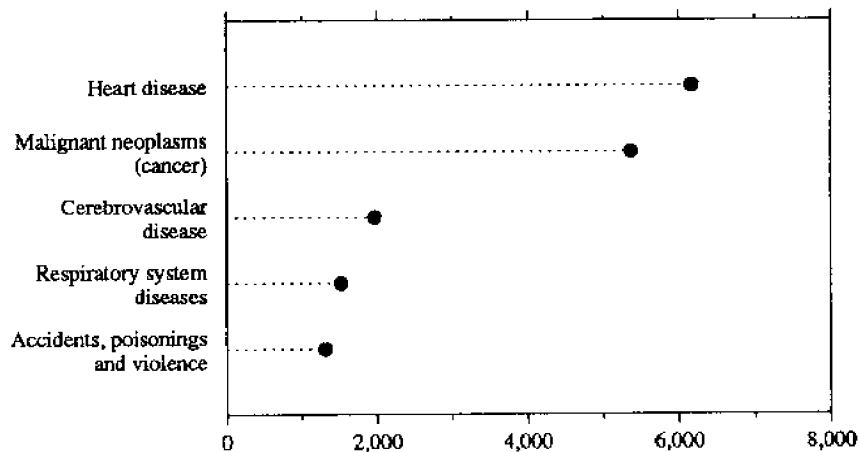
There are significant seasonal variations in the time of year in which deaths occur. The number of deaths occurring in winter is much higher than in summer, with either June, July or August recording the highest number of deaths and February the lowest.

Because of the relatively lower mortality rates for females, their life expectancy is greater than for males at each age. In 1993, life expectancy at birth for Queensland infants was estimated to be 75.1 years for males compared with 81.0 years for females, indicating that, on average, a female born in 1993 will live 6.0 years longer than a male born in the same year. At age 50 years, males can expect to live another 28.1 years compared with 32.9 years for females.

SUMMARY OF FINDINGS — *continued***Causes of death: General**

In Queensland, the two main causes of death continued to be *heart disease* and *malignant neoplasms* (cancer), which accounted for 30.9 per cent and 26.9 per cent, respectively, of all deaths.

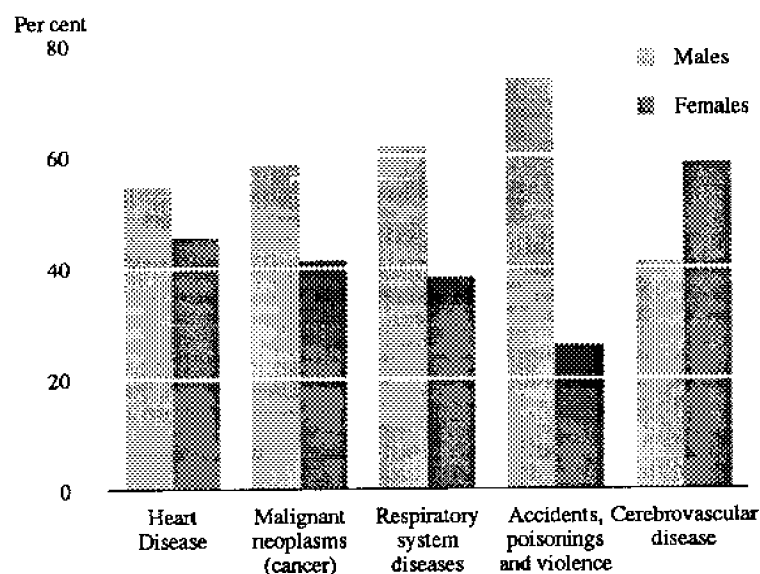
DIAGRAM 2 - LEADING CAUSES OF DEATH, QUEENSLAND, 1993



Other leading causes of death included *cerebrovascular disease*, comprising mainly stroke (9.9 per cent), *respiratory system diseases*, comprising mainly asthma, emphysema, bronchitis, influenza and pneumonia (7.6 per cent), with *accidents, poisonings and violence* accounting for 6.6 per cent of total deaths in 1993.

**Causes of death: Analysis by sex**

Consistent with previous years, the sex composition of deaths in Queensland during 1993 varied significantly for certain causes of death.

DIAGRAM 3 - LEADING CAUSES OF DEATH:  
PROPORTION BY SEX, QUEENSLAND, 1993

The incidence of deaths from *heart disease* was greater for males than for females, with males comprising 54.5 per cent of all *heart disease* deaths. This was consistent for *malignant neoplasms*, *respiratory system diseases* and *accidents, poisonings and violence*, with male deaths comprising 58.7 per cent, 61.7 per cent and 73.9 per cent, respectively. However, more females (58.8 per cent) than males died from *cerebrovascular disease*.

## SUMMARY OF FINDINGS — continued

## Causes of death: Age comparisons

The significance of the leading causes of death in Queensland for various age groups differed widely during 1993.

*Heart disease* was the most prominent single cause of death for persons aged 65 years and over (35.5 per cent), whereas, for persons aged between 45 and 64 years, the major single cause of death was *malignant neoplasms* (44.8 per cent). Deaths of persons under 45 years of age were more often attributed to *accidents, poisonings and violence* (42.0 per cent) than to any other single cause.

Significantly, of the 348 deaths in the 15 to 24 age group, 21.6 per cent were attributable to *suicide*, and 37.9 per cent to *motor vehicle accidents*. There were 1,017 deaths in the 25 to 44 age group, and of these 14.0 per cent were due to *suicide* and 12.6 per cent to *motor vehicle accidents*.

## Causes of death: Trends in heart disease and malignant neoplasms

Although *heart disease* continues to be the leading cause of death, the overall incidence has dropped from 34.7 per cent of all deaths in 1983 to 30.9 per cent in 1993. Over this period, this variation has been reflected in a decrease in male deaths from 2.8 to 2.2 deaths per thousand male population, whereas female deaths have decreased from 2.1 to 1.8 deaths per thousand female population.

However, over the same period, deaths due to *malignant neoplasms* have risen from 22.2 per cent of all deaths in 1983 to 26.9 per cent in 1993, with the ratio of male deaths to female deaths remaining constant over this period.

DIAGRAM 4 - MORTALITY RATES, HEART DISEASE, QUEENSLAND per 1,000 population

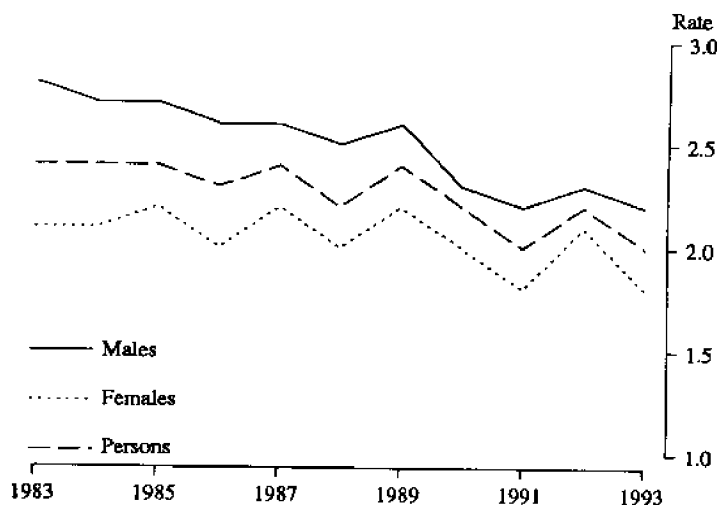
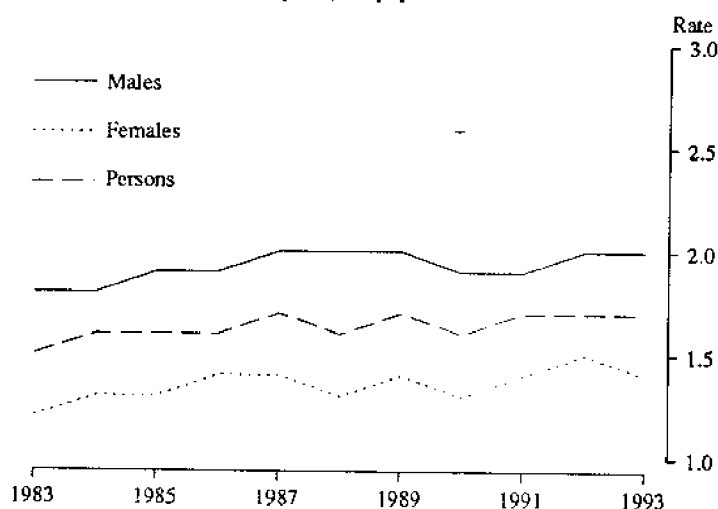


DIAGRAM 5 - MORTALITY RATES, MALIGNANT NEOPLASMS, QUEENSLAND per 1,000 population



## Perinatal deaths

There were 378 perinatal deaths recorded in Queensland during 1993, comprising 197 fetal deaths and 181 neonatal deaths.

For fetal deaths in 1993, the major single cause was *hypoxia, birth asphyxia and other respiratory conditions* (31.0 per cent), while the most significant single condition in the mother was *complications of placenta, cord and membranes* (49.7 per cent).

For neonatal deaths during 1993, the most significant single cause of death was *congenital anomalies* (33.7 per cent) and the main reported condition in the mother, was *maternal complications of pregnancy* (31.5 per cent).

TABLE 1 — DEATHS: SUMMARY, QUEENSLAND

Particulars	1976	1981	1986	1991	1992	1993
Deaths						
Males	9,889	9,803	10,006	10,624	11,174	11,058
Females	7,234	7,234	7,855	8,551	9,322	8,914
Persons	17,123	17,037	17,861	19,175	20,496	19,972
Sex ratio (male deaths per 100 female deaths)	137	136	127	124	120	124
Median age at death (years)						
Males	68.5	69.6	70.6	71.9	72.1	72.6
Females	75.2	76.5	76.9	78.4	78.7	79.0
Crude death rate (a)						
Males	9.4	8.3	7.6	7.2	7.3	7.1
Females	7.0	6.2	6.0	5.8	6.2	5.7
Persons	8.2	7.3	6.8	6.5	6.8	6.4
Infant deaths (b)	529	406	351	335	365	327
Infant mortality rate (c)	15.0	10.4	8.7	7.6	7.9	7.0

(a) Number of deaths per 1,000 mean population. Rates have been revised from revisions to population figures since the previous publication. (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, QUEENSLAND

Age at death (years)	NUMBER			Rate (a)		Proportion (per cent)	
	1991	1992	1993	1991	1992	1993	1993
<b>Males</b>							
Under 1	192	211	178	8.3	9.2	7.5	1.6
1-4	41	43	51	0.5	0.5	0.5	0.5
5-9	25	26	24	0.2	0.2	0.2	0.2
10-14	25	28	25	0.2	0.2	0.2	0.2
15-19	108	111	100	0.9	0.9	0.8	0.9
20-24	144	163	155	1.2	1.3	1.2	1.4
25-29	163	131	135	1.4	1.1	1.1	1.2
30-34	173	166	151	1.5	1.4	1.2	1.4
35-39	186	163	171	1.7	1.4	1.4	1.5
40-44	207	225	231	1.8	2.0	2.0	2.1
45-49	273	285	308	3.0	2.9	2.9	2.8
50-54	403	400	400	5.4	5.1	4.9	3.6
55-59	554	573	582	9.1	9.1	8.8	5.3
60-64	911	939	870	15.1	15.5	14.4	7.9
65-69	1,323	1,389	1,340	24.7	25.4	23.9	12.1
70-74	1,543	1,640	1,571	39.2	39.5	36.1	14.2
75-79	1,689	1,800	1,682	63.7	65.5	58.9	15.2
80-84	1,415	1,460	1,551	99.4	97.1	97.7	14.0
85 and over	1,249	1,420	1,531	165.7	174.0	172.8	13.8
<b>Total</b>	<b>10,624</b>	<b>11,174</b>	<b>11,058</b>	<b>7.2</b>	<b>7.3</b>	<b>7.1</b>	<b>100.0</b>
<b>Females</b>							
Under 1	143	154	149	6.5	7.0	6.7	1.7
1-4	29	39	27	0.3	0.4	0.3	0.3
5-9	14	21	12	0.1	0.2	0.1	0.1
10-14	17	19	27	0.2	0.2	0.2	0.3
15-19	49	51	46	0.4	0.4	0.4	0.5
20-24	47	54	47	0.4	0.4	0.4	0.5
25-29	69	76	41	0.6	0.7	0.3	0.5
30-34	72	64	68	0.6	0.5	0.5	0.8
35-39	76	93	90	0.7	0.8	0.8	1.0
40-44	113	131	130	1.0	1.2	1.1	1.5
45-49	173	178	180	2.0	1.9	1.8	2.0
50-54	221	211	195	3.2	2.9	2.6	2.2
55-59	263	308	309	4.5	5.1	4.9	3.5
60-64	482	490	473	8.0	8.1	7.9	5.3
65-69	681	705	667	12.1	12.4	11.4	7.5
70-74	943	1,086	973	20.3	22.5	19.4	10.9
75-79	1,338	1,357	1,315	37.2	36.4	34.2	14.8
80-84	1,416	1,604	1,558	62.0	66.8	61.6	17.5
85 and over	2,405	2,681	2,607	138.3	145.8	134.2	29.2
<b>Total</b>	<b>8,551</b>	<b>9,322</b>	<b>8,914</b>	<b>5.8</b>	<b>6.2</b>	<b>5.7</b>	<b>100.0</b>

(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, QUEENSLAND, 1993

Age at death	Number (a)			Infant death rate (b)		
	Males	Females	Persons	Males	Females	Persons
Under 1 day	75	58	133	3.1	2.6	2.8
1 day and under 7 days	25	16	41	1.0	0.7	0.9
1 week and under 4 weeks	25	20	45	1.0	0.9	1.0
Total under 4 weeks	125	94	219	5.2	4.1	4.7
4 weeks and under 12 months	53	55	108	2.2	2.4	2.3
Total under 1 year	178	149	327	7.4	6.6	7.0

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

TABLE 4 — DEATHS: MONTH AND YEAR OF OCCURRENCE (a), QUEENSLAND, YRL TO 1988

Month of occurrence	Year of occurrence					
	1993	1992	1991	1990	1989	1988
January	1,563	1,590	1,574	1,500	1,551	1,504
February	1,451	1,417	1,366	1,346	1,334	1,376
March	1,482	1,567	1,535	1,454	1,453	1,476
April	1,522	1,510	1,418	1,446	1,450	1,495
May	1,662	1,683	1,580	1,662	1,604	1,649
June	1,822	1,943	1,568	1,713	1,950	1,751
July	1,819	2,169	1,884	1,832	2,097	1,878
August	1,910	1,943	1,869	1,947	2,189	1,936
September	1,773	1,819	1,751	1,860	2,063	1,601
October	1,723	1,614	1,510	1,461	1,783	1,500
November	1,644	1,565	1,486	1,474	1,500	1,442
December	1,663	1,610	1,533	1,593	1,533	1,501
Total	20,034	20,430	19,074	19,288	20,507	19,109

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

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

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

121,599

TABLE 6 — EXPECTATION OF LIFE BY AGE AND SEX, QUEENSLAND

<i>Expectation of life at exact age (years) (a)</i>	1976	1981	1986	1991	1992r	1993
MALES						
0	68.96	71.08	72.99	74.47	74.42	75.07
1	69.07	70.91	72.71	74.11	74.09	74.63
10	60.44	62.28	63.95	65.32	65.31	65.86
20	51.01	52.76	54.35	55.65	55.64	56.15
30	41.80	43.49	45.04	46.29	46.26	46.75
40	32.44	34.11	35.69	36.93	36.83	37.30
50	23.76	25.26	26.66	27.71	27.60	28.09
60	16.28	17.45	18.57	19.35	19.21	19.68
65	13.11	14.04	15.08	15.67	15.54	15.97
70	10.33	11.06	11.96	12.39	12.31	12.62
80	5.95	6.46	6.96	7.24	7.20	7.18
FEMALES						
0	76.12	78.29	79.37	80.62	80.21	81.02
1	76.19	78.03	78.97	80.16	79.76	80.56
10	67.57	69.33	70.19	71.32	70.98	71.70
20	57.86	59.55	60.39	61.48	61.16	61.90
30	48.15	49.81	50.71	51.77	51.46	52.11
40	38.63	40.13	41.01	42.08	41.77	42.41
50	29.60	30.85	31.68	32.62	32.33	32.94
60	21.14	22.20	22.97	23.71	23.41	23.99
65	17.23	18.20	18.83	19.55	19.26	19.83
70	13.56	14.44	15.02	15.62	15.35	15.86
80	7.61	8.00	8.55	8.95	8.75	9.04

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

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

Statistical division			Statistical division		
Subdivision			Subdivision		
Statistical local area	Number	Rate (a)	Statistical local area	Number	Rate (a)
<i>Brisbane</i>	8,743	6.2	<i>Darling Downs-continued</i>		
Brisbane (C)	5,858	7.5	Inglewood (S)	29	9.8
Albert (S) Part A	169	4.7	Jondaryan (S)	55	4.9
Beaudesert (S) Part A	48	2.4	Millmerran (S)	23	7.3
Caboolture (S) Part A	427	5.3	Murilla (S)	21	7.1
Ipswich (C)	481	6.2	Pittsworth (S)	32	7.1
Logan (C)	507	3.3	Rosalie (S)	37	4.5
Moreton (S) Part A	99	2.5	Rosenthal (S)	6	2.4
Pine Rivers (S)	242	2.5	Stanthorpe (S)	77	7.4
Redcliffe (C)	466	9.5	Tara (S)	16	4.2
Redland (S)	446	4.9	Taroom (S)	12	3.8
			Toowoomba (C)	683	7.7
<i>Moreton</i>	3,737	7.0	Waggamba (S)	13	4.6
Gold Coast (C)	1,339	9.4	Wambo (S)	26	5.0
Albert (S) Part B	690	5.5	Warwick (C)	100	8.8
Sunshine Coast	1,018	7.6			
Caloundra (C) Part A	349	8.8	<i>South-West</i>	166	5.7
Maroochy (S) Part A	502	6.7	Balonne (S)	20	3.7
Noosa (S) Part A	167	8.7	Bendemere (S)	10	9.1
Moreton SD Bal	690	5.2	Booringa (S)	16	7.6
Beaudesert (S) Part B	100	4.7	Bulloo (S)	1	1.7
Boonah	68	10.0	Bungil (S)	7	3.4
Caboolture (S) Part B	11	2.8	Murweh (S)	31	5.3
Caloundra (C) Part B	89	4.9	Paroo (S)	17	6.4
Esk (S)	75	6.3	Quilpie (S)	4	2.9
Gatton (S)	75	5.0	Roma (T)	54	7.9
Kilcoy (S)	21	6.7	Warroo (S)	6	5.1
Laidley (S)	73	6.9			
Maroochy (S) Part B	78	4.4	<i>Fitzroy</i>	973	5.5
Moreton (S) Part B	57	4.2	Fitzroy (S) Part A	30	7.0
Noosa (S) Part B	43	4.1	Rockhampton (C)	453	7.4
			Calliope (S) Part A	56	6.1
<i>Wide Bay-Burnett</i>	1,599	7.6	Gladstone (C)	97	3.7
Bundaberg (C)	360	10.5	Banana (S)	66	4.4
Gooburrum (S) Part A	5	5.1	Baulhinia (S)	14	6.0
Woongarra (S) Part A	107	6.3	Calliope (S) Part B	9	3.3
Biggenden (S)	18	11.0	Duaringa (S)	32	3.1
Eidsvold (S)	11	10.9	Emerald (S)	38	3.4
Gayndah (S)	24	8.1	Fitzroy (S) Part B	17	3.5
Gooburrum (S) Part B	18	2.7	Jericho (S)	10	9.0
Gympie (C)	126	10.7	Livingstone (S)	97	4.8
Hervey Bay (C)	281	8.5	Mount Morgan (S)	43	13.3
Isis (S)	39	7.7	Peak Downs (S)	11	2.9
Kilkivan (S)	15	4.9			
Kingaroy (S)	84	7.4	<i>Central-West</i>	94	7.1
Kolan (S)	20	5.9	Aramac (S)	4	4.3
Maryborough (C)	207	8.7	Barcaldine (S)	15	8.6
Miriam Vale (S)	13	4.2	Barcoo (S)	0	0.0
Monto (S)	21	6.8	Blackall (S)	15	7.1
Mundubbera (S)	12	5.2	Boulia (S)	3	5.6
Murgon (S)	46	9.9	Diamantina (S)	2	8.3
Nanango (S)	46	5.9	Ilfracombe (S)	1	2.9
Perry (S)	2	5.2	Isisford (S)	2	6.1
Tiaro (S)	20	5.3	Longreach (S)	33	8.0
Widgee (S)	81	4.4	Tambo (S)	5	8.1
Wondai (S)	31	7.5	Winton (S)	14	8.0
Woocoo (S)	11	2.9			
Woongarra (S) Part B	1	0.6	<i>Mackay</i>	591	5.2
			Mackay (C)	239	10.2
<i>Darling Downs</i>	1,413	7.0	Pioneer (S) Part A	160	4.9
Allora (S)	20	8.8	Belyando (S)	28	2.5
Cambooya (S)	9	2.7	Broadsound (S)	14	1.6
Chinchilla (S)	37	6.1	Mirani (S)	17	3.5
Clifton (S)	19	7.7	Nebo (S)	7	2.8
Crow's Nest (S)	44	5.7	Pioneer (S) Part B	27	2.4
Dalby (T)	94	9.3	Sarina (S)	37	4.3
Glengallan (S)	31	7.4	Whitsunday (S)	62	5.2
Goondiwindi (T)	29	6.4			

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

Statistical division Subdivision Statistical local area	Number	Rate (a)	Statistical division Subdivision Statistical local area	Number	Rate (a)
<i>Northern</i>	1,188	6.3	<i>Far North—continued</i>		
Townsville (C)	540	6.2	Etheridge (S)	5	5.0
Thuringowa (C) Part A	105	3.1	Herberton (S)	39	8.1
Northern SD Bal	543	8.1	Johnstone (S)	145	7.8
Bowen (S)	106	7.9	Mareeba (S)	116	6.7
Burdekin (S)	154	8.4	Mulgrave (S) Part B	40	6.2
Charters Towers (C)	107	11.3	Torres (S)	71	8.4
Dalrymple (S)	19	5.5			
Hinchinbrook (S)	111	8.4	<i>North-West</i>	190	5.2
Thuringowa (C) Part B	46	4.9	Burke (S)	15	10.8
			Carpentaria (S)	26	7.5
<i>Far North</i>	1,159	6.1	Cloncurry (S)	23	7.1
Cairns (C)	290	6.8	Flinders (S)	13	5.0
Mulgrave (S) Part A	189	3.7	McKinlay (S)	3	2.5
Atherton (S)	72	7.5	Mornington (S)	12	16.7
Aurukun (S)	18	22.8	Mount Isa (C)	101	4.2
Cardwell (S)	59	7.0	Richmond (S)	6	5.1
Cook (S) (excl. Weipa)	40	7.7	Unincorp. Islands	—	—
Cook (S) — Weipa only	4	1.7			
Croydon (S)	3	13.6	<i>Off-shore Areas &amp; Migratory</i>	—	—
Douglas (S)	48	5.8			
Eacham (S)	20	3.4	Queensland (b)	19,972	6.4

(a) Preliminary. Numbers of deaths per 1,000 mid-year population. The crude death rates do not take account of the differing age and sex distributions that exist in various areas. For example, areas with a high proportion of aged persons are likely to show high crude death rates while areas with a relatively younger population will probably show low death rates. (b) Includes deaths of overseas residents and persons of no fixed place of abode.

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

Particulars	Heart disease	Malignant neoplasms (cancer)	Cerebro- vascular disease (incl. stroke)	Respiratory system diseases	Motor vehicle traffic accidents	Suicide	All causes
<b>Numbers</b>							
Males	3,367	3,150	812	940	283	305	11,058
Females	2,809	2,214	1,159	583	117	62	8,914
Persons	6,176	5,364	1,971	1,523	400	367	19,972
<b>Proportions by sex (%)</b>							
Males	54.5	58.7	41.2	61.7	70.7	83.1	55.4
Females	45.5	41.3	58.8	38.3	29.2	16.9	44.6
Persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Proportions by cause of death (%)</b>							
Males	30.4	28.5	7.3	8.5	2.6	2.8	100.0
Females	31.5	24.8	13.0	6.5	1.3	0.7	100.0
Persons	30.9	26.9	9.9	7.6	2.0	1.8	100.0
<b>Crude death rates (b)</b>							
Males	215.5	201.6	52.0	60.2	18.1	19.5	707.8
Females	180.7	142.4	74.5	37.5	7.5	4.0	573.3
Persons	198.1	172.1	63.2	48.9	12.8	11.8	640.7
<b>Standardised death rates (c)</b>							
Queensland	199.9	175.0	63.3	49.4	12.9	11.8	646.9
Australia	201.8	180.1	65.1	50.3	11.1	11.7	663.4

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

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

<i>Statistical division</i>	<i>Heart disease</i>	<i>Malignant neoplasms (cancer)</i>	<i>Cerebro-vascular disease (incl. stroke)</i>	<i>Respiratory system diseases</i>	<i>Motor vehicle traffic accidents</i>	<i>Suicide</i>	<i>All causes</i>
<b>NUMBERS</b>							
Brisbane	2,677	2,353	918	652	142	174	8,743
Moreton	1,178	1,056	367	280	66	63	3,737
Wide Bay-Burnett	535	442	147	134	36	24	1,599
Darling Downs	464	375	180	90	40	21	1,413
South-West	54	37	8	23	3	2	166
Fitzroy	323	254	87	67	26	16	973
Central-West	30	25	8	12	1	—	94
Mackay	172	171	39	50	13	7	591
Northern	344	316	107	83	23	18	1,188
Far North	313	277	95	115	27	33	1,159
North-West	59	44	10	13	16	5	199
<b>Queensland (b)</b>	<b>6,176</b>	<b>5,364</b>	<b>1,971</b>	<b>1,523</b>	<b>400</b>	<b>367</b>	<b>19,972</b>
<b>PROPORTIONS (PER CENT)</b>							
Brisbane	30.6	26.9	10.5	7.5	1.6	2.0	100.0
Moreton	31.5	28.3	9.8	7.5	1.8	1.7	100.0
Wide Bay-Burnett	33.5	27.6	9.2	8.4	2.3	1.5	100.0
Darling Downs	32.8	26.5	12.7	6.4	2.8	1.5	100.0
South-West	32.5	22.3	4.8	13.9	1.8	1.2	100.0
Fitzroy	33.2	26.1	8.9	6.9	2.7	1.6	100.0
Central-West	31.9	26.6	8.5	12.8	1.1	—	100.0
Mackay	29.1	28.9	6.6	8.5	2.2	1.2	100.0
Northern	29.0	26.6	9.0	7.0	1.9	1.5	100.0
Far North	27.0	23.9	8.2	9.9	2.3	2.8	100.0
North-West	29.6	22.1	5.0	6.5	8.0	2.5	100.0
<b>Queensland (b)</b>	<b>30.9</b>	<b>26.9</b>	<b>9.9</b>	<b>7.6</b>	<b>2.0</b>	<b>1.8</b>	<b>100.0</b>
<b>RATES (c)</b>							
Brisbane	188.3	165.5	64.6	45.9	10.0	12.2	615.0
Moreton	220.7	197.9	68.8	52.5	12.4	11.8	700.2
Wide Bay-Burnett	255.7	211.2	70.2	64.0	17.2	11.5	764.1
Darling Downs	230.7	186.5	89.5	44.8	19.9	10.4	702.6
South-West	185.1	126.8	27.4	78.9	10.3	6.9	569.1
Fitzroy	183.7	144.5	49.5	38.1	14.8	9.1	553.5
Central-West	226.7	188.9	60.4	90.7	7.6	—	710.2
Mackay	150.3	149.4	34.1	43.7	11.4	6.1	516.5
Northern	181.9	167.1	56.6	43.9	12.2	9.5	628.2
Far North	164.3	145.4	49.9	60.4	14.2	17.3	608.5
North-West	155.2	115.8	26.3	34.2	42.1	13.2	523.5
<b>Queensland (b)</b>	<b>198.2</b>	<b>172.1</b>	<b>63.3</b>	<b>48.9</b>	<b>12.8</b>	<b>11.8</b>	<b>640.9</b>

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

TABLE 10 — DEATHS: CAUSE BY SEX, QUEENSLAND

Cause of death and ICD code (Classes and selected categories)		1991		1992		1993	
		Males	Females	Males	Females	Males	Females
<i>Class I</i>	<i>Infectious and parasitic diseases (001-139)</i>	73	66	77	54	81	66
<i>Class II</i>	<i>Neoplasms (140-239)</i>	2,915	2,104	3,130	2,223	3,196	2,248
	Malignant neoplasms (cancer) (140-208)	2,897	2,072	3,095	2,188	3,150	2,214
	Lip, oral cavity and pharynx (140-149)	79	39	85	27	93	24
	Stomach (151)	133	79	108	67	131	73
	Colon (153)	282	253	262	247	273	231
	Pancreas (157)	126	84	100	131	135	103
	Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	275	174	304	201	303	173
	Respiratory and intrathoracic organs (160-165)	778	265	885	271	856	300
	Melanoma of skin (172)	98	50	110	49	115	62
	Breast (174, 175)	1	376	2	378	2	421
	Genitourinary organs (179-189)	510	300	572	311	610	307
	Other and unspecified sites (170-171, 173, 190-199)	351	264	372	271	341	308
	Lymphatic and haematopoietic tissue (200-208)	264	188	295	235	291	212
<i>Class III</i>	<i>Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>	256	236	261	253	282	247
	Diabetes mellitus (250)	168	176	159	191	166	189
<i>Class IV</i>	<i>Diseases of blood and blood-forming organs (280-289)</i>	35	34	39	31	27	39
<i>Class V</i>	<i>Mental disorders (290-319)</i>	131	153	143	187	132	178
<i>Class VI</i>	<i>Diseases of the nervous system and sense organs (320-389)</i>	175	172	209	184	226	160
<i>Class VII</i>	<i>Diseases of the circulatory system (390-459)</i>	4,406	4,113	4,607	4,502	4,501	4,269
	All heart disease (393-398, 402, 404, 410-416, 420-429)	3,278	2,732	3,439	3,102	3,367	2,809
	Acute myocardial infarction (410)	1,951	1,428	1,984	1,567	1,909	1,395
	Other ischaemic heart disease (411-414)	876	732	981	936	1,023	842
	Cerebrovascular disease (incl. stroke) (430-438)	815	1,119	857	1,127	812	1,159
<i>Class VIII</i>	<i>Diseases of the respiratory system (460-519)</i>	881	481	966	632	940	583
	Pneumonia and influenza (480-487)	153	146	176	159	150	162
	Chronic obstructive pulmonary disease and allied conditions (490-496)	648	280	699	385	664	335
<i>Class IX</i>	<i>Diseases of the digestive system (520-579)</i>	346	313	323	301	332	307
	Ulcer of stomach and duodenum (531-533)	63	60	59	55	48	42
	Chronic liver disease and cirrhosis (571)	116	39	115	46	119	51
<i>Class X</i>	<i>Diseases of the genitourinary system (580-629)</i>	147	206	164	199	131	194
	Nephritis, nephrotic syndrome and nephrosis (580-589)	103	146	109	137	93	142
<i>Class XI</i>	<i>Complications of pregnancy, childbirth and the puerperium (630-676)</i>	—	1	—	2	—	4
<i>Class XII</i>	<i>Diseases of the skin and subcutaneous tissue (680-709)</i>	8	17	10	19	9	21
<i>Class XIII</i>	<i>Diseases of the musculoskeletal system and connective tissue (710-739)</i>	25	86	41	95	29	85
<i>Class XIV</i>	<i>Congenital anomalies (740-759)</i>	75	69	90	75	73	60
<i>Class XV</i>	<i>Certain conditions originating in the perinatal period (760-779)</i>	84	63	93	65	87	72
<i>Class XVI</i>	<i>Symptoms, signs and ill-defined conditions (780-799)</i>	56	40	39	46	39	37
<i>Class XVII</i>	<i>Accidents, poisonings and violence (external causes) (E800-E999)</i>	1,011	397	982	454	973	344
	Motor vehicle traffic accidents (E810-E819)	277	120	292	129	283	117
	Accidental drowning and submersion (E910)	43	15	42	21	41	11
	Suicide (E950-E959)	345	78	331	97	305	62
<b>All causes</b>		<b>10,624</b>	<b>8,551</b>	<b>11,174</b>	<b>9,322</b>	<b>11,058</b>	<b>8,914</b>

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

Cause of death and ICD code (Classes and selected categories)	Sex	Age group (years)										Total
		Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
<b>Class I</b> <i>Infectious and parasitic diseases (001-139)</i>	M	2	5	1	7	3	3	16	17	17	10	81
	F	3	2	2	3	4	3	12	8	11	18	66
<b>Class II</b> <i>Neoplasms (140-239)</i>	M	1	15	7	119	249	620	1,030	479	387	289	3,196
	F	—	12	11	144	224	402	585	327	276	267	2,248
Malignant neoplasms (cancer) (140-208)	M	—	15	7	118	246	617	1,020	466	379	282	3,150
	F	—	11	11	142	223	399	581	322	268	257	2,214
Lip, oral cavity and pharynx (140-149)	M	—	—	—	4	18	32	31	3	3	2	93
	F	—	—	—	1	1	7	4	4	3	4	24
Stomach (151)	M	—	—	—	4	4	25	47	22	15	14	131
	F	—	—	—	3	3	7	19	9	15	17	73
Colon (153)	M	—	—	—	9	25	58	83	45	31	22	273
	F	—	—	1	4	16	50	64	37	23	36	231
Pancreas (157)	M	—	—	—	2	5	36	49	13	23	7	135
	F	—	—	—	5	9	16	30	13	14	16	103
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	M	—	1	—	6	29	82	99	35	26	25	303
	F	—	—	1	5	12	26	54	29	24	22	173
Respiratory and intrathoracic organs (160-165)	M	—	—	—	19	66	188	338	134	77	34	856
	F	—	1	—	8	30	68	110	36	27	20	300
Melanoma of skin (172)	M	—	—	1	19	15	26	28	12	8	6	115
	F	—	—	—	7	15	9	11	10	3	7	62
Breast (174, 175)	M	—	—	—	—	—	—	2	—	—	—	2
	F	—	—	—	47	73	87	84	46	42	42	421
Genitourinary organs (179-189)	M	—	2	—	2	14	71	174	123	108	116	610
	F	—	1	1	24	26	41	98	53	39	24	307
Other and unspecified sites (170-171, 173, 190-199)	M	—	5	1	24	47	60	95	36	46	27	341
	F	—	4	5	25	26	57	67	41	39	44	308
Lymphatic and haematopoietic tissue (200-208)	M	—	7	5	29	23	39	74	43	42	29	291
	F	—	5	3	13	12	31	40	44	39	25	212
<b>Class III</b> <i>Endocrine, nutritional and metabolic diseases                   and immunity disorders (240-279)</i>	M	2	4	5	52	33	38	54	31	30	33	282
	F	3	6	1	12	13	34	58	33	37	50	247
Diabetes mellitus (250)	M	—	—	—	5	13	27	44	29	23	25	166
	F	—	—	—	9	13	25	48	30	32	32	189
<b>Class IV</b> <i>Diseases of blood and blood-forming organs (280-289)</i>	M	—	—	—	2	—	3	5	4	6	7	27
	F	1	—	—	1	2	2	7	6	9	11	39
<b>Class V</b> <i>Mental disorders (290-319)</i>	M	—	—	2	11	9	6	17	13	32	42	132
	F	—	—	1	2	1	3	9	19	47	96	178
<b>Class VI</b> <i>Diseases of the nervous system and sense organs                   (320-389)</i>	M	4	7	8	12	9	15	54	41	43	33	226
	F	2	9	6	4	7	5	27	20	23	57	160

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

Cause of death and ICD code (Classes and selected categories)	Sex	Age group (years)										Total
		Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
<b>Class VII</b> Diseases of the circulatory system (390-459)												
All heart disease (393-398, 402, 404, 410-416, 420-429)	M	—	2	2	105	216	522	1,259	816	763	816	4,501
	F	2	2	7	43	60	209	647	709	930	1,660	4,269
Acute myocardial infarction (410)	M	—	1	1	84	178	445	971	603	522	562	3,367
	F	2	2	4	23	36	153	478	492	595	1,024	2,809
Other ischaemic heart disease (411-414)	M	—	—	—	34	98	251	604	357	277	288	1,909
	F	—	—	—	6	15	84	289	272	304	425	1,395
Cerebrovascular disease (incl. stroke) (430-438)	M	—	—	1	27	60	149	285	173	141	187	1,023
	F	—	—	—	9	45	129	135	181	334	842	1,812
	M	—	—	1	15	26	57	186	149	192	186	812
	F	—	—	2	17	22	41	126	175	280	496	1,159
<b>Class VIII</b> Diseases of the respiratory system (460-519)	M	5	2	3	16	27	102	287	175	159	164	940
	F	5	1	3	12	16	42	156	81	90	177	583
Pneumonia and influenza (480-487)	M	3	1	—	8	7	12	29	14	19	57	150
	F	4	—	1	5	4	8	26	10	23	81	162
Chronic obstructive pulmonary disease and allied conditions (490-496)	M	—	1	3	4	17	75	234	133	118	79	664
	F	—	—	2	6	11	32	118	61	54	51	335
<b>Class IX</b> Diseases of the digestive system (520-579)	M	1	3	2	20	39	47	83	44	49	44	332
	F	—	2	2	9	17	31	47	39	63	97	307
Ulcer of stomach and duodenum (531-533)	M	—	—	—	—	3	6	14	11	7	7	48
	F	—	—	—	—	—	3	8	6	11	14	42
Chronic liver disease and cirrhosis (571)	M	—	—	—	16	27	28	36	5	6	1	119
	F	—	1	—	8	9	16	10	1	4	2	51
<b>Class X</b> Diseases of the genitourinary system (580-619)	M	1	—	—	1	2	10	22	21	36	38	131
	F	—	—	—	4	4	13	32	31	38	72	194
Nephritis, nephrotic syndrome and nephrosis (580-589)	M	—	—	—	1	1	8	15	18	27	23	93
	F	—	—	—	4	2	6	22	25	29	54	142
<b>Class XI</b> Complications of pregnancy, childbirth and the puerperium (630-676)	F	—	—	1	3	—	—	—	—	—	—	4
<b>Class XII</b> Diseases of the skin and subcutaneous tissue (680-709)	M	—	—	—	—	1	—	3	1	2	2	9
	F	1	—	—	1	—	1	2	4	4	8	21
<b>Class XIII</b> Diseases of the musculoskeletal system and connective tissue (710-739)	M	—	—	—	1	1	5	11	5	1	5	29
	F	—	—	—	3	3	5	22	14	10	28	85
<b>Class XIV</b> Congenital anomalies (740-759)	M	49	9	3	4	4	1	1	—	1	1	73
	F	37	6	3	4	1	4	3	1	1	—	60

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

Cause of death and ICD code (Classes and selected categories)		Age group (years)											Total
		Sex	Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
Class XV Certain conditions originating in the perinatal period (760-779)	M	85	2	—	—	—	—	—	—	—	—	—	87
	F	71	—	1	—	—	—	—	—	—	—	—	72
Class XVI Symptoms, signs and ill-defined conditions (780-799)	M	23	2	1	1	1	1	3	1	—	3	4	39
	F	19	1	—	—	1	—	3	—	2	—	11	37
Class XVII Accidents, poisonings and violence (external causes) (E800-E999)	M	5	49	221	221	337	114	77	68	35	22	43	973
	F	5	25	55	83	23	23	25	33	21	19	55	344
	M	—	11	100	92	28	18	17	17	9	6	2	283
	F	1	13	32	36	5	6	12	12	8	2	2	117
	M	1	10	5	13	4	2	2	4	1	—	1	41
	F	1	3	2	3	—	—	—	2	—	—	—	11
	M	—	1	63	121	46	29	20	20	9	7	9	305
	F	—	1	12	21	11	10	10	2	3	2	—	62
	M	178	100	255	688	708	1,452	2,911	1,682	1,551	1,531	11,058	
	F	149	66	93	329	375	782	1,640	1,315	1,558	2,607	8,914	
All causes													

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

Age group, cause of death and ICD code.	1993		Rate (a)		
	Number	Proportion (b) per cent	1991 r	1992 r	1993
MALES					
<i>Under 1 year</i>					
All causes	178	100.0	8.5	8.9	7.4
Congenital anomalies (740-759)	49	27.5	2.0	2.6	2.0
Certain conditions originating in the perinatal period (760-779)	85	47.8	3.7	3.9	3.5
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	26	14.6	1.3	1.2	1.1
Symptoms, signs and ill-defined conditions (780-799)	23	12.9	1.8	1.1	1.0
Sudden death, cause unknown (798)	23	12.9	1.8	1.1	1.0
<i>1-14 years</i>					
All causes	100	100.0	28.2	29.6	29.9
Malignant neoplasms (cancer) (140-208)	15	15.0	2.2	4.6	4.5
Diseases of nervous system and sense organs (320-389)	7	7.0	4.7	1.8	2.1
Accidents, poisonings and violence (E800-E999)	49	49.0	13.6	15.8	14.6
Motor vehicle traffic accidents (E810-E819)	11	11.0	5.3	7.3	3.3
Accidents caused by submersion, suffocation and foreign bodies (E910-E915)	13	13.0	3.4	4.0	3.9
<i>15-24 years</i>					
All causes	255	100.0	102.0	109.0	99.5
Accidents, poisonings and violence (E800-E999)	221	86.7	83.7	87.5	86.3
Motor vehicle traffic accidents (E810-E819)	100	39.2	32.0	35.8	39.0
Suicide (E950-E959)	63	24.7	27.5	31.8	24.6
<i>25-44 years</i>					
All causes	688	100.0	157.8	145.9	143.4
Malignant neoplasms (cancer) (140-208)	118	17.2	24.7	21.1	24.6
Diseases of the circulatory system (390-459)	105	15.3	24.7	24.3	21.9
Accidents, poisonings and violence (E800-E999)	337	49.0	83.6	75.4	70.3
Motor vehicle traffic accidents (E810-E819)	92	13.4	21.9	23.6	19.2
Suicide (E950-E959)	121	17.6	33.3	27.7	25.2
<i>45-54 years</i>					
All causes	708	100.0	405.9	386.5	376.4
Malignant neoplasms (cancer) (140-208)	246	34.7	139.3	149.5	130.8
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	66	9.3	39.0	39.5	35.1
Diseases of the circulatory system (390-459)	216	30.5	135.7	121.9	114.8
Acute myocardial infarction (410)	98	13.8	73.3	56.4	52.1
Accidents, poisonings and violence (E800-E999)	114	16.1	66.7	54.2	60.6
<i>55-64 years</i>					
All causes	1,452	100.0	1,208.2	1,223.2	1,147.2
Malignant neoplasms (cancer) (140-208)	617	42.5	470.1	512.9	487.5
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	188	12.9	147.6	176.4	148.5
Diseases of the circulatory system (390-459)	522	36.0	458.5	455.5	412.4
Acute myocardial infarction (410)	251	17.3	221.0	225.7	198.3
<i>65-74 years</i>					
All causes	2,911	100.0	3,085.2	3,152.0	2,923.8
Malignant neoplasms (cancer) (140-208)	1,020	35.0	1,020.5	1,081.2	1,024.5
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	338	11.6	324.0	366.3	339.5
Diseases of the circulatory system (390-459)	1,259	43.2	1,381.1	1,361.1	1,264.5
Acute myocardial infarction (410)	604	20.7	686.8	658.7	606.7
<i>75 years and over</i>					
All causes	4,764	100.0	9,013.5	9,231.3	8,943.1
Malignant neoplasms (cancer) (140-208)	1,127	23.7	2,101.7	2,025.8	2,115.6
Diseases of the circulatory system (390-459)	2,395	50.3	4,584.4	4,718.2	4,496.0
Acute myocardial infarction (410)	922	19.4	1,816.0	1,826.5	1,730.8
Other ischaemic heart disease (411-414)	501	10.5	906.9	980.3	940.5
Cerebrovascular disease (incl. stroke) (430-438)	527	11.1	1,022.9	1,075.0	989.3
Diseases of the respiratory system (460-519)	498	10.5	929.7	1,029.6	934.9
<i>Total all ages</i>					
All causes	11,058	100.0	715.6	734.8	707.8
Malignant neoplasms (cancer) (140-208)	3,150	28.5	195.1	203.5	201.6
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	856	7.7	52.4	58.2	54.8
Malignant neoplasms of genitourinary organs (179-189)	610	5.5	34.4	37.6	39.0
Diseases of the circulatory system (390-459)	4,501	40.7	296.8	303.0	283.1
Acute myocardial infarction (410)	1,909	17.3	131.4	130.5	122.2
Other ischaemic heart disease (411-414)	1,023	9.3	59.0	64.5	65.5
Cerebrovascular disease (incl. stroke) (430-438)	812	7.3	54.9	56.4	52.0
Diseases of the respiratory system (460-519)	940	8.5	59.3	63.5	60.2
Chronic obstructive pulmonary disease and allied conditions (490-496)	664	6.0	43.6	46.0	42.5
Accidents, poisonings and violence (E800-E999)	973	8.8	68.1	64.6	62.3

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

Age group, cause of death and ICD code.	1993		Rate (a)		
	Number	Proportion(b) per cent	1991 r	1992 r	1993
<b>FEMALES</b>					
<i>Under 1 year</i>					
<b>All causes</b>	<b>149</b>	<b>100.0</b>	<b>6.6</b>	<b>6.8</b>	<b>6.6</b>
Congenital anomalies (740-759)	37	24.8	1.9	2.0	1.6
Certain conditions originating in the perinatal period (760-779)	71	47.7	2.9	2.7	3.1
Disorders relating to short gestation and unspecified low birthweight (765)	26	17.4	1.3	1.0	1.1
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	21	14.1	0.6	1.0	0.9
Symptoms, signs and ill-defined conditions (780-799)	19	12.8	0.9	1.1	0.8
Sudden death, cause unknown (798)	19	12.8	0.9	1.1	0.8
<i>1-14 years</i>					
<b>All causes</b>	<b>66</b>	<b>100.0</b>	<b>19.8</b>	<b>25.6</b>	<b>21.0</b>
Malignant neoplasms (cancer) (140-208)	11	16.7	3.6	3.6	3.5
Diseases of the nervous system and sense organs (320-389)	9	13.6	1.3	1.6	2.9
Congenital anomalies (740-759)	6	9.1	3.3	3.9	1.9
Accidents, poisonings and violence (E800-E999)	25	37.9	7.6	11.3	7.9
Motor vehicle traffic accidents (E810-E819)	13	19.7	2.3	3.9	4.1
<i>15-24 years</i>					
<b>All causes</b>	<b>93</b>	<b>100.0</b>	<b>40.2</b>	<b>43.3</b>	<b>37.8</b>
Malignant neoplasms (cancer) (140-208)	11	11.8	5.9	5.4	4.5
Accidents, poisonings and violence (E800-E999)	55	59.1	23.4	28.9	22.3
Motor vehicle traffic accidents (E810-E819)	32	34.4	12.6	13.2	13.0
Suicide (E950-E959)	12	12.9	4.6	8.3	4.9
<i>25-44 years</i>					
<b>All causes</b>	<b>329</b>	<b>100.0</b>	<b>72.0</b>	<b>77.9</b>	<b>68.8</b>
Malignant neoplasms (cancer) (140-208)	142	43.2	25.7	29.3	29.7
Malignant neoplasms of breast (174)	47	14.3	10.3	7.9	9.8
Diseases of the circulatory system (390-459)	43	13.1	9.8	8.8	9.0
Accidents, poisonings and violence (E800-E999)	83	25.2	21.6	24.2	17.4
Motor vehicle traffic accidents (E810-E819)	36	10.9	9.2	6.9	7.5
Suicide (E950-E959)	21	6.4	5.2	9.0	4.4
<i>45-54 years</i>					
<b>All causes</b>	<b>375</b>	<b>100.0</b>	<b>251.2</b>	<b>232.7</b>	<b>211.0</b>
Malignant neoplasms (cancer) (140-208)	223	59.5	133.9	129.8	125.5
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	30	8.0	15.9	16.8	16.9
Malignant neoplasms of breast (174)	73	19.5	40.2	39.5	41.1
Malignant neoplasms of genitourinary organs (179-189)	26	6.9	20.4	19.7	14.6
Diseases of the circulatory system (390-459)	60	16.0	51.0	46.7	33.8
Acute myocardial infarction (410)	15	4.0	21.7	15.6	8.4
Cerebrovascular disease (incl. stroke) (430-438)	22	5.9	13.4	12.0	12.4
Accidents, poisonings and violence (E800-E999)	23	6.1	17.9	22.7	12.9
<i>55-64 years</i>					
<b>All causes</b>	<b>782</b>	<b>100.0</b>	<b>627.8</b>	<b>659.8</b>	<b>635.5</b>
Malignant neoplasms (cancer) (140-208)	399	51.0	300.8	305.1	324.3
Malignant neoplasms of breast (174)	87	11.1	66.6	58.7	70.7
Diseases of the circulatory system (390-459)	209	26.7	181.2	189.3	169.9
Acute myocardial infarction (410)	84	10.7	75.8	81.0	68.3
<i>65-74 years</i>					
<b>All causes</b>	<b>1,640</b>	<b>100.0</b>	<b>1,583.6</b>	<b>1,702.7</b>	<b>1,509.0</b>
Malignant neoplasms (cancer) (140-208)	581	35.4	523.6	581.8	534.6
Diseases of the circulatory system (390-459)	647	39.5	688.4	712.1	595.3
Acute myocardial infarction (410)	289	17.6	300.3	304.2	265.9
Cerebrovascular disease (incl. stroke) (430-438)	126	7.7	141.4	134.0	115.9
<i>75 years and over</i>					
<b>All causes</b>	<b>5,480</b>	<b>100.0</b>	<b>6,772.2</b>	<b>7,082.9</b>	<b>6,591.7</b>
Malignant neoplasms (cancer) (140-208)	847	15.5	1,081.7	1,040.7	1,018.8
Diseases of the circulatory system (390-459)	3,299	60.2	4,018.2	4,264.5	3,968.2
Acute myocardial infarction (410)	1,001	18.3	1,299.6	1,399.8	1,204.1
Other ischaemic heart disease (411-414)	650	11.9	750.9	901.4	781.9
Cerebrovascular disease (incl. stroke) (430-438)	951	17.4	1,163.1	1,132.4	1,143.9
<i>Total all ages</i>					
<b>All causes</b>	<b>8,914</b>	<b>100.0</b>	<b>578.6</b>	<b>615.7</b>	<b>573.3</b>
Malignant neoplasms (cancer) (140-208)	2,214	24.8	140.2	144.5	142.4
Diseases of the circulatory system (390-459)	4,269	47.9	278.3	297.3	274.6
Acute myocardial infarction (410)	1,395	15.6	96.6	103.5	89.7
Other ischaemic heart disease (411-414)	842	9.4	49.5	61.8	54.2
Cerebrovascular disease (incl. stroke) (430-438)	1,159	13.0	75.7	74.4	74.5
Diseases of the respiratory system (460-519)	583	6.5	32.5	41.7	37.5

(a) Deaths per 100,000 of the estimated mid-year population for each age-group other than age Under 1 year; deaths per 1,000 live births for age Under 1 year; deaths per 100,000 of mean resident population for Total all ages. (b) Of all deaths of the same age and sex.

TABLE 13 — PERINATAL DEATHS: FETAL, NEONATAL AND PERINATAL DEATHS, NUMBERS AND RATES BY SEX, QUEENSLAND

Year	Fetal deaths			Neonatal deaths			Perinatal deaths		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
NUMBER									
1988	136	98	234	106	92	198	242	190	432
1989	114	107	221	100	89	189	214	196	410
1990	134	112	246	105	68	173	239	180	419
1991	145	124	269	104	84	188	249	208	457
1992	127	115	242	115	76	191	242	191	433
1993	115	82	197	104	77	181	219	159	378
RATE (a)									
1988	6.5	4.9	5.7	5.1	4.7	4.9	11.6	9.6	10.6
1989	5.3	5.2	5.2	4.7	4.3	4.5	9.9	9.5	9.7
1990	5.8	5.1	5.5	4.6	3.1	3.9	10.3	8.2	9.3
1991	6.4	5.7	6.1	4.6	3.9	4.3	11.0	9.6	10.3
1992	5.4	5.1	5.2	4.9	3.4	4.1	10.2	8.4	9.3
1993	4.8	3.6	4.2	4.3	3.4	3.9	9.1	7.0	8.1

(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, QUEENSLAND

Cause of death	1993					1992
	Fetal deaths	Neonatal deaths	Perinatal deaths			Perinatal deaths
			Males	Females	Persons	
<b>Main condition in fetus/infant</b>	<b>197</b>	<b>181</b>	<b>219</b>	<b>159</b>	<b>378</b>	<b>433</b>
Slow fetal growth, fetal malnutrition and immaturity (764,765)	11	25	21	15	36	52
Birth trauma (767)	1	11	4	8	12	5
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	61	34	58	37	95	133
Fetal and neonatal haemorrhage (772)	3	12	7	8	15	6
Haemolytic disease of fetus and newborn (773)	2	2	2	2	4	6
Other conditions originating in the perinatal period (766, 771, 774-779)	81	25	61	45	106	119
Congenital anomalies (740-759)	33	61	59	35	94	96
All other causes (remainder of 001-999)	5	11	7	9	16	16
<b>Main condition in mother</b>	<b>197</b>	<b>181</b>	<b>219</b>	<b>159</b>	<b>378</b>	<b>433</b>
Maternal conditions which may be unrelated to present pregnancy (760)	24	19	25	18	43	61
Maternal complications of pregnancy (761)	18	57	46	29	75	64
Complications of placenta, cord and membranes (762)	98	25	72	51	123	128
Other complications of labour and delivery (763)	2	3	4	1	5	8
No maternal condition reported	55	77	72	60	132	172

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

<i>Particulars</i>	1993					1992
	<i>Fetal deaths</i>	<i>Neonatal deaths</i>	<i>Perinatal deaths</i>			<i>Perinatal deaths</i>
			<i>Males</i>	<i>Females</i>	<i>Persons</i>	
<b>Age at death (a)</b>	..	<b>181</b>	<b>104</b>	<b>77</b>	<b>181</b>	<b>191</b>
Less than 1 hour	..	34	18	16	34	41
Less than 1 day	..	97	55	42	97	93
Less than 1 week	..	136	79	57	136	148
<b>Weight at delivery (grams)</b>	<b>197</b>	<b>181</b>	<b>219</b>	<b>159</b>	<b>378</b>	<b>433</b>
500- 999	66	71	83	54	137	157
1,000-1,999	50	38	52	36	88	96
2,000-2,999	38	30	33	35	68	86
3,000 or more	40	40	47	33	80	85
<b>Period of gestation (weeks)</b>	<b>197</b>	<b>181</b>	<b>219</b>	<b>159</b>	<b>378</b>	<b>433</b>
Less than 28	67	73	83	57	140	148
28-36	72	52	75	49	124	154
37-41	55	50	56	49	105	119
42 or more	2	3	2	3	5	7
<b>Age group of mother (years)</b>	<b>197</b>	<b>181</b>	<b>219</b>	<b>159</b>	<b>378</b>	<b>433</b>
Less than 20	16	18	12	22	34	36
20-24	43	34	49	28	77	110
25-29	64	58	80	42	122	121
30-34	40	49	48	41	89	104
35-39	26	19	25	20	45	49
40 or more	8	—	4	4	8	8

(a) Applicable to neonatal deaths only.

## EXPLANATORY NOTES

## Introduction

The statistics in this publication relate to the deaths of usual residents of Queensland. Publications containing similar information for other Australian States are also available.

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

## Definitions

3. *General deaths*, i.e. those included in Tables 1 to 12, comprise the deaths of people of all ages. Stillbirths are excluded.

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

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

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

5. *Live birth* 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).

6. *Period of gestation*. 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.

7. These definitions are based on the recommendations of the Ninth (1975) Revision of the World Health Organization's International Classification of Diseases (ICD).

8. *Expectation of life* refers to the average number of additional years a person of a given age and sex might expect to live if the age specific death rates of the given period continued throughout his or her lifetime.

## Year of occurrence and year of registration

9. The statistics in this publication refer to deaths registered, not those which actually occurred, in the years shown. Normally about 5 to 6 per cent of deaths occurring in a 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 6 years.

## State of usual residence and State of registration

10. *General deaths*. Figures shown in this publication represent deaths of usual residents of Queensland, 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 Queensland, which occurred overseas, are excluded from this publication. Deaths of people usually resident overseas but which occurred in Queensland are included in the Queensland figures.

11. *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 Queensland.

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

## Cause of death classifications used in this publication

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

14. For general deaths, particulars relate to the *underlying cause of death*, which the World Health Organization (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.

15. 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*.

16. 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.

17. All the cause of death tables in this publication show the ICD codes which constitute the causes of death shown,

EXPLANATORY NOTES — *continued***Cause of death classifications used in this publication — *continued***

hence the relationships between the various classifications used can be readily ascertained.

**Australian Standard Geographical Classification**

18. The Australian Standard Geographical Classification (ASGC), Edition 2.3, is used for Tables 7 and 9.

19. *Legal local government areas* (LGAs), as defined under the *Local Government Act 1936*, are spatial units which represent the geographical areas of incorporated local government councils, such as cities (C), towns (T) and shires (S).

20. *Statistical local areas* (SLAs) are the smallest types of spatial units in the ASGC for which data are presented in this publication. They correspond either to legal LGAs or to suburbs in certain urban legal LGAs. Some legal LGAs are split into two or more parts, with each part forming a separate spatial unit. The unincorporated area of Queensland also forms a SLA. In aggregate, SLAs cover the whole of the State without gaps or overlaps.

21. *Statistical subdivisions* (SSDs) consist of one or more SLAs.

22. *Statistical divisions*, which are groupings of SLAs, are designed to be relatively homogeneous regions characterised by identifiable social and economic units within the region. The Brisbane Statistical Division comprises the Cities of Brisbane, Ipswich, Logan and Redcliffe, the Shires of Pine Rivers and Redland and parts of the Shires of Albert, Beaudesert, Caboolture and Moreton.

23. *Statistical districts* 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.

**Tabulation procedures**

24. 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.

25. *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.

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

**Standardised death rates**

27. The standardised death rates shown in Table 8 for Queensland 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.

**Data quality**

28. 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. 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.

29. 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**

30. Publications for other States, containing death statistics corresponding to those included in this publication, are available on request.

31. Users may also wish to refer to the following publications, which are available on request.

*Deaths, Australia* (3302.0) - Latest issue: 1993 (\$18.50)

*Causes of Death, Australia* (3303.0) - Latest issue: 1993 (\$17.50)

*Perinatal Deaths, Australia* (3304.0) - Latest issue: 1993 (\$15.00)

*Demography, Queensland* (3311.3) - Latest issue: 1992 (\$27.50)

*Health and Welfare Establishments, Queensland* (4302.3) - Latest issue: 1991-92 (\$15.00)

*Hospital Morbidity, Queensland* (4303.3) - Latest issue: 1991 (\$15.00)

*Employment Injuries, Queensland* (6301.3) - Latest issue: 1991-92 (\$15.00)

## EXPLANATORY NOTES — continued

32. This is the final issue of *Deaths, Queensland*. In future, selected Queensland causes of death statistics will be published in *Causes of Death, Australia* (3303.0). Other Queensland death statistics are available in *Demography, Queensland* (3311.3).

33. 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 any ABS office.

**Unpublished statistics**

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

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

**Symbols and other usages**

r	figure or series revised since previous issue
..	not applicable
—	nil or rounded to zero

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

# QUEENSLAND STATISTICAL DIVISIONS



## APPENDIX A

## DATA ITEMS AVAILABLE

## For deaths of persons usually resident in Queensland

## 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)  
 Previous pregnancies resulting in live births, still births and abortion  
 Outcome of last previous pregnancy (all issue live born, one or more issue born dead, abortion)  
 Date of delivery/termination of last previous pregnancy  
 For current pregnancy  
   Presentation at birth  
   Method of delivery  
   Attendant at birth (obstetrician, midwife, etc.)  
   Number of antenatal care visits

## 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

## APPENDIX B

## UNPUBLISHED TABLES (subject to confidentiality constraints)

## Table

## 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 Queensland

## 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 Queensland mothers. Unless otherwise indicated, 50 groups are shown for main condition in fetus/infant and 18 groups for main condition in mother.



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