



**Australian  
Bureau of  
Statistics**

**NEW ISSUE**

**1990**

**DEATHS  
QUEENSLAND**

**Catalogue No. 3312.3**

## DEATHS, QUEENSLAND, 1990

## CONTENTS

<i>Table</i>	<i>Page</i>
.. Summary of Findings	2
<i>Diagram</i>	
1 Crude death rates and infant mortality rate, Queensland, 1970 to 1990	2
2 Leading causes of death, Queensland, 1989 and 1990	3
3 Leading causes of death: Proportion of all deaths in each age group, Queensland, 1990	3
4 Deaths from suicide: Proportion by method used by sex, Queensland, 1990	4
<i>Table</i>	
1 Deaths: Summary, Queensland, 1976, 1981, 1986 and 1988 to 1990	5
2 Deaths: Age at death by sex, numbers, rates and proportions, Queensland, 1988 to 1990	5
3 Infant deaths and death rates: Age at death by sex, Queensland, 1990	6
4 Deaths: Month and year of occurrence, Queensland, 1985 to 1990	6
5 Deaths: State or Territory of usual residence and State or Territory of registration, 1990	6
6 Expectation of life by age and sex, Queensland, 1975, 1980 and 1988 to 1990	7
7 Deaths: Numbers and rates by statistical local area of usual residence, Queensland, 1990	8
8 Deaths: Numbers, proportions and rates for leading causes by sex, Queensland, 1990	9
9 Deaths: Leading causes by statistical division of usual residence, numbers, proportions and rates, Queensland, 1990	10
10 Deaths: Cause by sex, Queensland, 1988 to 1990	11
11 Deaths: Cause by sex and age group, Queensland, 1990	12
12 Deaths: Numbers, proportions and rates for age groups by leading causes and sex, Queensland, 1988 to 1990	15
Perinatal deaths: Fetal, neonatal and perinatal deaths, Queensland	
13 Numbers and rates by sex, 1985 to 1990	17
14 Main cause or condition in fetus/infant and mother, 1989 and 1990	17
15 Age at death, weight at birth, period of gestation and age group of mother, 1989 and 1990	18
.. Explanatory Notes	19
.. Map: Statistical Divisions, Queensland	22
<b>APPENDICES</b>	
A Data items available	23
B Unpublished tables	24

## NOTES

The statistics in this publication were derived from information on deaths made available to the ABS by the Registrars of Births, Deaths and Marriages. Explanatory Notes are located at the back of this publication.

J.K. Cornish  
DEPUTY COMMONWEALTH STATISTICIAN

313 Adelaide Street  
BRISBANE Q 4000  
16 January 1992

© Commonwealth of Australia 1992

## INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Ron Ketter on Brisbane (07) 222 6054 or any ABS State office.
- for information about other ABS statistics and services please contact Information Services on Brisbane (07) 222 6351 or any ABS State office.

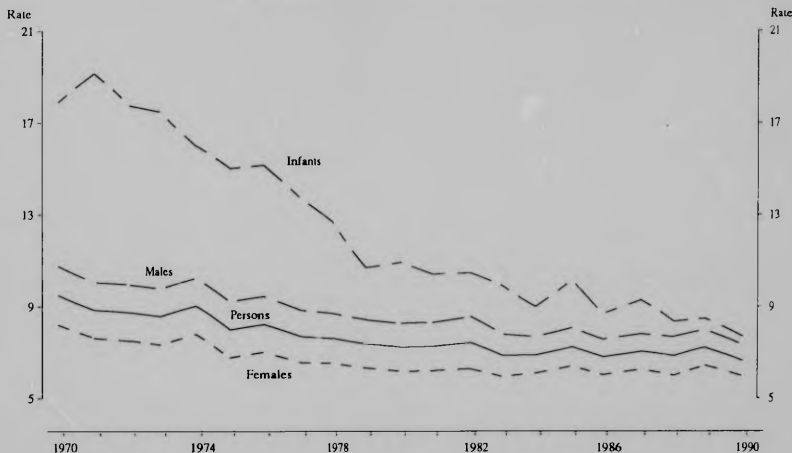
## SUMMARY OF FINDINGS

## Deaths: Overview

There were 19,321 deaths of usual residents of Queensland registered during 1990, a decrease of 5.5 per cent from the figure of 20,445 for 1989. Deaths were recorded for 10,694 males and 8,627 females. The sex ratio for deaths (male deaths per 100 female deaths) decreased to a record low of 124.0 in 1990, continuing a long-term downward trend. The median age at death in 1990 was 71.9 years for males and 78.0 years for females.

The crude death rate (deaths per 1,000 mean estimated resident population) decreased from 7.2 in 1989 to 6.6 in 1990. The general trend for the crude death rate over the last 20 years has been a gradual but consistent decline.

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



Deaths of Queensland infants aged less than 1 year decreased from 357 in 1989 to 345 in 1990. Almost half (45.2 per cent) of all infant deaths occurred within the first week of life. The infant death rate has declined significantly in the last 20 years, falling from 17.9 in 1970 to 7.7 in 1990, as Diagram 1 indicates.

The risk of death is relatively high in the first year of life. The death rate in 1990 for children under 1 year of age was 8.2 for male infants and 7.1 for female infants. The rate then drops sharply 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 fluctuations in the time of year in which Queensland deaths occur. The number of deaths occurring in winter is much higher than in summer, with July or August usually recording the highest number of deaths and February the lowest.

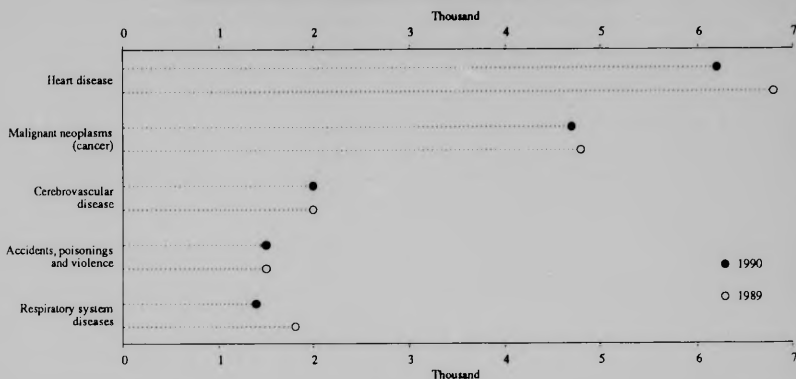
Because of the relatively lower mortality rates for females, their life expectancy is greater than for males at each age. In 1990, life expectancy at birth for Queensland infants was estimated to be 74.1 years for males compared with 80.2 years for females, indicating that on average, a female born in 1990 will live 6.1 years longer than a male born in the same year. At age 50 years, males can expect to live another 27.4 years compared with 32.2 years for females.

## SUMMARY OF FINDINGS — continued

## Causes of death: General

Most leading causes of death recorded in 1990 were at levels similar to those observed for 1989.

DIAGRAM 2 - LEADING CAUSES OF DEATH, QUEENSLAND, 1989 and 1990

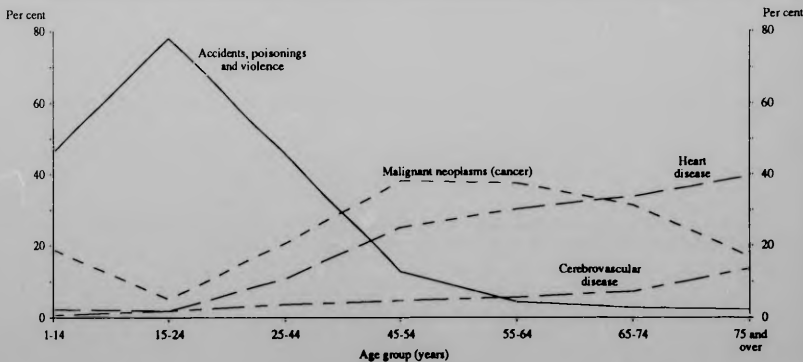


Almost one-third (32.3 per cent) of all deaths for 1990 were due to *heart disease* and almost one-quarter (24.4 per cent) were due to *malignant neoplasms* (cancer). Other leading causes of death included *cerebrovascular disease*, comprising mainly stroke (10.3 per cent) and *accidents, poisonings and violence* (7.6 per cent). Deaths due to *respiratory system diseases*, comprising mainly asthma, emphysema, bronchitis, influenza and pneumonia represented 7.4 per cent of total deaths in 1990, whereas in 1989 the level recorded for *respiratory system diseases* was 8.7 per cent.

## Causes of death: Analysis by sex

The sex composition of deaths in Queensland during 1990 varied significantly for certain causes of death. For deaths from *heart disease*, the ratio was somewhat higher for males (53.7 per cent). For *malignant neoplasms*, *respiratory system diseases* and *accidents, poisonings and violence*, the ratios for males were higher at 59.0 per cent, 63.9 per cent and 70.8 per cent, respectively, however, for *cerebrovascular disease*, the ratio was higher for females (58.6 per cent).

DIAGRAM 3 - LEADING CAUSES OF DEATH: PROPORTION OF ALL DEATHS IN EACH AGE GROUP, QUEENSLAND, 1990



## 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 1990.

*Heart disease* was the most prominent single cause of death for persons aged 65 years and over (36.8 per cent), whereas, for persons aged between 45 and 64 years, the major single cause of death was *cancer* (39.0 per cent). Deaths of persons under 45 years of age were more often attributed to *accidents, poisonings and violence* (44.5 per cent) than to any other single cause.

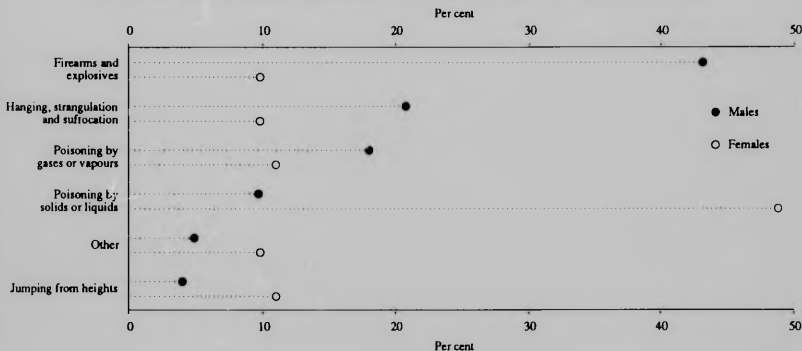
## Deaths due to suicide

During 1990 there were 423 deaths from *suicide* recorded in Queensland, this was 2.9 per cent higher than for 1989. Males accounted for 80.6 per cent of deaths due to *suicide* in 1990.

The 25 to 44 years age group was responsible for 38.1 per cent of all deaths from *suicide* during 1990 and comprised the highest number for both males and females of all age groups.

Of those deaths in 1990 resulting from *suicide*, 36.6 per cent (155 deaths) involved the use of firearms and explosives, which was more than the count for any other single cause.

DIAGRAM 4 - DEATHS FROM SUICIDE: PROPORTION BY METHOD USED BY SEX, QUEENSLAND, 1990



## Perinatal deaths

There were 419 perinatal deaths recorded in Queensland during 1990, comprising 246 fetal deaths and 173 neonatal deaths.

For fetal deaths in 1990, the major single cause was *hypoxia, birth asphyxia and other respiratory conditions* (31.3 per cent), while the most significant single condition in the mother was *complications of placenta, cord and membranes* (47.2 per cent).

For neonatal deaths during 1990, the most significant single cause of death was *congenital anomalies* (38.7 per cent) and the main condition in the mother was *maternal complications of pregnancy* (28.3 per cent).

TABLE 1. DEATHS: SUMMARY, QUEENSLAND

Particulars	1976	1981	1986	1988	1989	1990
Deaths						
Males	9,948	9,803	10,006	10,597	11,360	10,694
Females	7,291	7,234	7,855	8,206	9,085	8,627
Persons	17,239	17,037	17,861	18,803	20,445	19,321
Sex ratio (male deaths per 100 female deaths)	136	136	127	129	125	124
Median age at death (years)						
Males	68.4	69.6	70.6	71.5	72.2	71.9
Females	75.2	76.5	76.9	77.8	78.1	78.0
Crude death rate(a)						
Males	9.5	8.3	7.6	7.7	8.0	7.3
Females	7.0	6.2	6.0	6.0	6.4	6.0
Persons	8.2	7.3	6.8	6.9	7.2	6.6
Infant deaths(b)	535	406	351	339	357	345
Infant mortality rate(c)	15.2	10.4	8.7	8.4	8.5	7.7

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

TABLE 2. DEATHS: AGE AT DEATH BY SEX, NUMBERS, RATES AND PROPORTIONS, QUEENSLAND

Age at death (years)	Number			Rate(a)			Proportion (per cent)	
	1988	1989	1990	1988	1989	1990	1988	1990
<b>Males</b>								
Under 1	187	173	190	9.0	8.1	8.2	1.8	
1-4	44	54	43	0.5	0.6	0.5	0.4	
5-9	35	21	37	0.3	0.2	0.3	0.3	
10-14	38	33	33	0.3	0.3	0.3	0.3	
15-19	141	145	127	1.1	1.1	1.0	1.2	
20-24	165	159	173	1.5	1.4	1.4	1.6	
25-29	153	161	137	1.3	1.3	1.1	1.3	
30-34	150	161	152	1.4	1.4	1.3	1.4	
35-39	169	192	161	1.6	1.8	1.5	1.5	
40-44	211	183	215	2.1	1.7	2.0	2.0	
45-49	239	283	286	3.1	3.5	3.3	3.3	
50-54	374	421	373	5.9	6.3	5.3	3.5	
55-59	617	606	595	10.4	10.1	9.9	5.6	
60-64	1,019	975	963	17.7	16.5	16.1	9.0	
65-69	1,358	1,411	1,373	27.7	27.2	25.7	12.8	
70-74	1,496	1,697	1,372	41.7	46.7	36.6	12.8	
75-79	1,651	1,731	1,719	68.8	67.8	65.2	16.1	
80-84	1,328	1,511	1,409	106.1	114.7	100.4	13.2	
85 and over	1,222	1,443	1,336	181.3	203.2	183.1	12.5	
<b>Total</b>	<b>10,597</b>	<b>11,360</b>	<b>10,694</b>	<b>7.7</b>	<b>8.0</b>	<b>7.3</b>	<b>100.0</b>	
<b>Females</b>								
Under 1	152	184	155	7.7	8.9	7.1	1.8	
1-4	40	36	31	0.5	0.4	0.4	0.4	
5-9	30	20	14	0.3	0.2	0.1	0.2	
10-14	26	16	10	0.2	0.1	0.1	0.1	
15-19	40	42	50	0.3	0.3	0.4	0.6	
20-24	56	47	43	0.5	0.4	0.4	0.5	
25-29	50	67	47	0.4	0.6	0.4	0.5	
30-34	67	54	59	0.6	0.5	0.5	0.7	
35-39	84	86	102	0.8	0.8	0.9	1.2	
40-44	111	110	136	1.2	1.1	1.3	1.6	
45-49	155	153	142	2.2	2.0	1.7	1.6	
50-54	214	227	240	3.6	3.6	3.6	2.8	
55-59	319	326	293	5.5	5.6	5.0	3.4	
60-64	471	488	480	8.1	8.2	8.0	5.6	
65-69	697	785	756	13.1	14.2	13.3	8.8	
70-74	936	1,087	1,002	21.6	24.8	22.4	11.6	
75-79	1,212	1,379	1,298	37.5	39.9	36.1	15.0	
80-84	1,338	1,434	1,384	67.3	68.9	62.7	16.0	
85 and over	2,207	2,544	2,385	139.8	153.2	138.2	27.6	
<b>Total</b>	<b>8,206</b>	<b>9,085</b>	<b>8,627</b>	<b>6.0</b>	<b>6.4</b>	<b>6.0</b>	<b>100.0</b>	

(a) Deaths per 1,000 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 1,000 of mean resident population for Total all ages.

TABLE 3. INFANT DEATHS AND DEATH RATES: AGE AT DEATH BY SEX, QUEENSLAND, 1990

Age at death	Number (a)			Infant death rate (b)		
	Males	Females	Persons	Males	Females	Persons
Under 1 day	62	45	107	2.7	2.1	2.4
1 day and under 7 days	24	25	49	1.0	1.1	1.1
1 week and under 4 weeks	26	12	38	1.1	0.6	0.8
Total under 1 month	112	82	194	4.9	3.8	4.3
1 month and under 12 months	78	73	151	3.4	3.4	3.4
Total under 1 year	190	155	345	8.2	7.1	7.7

(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, 1985 TO 1990

Month of occurrence	Year of occurrence					
	1985	1986	1987	1988	1989	1990
January	1,442	1,330	1,499	1,504	1,540	1,500
February	1,222	1,246	1,313	1,376	1,334	1,343
March	1,302	1,419	1,453	1,476	1,453	1,450
April	1,389	1,333	1,480	1,494	1,449	1,443
May	1,533	1,447	1,541	1,649	1,603	1,661
June	1,828	1,657	1,642	1,751	1,951	1,707
July	2,236	1,740	1,891	1,877	2,095	1,829
August	1,761	1,685	1,791	1,936	2,188	1,944
September	1,661	1,554	1,626	1,601	2,060	1,858
October	1,494	1,417	1,572	1,499	1,781	1,453
November	1,394	1,405	1,483	1,441	1,497	1,469
December	1,455	1,483	1,483	1,500	1,529	1,585
Total	18,717	17,716	18,774	19,104	20,489	19,242

(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 1991. 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, 1990

State or Territory of usual residence	State or Territory of registration								
	NSW	Vic.	Qld	SA	WA	Tas	NT	ACT	Australia
New South Wales	43,063	213	262	44	17	6	8	200	43,813
Victoria	199	30,630	57	60	13	10	10	7	30,986
Queensland	236	42	19,008	12	5	5	10	3	19,321
South Australia	32	43	15	10,826	9	2	9	2	10,938
Western Australia	3	11	7	6	9,368	3	9	—	9,407
Tasmania	8	25	8	2	4	3,664	1	1	3,713
Northern Territory	—	—	6	34	2	—	740	—	782
Australian Capital Territory	47	12	5	3	3	—	—	1,032	1,102
Total registrations	43,588	30,976	19,368	10,987	9,421	3,690	787	1,245	120,062

TABLE 6. EXPECTATION OF LIFE, QUEENSLAND

Expectation of life at exact age (years) (a)	1975	1980	1988	1989	1990
MALES					
0	68.82	71.06	73.30	73.22	74.13
1	68.97	70.82	72.96	72.82	73.75
10	60.39	62.10	64.23	64.07	65.01
20	50.97	52.59	54.66	54.44	55.38
30	41.81	43.34	45.36	45.13	46.03
40	32.69	34.00	35.96	35.77	36.61
50	24.14	25.18	26.78	26.57	27.41
60	16.70	17.46	18.55	18.35	19.11
65	13.53	14.13	15.03	14.71	15.50
70	10.71	11.19	11.85	11.53	12.23
80	6.18	6.64	6.83	6.49	6.86
FEMALES					
0	76.17	78.15	79.79	79.39	80.22
1	76.16	78.04	79.42	79.11	79.79
10	67.52	69.31	70.69	70.32	70.97
20	57.76	59.54	60.88	60.48	61.12
30	48.04	49.82	51.15	50.75	51.35
40	38.54	40.23	41.47	41.04	41.66
50	29.57	30.96	32.08	31.61	32.24
60	21.32	22.27	23.29	22.82	23.41
65	17.42	18.25	19.15	18.68	19.26
70	13.80	14.48	15.27	14.87	15.38
80	7.64	8.07	8.65	8.46	8.75

(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, 1990**

<i>Statistical Division Subdivision Statistical local area(a)</i>	<i>Number</i>	<i>Rate(a)</i>	<i>Statistical Division Subdivision Statistical local area(a)</i>	<i>Number</i>	<i>Rate(a)</i>
<b>Brisbane</b>	8,599	6.6	<b>Darling Downs -continued</b>		
Brisbane (C)	6,107	8.1	Goondwindi (T)	33	7.5
Albert (S) Part A	135	4.4	Inglewood (S)	27	9.0
Beaudesert (S) Part A	6	1.0	Jondaryan (S)	53	5.0
Caboolture (S) Part A	216	5.2	Mullmerran (S)	19	6.0
Ipswich (C)	505	6.6	Murrilla (S)	21	6.9
Logan (C)	424	2.9	Pittsworth (S)	34	8.0
Moreton (S) Part A	87	2.5	Rosalie (S)	36	4.8
Pine Rivers (S) Part A	245	2.8	Rosenthal (S)	7	3.5
Redcliffe (C)	484	9.9	Stanthorpe (S)	79	7.9
Redland (S)	390	4.9	Tara (S)	10	2.6
			Taroom (S)	18	5.7
<b>Moreton</b>	3,415	6.7	Toowoomba (C)	690	8.4
Gold Coast (C)	1,198	8.7	Wagamba (S)	12	4.5
Albert (S) Part B	509	5.3	Wambo (S)	17	3.1
Sunshine Coast	842	7.7	Warwick (C)	131	12.5
Caloundra (C) Part A	247	7.4			
Maroochy (S) Part A	467	7.8	<b>South West</b>	223	7.8
Noosa (S) Part A	128	7.7	Balonne (S)	28	5.4
Moreton SD Bal	876	5.3	Bendemeer (S)	7	6.3
Albert (S) Part C	70	5.2	Booringa (S)	17	7.6
Beaudesert (S) Part B	123	4.2	Bulloo (S)	6	9.8
Buonah	45	7.0	Bungil (S)	9	4.4
Caboolture (S) Part B	195	7.7	Murweh (S)	61	11.5
Caloundra (C) Part B	81	5.4	Paroo (S)	26	9.7
Esk (S)	57	5.3	Quilpie (S)	4	3.0
Gatton (S)	62	4.6	Roma (T)	60	8.6
Kilsby (S)	18	5.9	Warroo (S)	5	4.3
Laidley (S)	66	8.1			
Maroochy (S) Part B	45	3.2	<b>Fitzroy</b>	1,030	6.2
Moreton (S) Part B	62	4.7	Fitzroy (S) Part A	26	8.8
Noosa (S) Part B	41	4.9	Rockhampton (C)	522	8.9
Pine Rivers (S) Part B	11	3.3	Calliope (S) Part A	45	5.4
			Gladstone (C)	91	3.9
<b>Wide Bay-Burnett</b>	1,484	7.9	Banana (S)	78	4.6
Bundaberg (C)	365	11.0	Bauhinia (S)	9	3.8
Gooburrum (S) Part A	—	—	Calliope (S) Part B	22	9.3
Woongarra (S) Part A	56	4.7	Duaringa (S)	26	2.5
Biggenden (S)	12	7.2	Emerald (S)	41	4.2
Eidsvold (S)	13	11.3	Fitzroy (S) Part B	13	2.9
Gayndah (S)	31	11.1	Jericho (S)	3	2.9
Gooburrum (S) Part B	22	3.6	Livingstone (S)	100	5.9
Gympie (C)	150	13.2	Mount Morgan (S)	40	12.7
Hervey Bay (C)	232	9.1	Peak Downs (S)	7	1.8
Isis (S)	27	6.1			
Kilkivan (S)	20	7.1	<b>Central West</b>	86	6.5
Kingaroy (S)	95	8.9	Aramac (S)	3	2.9
Kolan (S)	11	3.8	Barcaldine (S)	20	11.1
Maryborough (C)	253	10.9	Barroo (S)	3	6.6
Miriam Vale (S)	11	4.7	Blackall (S)	11	5.2
Momo (S)	21	6.6	Boulia (S)	2	3.7
Mundubbera (S)	14	6.2	Diamantina (S)	1	4.1
Murgon (S)	32	6.9	Ilfracombe (S)	—	—
Nanango (S)	29	4.5	Isisford (S)	—	—
Perry (S)	4	11.7	Longreach (S)	28	7.0
Tiaro (S)	8	2.8	Tambo (S)	2	3.2
Widgee (S)	39	2.4	Winton (S)	16	9.3
Wondai (S)	27	6.7			
Woocoo (S)	7	2.2	<b>Mackay</b>	551	5.0
Woongarra (S) Part B	5	1.9	Mackay (C)	259	11.4
			Pioneer (S) Part A	117	4.1
<b>Darling Downs</b>	1,428	7.5	Belyando (S)	39	3.2
Allora (S)	15	6.7	Broadsound (S)	11	1.2
Cambooya (S)	5	1.7	Mirani (S)	17	3.4
Chinchilla (S)	43	7.4	Nebo (S)	6	2.5
Clifton (S)	20	8.2	Pioneer (S) Part B	19	2.0
Crows Nest (S)	53	8.0	Sarins (S)	35	4.4
Dalby (T)	91	9.4	Whitsunday (S)	48	4.0
Glengallan (S)	14	3.6			

TABLE 7. DEATHS: NUMBERS AND RATES BY STATISTICAL LOCAL AREA OF USUAL RESIDENCE  
QUEENSLAND, 1990—continued

Statistical Division Subdivision Statistical local area(a)	Number	Rate(a)	Statistical Division Subdivision Statistical local area(a)	Number	Rate(a)
<i>Northern</i>	1,105	6.1	<i>Far North—continued</i>		
Townsville (C)	512	6.1	Etheridge (S)	6	5.1
Thuringowa (C) Part A	102	3.4	Herberton (S)	58	11.3
Northern SD Bal	491	7.4	Johnstone (S)	132	7.4
Bowen (S)	93	6.8	Mareeba (S)	145	8.5
Burdekin (S)	145	7.9	Mulgrave (S) Part B	47	4.4
Charters Towers (C)	109	12.4	Torres (S)	41	5.4
Dalrymple (S)	11	2.7	Weipa (T)	5	2.0
Hinchinbrook (S)	103	7.8			
Thuringowa (C) Part B	30	3.8	<i>North West</i>	196	5.1
<i>Far North</i>	1,194	6.5	Burke (S)	12	8.8
Cairns (C)	345	7.9	Carpentaria (S)	26	8.2
Mulgrave (S) Part A	146	3.7	Cloncurry (S)	18	5.0
Atherton (S)	63	6.5	Flinders (S)	13	4.5
Aurukun (S)	3	2.7	McKinlay (S)	4	3.0
Cardwell (S)	79	9.2	Mornington (S)	9	9.6
Cook (S)	41	8.4	Mount Isa (C)	103	4.3
Croydon (S)	3	8.9	Richmond (S)	11	9.5
Douglas (S)	45	5.3	<i>Queensland(b)</i>	19,321	6.6
Eacham (S)	35	5.7			

(a) Numbers of deaths per 1,000 of population. The crude death rates do not take account of the differing age and sex distributions that exist in various areas. For example, areas with a high proportion of aged persons are likely to show high crude death rates while areas with a relatively younger population will probably show low death rates. (b) Including unincorporated islands and off-shore areas and migratory.

TABLE 8. DEATHS: NUMBERS, PROPORTIONS AND RATES FOR LEADING CAUSES(a), BY SEX  
QUEENSLAND, 1990.

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	3,349	2,780	824	909	298	341	10,694
Females	2,888	1,929	1,167	514	146	82	8,627
Persons	6,237	4,709	1,991	1,423	444	423	19,321
<b>Proportions by sex (%)</b>							
Males	53.7	59.0	41.4	63.9	67.1	80.6	55.3
Females	46.3	41.0	58.6	36.1	32.9	19.4	44.7
Persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Proportions by cause of death (%)</b>							
Males	31.3	26.0	7.7	8.5	2.8	3.2	100.0
Females	33.5	22.4	13.5	6.0	1.7	1.0	100.0
Persons	32.3	24.4	10.3	7.4	2.3	2.2	100.0
<b>Crude death rates(b)</b>							
Males	2.3	1.9	0.6	0.6	0.2	0.2	7.3
Females	2.0	1.3	0.8	0.4	0.1	0.1	6.0
Persons	2.1	1.6	0.7	0.5	0.2	0.1	6.6
<b>Standardised death rates(c)</b>							
Queensland	209.2	161.0	066.3	047.8	015.2	014.5	651.8
Australia	211.1	171.9	066.0	049.8	014.5	012.5	668.9

(a) Comprising the following: Heart disease (ICD codes 393-398,402,404,410-414,415,416, 420-429); Cancer (ICD codes 140-208); Cerebrovascular disease (ICD codes 430-438); Respiratory systems diseases (ICD codes 460-519); Motor vehicle traffic accidents (ICD codes E810-E819); Suicide (ICD codes E950-E959). (b) Number of deaths per 1,000 of mean population. (c) Deaths per 100,000 population, standardised for age and sex using the 1986 Australian population as the standard population.

TABLE 9. DEATHS: LEADING CAUSES(a) BY STATISTICAL DIVISION OF USUAL RESIDENCE  
NUMBERS, PROPORTIONS AND RATES, QUEENSLAND, 1990

Statistical division	Heart disease	Malignant neoplasms (cancer)	Cerebro-vascular disease (incl. stroke)	Respiratory system diseases	Motor vehicle traffic accidents	Suicide	All causes
NUMBERS							
Brisbane	2,780	2,147	926	607	144	174	8,599
Moreton	1,093	942	359	241	91	76	3,425
Wide Bay-Burnett	535	340	140	122	39	35	1,484
Darling Downs	496	291	167	113	38	20	1,428
South West	62	42	22	26	9	5	223
Fitzroy	347	247	88	63	28	23	1,030
Central West	26	12	13	4	3	2	86
Mackay	187	136	55	32	17	10	551
Northern	334	258	113	97	25	29	1,105
Far North	332	259	93	96	45	42	1,194
North West	45	35	15	22	7	7	196
Queensland	6,237	4,709	1,991	1,423	444	423	19,321
PROPORTIONS (PER CENT)							
Brisbane	32.3	25.0	10.8	7.1	1.7	2.0	100.0
Moreton	31.9	27.5	10.5	7.0	2.7	2.2	100.0
Wide Bay-Burnett	36.1	22.9	9.4	8.2	2.6	2.4	100.0
Darling Downs	34.7	20.4	11.7	7.9	2.7	1.4	100.0
South West	27.8	18.8	9.9	11.7	4.0	2.2	100.0
Fitzroy	33.7	24.0	8.5	6.1	2.7	2.2	100.0
Central West	30.2	14.0	15.1	4.7	3.5	2.3	100.0
Mackay	33.9	24.7	10.0	5.8	3.1	1.8	100.0
Northern	30.2	23.3	10.2	8.8	2.3	2.6	100.0
Far North	27.8	21.7	7.8	8.0	3.6	3.5	100.0
North West	23.0	17.9	7.7	11.2	3.6	3.6	100.0
Queensland	32.3	24.4	10.3	7.4	2.3	2.2	100.0
RATES(b)							
Brisbane	2.1	1.6	0.7	0.5	0.1	0.1	6.6
Moreton	2.2	1.9	0.7	0.5	0.2	0.1	6.7
Wide Bay-Burnett	2.9	1.8	0.7	0.7	0.2	0.2	7.9
Darling Downs	2.6	1.5	0.9	0.6	0.2	0.1	7.5
South West	2.2	1.5	0.8	0.9	0.3	0.2	7.8
Fitzroy	2.1	1.5	0.5	0.4	0.2	0.1	6.2
Central West	2.0	0.9	1.0	0.3	0.2	0.2	6.5
Mackay	1.7	1.2	0.5	0.3	0.2	0.1	5.0
Northern	1.9	1.4	0.6	0.5	0.1	0.2	6.1
Far North	1.8	1.4	0.5	0.5	0.2	0.2	6.5
North West	1.2	0.9	0.4	0.6	0.2	0.2	5.1
Queensland	2.1	1.6	0.7	0.5	0.2	0.1	6.6

(a) Comprising the following: Heart disease (ICD codes 393-398, 402, 404, 410-414, 415, 416, 420-429); Cancer (ICD codes 140-208); Cerebrovascular disease (ICD codes 430-438); Respiratory system diseases (ICD codes 460-519); Motor vehicle traffic accidents (ICD codes E810-E819); Suicide (ICD codes E950-E959). (b) Numbers of deaths per 1,000 of mean 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)	1988		1989		1990	
	Males	Females	Males	Females	Males	Females
<i>Class I Infectious and parasitic diseases (001-139)</i>	66	67	68	57	65	71
<i>Class II Neoplasms (140-239)</i>	2,745	1,811	2,883	1,969	2,798	1,955
Malignant neoplasms (cancer) (140-208)	2,716	1,786	2,865	1,952	2,780	1,929
Lip, oral cavity and pharynx (140-149)	69	24	94	25	80	29
Stomach (151)	114	69	130	60	113	56
Colon (153)	253	250	271	267	267	245
Pancreas (157)	93	83	120	104	99	88
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	254	162	258	157	241	157
Respiratory and intrathoracic organs (160-165)	843	190	841	206	786	224
Melanoma of skin (172)	98	44	88	52	84	54
Breast (174, 175)	2	326	4	357	2	336
Genitourinary organs (179-189)	456	260	473	272	508	290
Other and unspecified sites (170-171, 173, 190-199)	293	220	326	255	341	258
Lymphatic and haematopoietic tissue (200-208)	241	158	260	197	259	192
<i>Class III Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>	198	221	231	211	218	195
Diabetes mellitus (250)	136	161	140	159	126	136
<i>Class IV Diseases of blood and blood-forming organs (280-289)</i>	37	34	35	38	45	33
<i>Class V Mental disorders (290-319)</i>	139	140	145	170	150	147
<i>Class VI Diseases of the nervous system and sense organs (320-389)</i>	163	110	191	179	196	168
<i>Class VII Diseases of the circulatory system (390-459)</i>	4,498	4,087	4,790	4,552	4,514	4,359
All heart disease (393-398, 402, 404, 410-414, 415, 416, 420-429)	3,424	2,722	3,655	3,116	3,349	2,888
Hypertensive disease (401-405)	61	76	73	90	60	76
Acute myocardial infarction (410)	2,054	1,469	2,189	1,663	2,048	1,556
Other ischaemic heart disease (411-414)	931	730	946	815	816	791
Diseases of pulmonary circulation and other forms of heart disease (415-429)	389	434	470	556	443	472
Cerebrovascular disease (incl. stroke) (430-438)	780	1,113	803	1,147	824	1,167
Other diseases of circulatory system (390-392, 440-459)	266	234	287	249	305	265
<i>Class VIII Diseases of the respiratory system (460-519)</i>	916	535	1,145	634	909	514
Pneumonia and influenza (480-487)	115	144	179	186	165	140
Chronic obstructive pulmonary disease and allied conditions (490-496)	694	323	871	356	643	301
<i>Class IX Diseases of the digestive system (520-579)</i>	349	317	400	339	354	327
Ulcer of stomach and duodenum (531-533)	63	64	88	69	71	78
Chronic liver disease and cirrhosis (571)	110	40	127	47	118	48
<i>Class X Diseases of the genitourinary system (580-629)</i>	157	202	176	219	150	177
Nephritis, nephrotic syndrome and nephrosis (580-589)	97	139	113	139	107	125
<i>Class XI Complications of pregnancy, childbirth and the puerperium (630-676)</i>	—	1	—	4	—	1
<i>Class XII Diseases of the skin and subcutaneous tissue (680-709)</i>	16	15	20	22	15	17
<i>Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)</i>	41	56	37	84	39	70
<i>Class XIV Congenital anomalies (740-759)</i>	75	78	73	72	59	74
<i>Class XV Certain conditions originating in the perinatal period (760-779)</i>	84	78	77	77	90	47
<i>Class XVI Symptoms, signs and ill-defined conditions (780-799)</i>	47	29	46	47	53	43
<i>Class XVII Accidents, poisonings and violence (external causes) (E800-E999)</i>	1,066	425	1,043	411	1,039	429
Motor vehicle traffic accidents (E810-E819)	355	155	308	127	298	146
Accidental drowning and submersion (E910)	53	16	46	21	48	26
Suicide (E950-E959)	325	82	329	82	341	82
<b>All causes</b>	<b>10,597</b>	<b>8,206</b>	<b>11,360</b>	<b>9,085</b>	<b>10,694</b>	<b>8,627</b>

TABLE 11. DEATHS: CAUSE BY SEX AND AGE GROUP, QUEENSLAND, 1990

Cause of death and ICD code (Classes and selected categories)		Sex	Age group (years)										Total
			Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
Class I	Infectious and parasitic diseases (001-139)	M	5	—	1	3	6	10	16	8	11	5	65
		F	2	—	3	2	2	6	17	4	17	18	71
Class II	Neoplasms (140-239)	M	2	20	11	96	206	577	900	449	327	210	2,798
		F	3	4	8	141	180	359	555	259	202	244	1,955
	Malignant neoplasms (cancer) (140-208)	M	1	20	11	96	206	571	896	446	326	207	2,780
		F	2	4	7	139	179	358	548	253	200	239	1,929
	Lip, oral cavity and pharynx (140-149)	M	—	—	—	3	14	22	27	6	5	3	80
		F	—	—	—	—	4	4	10	3	6	2	29
	Stomach (151)	M	—	—	—	3	8	19	33	15	20	15	113
		F	—	—	—	3	6	5	10	9	7	16	56
	Colon (153)	M	—	—	—	7	21	60	92	46	26	15	267
		F	—	—	1	10	19	45	73	34	25	38	145
	Pancreas (157)	M	—	—	—	2	6	27	41	13	5	5	99
		F	—	—	—	—	5	17	31	11	11	13	88
	Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	M	—	—	—	10	21	59	84	30	24	13	241
		F	—	—	—	3	11	26	40	25	18	34	157
	Respiratory and intrathoracic organs (160-165)	M	—	—	—	8	58	188	293	123	74	42	786
		F	—	—	—	12	14	60	71	30	21	16	224
	Melanoma of skin (172)	M	—	—	—	10	17	20	18	13	3	3	84
		F	—	1	—	12	5	9	13	4	7	3	54
	Breast (174, 175)	M	—	—	—	—	—	—	1	1	—	—	2
		F	—	—	—	41	55	74	80	32	23	31	336
	Genitourinary organs (179-189)	M	—	2	—	5	11	57	154	111	100	68	508
		F	—	—	—	26	24	54	86	40	30	30	290
	Other and unspecified sites (170-171,173,190-199)	M	1	9	8	29	26	74	94	43	39	18	341
		F	1	1	2	18	27	42	76	32	26	33	258
	Lymphatic and haematopoietic tissue (200-208)	M	—	9	3	19	24	45	59	45	30	25	259
		F	1	2	4	14	9	22	58	33	26	23	192
Class III	Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	—	1	2	40	16	40	44	31	23	21	218
		F	1	—	5	9	11	27	41	33	35	33	195
		M	—	—	—	6	6	18	34	28	18	16	126
	Diabetes mellitus (250)	F	—	—	—	1	9	18	32	26	27	23	136
Class IV	Diseases of blood and blood-forming organs (280-289)	M	—	—	1	2	1	3	6	7	10	15	45
		F	—	—	—	2	—	1	5	6	6	13	33
Class V	Mental disorders (290-319)	M	—	—	4	6	8	16	19	26	25	46	150
		F	—	—	—	6	2	—	9	14	30	86	147
Class VI	Diseases of the nervous system and sense organs (320-389)	M	6	8	9	14	6	14	48	27	31	33	196
		F	5	2	2	10	9	18	32	23	30	37	168
Class VII	Diseases of the circulatory system (390-459)	M	—	4	15	118	240	619	1,213	867	710	728	4,514
		F	1	3	9	44	90	218	788	762	878	1,566	4,359

DEAR READER

**DEATHS, QUEENSLAND (3312.3)**  
**CAN YOU HELP US TO IMPROVE THIS PUBLICATION?**

The content of this publication has been arrived at following considerable consultation with users. The aims are to provide major aggregates as well as other statistics which are needed by the general community. Experience has shown that for users who need more detail, consultation with officers of the ABS to produce the detailed statistics is the best approach. For details on how to obtain such data, refer to paragraphs 32 and 33 on page 21 of the accompanying publication.

Significant features of this new publication are:

- \* combination of much of the data previously shown in the *Deaths* and the *Causes of Death* publications
- \* new table giving deaths (numbers and rates) for **local government areas**
- \* new tables which focus on the **six leading causes** of death; heart disease, cancer, cerebrovascular disease, respiratory system diseases, motor vehicle traffic accidents and suicide
- \* identical tables for **other States** are also published, making State comparisons easier (contact Information Services, ABS, Brisbane (07-222 6351) or the ABS office in your State to obtain data for other States)

We hope the new publication meets your needs. However, we are keen to make any changes that will make it more useful to our subscribers. To help us do this, please fill in and send back to us the bottom part of this letter or just contact Keith Carter on (07) 222 6053 and tell him what you think about the publication.

---

**GENERAL ASSESSMENT OF QUEENSLAND DEATHS PUBLICATION**

This publication

- |  |                            |                |
|--|----------------------------|----------------|
|  | Meets my needs             | (tick one box) |
|  | Only partly meets my needs |                |
|  | Does not meet my needs     |                |

I would like you to make the following changes:

-----  
-----  
-----  
-----  
-----

My name is: \_\_\_\_\_ Phone No.: \_\_\_\_\_

TABLE II. DEATHS: CAUSE BY SEX AND AGE GROU<sup>P</sup>, QUEENSLAND, 1990—continued

Cause of death and ICD code (Classes and selected categories)	Sex	Age group (years)										85 and over	Total
		Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84			
All heart disease (393-398, 402, 404, 410-414, 415, 416, 420-429)	M	—	2	11	97	196	502	939	621	511	470	3,349	
	F	1	3	6	29	59	161	557	523	576	973	2,888	
Hypertensive disease (401-405)	M	—	—	—	—	1	7	24	9	6	13	60	
	F	—	—	—	—	2	5	15	11	17	26	76	
Acute myocardial infarction (410)	M	—	—	—	52	115	320	629	388	300	244	2,048	
	F	—	—	1	11	28	106	346	312	306	446	1,556	
Other ischaemic heart disease (411-414)	M	—	—	1	17	52	116	211	163	136	120	816	
	F	—	—	—	4	14	31	144	138	161	299	791	
Diseases of pulmonary circulation and other forms of heart disease (415-429)	M	—	1	9	28	27	59	89	61	72	97	443	
	F	1	3	5	12	13	20	55	62	94	207	472	
Cerebrovascular disease (incl. stroke) (430-438)	M	—	—	4	19	34	85	171	180	141	190	824	
	F	—	—	3	13	24	45	176	188	245	473	1,167	
Other diseases of circulatory system (390-392,440-459)	M	—	2	—	2	9	28	86	61	55	62	305	
	F	—	—	—	2	5	5	43	45	49	112	265	
Class VIII Diseases of the respiratory system (460-519)	M	9	7	2	15	30	98	274	182	156	136	909	
	F	7	2	8	15	20	50	131	70	61	150	514	
Pneumonia and influenza (480-487)	M	5	—	—	6	9	12	44	16	31	42	165	
	F	6	—	2	2	2	5	24	15	14	70	140	
Chronic obstructive pulmonary disease and allied conditions (490-496)	M	—	3	2	5	21	78	211	146	105	72	643	
	F	1	2	6	11	16	42	96	46	32	49	301	
Class IX Diseases of the digestive system (520-579)	M	1	—	1	19	34	57	105	46	44	47	354	
	F	—	—	—	12	13	19	68	50	64	101	327	
Ulcer of stomach and duodenum (531-533)	M	—	—	—	3	6	25	9	13	15	71		
	F	—	—	—	—	1	3	20	15	17	22	78	
Chronic liver disease and cirrhosis (571)	M	—	—	1	14	23	40	31	8	1	—	118	
	F	—	—	—	10	10	9	14	3	1	1	48	
Class X Diseases of the genitourinary system (580-629)	M	—	—	—	1	4	8	29	29	32	47	150	
	F	—	—	—	3	1	21	53	31	21	47	177	
Nephritis, nephrotic syndrome and nephrosis (580-589)	M	—	—	—	1	4	7	18	25	22	30	107	
	F	—	—	—	2	1	12	33	26	16	35	125	
Class XI Complications of pregnancy, childbirth and the puerperium (630-676)	F	—	—	—	1	—	—	—	—	—	—	1	
Class XII Diseases of the skin and subcutaneous tissue (680-709)	M	—	—	—	1	2	1	4	2	2	3	15	
	F	—	—	—	—	2	2	1	3	2	7	17	
Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)	M	—	—	—	1	2	5	9	8	8	6	39	
	F	—	1	1	4	2	9	11	7	12	23	70	

TABLE 11. DEATHS: CAUSE BY SEX AND AGE GROUP, QUEENSLAND, 1998—continued

Cause of death and ICD code (Classes and selected categories)		Sex	Age group (years)									Total	
			Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84		85 and over
Class XIV	Congenital anomalies (740-759)	M	40	7	5	2	2	1	1	1	—	—	59
		F	56	10	—	3	1	2	2	—	—	—	74
Class XV	Certain conditions originating in the perinatal period (760-779)	M	90	—	—	—	—	—	—	—	—	—	90
		F	46	—	1	—	—	—	—	—	—	—	47
Class XVI	Symptoms, signs and ill-defined conditions (780-799)	M	33	—	—	2	4	5	1	1	3	4	53
		F	25	—	—	1	2	1	1	—	1	12	43
Class XVII	Accidents, poisonings and violence (external causes) (E800-E999)	M	4	66	249	345	98	104	76	35	27	35	1,039
		F	9	33	56	91	47	40	44	36	25	48	429
	Motor vehicle traffic accidents (E810-E819)	M	1	28	103	84	19	21	21	11	7	3	298
		F	2	11	39	36	16	20	8	8	5	1	146
	Accidental drowning and submersion (E910)	M	—	15	5	19	3	3	1	1	—	—	48
		F	2	15	1	1	1	1	2	2	1	—	26
	Suicide (E950-E959)	M	—	1	85	131	42	41	23	7	5	6	341
		F	—	—	9	30	15	10	9	4	5	—	82
All causes		M	190	113	300	665	659	1,558	2,745	1,719	1,409	1,336	10,694
		F	155	55	93	344	382	773	1,758	1,298	1,384	2,385	8,627

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

Age group, cause of death and ICD code.	1990		Rate(a)		
	Number	Proportion(b)	1988	1989	1990
		%			
<b>Males</b>					
<i>Under 1 year</i>					
<b>All causes</b>	<b>190</b>	<b>100.0</b>	<b>9.0</b>	<b>8.1</b>	<b>8.2</b>
<i>Certain conditions originating in the perinatal period (760-779)</i>	90	47.4	3.9	3.4	3.9
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	33	17.4	1.4	1.1	1.4
<i>Symptoms, signs and ill-defined conditions (780-799)</i>	33	17.4	1.6	1.4	1.4
Sudden death, cause unknown (798)	33	17.4	1.6	1.4	1.4
<i>Congenital anomalies (740-759)</i>	40	21.1	2.4	2.3	1.7
<i>1-14 years</i>					
<b>All causes</b>	<b>113</b>	<b>100.0</b>	<b>38.3</b>	<b>34.9</b>	<b>36.1</b>
<i>Accidents, poisonings and violence (E800-E999)</i>	66	58.4	20.0	16.5	21.1
Motor vehicle traffic accidents (E810-E819)	28	24.8	6.5	4.2	8.9
Accidents caused by submersion, suffocation and foreign bodies (E910-E915)	19	16.8	6.9	5.8	6.1
<i>Malignant neoplasms (cancer) (140-208)</i>	20	17.7	5.9	5.2	6.4
<i>15-24 years</i>					
<b>All causes</b>	<b>300</b>	<b>100.0</b>	<b>128.6</b>	<b>123.7</b>	<b>119.4</b>
<i>Accidents, poisonings and violence (E800-E999)</i>	249	83.0	105.3	101.3	99.1
Motor vehicle traffic accidents (E810-E819)	103	34.3	51.3	50.8	41.0
Suicide (E950-E959)	85	28.3	27.7	26.0	33.8
<i>25-44 years</i>					
<b>All causes</b>	<b>665</b>	<b>100.0</b>	<b>159.6</b>	<b>156.7</b>	<b>145.7</b>
<i>Accidents, poisonings and violence (E800-E999)</i>	345	51.9	86.7	83.2	75.6
Suicide (E950-E959)	131	19.7	33.4	30.8	28.7
Motor vehicle traffic accidents (E810-E819)	84	12.6	27.8	22.9	18.4
<i>Diseases of the circulatory system (390-459)</i>	118	17.7	23.1	23.8	25.8
<i>Malignant neoplasms (cancer) (140-208)</i>	96	14.4	22.9	21.8	21.0
<i>45-54 years</i>					
<b>All causes</b>	<b>659</b>	<b>100.0</b>	<b>438.6</b>	<b>474.9</b>	<b>420.4</b>
<i>Diseases of the circulatory system (390-459)</i>	240	36.4	157.4	164.6	153.1
Acute myocardial infarction (410)	115	17.5	69.5	73.4	73.4
<i>Malignant neoplasms (cancer) (140-208)</i>	206	31.3	138.8	154.5	131.4
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	58	8.8	54.4	44.5	37.1
<i>Accidents, poisonings and violence (E800-E999)</i>	98	14.9	75.1	72.8	62.5
<i>55-64 years</i>					
<b>All causes</b>	<b>1,558</b>	<b>100.0</b>	<b>1,398.1</b>	<b>1,332.1</b>	<b>1,299.6</b>
<i>Diseases of the circulatory system (390-459)</i>	619	39.7	556.3	558.6	516.3
Acute myocardial infarction (410)	320	20.5	290.6	304.2	266.9
<i>Malignant neoplasms (cancer) (140-208)</i>	571	36.6	523.0	471.0	476.3
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	188	12.1	194.8	154.2	156.8
<i>65-74 years</i>					
<b>All causes</b>	<b>2,745</b>	<b>100.0</b>	<b>3,360.4</b>	<b>3,525.8</b>	<b>3,020.0</b>
<i>Diseases of the circulatory system (390-459)</i>	1,213	44.2	1,556.6	1,559.9	1,334.5
Acute myocardial infarction (410)	629	22.9	786.5	781.6	692.0
<i>Malignant neoplasms (cancer) (140-208)</i>	896	32.6	1,058.5	1,103.8	985.8
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	293	10.7	345.0	392.5	322.4
<i>75 years and over</i>					
<b>All causes</b>	<b>4,464</b>	<b>100.0</b>	<b>9,715.3</b>	<b>10,230.4</b>	<b>9,354.8</b>
<i>Diseases of the circulatory system (390-459)</i>	2,305	51.6	5,080.8	5,214.5	4,830.4
Acute myocardial infarction (410)	932	20.9	2,102.2	2,148.7	1,953.1
Cerebrovascular disease (incl. stroke) (430-438)	511	11.4	1,075.4	1,080.9	1,070.9
Other ischaemic heart disease (411-414)	419	9.4	982.9	1,004.5	878.1
<i>Malignant neoplasms (cancer) (140-208)</i>	979	21.9	2,035.1	2,142.2	2,051.6
<i>Diseases of the respiratory system (460-519)</i>	474	10.6	1,080.0	1,312.4	993.3
<b>Total all ages</b>					
<b>All causes</b>	<b>10,694</b>	<b>100.0</b>	<b>7,699.0</b>	<b>7,999.2</b>	<b>7,334.4</b>
<i>Diseases of the circulatory system (390-459)</i>	4,514	42.2	3,264.4	3,370.0	3,096.6
Acute myocardial infarction (410)	2,045	19.2	1,491.1	1,540.0	1,405.5
<i>Malignant neoplasms (cancer) (140-208)</i>	2,780	26.0	1,971.0	2,016.6	1,907.7
<i>Accidents, poisonings and violence (E800-E999)</i>	1,039	9.7	77.4	73.4	71.3
Motor vehicle and other accidents or adverse effects (E800-E949)	632	5.9	49.6	46.2	43.3
<i>Diseases of the respiratory system (460-519)</i>	909	8.5	66.3	80.6	62.3

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

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

Age group, cause of death and ICD code.	1990		Rate(a)		
	Number	Proportion(b) %	1988	1989	1990
Females					
<i>Under 1 year</i>					
All causes	155	100.0	7.7	8.9	7.1
<i>Certain conditions originating in the perinatal period (760-779)</i>	46	29.7	3.8	3.7	2.1
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	14	9.0	1.6	1.3	0.6
Disorders relating to short gestation and unspecified low birthweight (765)	16	10.3	1.5	1.4	0.7
Congenital anomalies (740-759)	56	36.1	2.2	2.6	2.6
Symptoms, signs and ill defined conditions (780-799)	25	16.1	0.9	1.4	1.1
Sudden death, cause unknown (798)	25	16.1	0.9	1.4	1.1
<i>1-14 years</i>					
All causes	55	100.0	33.2	24.6	18.6
<i>Accidents, poisonings and violence(E800-E999)</i>	33	60.0	14.9	10.9	11.2
Motor vehicle traffic accidents (E810-E819)	11	20.0	5.9	3.1	3.7
Malignant neoplasms (cancer) (140-208)	4	7.3	2.4	6.1	7.4
Congenital anomalies (740-759)	10	18.2	3.5	2.4	3.4
Diseases of the nervous system and sense organs (320-389)	2	3.6	2.8	1.7	0.7
<i>15-24 years</i>					
All causes	93	100.0	42.1	37.9	38.9
<i>Accidents, poisonings and violence(E800-E999)</i>	56	60.2	27.6	24.3	23.4
Motor vehicle traffic accidents (E810-E819)	39	41.9	18.8	14.9	16.3
Suicide (E950-E959)	9	9.7	2.6	3.8	3.8
Malignant neoplasms (cancer) (140-208)	7	7.5	3.1	4.3	2.9
<i>25-44 years</i>					
All causes	344	100.0	74.5	72.7	76.6
<i>Malignant neoplasms (cancer) (140-208)</i>	139	40.4	24.3	25.7	31.0
<i>Accidents, poisonings and violence(E800-E999)</i>	91	26.5	22.4	21.6	20.5
Motor vehicle traffic accidents (E810-E819)	36	10.5	8.6	6.7	8.0
Suicide (E950-E959)	30	8.7	9.5	8.0	6.7
Diseases of the circulatory system(390-459)	44	12.8	11.0	11.0	9.8
<i>45-54 years</i>					
All causes	382	100.0	280.7	271.9	258.4
<i>Malignant neoplasms (cancer) (140-208)</i>	179	46.9	145.3	132.4	121.1
Malignant neoplasms of breast (174)	55	14.4	43.4	44.4	37.2
Diseases of the circulatory system(390-459)	99	23.6	53.2	60.1	60.9
Acute myocardial infarction (410)	28	7.3	22.8	22.9	18.9
Accidents, poisonings and violence(E800-E999)	47	12.3	31.2	21.5	31.8
<i>55-64 years</i>					
All causes	773	100.0	682.3	693.9	652.2
<i>Malignant neoplasms (cancer) (140-208)</i>	358	46.3	290.2	291.5	302.1
Malignant neoplasms of breast (174)	74	9.6	55.3	53.7	62.4
Diseases of the circulatory system(390-459)	218	28.2	228.9	214.8	183.9
Acute myocardial infarction (410)	106	13.7	101.9	93.8	89.4
<i>65-74 years</i>					
All causes	1,758	100.0	1,693.2	1,889.2	1,732.0
<i>Diseases of the circulatory system(390-459)</i>	788	44.8	805.7	822.5	776.3
Acute myocardial infarction (410)	346	19.7	385.7	411.8	340.9
Cerebrovascular disease (430-438) (incl. stroke)	176	10.0	171.1	169.5	173.4
Malignant neoplasms (cancer) (140-208)	548	31.2	499.8	590.4	539.9
<i>75 year and over</i>					
All causes	5,067	100.0	6,998.7	7,443.1	6,731.5
<i>Diseases of the circulatory system(390-459)</i>	3,206	63.3	4,291.6	4,642.0	4,259.2
Acute myocardial infarction (410)	1,064	21.0	1,387.4	1,533.9	1,413.5
Cerebrovascular disease (430-438) (incl. stroke)	906	17.9	1,262.3	1,206.0	1,203.6
Other ischaemic heart disease (411-414)	598	11.8	782.7	907.3	794.4
Malignant neoplasms (cancer) (140-208)	692	13.7	971.0	971.2	919.3
<i>Total all ages</i>					
All causes	8,627	100.0	599.9	643.8	595.7
<i>Diseases of the circulatory system(390-459)</i>	4,359	50.5	298.8	322.6	301.0
Acute myocardial infarction (410)	1,556	18.0	107.4	117.9	107.4
Cerebrovascular disease (430-438) (incl. stroke)	1,167	13.5	81.4	81.3	80.6
Other ischaemic heart disease (411-414)	791	9.2	53.4	57.8	54.6
Malignant neoplasms (cancer) (140-208)	1,929	22.4	130.6	138.3	133.2
<i>Diseases of the respiratory system (460-519)</i>	514	6.0	39.1	44.9	35.5

(a) Deaths per 100,000 of the estimated mid-year population for each age group other than under one year; deaths per 1,000 live births for age under one 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									
1985	134	120	254	138	95	233	272	215	487
1986	133	119	252	112	77	189	245	196	441
1987	103	124	227	114	93	207	217	217	434
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
RATE(a)									
1985	6.4	6.1	6.2	6.6	4.9	5.8	13.0	10.9	12.0
1986	6.4	6.0	6.2	5.4	3.9	4.7	11.7	9.9	10.9
1987	5.1	6.5	5.7	5.6	4.9	5.3	10.6	11.3	11.0
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

(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	1990			1989			
	Fetal deaths	Neonatal deaths	Perinatal deaths	Males	Females	Persons	Perinatal deaths
<b>Main condition in fetus/infant</b>	<b>246</b>	<b>173</b>	<b>239</b>	<b>180</b>	<b>419</b>	<b>410</b>	
Slow fetal growth, fetal malnutrition and immaturity (764,765)	18	18	26	10	36	45	
Birth Trauma (767)	—	9	5	4	9	6	
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	77	38	60	55	115	131	
Fetal and neonatal haemorrhage (772)	4	7	9	2	11	15	
Haemolytic disease of fetus and newborn (773)	2	—	—	2	2	3	
Other conditions originating in the perinatal period (766,771,774-779)	106	24	80	50	130	93	
Congenital anomalies (740-759)	36	67	53	50	103	103	
All other causes (Remainder of 001-999)	3	10	6	7	13	14	
<b>Main condition in mother</b>	<b>246</b>	<b>173</b>	<b>239</b>	<b>180</b>	<b>419</b>	<b>410</b>	
Maternal conditions which may be unrelated to present pregnancy (760)	30	16	33	13	46	35	
Maternal complications of pregnancy (761)	16	49	40	25	65	56	
Complications of placenta, cord and membranes (762)	116	22	81	57	138	148	
Other complications of labour and delivery (763)	2	2	2	2	4	9	
No maternal condition reported	82	84	83	83	166	162	

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

Particulars	1990					1989
	Fetal deaths	Neonatal deaths	Perinatal deaths			Perinatal deaths
			Males	Females	Persons	
Age at Death(s)	—	173	105	68	173	189
Less than 1 hour	—	38	20	18	38	36
Less than 1 day	—	87	55	32	87	95
Less than 1 week	—	136	80	56	136	148
Weight at birth (grams)	246	173	239	180	419	410
500- 999	85	56	91	50	141	126
1,000-1,999	63	43	61	45	106	107
2,000-2,999	48	33	41	40	81	82
3,000 or more	48	41	46	43	89	90
Period of gestation (weeks)	246	173	239	180	419	410
Less than 28	65	57	83	39	122	112
28-36	97	53	85	65	150	140
37-41	74	60	66	68	134	140
42 or more	8	1	4	5	9	12
Age group of mother (years)	246	173	239	180	419	410
Less than 20	19	22	26	15	41	35
20-24	52	36	53	35	88	102
25-29	85	54	81	58	139	143
30-34	68	39	54	53	107	83
35-39	16	20	21	15	36	35
40 or more	6	2	4	4	8	7

(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, 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 Organisation's International Classification of Diseases (ICD).

## Year of occurrence and year of registration

8. 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

9. *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.

10. *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.

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

## Cause of death classifications used in this publication

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

13. For general deaths, particulars relate to the *underlying cause of death*, which the World Health Organisation (WHO) has defined as the disease or injury which initiated the train of morbid events leading directly to death. Accidental and violent deaths are classified according to the *external cause*, i.e. to the circumstances of the accident or violence which produced the fatal injury rather than to the nature of the injury. Deaths of infants aged less than 1 month are classified according to the *main condition* in the infant which contributed to the death.

14. 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.

15. The extensive nature of the ICD enables classification of causes of death at fine levels of detail. Only abridged

## EXPLANATORY NOTES—continued

classifications have been used in this publication in order to present an overview of causes of death.

16. All the cause of death tables in this publication show the ICD codes which constitute the causes of death shown, hence the relationships between the various classifications used can be readily ascertained.

#### Australian Standard Geographical Classification

17. The Australian Standard Geographical Classification (ASGC), Edition 8, is used for Tables 7 and 9.

18. *Legal local government areas* (LGAs), as defined under the *Local Government Act 1936-1990*, are spatial units which represent the geographical areas of incorporated local government councils, such as cities (C), towns (T) and shires (S).

19. *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.

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

21. *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 Shire of Redland and parts of the Shires of Albert, Beaudesert, Caboolture, Moreton and Pine Rivers.

22. *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

23. 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.

24. *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.

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

#### Standardised death rates

26. The standardised death rates shown in Table 8 for Queensland and Australia have been calculated using the direct method and the 1986 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

27. 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.

28. 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

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

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

*Hospital Morbidity* (4303.3) - Latest issue: 1989  
(\$12.00)

*Health and Welfare Establishments* (4302.3) - Latest issue: 1989-90 (\$13.50)

## EXPLANATORY NOTES—continued

*Employment Injuries* (6301.3) - Latest issue: 1987-88 (\$11.50)

*Births* (3306.3) - Final issue: 1989 (\$4.00)

*Demographic Summary* (3308.3) - Final issue: 1989 (\$12.00)

*Demography: Small Area Summary* (3309.3) - Final issue: 1989 (\$12.00)

*Deaths* (3302.0) - Latest issue: 1990 (\$16.50)

*Causes of Death* (3303.0) - Latest issue: 1990 (\$16.50)

*Perinatal Deaths* (3304.0) - Latest issue: 1990 (\$14.50)

31. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (1101.0). The ABS also issues the *Publications Advice* (1105.0) on Tuesdays and Fridays which lists publications to be released in the next few days. Both the *Catalogue* and the *Publications Advice* are available from any ABS office.

## Unpublished statistics

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

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

## Symbols and other usages

p preliminary — figure or series subject to revision  
 r figure or series revised since previous issue  
 — nil or rounded to zero (including null cells)

34. 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

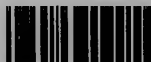
## Perinatal deaths (b)

- 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.

Deaths, Queensland, 1990

Catalogue No. 3312.3



2033123012900

ISSN 0816-0465

Recommended retail price: \$14.00