



**1993  
Causes of Death  
Australia**

**Catalogue No. 3303.0**

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**CAUSE OF DEATH, AUSTRALIA  
1993**

**IAN CASTLES  
Australian Statistician**

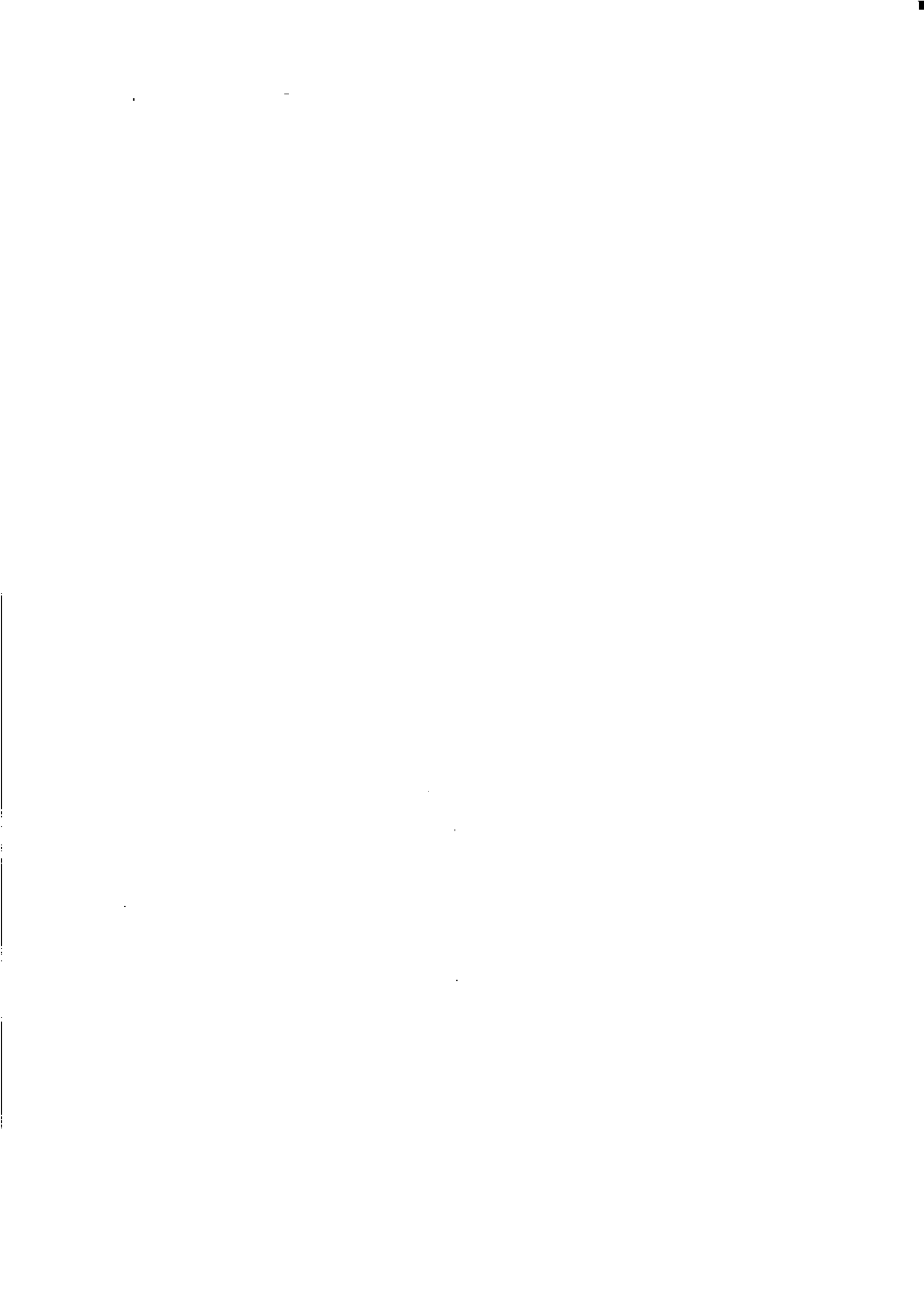
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### INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Peter Burke on Brisbane (07) 222 6069 or any ABS State office.
- for information about other ABS statistics and services please refer to the back page of this publication.



## SUMMARY OF FINDINGS

### LEADING CAUSES OF DEATH

#### General

In 1993, there were 121,594 deaths registered in Australia representing a crude death rate of 688 deaths per 100,000 of mean population, slightly lower than the rate of 707 in 1992. After standardising for age, the death rate in 1993 was 663, compared with a rate of 695 in 1992. Table A shows the 10 leading causes of death which together were responsible for nearly 80 per cent of Australian deaths registered in 1993.

The number of deaths from *malignant neoplasms* (cancers) in 1993 was 32,691 representing 26.9 per cent of all deaths. This is a small increase on the 32,033 deaths in 1992 (representing 25.9 per cent of all deaths in that year). The standardised death rate for *malignant neoplasms* in 1993 was 180 deaths per 100,000 of the population, almost identical to the rate of 181 deaths per 100,000 persons in 1992. Cancers were the leading cause of death for both males (18,479) and females (14,212) in 1993.

Deaths from *ischaemic heart disease* as a proportion of total deaths have fallen from 25.5 per cent (31,482 deaths) in 1992 to 24.5 per cent (29,759 deaths) in 1993. It continues to be the second leading cause of death in Australia.

There were 12,137 deaths from *cerebrovascular disease* (stroke) in 1993, representing 10.0 per cent of all deaths. The standardised death rate was 65 deaths per 100,000 persons in 1993, slightly lower than the 67 deaths per 100,000 of the population recorded in 1992.

Deaths from *chronic obstructive pulmonary disease and allied conditions* decreased slightly both in number and as a proportion of total deaths, from 6,782 (5.5 per cent of deaths) in 1992 to 6,338 (5.2 per cent of deaths) in 1993.

TABLE A. LEADING CAUSES OF DEATH: NUMBER, RATE AND PER CENT, AUSTRALIA, 1993

Cause of death and ICD code	Number of deaths	Death rates (a)		Per cent of total deaths
		Crude	Standardised	
All causes	121,594	688	663	100.0
Malignant neoplasms (cancer) (140-208)	32,691	185	180	26.9
Ischaemic heart disease (410-414)	29,759	168	162	24.5
Cerebrovascular disease (stroke) (430-438)	12,137	69	65	10.0
Chronic obstructive pulmonary disease and allied conditions (including asthma, emphysema and bronchitis) (490-496)	6,338	36	35	5.2
Accidents (E800-E949)	4,514	26	25	3.7
Motor vehicle traffic accidents (E810-E819)	1,956	11	11	1.6
Diseases of arteries, arterioles and capillaries (including atherosclerosis and aortic aneurysm) (440-448)	3,070	17	17	2.5
Diabetes mellitus (250)	2,568	15	14	2.1
Hereditary and degenerative diseases of the central nervous system (330-337)	2,104	12	11	1.7
Suicide (E950-E959)	2,081	12	12	1.7
Pneumonia and influenza (480-487)	1,663	9	9	1.4
All other causes	24,669	140	134	20.3

(a) Per 100,000 of the population. See paragraph 12 of the Explanatory Notes.

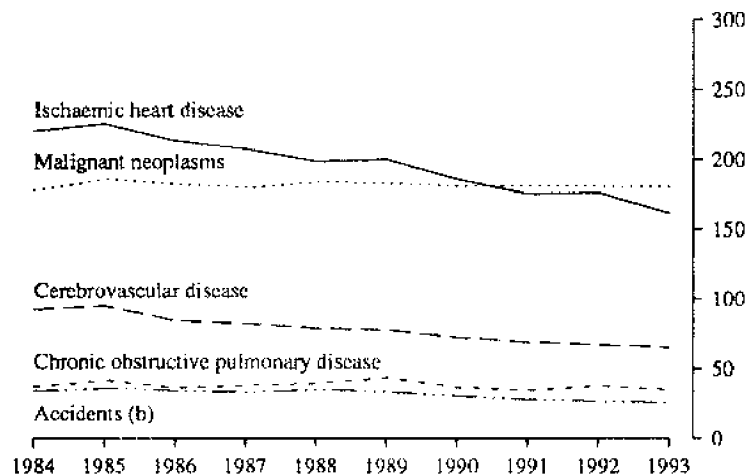
Deaths from *diabetes mellitus* increased by 163 from 2,405 in 1992 to 2,568 in 1993, and increased from 1.9 per cent of total deaths in 1992 to 2.1 percent of total deaths in 1993. The standardised death rate remained unchanged between 1992 and 1993 (14 deaths per 100,000 of the population).

Both *suicide* deaths and deaths from *motor vehicle traffic accidents* continued to decline in numbers. *Suicides* decreased from 2,294 deaths in 1992 to 2,081 in 1993, while deaths due to *motor vehicle traffic accidents* decreased from 2,066 to 1,956. The standardised death rate for these two causes of death were 12 and 11 deaths per 100,000 of the population respectively.

Deaths from *diseases of the arteries and related diseases* decreased slightly, whilst deaths from *hereditary and degenerative diseases of the central nervous system* increased slightly between 1992 and 1993. Deaths from *pneumonia and influenza* decreased significantly (from 2,008 to 1,663) between 1992 and 1993.

Diagram 1 illustrates the movement in the standardised death rate for the period 1984 to 1993 for each of the five leading causes of death shown in Table A.

DIAGRAM 1. STANDARDISED DEATH RATES (a): LEADING CAUSES OF DEATH, AUSTRALIA, 1984 TO 1993



(a) Per 100,000 of the population. See paragraph 12 of the Explanatory Notes.  
(b) Including adverse effects (ICD codes I:930-I:949).

### Malignant neoplasms (cancer)

For deaths from *malignant neoplasms*, the most common primary site of the *malignant neoplasms* was the *digestive organs and peritoneum* (which includes the colon, stomach and pancreas). The standardised death rate of 50 deaths per 100,000 of the population (9,040 deaths) for *malignant neoplasms of the digestive organs and peritoneum* in 1993 is similar to the rate of 51 deaths per 100,000 in 1992.

In males, *the lung (including trachea and bronchus)* was the most common primary site of *malignant neoplasms*, the cause of 4,552 deaths, representing a standardised rate of 57 deaths per 100,000 population, similar to the previous year's rate of 59 deaths per 100,000 of the population.

While the number of male deaths from *malignant neoplasms of the lung (including trachea and bronchus)* decreased slightly, there was an increase in this cause for females (1,828 deaths). This represents 19 deaths per 100,000 of the population in 1993, a slight increase from 1992 (1,734 deaths, and a standardised death rate of 18 deaths per 100,000 of the population).

Western Australia showed the most significant increase in female deaths attributed to *cancer of the lung*. The standardised death rate in this State increased from 19 to 22 deaths per 100,000 of the population between 1992 and 1993.



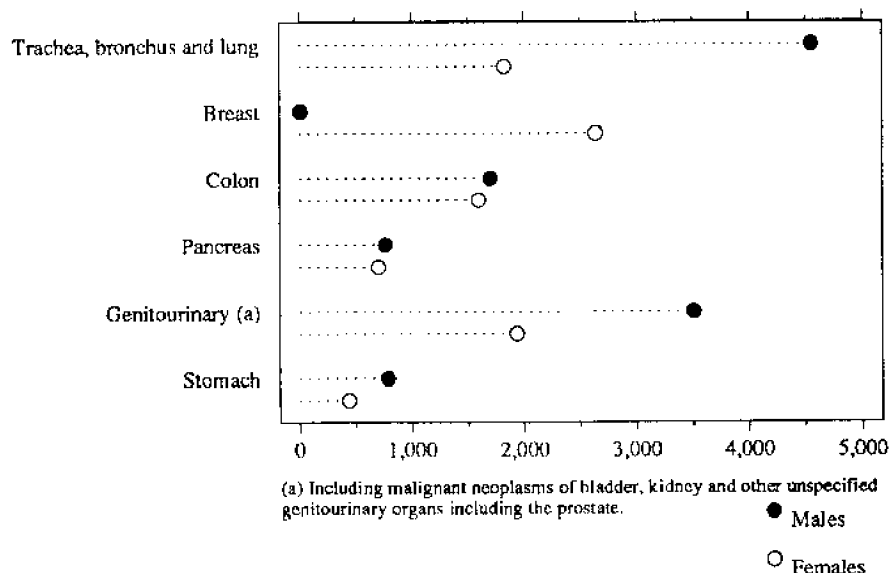
Male deaths due to *cancer of the prostate* rose slightly in 1993 (2,544 deaths) compared to 1992 (2,370 deaths). The standardised rate was 35 deaths compared to 34 deaths per 100,000 of the population a year earlier. Queensland and South Australia both showed significant increases in deaths due to *cancer of the prostate*, with the standardised rates rising from 34 to 36 and from 32 to 39 deaths per 100,000 of the population respectively between 1992 and 1993.

*The breast* remained the most common primary site of *malignant neoplasms* for females, accounting for 2,641 deaths in 1993. This represents a small increase in the standardised death rate from 25 to 27 deaths per 100,000 of the population between 1992 and 1993.

This increase was most evident in the age group 80 to 84 years, where the age-specific death rate increased from 144 to 166 deaths per 100,000 of the female population between 1992 and 1993. There was a similar increase in the 75 to 79 years age group from 113 to 131 deaths per 100,000 of the female population between the 2 years.

The standardised death rate for *malignant melanomas of the skin* remained unchanged at 5 deaths per 100,000 of population in both 1992 and 1993. This rate has changed little over the last 5 years.

DIAGRAM 2. DEATHS FROM MALIGNANT NEOPLASMS: MAIN SITES BY SEX, AUSTRALIA, 1993



#### Deaths due to ischaemic heart disease

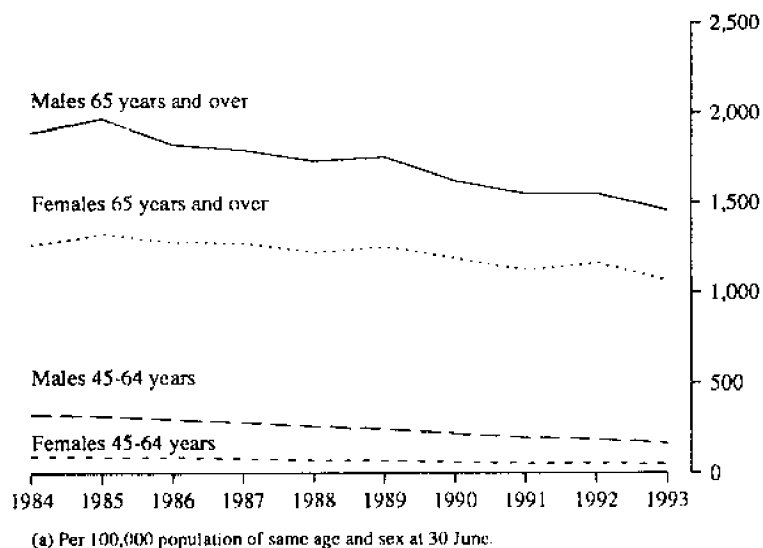
In 1993, *ischaemic heart disease* was the leading cause of death for people aged 45 years and over. The age-specific death rate for this age group dropped slightly from 571 to 525 between 1992 and 1993.

*Acute myocardial infarction*, which includes *coronary occlusion* and *thrombosis*, was the most common form of *ischaemic heart disease*, causing 18,668 deaths in 1993.

The standardised rate for male deaths in 1993 from *acute myocardial infarction* was 137 per 100,000 of the population while for females it was 74 per 100,000 of the population, a slight decline on the 1992 rates.

When considering all forms of *ischaemic heart disease* (including *acute myocardial infarction*) the standardised death rate for males decreased from 235 per 100,000 of the population in 1992 to 218 in 1993 and for females the standardised death rate decreased from 130 per 100,000 of the population in 1992 to 117 in 1993.

DIAGRAM 3. AGE-SPECIFIC DEATH RATES (a): ISCHAEMIC HEART DISEASE, SELECTED AGE GROUPS, AUSTRALIA, 1984 TO 1993

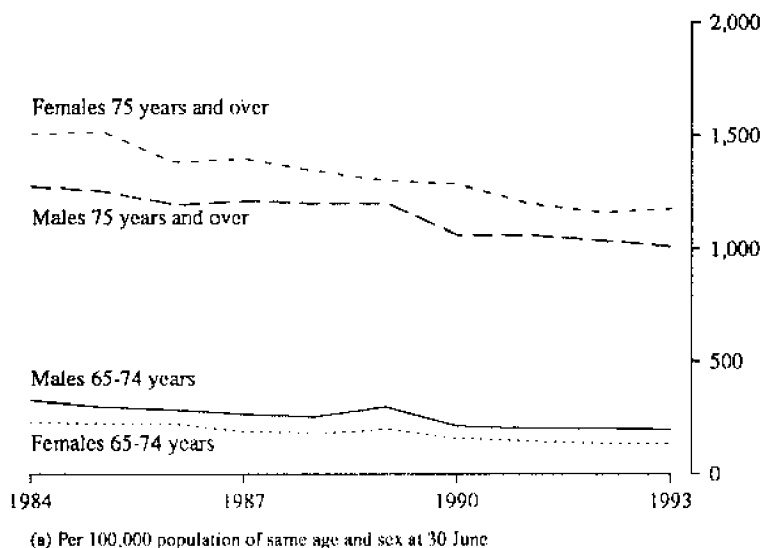


Between 1992 and 1993, there was an increase in the standardised death rate for *ischaemic heart disease* in Western Australia and the Northern Territory, while the remaining States and Territories had a decrease. Over the period 1984 to 1993, although the figures fluctuate from year to year, there has been a general downward trend in Australia in the standardised death rate for *ischaemic heart disease* from 220 deaths per 100,000 of the population in 1984 to 162 in 1993.

#### Cerebrovascular disease

In 1993, *cerebrovascular disease* (stroke) caused 4,818 male deaths and 7,319 female deaths and accounted for 10.0 per cent of all deaths registered. The standardised death rate for *cerebrovascular disease* dropped from 67 in 1992 to 65 deaths per 100,000 of the population in 1993.

DIAGRAM 4. AGE-SPECIFIC DEATH RATES (a): CEREBROVASCULAR DISEASE, SELECTED AGE GROUPS, AUSTRALIA, 1984 TO 1993



Of all deaths from *cerebrovascular disease*, 75.1 per cent were at ages 75 years and over. The *cerebrovascular disease* age-specific death rate for this age group remained constant at 1,115 deaths per 100,000 of the population.

### Chronic obstructive pulmonary disease and allied conditions

The standardised death rate for deaths from *chronic obstructive pulmonary disease and allied conditions* decreased from 38 deaths per 100,000 of the population in 1992 to 35 in 1993.

This group includes *asthma*, *emphysema* and *bronchitis*, in addition to other conditions, such as *chronic obstructive airways disease*. In 1993, there were 888 deaths attributed to *emphysema*, 777 to *asthma* and 363 to *bronchitis*, compared to 921, 759 and 422, respectively, in 1992.

The standardised death rate for *asthma*, *emphysema* and *bronchitis* (combined) was 11 deaths per 100,000 of the population in 1993, down from a rate of 12 in 1992.

### Deaths due to external causes

TABLE B. EXTERNAL CAUSES OF DEATH: NUMBER AND RATE, AUSTRALIA, 1993

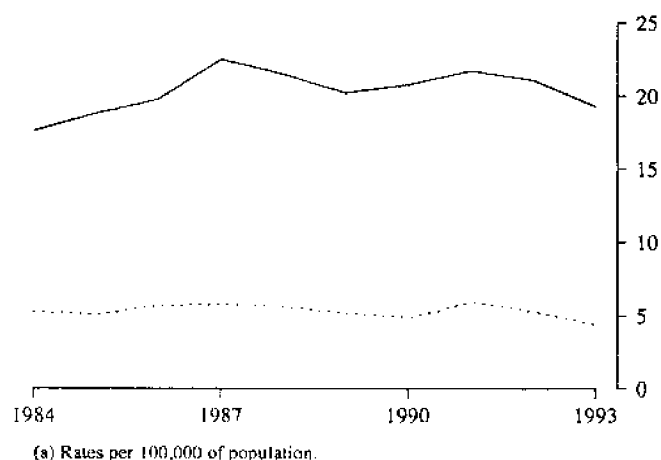
<i>Causes of death</i>	<i>Number of deaths</i>	<i>Crude death rate (a)</i>
Total external causes	7,020	40
Suicide	2,081	12
Motor vehicle traffic accidents	1,956	11
Accidental falls	856	5
Homicide	326	2
Accidental drowning and submersion (b)	288	2
Accidental poisoning by drug/medicaments	286	2
All other external causes	1,227	7

(a) Per 100,000 mean population. (b) Excluding drowning and submersion due to water transport accidents.

In 1993, there were 7,020 deaths registered due to external causes. As in 1992, *suicide* and *motor vehicle traffic accidents* were the main external causes. Table B (above) lists the leading external causes of death.

*Suicide* contributed 2,081 deaths (29.6 per cent of deaths due to external causes). The standardised death rate for *suicide* has remained relatively stable over recent years, at a rate of about 12 to 13 deaths per 100,000 of the population.

DIAGRAM 5. STANDARDISED DEATH RATES (a): SUICIDE BY SEX, AUSTRALIA, 1984 to 1993

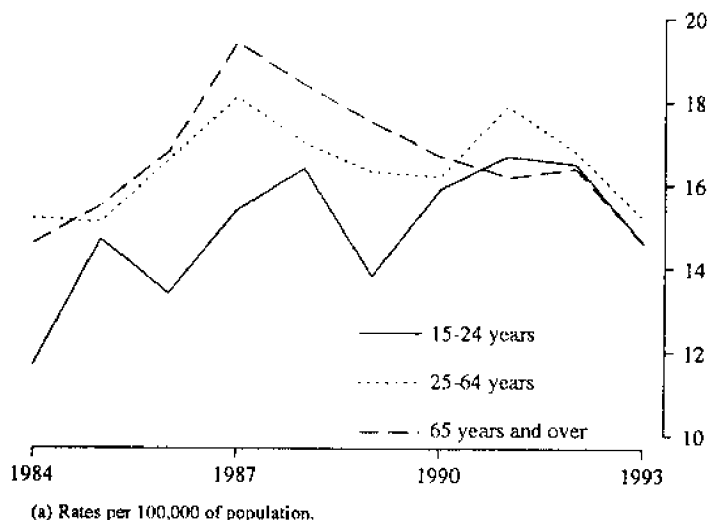


— Males  
 ..... Females

The standardised death rate for male *suicide* in 1993 was 19 deaths per 100,000 of the population and is a slight decrease from 1992. The standardised rate for females of 4 deaths per 100,000 of the population in 1993 is a slight decrease from the rate of 5 deaths per 100,000 of the population in 1992.

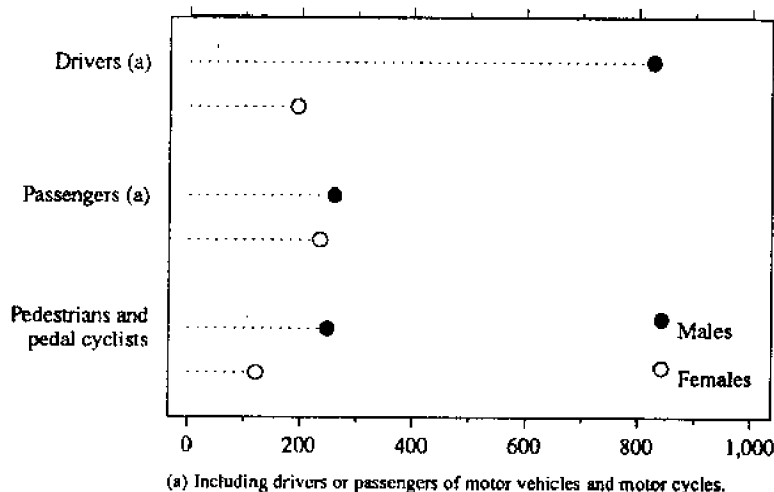
The age-specific death rate for *suicide* for males aged 25 to 44 years fell from 28 deaths per 100,000 males in this age group in 1992 to 25 in 1993.

**DIAGRAM 6. AGE-SPECIFIC DEATH RATES (a): SUICIDE BY SELECTED AGE GROUPS, AUSTRALIA, 1984 to 1993**



The highest rate of *suicide* deaths for any age/sex group was for males aged 75 years and over with an age-specific death rate of 31 deaths per 100,000.

**DIAGRAM 7. DEATHS FROM MOTOR VEHICLE TRAFFIC ACCIDENTS: TYPE OF TRAVELLER BY SEX AUSTRALIA, 1993**



*Motor vehicle traffic accidents* were responsible for 27.9 per cent (1,956) of *deaths due to external causes* in 1993.

The number of deaths of male drivers was considerably greater than the number of deaths of female drivers in 1993 (Diagram 7). However, the number of licences issued to males exceeds the number of licenses issued to females and the average number of kilometres travelled by males per year is higher than for females (see *ABS Survey of Motor Vehicle Use, Australia* ABS Catalogue No. 9208.0).

Males aged 15 to 24 years continued to be the main age/sex group contributing to deaths due to *motor vehicle traffic accidents*, accounting for nearly one quarter (463 deaths) out of the total of 1,956 deaths in 1993. The age-specific death rate of 33 deaths for every 100,000 males in the 15 to 24 years age group is a slight increase on the rate of 31 deaths in 1992.

The standardised death rate for other leading external causes of death (*accidental falls, homicide, accidental drowning and submersion, and accidental poisoning by drug/medicament*) were unchanged in 1993 compared with 1992.

### Acquired Immune Deficiency Syndrome (AIDS)

TABLE C. AIDS-RELATED DEATHS, BY SEX, AUSTRALIA, 1989 TO 1993

	Sex	1989	1990	1991 r	1992	1993
Directly attributed to AIDS	M	251	349	380	450	557
	F	5	7	15	14	23
	P	256	356	395	464	580
Condition mentioned on medical certificate	M	132	160	178	171	132
	F	4	3	9	8	6
	P	136	163	187	179	138
TOTAL	M	383	509	558	621	689
	F	9	10	24	22	29
	P	392	519	582	643	718

Deaths where AIDS was determined as the underlying cause are included in *Class III Endocrine, nutritional and metabolic diseases and immunity disorders*. Within this class, there were 718 AIDS-related deaths registered in Australia in 1993, including 580 deaths attributed to AIDS as the underlying cause and 138 where AIDS was a condition mentioned on the medical certificate of cause of death.

Table C shows that the vast majority of AIDS-related deaths are males. In 1993, males accounted for 96.0 per cent of AIDS deaths.

Table D indicates that over the last 5 years all States and Territories have recorded increases in the rate of AIDS-related deaths. In this time NSW has always had the highest incidence of deaths attributed to AIDS. Between 1992 and 1993 the Northern Territory had the largest increase in the rate of AIDS related deaths. While it is evident that there has been an overall increase in AIDS related deaths, there appears to have been some slowing in the rate of increase.

TABLE D. STANDARDISED DEATH RATES (a) OF AIDS-RELATED DEATHS, BY STATE OF USUAL RESIDENCE, PERSONS, 1989 TO 1993

Year	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aus.
1989	4.0	2.0	1.4	0.9	1.3	0.7	0.6	0.6	2.4
1990	5.4	2.2	1.8	1.5	1.6	0.4	0.6	2.6	3.1
1991	5.8	2.9	1.7	1.5	2.0	0.6	2.6	1.6	3.4
1992	5.8	3.5	1.9	2.0	2.1	1.1	1.7	2.4	3.7
1993	6.6	3.4	2.6	2.3	1.9	1.3	2.5	2.5	4.0

(a) Per 100,000 of the population. See paragraph 12 of the Explanatory Notes.

## AGE-RELATED CAUSES OF DEATH

Causes of death by age  
and sexTABLE E. CAUSES OF DEATH: PROPORTION OF ALL DEATHS IN EACH AGE GROUP,  
AUSTRALIA, 1993  
(Per cent)

	Age group (years)						
	1-14	15-24	25-44	45-54	55-64	65-74	75+
Malignant neoplasms	15	7	24	43	44	36	20
Ischaemic heart disease	(b)	(b)	7	17	23	27	28
Cerebrovascular disease	(b)	1	2	4	4	7	14
Chronic obstructive pulmonary disease	2	2	1	3	5	7	5
Accidents (a)	40	46	21	6	2	1	1
All other causes	42	44	45	27	21	21	32
Total	100	100	100	100	100	100	100

(a) Including adverse effects (ICD9 codes E930-E949).

(b) Less than 0.5

The importance of different causes of death varies by age and sex. Table E (above) shows that *accidents* were the leading cause in 1993 for the 1-14 years age group (40 per cent of deaths) and for the 15-24 years age group (46 per cent of deaths).

At ages 25 to 74 years *malignant neoplasms* were the leading cause of death, while *ischaemic heart disease* was the leading cause of death in the 75 years and over age group in 1993. These leading causes by age group have shown little variation from the previous year.

Table F (below) shows the ratio of male to female age-specific death rates for the five leading causes of death in 1993.

For deaths due to *malignant neoplasms* the male death rate equalled or exceeded the rate for females in all age groupings, with the exception of the 25-44 year age group. Males death rates due to *ischaemic heart disease* also exceeded the rates for females in most age groups (there were no male deaths recorded from this cause in the 1 to 14 years age group). In both the 25-44 years and the 45-54 years age groups, the male death rates were more than four times the female death rates from *ischaemic heart disease*.

Considerably higher rates for males were also recorded for deaths resulting from *accidents*, notably in the 45-54 year age group where the male death rate was over four times that for females.

TABLE F. MAIN CAUSES OF DEATH: RATIO OF MALE TO FEMALE AGE-SPECIFIC DEATH RATES, AUSTRALIA, 1993

	Age group (years)							Total
	1-14	15-24	25-44	45-54	55-64	65-74	75 and over	
Malignant neoplasms	1.0	0.8	0.9	1.0	1.5	1.8	1.9	1.3
Ischaemic heart disease	(b)	5.0	4.3	4.8	3.1	2.3	1.3	1.2
Cerebrovascular disease	(c)	0.3	1.5	1.1	1.6	1.5	0.9	0.7
Chronic obstructive pulmonary disease	1.3	2.0	0.5	1.3	1.6	1.9	2.9	1.7
Accidents (a)	1.9	3.6	3.6	4.3	2.3	1.5	1.1	2.2

(a) Including adverse effects (ICD9 codes E930-E949). (b) 0 male deaths, 1 female death. (c) 1 male death, 0 female deaths.

### Infant mortality (deaths at ages under one year)

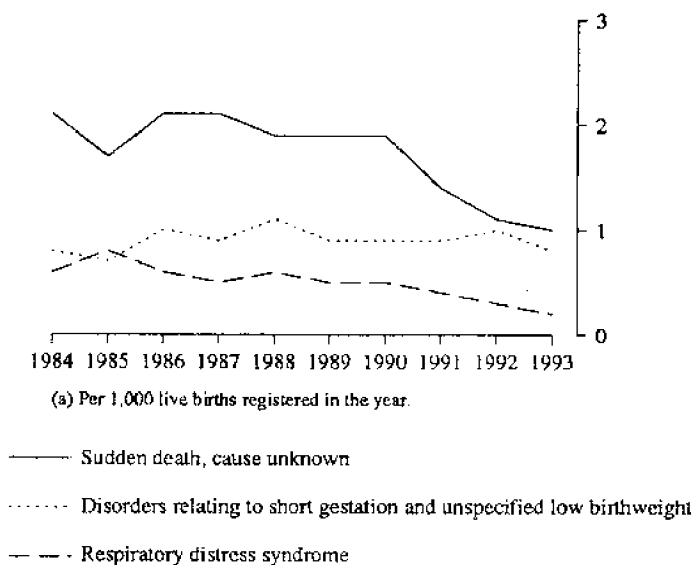
There were 1,591 infant deaths registered in Australia in 1993 compared with 1,843 deaths in 1992. The infant mortality rate of 6 deaths per 1,000 live births is a slight decrease on the rate of 7 deaths per 1,000 live births recorded in 1992.

In 1993, 687 deaths (43.2 per cent of infant deaths) were due to the group of conditions known as *certain conditions originating in the perinatal period* (i.e. prior to or within less than 28 days of birth). The two leading causes of death within this group in 1993 were *respiratory distress syndrome* and *disorders relating to short gestation and unspecified low birthweight*. There was a drop in deaths due to *respiratory distress syndrome* from 74 in 1992 to 62 in 1993. *Disorders relating to short gestation and unspecified low birthweight* resulted in 196 deaths in 1993, compared with 280 in 1992.

Among the leading causes of deaths in infants under one year of age in 1993, 254 deaths were due to *sudden death, cause unknown*. Deaths due to this cause were 14.2 per cent fewer than the 296 deaths registered in 1992.

The trend in infant mortality rates for the three leading causes of death over the ten years 1984 to 1993 is illustrated in diagram 8 below.

DIAGRAM 8. INFANT MORTALITY RATES (a): MAIN CAUSES OF DEATH, AUSTRALIA, 1984 TO 1993

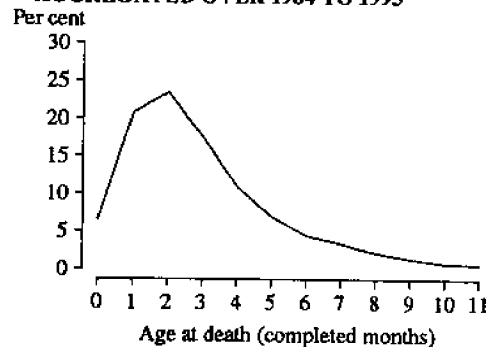


### Sudden Infant Death Syndrome (SIDS)

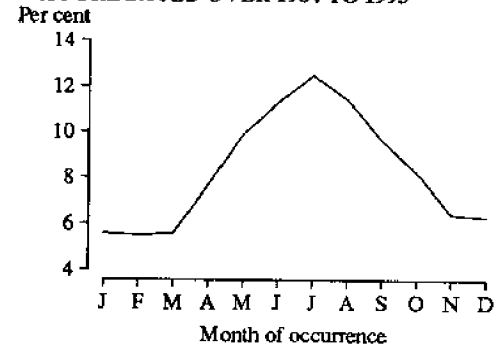
There were 266 SIDS deaths registered in 1993, a decrease of 42 deaths from the 308 deaths in 1992. The male to female SIDS ratio was 1.4:1 in 1993, compared with 1.5:1 in 1992.

In 1993 there were 252 SIDS deaths at ages under 1 year, accounting for 15.8 per cent of infant mortality. This compares with 294 deaths (16.0 per cent of infant mortality) in 1992.

**DIAGRAM 9. PROPORTION OF SIDS DEATHS OF CHILDREN UNDER 1 YEAR OF AGE, BY AGE AT DEATH, AUSTRALIA, AGGREGATED OVER 1984 TO 1993**



**DIAGRAM 10. PROPORTION OF SIDS DEATHS OF CHILDREN UNDER 1 YEAR OF AGE, BY MONTH OF OCCURRENCE, AUSTRALIA, AGGREGATED OVER 1984 TO 1993**



From Diagram 9 it is apparent that the highest proportion of infant deaths attributed to SIDS occurs within the first four months of life. The majority of deaths from SIDS (approximately 95 per cent) occur within the first 12 months of life. Diagram 10 reveals evidence of a seasonal pattern for SIDS when examining the month of occurrence. It indicates that deaths from SIDS peak in June and July and are at their lowest level in the months January through to March.

There has been a general downward trend in the infant mortality rate for SIDS from 2.16 in 1986 to 0.97 in 1993 (Table G).

**TABLE G. INFANT MORTALITY RATE FOR SIDS DEATHS UNDER 1 YEAR BY STATE OR TERRITORY OF USUAL RESIDENCE BY YEAR OF REGISTRATION, 1984 TO 1993**

Year	NSW	Vic.	Qld	Tas.	SA	WA	NT	ACT	Aus.
1984	2.30	2.65	1.41	1.94	2.54	3.65	1.25	0.73	2.12
1985	1.93	2.26	2.05	2.17	1.73	4.83	1.51	1.95	2.11
1986	2.40	1.98	1.61	2.28	2.27	3.45	1.21	2.44	2.16
1987	1.88	2.19	1.88	2.44	2.31	2.80	2.55	3.65	2.11
1988	2.09	1.80	1.26	1.62	2.15	2.66	3.49	3.00	1.90
1989	2.03	2.08	1.35	1.38	1.68	3.52	2.37	1.21	1.87
1990	2.04	1.55	1.29	2.01	2.37	3.98	1.69	2.47	1.87
1991	1.44	1.05	1.34	1.12	1.93	1.75	3.06	1.89	1.39
1992	1.12	0.94	1.06	1.35	1.08	1.43	2.67	1.35	1.11
1993	0.90	0.80	0.88	1.00	1.32	1.32	3.61	1.13	0.97

#### Years of potential life lost (YPLL)

YPLL measures the extent of 'premature' mortality, where 'premature' mortality is assumed to be any death between the ages of 1 and 76 years. As approximately half the deaths registered in any year relate to persons aged 76 years or more, diseases and conditions normally associated with old age are prominent as the identified leading causes of death. By estimating YPLL for deaths of people aged 1 to 75 years it is possible to assess the significance of specific diseases or trauma as a cause of premature death. Table H on the next page presents YPLL for the leading causes of death based on the proposition that death occurring at ages 1 to 75 years are considered untimely (see Appendix B).

More than 900,000 years of potential life were lost as the result of deaths at ages from 1 to 75 years in 1993. The YPLL rate per 100,000 of the population aged 1 to 75 years was 5,454 years in 1993 compared with 5,632 years in 1992 and 5,734 years in 1991.

Deaths due to *malignant neoplasms* were responsible for 30.9 per cent of the total estimated YPLL in 1993, while *accidents* and *ischaemic heart disease* were responsible for 15.9 and 13.7 per cent, respectively, of total estimated YPLL.



TABLE H. DEATHS OF PERSONS AGED 1 TO 75 YEARS: LEADING CAUSES OF DEATH BY YEARS OF POTENTIAL LIFE LOST (a) AUSTRALIA, 1993

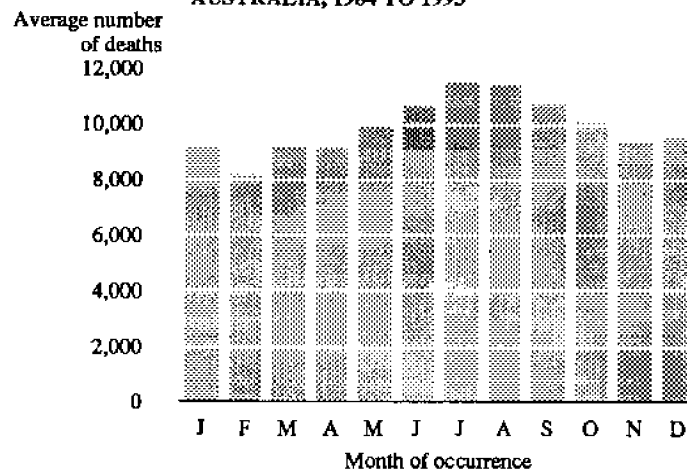
Cause of death and ICD code	Years of potential life lost	Rate (b)
All causes	908,926	5,454
Malignant neoplasms (cancer) (140-208)	280,615	1,684
Accidents (E800-E949)	144,080	865
Motor vehicle traffic accidents (E810-E819)	77,152	463
Ischaemic heart disease (410-414)	124,370	746
Suicide (E950-E959)	70,978	426
Cerebrovascular disease (stroke) (430-438)	30,979	186
Chronic obstructive pulmonary disease and allied conditions (including asthma, emphysema and bronchitis) (490-496)	30,669	184
Chronic liver disease and cirrhosis (571)	15,826	95
Diabetes mellitus (250)	14,676	88
Diseases of arteries, arterioles and capillaries (including atherosclerosis and aortic aneurysm) (440-448)	8,366	50
Hereditary and degenerative diseases of the central nervous system (330-337)	7,672	46
Pneumonia and influenza (480-487)	7,510	45
Nephritis, nephrotic syndrome and nephrosis (580-589)	3,677	22
Senile and presenile organic psychotic conditions (290)	875	5

(a) Years of potential life lost standardised for age — see Technical Notes. (b) Number of years per 100,000 of the population aged to 75 years.

#### CAUSES OF DEATH BY MONTH OF OCCURRENCE

There is a definite seasonal pattern when *all causes of death* are examined by month of occurrence for the past 10 years. The average number of deaths due to *all causes* is highest in the months of July and August and lowest in February. This pattern is similar for some leading causes of death. *Ischaemic heart disease* for example, peaks in July with an average of 3,199 deaths and reaches a low of 2,091 in February.

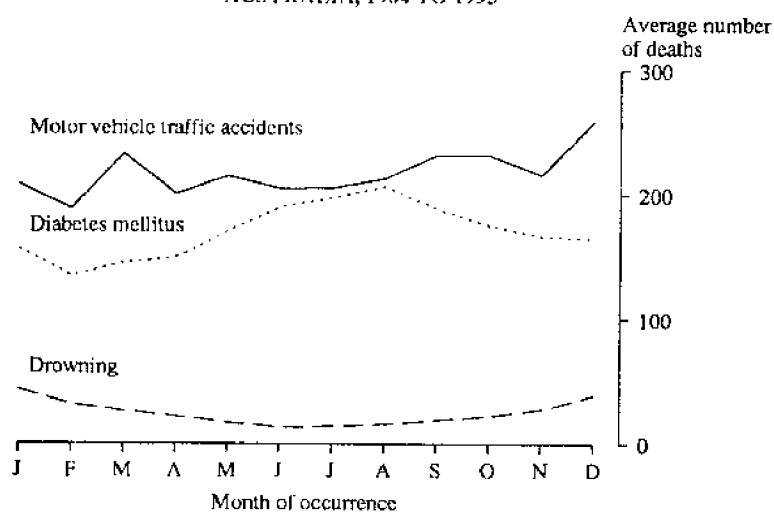
DIAGRAM 11. DEATHS DUE TO ALL CAUSES, 10 YEAR AGGREGATES: AVERAGE NUMBER OF DEATHS BY MONTH OF OCCURRENCE, AUSTRALIA, 1984 TO 1993



The seasonal pattern for some other leading causes of death is quite different to the pattern for *all causes of death* (see Diagram 12). For example, the greatest number of deaths due to *motor vehicle traffic accidents* occurs in December with an average of 259, followed by March with 233 and September and October with 232 each. The 10 year average indicates that deaths due to *motor vehicle traffic accidents* occur less often in February (189) and April (201).

The number of *deaths due to drowning* also differs markedly from the overall pattern in that the majority of deaths occur in the summer months. January (average of 43 deaths) and December (average of 39 deaths) had the highest number of deaths, whereas June had the lowest number of *drowning* deaths.

DIAGRAM 12. AVERAGE NUMBER OF DEATHS BY MONTH OF OCCURRENCE, 10 YEAR AGGREGATES: DEATHS DUE TO SELECTED CAUSES, AUSTRALIA, 1984 TO 1993



### Indigenous people

A table showing selected causes of deaths of indigenous people for South Australia, Western Australia and the Northern Territory has been included in this publication (see Table 15 and paragraph 16 of the Explanatory Notes).

The leading cause of death for indigenous people in these two States and Territory combined was *ischaemic heart disease* which accounted for 12.5 per cent of indigenous people deaths. Other leading causes were *malignant neoplasms* (10.7 per cent), *motor vehicle traffic accidents* (6.9 per cent) and *diabetes mellitus* (6.8 per cent).

The comparable percentages of all deaths for Australia were *ischaemic heart disease* 24.5 per cent, *malignant neoplasms* 26.9 per cent, *motor vehicle traffic accidents* 1.6 per cent and *diabetes mellitus* 2.1 per cent.

TABLE 1. DEATHS, RATE AND PROPORTION BY CAUSE AND SEX, AUSTRALIA, 1993

Cause of death (a) and ICD code	Number of deaths			Rate per 100,000 of mean population (b)			Proportion of total deaths (per cent)		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
All causes	65,085	56,509	121,594	740	637	688	100.0	100.0	100.0
<i>Infectious and parasitic diseases (001-139)</i>	502	431	933	6	5	5	0.8	0.8	0.8
Intestinal infectious diseases (001-009)	31	41	72	(c)	(c)	(c)	(d)	(d)	0.1
Tuberculosis (010-018)	40	17	57	(c)	(c)	(c)	0.1	(d)	(d)
Whooping cough (033)	—	—	—	—	—	—	—	—	—
Meningococcal infection (036)	14	12	26	(c)	(c)	(c)	(d)	(d)	(d)
Tetanus (037)	1	—	1	(c)	—	(c)	(d)	—	(d)
Septicaemia (038)	232	238	470	3	3	3	0.4	0.4	0.4
Smallpox (050)	—	—	—	—	—	—	—	—	—
Measles (055)	—	1	1	—	(c)	(c)	—	(d)	(d)
Malaria (084)	—	—	—	—	—	—	—	—	—
All other infectious and parasitic diseases (Remainder 001-139)	184	122	306	2	1	2	0.3	0.2	0.3
<i>Malignant neoplasms (140-208)</i>	18,479	14,212	32,691	210	160	185	28.4	25.1	26.9
Stomach (151)	791	447	1,238	9	5	7	1.2	0.8	1.0
Colon (153)	1,706	1,602	3,308	19	18	19	2.6	2.8	2.7
Rectum, rectosigmoid junction and anus (154)	653	477	1,130	7	5	6	1.0	0.8	0.9
Trachea, bronchus and lung (162)	4,552	1,828	6,380	52	21	36	7.0	3.2	5.2
Female breast (174)	—	2,641	2,641	—	30	15	—	4.7	2.2
Cervix uteri (180)	—	317	317	—	4	2	—	0.6	0.3
Leukaemia (204-208)	653	557	1,210	7	6	7	1.0	1.0	1.0
All other malignant neoplasms (Remainder 140-208)	10,124	6,343	16,467	115	72	93	15.6	11.2	13.5
Diabetes mellitus (250)	1,278	1,290	2,568	15	15	15	2.0	2.3	2.1
Nutritional marasmus (261)	2	4	6	(c)	(c)	(c)	(d)	(d)	(d)
Other protein-calorie malnutrition (262, 263)	33	27	60	(c)	(c)	(c)	0.1	(d)	(d)
Anaemias (280-285)	75	127	202	1	1	1	0.1	0.2	0.2
Meningitis (320-322)	25	28	53	(c)	(c)	(c)	(d)	(d)	(d)
<i>Diseases of the circulatory system (390-459)</i>	26,369	26,867	53,236	300	303	301	40.5	47.5	43.8
Acute rheumatic fever (390-392)	2	1	3	(c)	(c)	(c)	(d)	(d)	(d)
Chronic rheumatic heart disease (393-398)	114	248	362	1	3	2	0.2	0.4	0.3
Hypertensive disease (401-405)	427	710	1,137	5	8	6	0.7	1.3	0.9
Ischaemic heart disease (410-414)	16,335	13,424	29,759	186	151	168	25.1	23.8	24.5
Acute myocardial infarction (410)	10,297	8,371	18,668	117	94	106	15.8	14.8	15.4
Other ischaemic heart disease (411-414)	6,038	5,053	11,091	69	57	63	9.3	8.9	9.1
Cerebrovascular disease (430-438)	4,818	7,319	12,137	55	83	69	7.4	13.0	10.0
Atherosclerosis (440)	307	553	860	3	6	5	0.5	1.0	0.7
All other diseases of the circulatory system (415-429, 441-459)	4,366	4,612	8,978	50	52	51	6.7	8.2	7.4

TABLE 1. DEATHS: NUMBER, RATE AND PROPORTION BY CAUSE AND SEX, AUSTRALIA, 1993—continued

Cause of death (a) and ICD code	Number of deaths			Rate per 100,000 of mean population (b)			Proportion of total deaths (per cent)			
	Males		Females	Males		Females	Males		Females	Persons
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	
Pneumonia (480-486)	783	823	1,606	9	9	9	1.2	1.5	1.3	
Influenza (487)	25	32	57	(c)	(c)	(c)	(d)	0.1	(d)	
Bronchitis, emphysema and asthma (490-493)	1,126	902	2,028	13	10	11	1.7	1.6	1.7	
Ulcer of stomach and duodenum (531-533)	300	334	634	3	4	4	0.5	0.6	0.5	
Appendicitis (540-543)	11	8	19	(c)	(c)	(c)	(d)	(d)	(d)	
Chronic liver disease and cirrhosis (571)	723	266	989	8	3	6	1.1	0.5	0.8	
Nephritis, nephrotic syndrome and nephrosis (580-589)	657	795	1,452	7	9	8	1.0	1.4	1.2	
Hyperplasia of prostate (600)	41	—	41	(c)	—	(c)	0.1	—	(d)	
Abortion (630-639)	—	1	1	—	(c)	(c)	—	(d)	(d)	
Direct obstetric deaths (640-646, 651-676)	—	12	12	—	(c)	(c)	—	(d)	(d)	
Congenital anomalies (740-759)	397	342	739	5	4	4	0.6	0.6	0.6	
<i>Certain conditions originating in the perinatal period (760-779)</i>										
Birth trauma (767)	412	284	696	5	3	4	0.6	0.5	0.6	
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	24	20	44	(c)	(c)	(c)	(d)	(d)	(d)	
Other conditions originating in the perinatal period (760-766, 771-779)	159	92	251	2	1	1	1.2	0.2	0.2	
Signs, symptoms and ill-defined conditions (780-799)	229	172	401	3	2	2	0.4	0.3	0.3	
All other diseases (Remainder 001-799)	315	256	571	4	3	3	0.5	0.5	0.5	
	8,483	7,497	15,980	96	85	90	13.0	13.3	13.1	
<i>Accidents and adverse effects (E800-E949)</i>										
Motor vehicle traffic accidents (E810-E819)	3,081	1,433	4,514	35	16	26	4.7	2.5	3.7	
Accidental falls (E880-E888)	1,384	572	1,956	16	6	11	2.1	1.0	1.6	
All other accidents and adverse effects (Remainder E800-E949)	418	438	856	5	5	5	0.6	0.8	0.7	
	1,279	423	1,702	15	5	10	2.0	0.7	1.4	
Suicide (E950-E959)	1,687	394	2,081	19	4	12	2.6	0.7	1.7	
Homicide (E960-E969)	210	116	326	2	1	2	0.3	0.2	0.3	
All other external causes (E970-E999)	71	28	99	1	(c)	1	0.1	(d)	0.1	

(a) The classification utilises the Mortality List of 50 Causes recommended by the Ninth Revision (1975) of the International Classification of Diseases. (b) See paragraph 12 of Explanatory Notes. (c) Less than 0.5. (d) Less than 0.05.

TABLE 2. DEATHS: CAUSE BY SEX, STATE OR TERRITORY OF USUAL RESIDENCE, 1993

Cause of death and ICD code	Sex	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
All causes	M	22,925	16,389	11,058	6,015	5,632	1,965	469	632	65,085
	F	20,144	14,808	8,914	5,513	4,684	1,672	296	478	56,509
	P	43,069	31,197	19,972	11,528	10,316	3,637	765	1,110	121,594
Class I Infectious and parasitic diseases (001-139)	M	207	106	81	36	38	14	11	9	502
	F	154	103	66	45	40	14	4	5	431
Class II Neoplasms (140-239)	M	6,626	4,818	3,196	1,659	1,578	547	94	209	18,727
	F	5,018	3,966	2,248	1,354	1,263	391	67	142	14,449
Malignant neoplasms (140-208)	M	6,548	4,749	3,150	1,638	1,538	538	94	204	18,479
	F	4,932	3,900	2,214	1,329	1,245	386	65	141	14,212
Lip, oral cavity and pharynx (140-149)	M	159	114	93	34	43	13	6	4	466
	F	76	63	24	14	21	4	—	1	203
Stomach (151)	M	263	233	131	71	60	21	4	8	791
	F	151	126	73	45	38	11	1	2	447
Colon (153)	M	626	447	273	137	151	42	8	22	1,706
	F	580	466	231	135	123	41	6	20	1,602
Liver and intrahepatic bile ducts (155)	M	130	89	57	21	34	11	3	3	348
	F	54	41	16	16	11	3	1	—	142
Pancreas (157)	M	289	189	135	65	60	21	2	10	771
	F	285	179	103	66	59	9	2	2	705
Other digestive organs and peritoneum (150, 152, 154, 156, 158, 159)	M	475	369	246	157	111	60	9	18	1,445
	F	331	314	157	145	91	26	5	14	1,083
Respiratory and intrathoracic organs (160-165)	M	1,736	1,299	856	434	456	140	28	44	4,993
	F	634	526	300	138	196	58	13	20	1,905
Melanoma of skin (172)	M	230	117	115	35	59	10	5	4	575
	F	104	69	62	17	17	7	1	2	279
Breast (174, 175)	M	8	4	2	2	—	—	—	—	16
	F	902	727	421	264	215	65	12	35	2,641
Other bone, skin and connective tissue (170, 171, 173)	M	160	101	80	24	37	11	2	7	422
	F	82	77	43	20	22	8	3	2	257
Genitourinary organs (179-189)	M	1,231	870	610	357	286	106	9	42	3,511
	F	668	539	307	166	177	54	13	14	1,938
Other and unspecified sites (190-199)	M	611	431	261	154	138	55	13	19	1,682
	F	551	373	265	147	138	51	5	12	1,542
Lymphatic and haematopoietic tissue (200-208)	M	630	486	291	147	123	48	5	23	1,753
	F	494	400	212	156	137	49	3	17	1,468
Benign and unspecified neoplasms (210-239)	M	78	69	46	21	20	9	—	5	248
	F	86	66	34	25	18	5	2	1	237

TABLE 2. DEATHS: CAUSE BY SEX, STATE OR TERRITORY OF USUAL RESIDENCE, 1993—continued

Cause of death and ICD code	Sex	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.	
Class III Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	798	685	282	181	156	57	20	18	2,197	
	F	502	579	247	158	152	32	16	9	1,695	
	M	354	466	166	118	110	44	13	7	1,278	
	F	359	453	189	120	126	23	13	7	1,290	
Class IV Diseases of blood and blood-forming organs (280-289)	M	63	39	27	17	12	6	3	1	168	
	F	82	73	39	13	10	5	3	1	226	
	M	374	269	132	118	78	24	4	2	1,001	
Class V Mental disorders (290-319)	F	448	431	178	138	112	23	5	8	1,343	
	M	477	385	226	107	148	29	10	14	1,396	
Class VI Diseases of the nervous system and sense organs (320-389)	F	495	386	160	152	151	35	6	13	1,398	
	M	9,457	6,457	4,501	2,581	2,246	794	104	229	26,369	
	F	9,896	6,772	4,269	2,702	2,111	827	79	211	26,867	
	M	6,991	4,874	3,367	1,865	1,661	570	85	176	19,589	
Class VII Diseases of the circulatory system (390-459) All heart disease (393-398, 402, 404, 410-414, 415, 416, 420-429) Rheumatic fever and rheumatic heart disease (390-398) Hypertensive disease (401-405) Acute myocardial infarction (410) Other ischaemic heart disease (411-414) Diseases of pulmonary circulation and other forms of heart disease (415-429) Cerebrovascular disease (430-438) Other diseases of circulatory system (440-459)	F	6,524	4,419	2,809	1,768	1,411	530	54	148	17,663	
	M	31	33	21	7	13	5	3	3	116	
	F	90	75	27	26	16	7	7	4	4	249
	M	185	99	60	40	25	12	12	3	3	427
	F	287	167	99	58	54	30	30	8	7	710
	M	3,626	2,473	1,909	1,050	839	289	289	33	78	10,297
	F	3,076	2,055	1,395	888	654	232	232	16	55	8,371
	M	2,136	1,563	1,023	519	545	166	166	30	56	6,038
	F	1,874	1,239	842	461	456	134	134	12	35	5,053
	M	1,092	754	388	267	251	104	104	17	39	2,912
	F	1,304	959	491	362	250	147	147	18	50	3,581
	Class VIII Diseases of the respiratory system (460-519) Pneumonia and influenza (480-487) Chronic obstructive pulmonary disease and allied conditions (490-496)	M	1,748	1,119	812	507	427	157	13	35	4,818
F		2,710	1,863	1,159	751	546	230	16	44	7,319	
M		639	416	288	191	146	61	61	5	15	1,761
F		555	414	256	156	135	47	47	5	16	1,584
M		1,805	1,420	940	508	498	193	193	52	52	5,468
F		1,326	981	583	372	303	135	135	41	36	3,777
M		217	202	150	90	94	35	35	15	5	808
F		209	233	162	124	77	36	36	5	9	855
M		1,360	1,056	664	356	330	134	134	34	40	3,974
F		891	631	335	188	188	83	83	27	21	2,364

TABLE 2. DEATHS: CAUSE BY SEX, STATE OR TERRITORY OF USUAL RESIDENCE, 1993—continued

Cause of death and ICD code	Sex	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Class IX Diseases of the digestive system (520-579)	M	715	465	332	184	158	51	19	14	1,938
	F	665	465	307	153	153	61	10	7	1,821
	M	113	68	48	24	28	16	1	2	300
Ulcer of stomach and duodenum (531-533)	F	126	85	42	36	31	12	2	—	334
	M	283	177	119	55	58	13	12	6	723
Chronic liver disease and cirrhosis (571)	F	102	63	51	22	18	3	4	3	266
	M	297	239	131	72	79	29	4	4	855
Class X Diseases of the genitourinary system (580-629)	F	401	250	194	105	67	36	8	8	1,069
	M	239	191	93	48	55	26	2	3	657
Nephritis, nephrotic syndrome and nephrosis (580-589)	F	302	186	142	79	47	27	6	6	795
	F	7	2	4	1	1	—	—	—	15
Class XI Complications of pregnancy, childbirth and the puerperium (630-676)	M	31	16	9	6	4	1	1	—	68
	F	40	18	21	6	17	1	2	2	107
Class XII Diseases of the skin and subcutaneous tissue (680-709)	M	85	65	29	15	20	7	1	1	223
	F	168	112	85	39	38	15	—	1	458
Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)	M	141	99	73	29	33	6	7	9	397
	F	114	94	60	23	28	14	7	2	342
Class XIV Congenital anomalies (740-759)	M	138	100	87	24	32	13	14	4	412
	F	104	56	72	17	21	3	9	2	284
Class XV Certain conditions originating in the perinatal period (760-779)	M	91	54	39	30	29	33	22	17	315
	F	73	62	37	28	18	16	10	12	256
Class XVI Symptoms, signs and ill-defined conditions (780-799)	M	1,620	1,172	973	448	523	161	103	49	5,049
	F	651	458	344	207	199	64	29	19	1,971
Class XVII Accidents, poisonings and violence (external causes) (E800-E999)	M	394	319	283	147	157	42	34	8	1,384
	F	166	143	117	62	56	18	7	3	572
Motor vehicle traffic accidents (E810-E819)	M	155	105	77	34	28	10	7	2	418
	F	163	107	83	33	35	13	1	3	438
Accidental falls (E880-E888)	M	69	57	41	23	19	7	7	3	226
	F	21	14	11	5	6	1	3	1	62
Accidental drowning and submersion (R910)	M	567	403	305	132	173	67	17	23	1,687
	F	136	94	62	34	43	16	5	4	394
Suicide (E950-E959)	M	435	288	267	112	146	35	38	13	1,334
	F	165	100	71	73	59	16	13	8	505
Other external causes (Remainder of E800-E999)	M	435	288	267	112	146	35	38	13	1,334
	F	165	100	71	73	59	16	13	8	505

TABLE 3. DEATHS: CAUSE BY SEX AND AGE GROUP, AUSTRALIA, 1993

Cause of death and ICD code	Sex	Age group (years)							75 and over	Total (a)
		Under 1 year	1-14	15-24	25-44	45-54	55-64	65-74		
<b>All causes</b>										
Class I Infectious and parasitic diseases (001-139)	M	918	496	1,374	4,130	3,906	8,298	17,349	28,608	65,085
	F	673	345	502	1,904	2,195	4,505	10,644	35,741	56,509
Class II Neoplasms (140-239)	P	1,591	841	1,876	6,034	6,101	12,803	27,993	64,349	121,594
Malignant neoplasms (140-208)	M	15	20	6	47	31	41	110	232	502
	F	8	8	6	17	17	26	69	280	431
	M	8	67	64	676	1,350	3,417	6,241	6,903	18,727
	F	7	65	74	776	1,277	2,312	3,992	5,946	14,449
	M	4	65	61	667	1,340	3,399	6,182	6,760	18,479
	F	5	63	70	769	1,272	2,291	3,952	5,790	14,212
Lip, oral cavity and pharynx (140-149)	M	—	—	—	16	72	163	151	64	466
	F	—	1	1	9	14	40	59	79	203
Stomach (151)	M	—	—	—	24	49	143	252	323	791
	F	—	—	—	24	24	53	112	234	447
Colon (153)	M	—	—	—	45	136	338	547	640	1,706
	F	—	—	4	48	114	254	423	759	1,602
Liver and intrahepatic bile ducts (155)	M	—	2	—	12	45	74	141	74	348
	F	—	—	—	8	12	17	46	59	142
Pancreas (157)	M	—	—	—	18	56	163	297	237	771
	F	—	—	—	17	31	96	231	330	705
Other digestive organs and peritoneum (150, 152, 154, 156, 158, 159)	M	—	—	1	33	120	323	494	474	1,445
	F	1	—	1	22	57	144	317	541	1,083
Respiratory and intrathoracic organs (160-165)	M	—	—	1	80	342	1,119	1,935	1,516	4,993
	F	—	1	—	45	172	359	694	634	1,905
Melanoma of skin (172)	M	—	—	9	86	73	121	147	139	575
	F	—	—	1	31	33	39	66	109	279
Breast (174, 175)	M	—	—	—	—	1	—	8	7	16
	F	—	1	—	235	436	539	591	839	2,641
Other bone, skin and connective tissue (170, 171, 173)	M	—	4	12	53	25	67	105	156	422
	F	—	6	17	28	15	34	46	111	257
Genitourinary organs (179-189)	M	—	3	2	30	73	328	1,061	2,013	3,511
	F	—	3	7	112	166	296	603	751	1,938
Other and unspecified sites (190-199)	M	2	29	5	120	186	307	537	496	1,682
	F	1	21	10	94	104	226	393	693	1,542
Lymphatic and haematopoietic tissue (200-208)	M	2	27	31	150	162	253	507	621	1,753
	F	3	30	29	96	94	194	371	651	1,468
Benign and unspecified neoplasms (210-239)	M	4	2	3	9	10	18	59	143	248
	F	2	2	4	7	5	21	40	156	237



TABLE 3. DEATHS: CAUSE BY SEX AND AGE GROUP, AUSTRALIA, 1993 —continued

Cause of death and ICD code	Sex	Under 1 year	Age group (years)							75 and over	Total (a)
			1-14	15-24	25-44	45-54	55-64	65-74			
Class III Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	11	19	30	462	198	285	473	719	2,197	
	F	10	21	25	58	68	154	387	972	1,695	
Diabetes mellitus (250)	M	—	—	7	51	63	186	387	584	1,278	
	F	—	—	2	23	49	123	312	781	1,290	
Class IV Diseases of blood and blood-forming organs (280-289)	M	—	3	4	8	5	16	36	96	168	
	F	1	1	2	10	8	12	33	159	226	
Class V Mental disorders (290-319)	M	—	—	44	198	54	49	117	539	1,001	
	F	—	4	18	55	13	26	91	1,136	1,343	
Class VI Diseases of the nervous system and sense organs (320-389)	M	22	46	49	94	53	109	278	745	1,396	
	F	13	34	25	61	51	92	203	919	1,398	
Class VII Diseases of the circulatory system (390-459)	M	6	10	30	551	1,187	3,033	7,419	14,131	26,369	
	F	5	14	24	225	385	1,157	4,142	20,915	26,867	
All heart disease (393-398, 402, 404, 410-414, 415, 420-429)	M	5	7	25	452	1,001	2,534	5,675	9,888	19,589	
	F	5	14	14	147	245	850	2,972	13,416	17,663	
Rheumatic fever and rheumatic heart disease (390-398)	M	—	1	2	5	7	17	37	47	116	
	F	—	1	1	10	13	32	72	120	249	
Hypertensive disease (401-405)	M	—	—	—	6	17	42	124	238	427	
	F	—	—	6	6	13	36	97	558	710	
Acute myocardial infarction (410)	M	—	—	3	192	502	1,391	3,217	4,992	10,297	
	F	—	1	1	43	100	451	1,674	6,101	8,371	
Other ischaemic heart disease (411-414)	M	—	—	2	134	350	805	1,759	2,986	6,038	
	F	—	—	—	33	70	240	801	3,909	5,053	
Diseases of pulmonary circulation and other forms of heart disease (415-429)	M	5	7	18	119	132	296	606	1,729	2,912	
	F	5	12	13	58	56	115	379	2,943	3,581	
Cerebrovascular disease (430-438)	M	1	1	3	75	136	348	1,148	3,106	4,818	
	F	—	—	8	63	117	220	896	6,015	7,319	
Other diseases of circulatory system (440-459)	M	—	1	2	20	43	134	528	1,033	1,761	
	F	—	—	1	12	16	63	223	1,269	1,584	
Class VIII Diseases of the respiratory system (460-519)	M	22	14	25	84	148	523	1,578	3,074	5,468	
	F	10	14	27	74	99	304	921	2,328	3,777	
Pneumonia and influenza (480-487)	M	13	4	1	39	34	73	174	470	808	
	F	7	5	3	21	17	31	102	669	855	
Chronic obstructive pulmonary disease and allied conditions (490-496)	M	2	10	24	31	96	401	1,243	2,167	3,974	
	F	—	7	18	45	68	241	735	1,250	2,364	

TABLE 3. DEATHS: CAUSE BY SEX AND AGE GROUP, AUSTRALIA, 1993 —continued

Cause of death and ICD code	Sex	Under 1 year	Age group (years)						75 and over	Total (a)
			1-14	15-24	25-44	45-54	55-64	65-74		
Class IX Diseases of the digestive system (520-579) Ulcer of stomach and duodenum (531-533) Chronic liver disease and cirrhosis (571)	M	3	4	4	129	200	330	493	775	1,938
	F	2	4	63	69	154	311	311	1,210	1,821
	M	—	—	2	8	36	8	92	162	300
	F	—	—	3	5	16	3	46	264	334
	M	—	—	98	153	202	192	77	723	723
	F	—	—	34	39	67	75	46	266	266
Class X Diseases of the genitourinary system (580-629) Nephritis, nephrotic syndrome and nephrosis (580-589)	M	4	2	12	19	37	128	653	855	855
	F	—	—	14	23	70	148	812	1,069	1,069
Class XI Complications of pregnancy, childbirth and the puerperium (630-676)	M	2	—	10	14	26	89	516	657	657
	F	—	—	9	14	54	94	623	795	795
	F	—	—	14	—	—	—	—	—	15
Class XII Diseases of the skin and subcutaneous tissue (680-709)	M	—	1	1	3	3	19	41	68	68
	F	1	—	1	3	8	11	83	107	107
Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)	M	—	3	2	12	24	62	119	223	223
	F	—	2	15	12	29	99	301	458	458
Class XIV Congenital anomalies (740-759)	M	244	48	30	14	13	12	13	397	397
	F	213	46	15	7	11	15	16	342	342
Class XV Certain conditions originating in the perinatal period (760-779)	M	405	4	1	—	—	1	—	—	412
	F	282	1	1	—	—	—	—	—	284
Class XVI Symptoms, signs and ill-defined conditions (780-799)	M	150	13	21	29	18	18	43	315	315
	F	106	5	5	17	9	11	99	256	256
Class XVII Accidents, poisonings and violence (external causes) (E800-E999) Motor vehicle traffic accidents (E810-E819) Accidental falls (E880-E888) Accidental drowning and submerston (E910) Suicide (E950-E959) Other external causes (Remainder of E800-E999)	M	28	245	1,069	1,806	400	364	525	5,049	5,049
	F	15	128	267	485	141	211	565	1,971	1,971
Motor vehicle traffic accidents (E810-E819)	M	3	73	463	463	72	73	102	1,384	1,384
	F	3	53	136	162	44	69	67	572	572
Accidental falls (E880-E888)	M	3	8	17	45	35	52	235	418	418
	F	1	1	2	8	14	36	371	438	438
Accidental drowning and submerston (E910)	M	3	52	41	68	13	18	5	226	226
	F	1	22	5	10	1	14	5	62	62
Suicide (E950-E959)	M	—	4	345	692	170	135	94	1,687	1,687
	F	—	1	55	158	37	39	33	394	394
Other external causes (Remainder of E800-E999)	M	19	108	203	538	110	86	89	1,334	1,334
	F	10	51	69	147	45	53	89	505	505

(a) Including age not stated.

TABLE 4. AGE-SPECIFIC DEATH RATES (a): CAUSE BY SEX, AUSTRALIA, 1993

Cause of death and ICD code	Sex	Age group (years)							Total	
		Under 1 year	1-14	15-24	25-44	45-54	55-64	65-74		75 and over
<b>All causes</b>	M	6.9	27	98	150	371	1,122	2,986	9,298	740
	F	5.3	20	37	69	218	615	1,614	7,001	637
	P	6.1	24	68	110	296	869	2,256	7,865	688
<b>Class I</b>	M	0.1	1	(b)	2	3	6	19	75	6
Infectious and parasitic diseases (001-139)	F	0.1	(b)	(b)	1	2	4	10	55	5
<b>Class II</b>	M	(b)	4	5	25	128	462	1,074	2,243	213
Neoplasms (140-239)	F	(b)	4	6	28	127	315	605	1,165	163
Malignant neoplasms (140-208)	M	(b)	4	4	24	127	460	1,064	2,197	210
Lip, oral cavity and pharynx (140-149)	F	(b)	4	5	28	126	313	599	1,134	160
Stomach (151)	M	—	—	—	1	7	22	26	21	5
	F	—	(b)	(b)	(b)	1	5	9	15	2
Colon (153)	M	—	—	—	1	5	19	43	105	9
	F	—	—	—	1	2	7	17	46	5
Liver and intrahepatic bile ducts (155)	M	—	—	(b)	2	13	46	94	208	19
	F	—	—	(b)	2	11	15	64	149	18
Pancreas (157)	M	—	(b)	—	(b)	4	0	24	24	4
	F	—	—	—	(b)	1	2	7	12	2
Other digestive organs and peritoneum (150, 152, 154, 156, 158, 159)	M	—	—	—	1	5	22	51	77	9
	F	—	—	—	1	3	13	35	65	8
Respiratory and intrathoracic organs (160-165)	M	—	—	(b)	3	32	151	333	493	57
	F	—	(b)	—	2	17	49	105	124	21
Melanoma of skin (172)	M	—	—	1	3	7	16	25	45	7
	F	—	—	(b)	1	3	5	10	21	3
Breast (174, 175)	M	—	—	—	—	(b)	—	1	2	(b)
	F	—	(b)	—	9	43	74	90	164	30
Other bone, skin and connective tissue (170, 171, 173)	M	—	(b)	1	2	2	9	18	51	5
	F	—	(b)	1	1	1	5	7	22	3
Genitourinary organs (179-189)	M	—	(b)	(b)	1	7	44	183	654	40
	F	—	(b)	1	4	16	40	91	147	22
Other and unspecified sites (190-199)	M	(b)	2	(b)	4	18	42	92	163	19
	F	—	1	1	3	10	31	60	136	17
Lymphatic and haematopoietic tissue (200-208)	M	(b)	1	2	5	15	34	87	202	20
	F	(b)	2	2	4	9	26	56	128	17
Benign and unspecified neoplasms (210-239)	M	(b)	(b)	(b)	(b)	1	2	10	46	3
	F	(b)	(b)	(b)	(b)	(b)	3	6	31	3

TABLE 4. AGE-SPECIFIC DEATH RATES (a): CAUSE BY SEX, AUSTRALIA, 1993 ---continued

Cause of death and ICD code	Sex	Age group (years)							Total	
		Under 1 year	1-14	15-24	25-44	45-54	55-64	65-74		75 and over
Class III Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	0.1	1	2	17	19	39	81	234	25
	F	0.1	1	2	2	7	21	59	190	19
Diabetes mellitus (250)	M	—	—	(b)	2	6	25	67	190	15
	F	(b)	—	(b)	1	5	17	47	153	15
Class IV Diseases of blood and blood-forming organs (280-289)	M	(b)	(b)	(b)	(b)	(b)	2	6	31	2
	F	(b)	(b)	(b)	(b)	1	2	5	31	3
Class V Mental disorders (290-319)	M	—	—	3	7	5	7	20	175	11
	F	—	(b)	1	2	1	4	14	223	15
Class VI Diseases of the nervous system and sense organs (320-389)	M	0.2	3	3	3	5	15	48	242	16
	F	0.1	2	2	2	5	13	31	180	16
Class VII Diseases of the circulatory system (390-459)	M	—	1	2	20	113	410	1,277	4,593	300
	F	(b)	1	2	8	38	158	628	4,097	303
All heart disease (393-398, 402, 404, 410-414, 415, 416, 420-429)	M	—	(b)	2	16	95	343	977	3,214	223
	F	(b)	1	1	5	24	116	451	2,628	199
Rheumatic fever and rheumatic heart disease (390-398)	M	—	(b)	(b)	(b)	1	2	6	15	1
Hypertensive disease (401-405)	F	—	(b)	(b)	(b)	1	4	11	24	3
	M	—	—	—	(b)	2	6	21	77	5
Acute myocardial infarction (410)	F	—	—	—	(b)	1	5	15	109	8
	M	—	—	(b)	7	48	188	554	1,622	117
Other ischaemic heart disease (411-414)	F	—	(b)	(b)	2	10	62	254	1,195	94
	M	—	(b)	(b)	5	33	109	303	970	69
Diseases of pulmonary circulation and other forms of heart disease (415-429)	F	—	—	—	1	7	33	121	766	57
	M	—	(b)	1	4	13	40	104	562	33
Cerebrovascular disease (430-438)	F	(b)	1	1	2	6	16	57	576	40
	M	(b)	(b)	(b)	3	13	47	198	1,009	55
Other diseases of circulatory system (440-459)	F	(b)	—	1	2	12	30	136	1,178	83
	M	(b)	(b)	(b)	1	4	18	91	336	20
Class VIII Diseases of the respiratory system (460-519)	F	—	—	(b)	(b)	2	9	34	249	18
	M	0.2	1	2	3	14	71	272	999	62
Pneumonia and influenza (480-487)	F	0.1	1	2	3	10	41	140	456	43
	M	0.1	(b)	(b)	1	3	10	30	153	9
Chronic obstructive pulmonary disease and allied conditions (490-496)	F	0.1	(b)	(b)	1	2	4	15	131	10
	M	(b)	1	2	1	9	54	214	704	45
	F	—	(b)	1	2	7	33	111	245	27

TABLE 4. AGE-SPECIFIC DEATH RATES (a): CAUSE BY SEX, AUSTRALIA, 1993—continued

Cause of death and ICD code	Sex	Age group (years)								Total
		Under 1 year	1-14	15-24	25-44	45-54	55-64	65-74	75 and over	
Class IX Diseases of the digestive system (520-579)	M	(b)	(b)	(b)	5	19	45	85	22	
	F	(b)	(b)	1	2	7	21	47	21	
Ulcer of stomach and duodenum (531-533)	M	—	—	—	(b)	1	5	16	3	
	F	—	—	—	(b)	(b)	2	7	4	
Chronic liver disease and cirrhosis (571)	M	—	—	(b)	4	15	27	33	8	
	F	—	(b)	(b)	1	4	9	11	3	
Class X Diseases of the genitourinary system (580-629)	M	—	(b)	—	(b)	2	5	22	10	
	F	—	—	(b)	1	2	10	22	12	
Nephritis, nephrotic syndrome and nephrosis (580-589)	M	—	—	—	(b)	1	4	15	7	
	F	—	—	(b)	(b)	1	7	14	9	
Class XI Complications of pregnancy, childbirth and the puerperium (630-676)	M	—	—	(b)	1	—	—	—	(b)	
	F	—	—	—	—	—	—	—	—	
Class XII Diseases of the skin and subcutaneous tissue (680-709)	M	—	—	(b)	(b)	(b)	(b)	3	13	
	F	—	—	—	(b)	(b)	1	2	16	
Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)	M	—	(b)	(b)	(b)	1	3	11	3	
	F	—	—	(b)	1	1	4	15	5	
Class XIV Congenital anomalies (740-759)	M	1.8	3	2	1	1	2	2	4	
	F	1.7	3	1	1	1	2	2	3	
Class XV Certain conditions originating in the perinatal period (760-779)	M	3.0	(b)	(b)	(b)	—	—	(b)	5	
	F	2.2	(b)	(b)	—	—	—	—	3	
Class XVI Symptoms, signs and ill-defined conditions (780-799)	M	1.1	1	1	1	2	2	3	14	
	F	0.8	(b)	(b)	1	(b)	1	2	19	
Class XVII Accidents, poisonings and violence (external causes) (E800-E999)	M	0.2	13	76	66	58	54	63	171	
	F	0.1	7	20	18	16	19	32	111	
Motor vehicle traffic accidents (E810-E819)	M	(b)	4	33	17	13	10	13	33	
	F	(b)	3	10	6	4	6	10	13	
Accidental falls (E880-E888)	M	(b)	(b)	1	2	2	5	9	76	
	F	(b)	(b)	(b)	(b)	(b)	2	5	73	
Accidental drowning and submersion (E910)	M	—	3	3	2	2	2	3	2	
	F	(b)	1	(b)	(b)	(b)	(b)	2	1	
Suicide (E950-E959)	M	—	(b)	25	25	23	23	23	31	
	F	—	(b)	4	6	7	5	6	6	
Other external causes (Remainder of E800-E999)	M	0.1	6	14	20	17	15	15	29	
	F	0.1	3	5	5	4	6	8	17	

(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. See paragraph 12 of the Explanatory Notes. (b) Less than 0.5 or less than 0.05 for age under 1 year.

TABLE 5. DEATHS: CAUSE BY SEX, AUSTRALIA, 1984 TO 1993

Cause of death and ICD code		Sex	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
All causes		M	59,986	64,156	62,210	63,611	65,082	66,926	64,660	64,067	66,115	65,085
		F	49,927	54,652	52,771	53,710	54,784	57,306	55,402	55,079	57,545	56,509
		P	109,913	118,808	114,981	117,321	119,866	124,232	120,062	119,146	123,660	121,594
Class I Infectious and parasitic diseases (001-139)		M	271	300	340	342	410	402	429	456	492	502
		F	246	323	258	302	323	359	374	374	402	431
Class II Neoplasms (140-239)		M	14,702	15,818	15,821	16,225	16,977	17,350	17,444	17,737	18,451	18,727
		F	11,403	12,130	12,335	12,332	12,910	13,074	13,300	13,872	13,954	14,449
Malignant neoplasms (140-208)		M	14,561	15,686	15,701	16,110	16,828	17,201	17,311	17,576	18,289	18,479
		F	11,259	11,983	12,194	12,188	12,734	12,943	13,153	13,709	13,744	14,212
Lip, oral cavity and pharynx (140-149)		M	434	470	423	433	450	462	473	496	481	466
		F	163	154	167	195	168	174	174	208	165	203
Stomach (151)		M	805	902	874	830	879	790	796	782	761	791
		F	537	525	508	496	525	510	483	496	473	447
Colon (153)		M	1,324	1,460	1,492	1,536	1,536	1,565	1,567	1,583	1,617	1,706
		F	1,376	1,525	1,600	1,577	1,546	1,535	1,544	1,519	1,546	1,602
Liver and intrahepatic bile ducts (155)		M	207	227	210	243	244	264	284	297	342	348
		F	121	98	105	124	127	125	116	130	138	142
Pancreas (157)		M	650	647	682	670	668	719	717	716	721	771
		F	553	566	607	649	580	677	667	656	730	705
Other digestive organs and peritoneum (150, 152, 154, 156, 158, 159)		M	1,167	1,252	1,279	1,344	1,407	1,430	1,447	1,493	1,526	1,445
		F	943	1,053	1,027	1,049	1,063	1,035	1,013	1,139	1,103	1,083
Respiratory and intrathoracic organs (160-165)		M	4,530	4,783	4,667	4,802	4,979	5,034	4,901	4,949	5,112	4,993
		F	1,216	1,313	1,418	1,362	1,612	1,630	1,664	1,820	1,811	1,905
Melanoma of skin (172)		M	381	422	417	505	490	487	516	513	527	575
		F	236	269	263	287	294	281	310	302	344	279
Breast (174, 175)		M	19	11	16	21	23	17	16	15	19	16
		F	2,085	2,207	2,230	2,258	2,348	2,431	2,449	2,513	2,438	2,641
Other bone, skin and connective tissue (170, 171, 173)		M	286	279	306	277	301	371	376	357	458	422
		F	182	172	187	174	174	162	175	193	208	257
Genitourinary organs (179-189)		M	2,234	2,470	2,537	2,647	2,821	2,933	3,033	3,058	3,344	3,511
		F	1,714	1,719	1,800	1,703	1,779	1,835	1,880	1,957	1,824	1,938
Other and unspecified sites (190-199)		M	1,275	1,402	1,371	1,440	1,521	1,508	1,610	1,697	1,717	1,682
		F	1,136	1,224	1,124	1,192	1,287	1,338	1,431	1,431	1,536	1,542
Lymphatic and haematopoietic tissue (200-208)		M	1,249	1,361	1,427	1,362	1,509	1,621	1,575	1,620	1,664	1,753
		F	997	1,158	1,158	1,122	1,231	1,216	1,247	1,345	1,428	1,468
Benign and unspecified neoplasms (210-239)		M	141	132	120	115	149	149	133	161	162	248
		F	144	147	141	144	176	131	147	163	210	237

TABLE 5. DEATHS: CAUSE BY SEX, AUSTRALIA, 1984 TO 1993—continued

Cause of death and ICD code		Sex	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Class III	Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	1,142	1,146	1,246	1,407	1,361	1,559	1,753	1,823	1,938	2,197
		F	1,216	1,367	1,307	1,387	1,403	1,430	1,414	1,535	1,640	1,695
		M	878	858	906	999	922	1,004	1,077	1,113	1,136	1,278
		F	960	1,058	1,052	1,068	1,081	1,111	1,107	1,175	1,269	1,290
Class IV	Diseases of blood and blood-forming organs (280-289)	M	190	202	214	226	197	199	236	226	222	168
		F	190	225	227	242	227	239	237	217	223	226
Class V	Mental disorders (290-319)	M	606	764	764	814	950	1,000	959	869	957	1,001
		F	618	834	837	940	1,020	1,157	1,080	1,016	1,187	1,343
Class VI	Diseases of the nervous system and sense organs (320-389)	M	824	982	913	1,008	1,113	1,205	1,099	1,137	1,283	1,396
		F	693	879	872	970	1,044	1,185	1,169	1,211	1,376	1,398
Class VII	Diseases of the circulatory system (390-459)	M	27,797	29,006	27,949	28,081	27,779	28,376	27,033	26,571	27,079	26,369
		F	26,492	28,522	27,316	27,597	27,301	28,453	27,252	26,439	27,833	26,867
	All heart disease (393-398, 402, 404, 410-414, 415, 416, 420-429)	M	20,796	21,847	21,057	21,137	20,833	21,349	20,229	19,799	20,211	19,589
		F	16,931	18,306	17,942	18,169	17,921	18,912	17,967	17,609	18,666	17,663
	Rheumatic fever and rheumatic heart disease (390-398)	M	130	150	131	140	149	146	133	133	118	116
		F	291	281	269	255	259	281	231	231	243	249
	Hypertensive disease (401-405)	M	464	461	409	413	451	452	405	408	390	427
		F	621	722	676	645	672	698	644	621	684	710
	Acute myocardial infarction (410)	M	12,836	13,274	12,968	12,570	12,245	12,299	11,556	11,109	11,085	10,297
		F	9,084	9,564	9,696	9,486	9,323	9,594	9,367	8,915	9,200	8,371
	Other ischaemic heart disease (411-414)	M	5,031	5,367	5,089	5,418	5,492	5,833	5,630	5,644	5,978	6,038
		F	4,000	4,398	4,250	4,619	4,524	4,913	4,621	4,655	5,219	5,053
	Diseases of pulmonary circulation and other forms of heart disease (415-429)	M	2,518	2,787	2,664	2,763	2,717	2,849	2,712	2,716	2,815	2,912
		F	3,164	3,615	3,324	3,441	3,421	3,710	3,399	3,436	3,643	3,581
	Cerebrovascular disease (430-438)	M	5,108	5,276	5,000	5,075	5,034	5,057	4,792	4,829	4,860	4,818
		F	7,552	8,133	7,491	7,493	7,407	7,522	7,293	7,054	7,126	7,319
	Other diseases of circulatory system (440-459)	M	1,710	1,691	1,688	1,702	1,691	1,740	1,805	1,732	1,833	1,761
		F	1,780	1,809	1,610	1,658	1,695	1,735	1,697	1,499	1,718	1,584
Class VIII	Diseases of the respiratory system (460-519)	M	5,010	5,742	5,033	5,316	5,614	6,366	5,466	5,372	5,972	5,468
		F	2,792	3,422	2,887	3,175	3,422	4,245	3,535	3,534	4,096	3,777
	Pneumonia and influenza (480-487)	M	784	992	725	760	787	814	835	814	985	808
		F	918	1,200	807	895	920	1,242	962	993	1,023	855
	Chronic obstructive pulmonary disease and allied conditions (490-496)	M	3,796	4,227	3,836	4,075	4,258	4,711	4,018	3,931	4,301	3,974
		F	1,526	1,853	1,718	1,935	2,090	2,469	2,103	2,081	2,481	2,364

TABLE 5. DEATHS: CAUSE BY SEX, AUSTRALIA, 1984 TO 1993—continued

Cause of death and ICD code	Sex	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Class IX Diseases of the digestive system (520-579)	M	1,998	2,080	2,067	2,081	2,172	2,299	2,107	2,092	2,058	1,938
	F	1,664	1,918	1,864	1,932	1,982	1,945	1,987	1,971	1,904	1,821
Ulcer of stomach and duodenum (531-533)	M	382	389	382	369	410	460	390	342	350	300
	F	332	420	404	472	432	412	444	411	371	334
Chronic liver disease and cirrhosis (571)	M	849	838	852	863	851	825	796	798	807	723
	F	263	330	318	319	309	284	319	296	295	266
Class X Diseases of the genitourinary system (580-629)	M	759	830	750	745	821	842	845	895	845	855
	F	956	1,030	984	979	1,029	1,087	1,043	1,074	1,016	1,069
Nephritis, nephrotic syndrome and nephrosis (580-589)	M	455	520	454	467	556	571	588	588	588	657
	F	605	645	652	662	708	781	715	769	722	795
Class XI Complications of pregnancy, childbirth and the puerperium (630-676)	F	18	11	15	13	12	13	16	13	9	15
Class XII Diseases of the skin and subcutaneous tissue (680-709)	M	29	26	44	32	47	55	51	38	56	68
	F	28	57	58	63	80	89	86	75	93	107
Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)	M	171	195	194	192	235	216	225	197	223	223
	F	366	387	360	411	420	476	433	463	499	458
Class XIV Congenital anomalies (740-759)	M	511	545	447	453	458	400	442	420	453	397
	F	370	437	394	364	406	373	398	358	352	342
Class XV Certain conditions originating in the perinatal period (760-779)	M	469	550	507	474	511	481	532	446	478	412
	F	354	441	357	342	383	372	369	352	368	284
Class XVI Symptoms, signs and ill-defined conditions (780-799)	M	451	480	450	485	457	473	451	388	378	315
	F	326	340	343	321	326	341	362	272	334	256
Class XVII Accidents, poisonings and violence (external causes) (E800-E999)	M	5,056	5,490	5,471	5,730	5,980	5,703	5,588	5,400	5,230	5,049
	F	2,195	2,329	2,357	2,340	2,496	2,468	2,347	2,303	2,259	1,971
Motor vehicle traffic accidents (E810-E819)	M	1,933	2,083	2,132	1,995	2,176	2,000	1,751	1,570	1,408	1,384
	F	781	850	855	788	902	828	738	651	658	572
Accidental falls (E880-E888)	M	403	422	393	426	436	505	472	435	455	418
	F	499	514	487	560	522	609	558	495	511	438
Accidental drowning and submersion (E910)	M	222	234	216	238	232	244	227	209	216	226
	F	50	60	53	55	70	70	73	60	75	62
Suicide (E950-E959)	M	1,309	1,428	1,531	1,773	1,730	1,658	1,735	1,847	1,820	1,687
	F	403	399	451	467	467	438	426	513	474	394
Other external causes (Remainder of E800-E999)	M	1,189	1,323	1,199	1,298	1,406	1,296	1,403	1,339	1,331	1,334
	F	462	506	511	470	535	523	552	584	541	505



TABLE 6. DEATHS AT AGES UNDER 1 YEAR: MAIN CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Cause of death and ICD code	Males			Females			Persons		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
<b>All causes</b>	<b>1,049</b>	<b>1,073</b>	<b>918</b>	<b>787</b>	<b>770</b>	<b>673</b>	<b>1,836</b>	<b>1,843</b>	<b>1,591</b>
<i>Congenital anomalies (740-759)</i>	265	296	244	210	202	213	475	498	457
Congenital anomalies of nervous system (740-742)	33	35	30	39	39	45	72	74	75
Congenital anomalies of circulatory system (745-747)	82	92	86	56	68	63	138	160	149
<i>Certain conditions originating in the perinatal period (760-779)</i>	444	474	405	350	363	282	794	837	687
Disorders relating to short gestation and unspecified low birthweight (765)	126	155	106	103	125	90	229	280	196
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	204	176	156	143	135	92	347	311	248
<i>Symptoms, signs and ill-defined conditions (780-799)</i>	231	179	150	133	119	106	364	298	256
Sudden death, cause unknown (798)	228	178	148	130	118	106	358	296	254

TABLE 7. DEATHS AT AGES 1-14 YEARS: MAIN CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Cause of death and ICD code	Males			Females			Persons		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
<b>All causes</b>	<b>462</b>	<b>475</b>	<b>496</b>	<b>327</b>	<b>356</b>	<b>345</b>	<b>789</b>	<b>831</b>	<b>841</b>
<i>Malignant neoplasms (140-208)</i>	58	64	65	55	59	63	113	123	128
Malignant neoplasms of lymphatic and haematopoietic tissue (200-208)	30	34	27	24	27	30	54	61	57
<i>Diseases of the nervous system and sense organs (320-389)</i>	47	49	46	34	32	34	81	81	80
<i>Congenital anomalies (740-759)</i>	40	45	48	36	48	46	76	93	94
<i>Accidents, poisonings and violence (E800-E999)</i>	233	234	245	129	134	128	362	368	373
Motor vehicle traffic accidents (E810-E819)	93	94	73	41	49	53	134	143	126
Accidents caused by submersion, suffocation and foreign bodies (E910-E915)	66	68	70	33	34	27	99	102	97

TABLE 8. DEATHS AT AGES 15-24 YEARS: MAIN CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Cause of death and ICD code	Males			Females			Persons		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
<b>All causes</b>	<b>1,524</b>	<b>1,412</b>	<b>1,374</b>	<b>554</b>	<b>518</b>	<b>502</b>	<b>2,078</b>	<b>1,930</b>	<b>1,876</b>
<i>Malignant neoplasms (140-208)</i>	86	90	61	63	55	70	149	145	131
<i>Accidents, poisonings and violence (E800-E999)</i>	1,197	1,085	1,069	336	321	267	1,533	1,406	1,336
Motor vehicle traffic accidents (E810-E819)	534	438	463	162	166	136	696	604	599
Suicide (E950-E959)	376	378	345	86	77	55	462	455	400

TABLE 9. DEATHS AT AGES 25-44 YEARS: MAIN CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Cause of death and ICD code	Males			Females			Persons		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
All causes	4,199	4,171	4,130	1,975	1,921	1,904	6,174	6,092	6,034
Malignant neoplasms (140-208)	677	659	667	788	794	769	1,465	1,453	1,436
Diseases of the circulatory system (390-459)	599	559	551	211	220	225	810	779	776
Acute myocardial infarction (410)	224	203	192	43	45	43	267	248	235
Accidents, poisonings and violence (E800-E999)	1,952	1,897	1,806	557	525	485	2,509	2,422	2,291
Motor vehicle traffic accidents (E810-E819)	504	507	463	179	160	162	683	667	625
Suicide (E950-E959)	823	762	692	200	195	158	1,023	957	850

TABLE 10. DEATHS AT AGES 45-54 YEARS: MAIN CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Cause of death and ICD code	Males			Females			Persons		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
All causes	3,890	3,941	3,906	2,210	2,300	2,195	6,100	6,241	6,101
Malignant neoplasms (140-208)	1,338	1,352	1,340	1,267	1,307	1,272	2,605	2,659	2,612
Lip, oral cavity and pharynx (140-149)	65	60	72	14	15	14	79	75	86
Stomach (151)	49	50	49	23	34	24	72	84	73
Colon (153)	135	141	136	120	119	114	255	260	250
Pancreas (157)	47	58	56	34	33	31	81	91	87
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	185	178	165	67	78	69	252	256	234
Respiratory and intrathoracic organs (160-165)	357	364	342	161	147	172	518	511	514
Melanoma of skin (172)	79	62	73	40	50	33	119	112	106
Breast (174, 175)	—	1	1	418	416	436	418	417	437
Genitourinary organs (179-189)	78	82	73	177	175	166	255	257	239
Other and unspecified sites (190-199)	170	176	186	110	130	104	280	306	290
Lymphatic and haematopoietic tissue (200-208)	143	148	162	88	94	94	231	242	256
Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	175	172	198	54	41	68	229	213	266
Diabetes mellitus (250)	60	42	63	28	26	49	88	68	112
Diseases of the nervous system and sense organs (320-389)	58	64	53	45	34	51	103	98	104
Diseases of the circulatory system (390-459)	1,249	1,273	1,187	387	425	385	1,636	1,698	1,572
Acute myocardial infarction (410)	585	580	502	123	130	100	708	710	602
Other ischaemic heart disease (411-414)	321	360	350	47	66	70	368	426	420
Other heart disease (393-398, 402, 404, 415, 416, 420-429)	152	145	149	76	73	75	228	218	224
Cerebrovascular disease (430-438)	147	134	136	123	131	117	270	265	253
Diseases of the respiratory system (460-519)	126	134	148	89	108	99	215	242	247
Chronic obstructive pulmonary disease and allied conditions (490-496)	80	80	96	60	80	68	140	160	164
Diseases of the digestive system (520-579)	195	223	200	76	85	69	271	308	269
Chronic liver disease and cirrhosis (571)	142	181	153	44	44	39	186	225	192
Accidents, poisonings and violence (E800-E999)	593	574	609	186	194	159	779	768	768
Motor vehicle traffic accidents (E810-E819)	119	105	135	55	54	38	174	159	173
Suicide (E950-E959)	251	260	247	71	62	71	322	322	318

TABLE 11. DEATHS AT AGES 55-64 YEARS: MAIN CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Cause of death and ICD code	Males			Females			Persons		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
All causes	8,911	8,747	8,298	4,685	4,647	4,505	13,596	13,394	12,803
<i>Malignant neoplasms (140-208)</i>	3,454	3,475	3,399	2,336	2,212	2,291	5,790	5,687	5,690
Lip, oral cavity, and pharynx (140-149)	155	142	163	39	30	40	194	172	203
Stomach (151)	142	137	143	69	62	53	211	199	196
Colon (153)	337	322	338	225	229	254	562	551	592
Pancreas (157)	158	156	163	100	110	96	258	266	259
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	389	417	397	181	180	161	570	597	558
Respiratory and intrathoracic organs (160-165)	1,146	1,187	1,119	393	365	359	1,539	1,552	1,478
Breast (174, 175)	4	4	—	495	464	539	499	468	539
Bone, skin and connective tissue (170-173)	162	158	188	88	67	73	250	225	261
Genitourinary organs (179-189)	338	346	328	357	297	296	695	643	624
Other and unspecified sites (190-199)	358	349	307	220	218	226	578	567	533
Lymphatic and haematopoietic tissue (200-208)	265	257	253	169	190	194	434	447	447
<i>Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>	246	236	285	147	149	154	393	385	439
Diabetes mellitus (250)	162	150	186	108	121	123	270	271	309
<i>Diseases of the nervous system and sense organs (320-389)</i>	96	101	109	79	101	92	175	202	201
<i>Diseases of the circulatory system (390-459)</i>	3,468	3,320	3,033	1,243	1,335	1,157	4,711	4,655	4,190
Acute myocardial infarction (410)	1,642	1,567	1,391	520	542	451	2,162	2,109	1,842
Other ischaemic heart disease (411-414)	845	814	805	223	234	240	1,068	1,048	1,045
Other heart disease (393-398, 402, 404, 415, 416, 420-429)	366	360	338	167	198	159	533	558	497
Cerebrovascular disease (430-438)	425	369	348	271	267	220	696	636	568
Diseases of arteries, arterioles and capillaries (440-448)	157	178	114	33	63	51	190	241	165
<i>Diseases of the respiratory system (460-519)</i>	539	528	523	320	320	304	859	848	827
Chronic obstructive pulmonary disease and allied conditions (490-496)	410	413	401	258	249	241	668	662	642
<i>Diseases of the digestive system (520-579)</i>	370	387	330	157	136	154	527	523	484
Chronic liver disease and cirrhosis (571)	236	246	202	73	61	67	309	307	269
<i>Diseases of the genitourinary system (580-629)</i>	56	45	37	65	68	70	121	113	107
<i>Accidents, poisonings and violence (E800-E999)</i>	454	438	400	197	176	141	651	614	541
Motor vehicle traffic accidents (E810-E819)	104	88	72	48	62	44	152	150	116
Suicide (E950-E959)	156	170	170	73	52	37	229	222	207

TABLE 12. DEATHS AT AGES 65-74 YEARS: MAIN CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Cause of death and ICD code	Males			Females			Persons		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
<b>All causes</b>	<b>16,942</b>	<b>17,647</b>	<b>17,349</b>	<b>10,755</b>	<b>10,824</b>	<b>10,644</b>	<b>27,697</b>	<b>28,471</b>	<b>27,993</b>
<i>Malignant neoplasms (140-208)</i>	5,821	6,208	6,182	3,807	3,794	3,952	9,628	10,002	10,134
Stomach (151)	265	264	252	115	109	112	380	373	364
Colon (153)	515	536	547	416	425	423	931	961	970
Pancreas (157)	255	241	297	181	232	231	436	473	528
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	607	640	635	384	351	363	991	991	998
Respiratory and intrathoracic organs (160-165)	1,939	2,022	1,935	646	636	694	2,585	2,658	2,629
Breast (174, 175)	7	4	8	623	571	591	630	575	599
Genitourinary organs (179-189)	914	1,059	1,061	559	519	603	1,473	1,578	1,664
Other and unspecified sites (190-199)	534	539	537	373	421	393	907	960	930
Lymphatic and haematopoietic tissue (200-208)	438	473	507	358	354	371	796	827	878
<i>Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>	404	440	473	374	377	387	778	817	860
Diabetes mellitus (250)	313	349	387	294	303	312	607	652	699
<i>Diseases of the nervous system and sense organs (320-389)</i>	200	233	278	186	226	203	386	459	481
<i>Diseases of the circulatory system (390-459)</i>	7,453	7,541	7,419	4,442	4,311	4,142	11,895	11,852	11,561
Acute myocardial infarction (410)	3,476	3,392	3,217	1,873	1,757	1,674	5,349	5,149	4,891
Other ischaemic heart disease (411-414)	1,597	1,714	1,759	812	830	801	2,409	2,544	2,560
Other heart disease (393-398, 402, 404, 415, 416, 420-429)	677	709	699	531	536	497	1,208	1,245	1,196
Cerebrovascular disease (430-438)	1,124	1,157	1,148	924	875	896	2,048	2,032	2,044
Diseases of arteries, arterioles and capillaries (440-448)	482	490	492	201	216	197	683	706	689
<i>Diseases of the respiratory system (460-519)</i>	1,605	1,703	1,578	792	980	921	2,397	2,683	2,499
Pneumonia and influenza (480-487)	141	196	174	115	112	102	256	308	276
Chronic obstructive pulmonary disease and allied conditions (490-496)	1,300	1,339	1,243	600	784	735	1,900	2,123	1,978
<i>Diseases of the digestive system (520-579)</i>	501	492	493	356	349	311	857	841	804
<i>Diseases of the genitourinary system (580-629)</i>	182	148	128	191	178	148	373	326	276
<i>Accidents, poisonings and violence (E800-E999)</i>	422	443	364	260	253	211	682	696	575

TABLE 13. DEATHS AT AGE 75 YEARS AND OVER: MAIN CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Cause of death and ICD code	Males			Females			Persons		
	1991	1992	1993	1991	1992	1993	1991	1992	1993
<b>All causes</b>	<b>27,083</b>	<b>28,642</b>	<b>28,608</b>	<b>33,785</b>	<b>36,207</b>	<b>35,741</b>	<b>60,868</b>	<b>64,849</b>	<b>64,349</b>
<i>Malignant neoplasms (140-208)</i>	6,138	6,437	6,760	5,389	5,521	5,790	11,527	11,958	12,550
Stomach (151)	306	282	323	263	249	234	569	531	557
Colon (153)	549	583	640	719	725	759	1,268	1,308	1,399
Other digestive organs and peritoneum (150, 152, 154-159)	777	825	785	923	935	930	1,700	1,760	1,715
Respiratory and intrathoracic organs (160-165)	1,438	1,460	1,516	570	623	634	2,008	2,083	2,150
Breast (174, 175)	4	10	7	703	728	839	707	738	846
Genitourinary organs (179-189)	1,675	1,809	2,013	752	710	751	2,427	2,519	2,764
Other and unspecified sites (190-199)	490	515	496	593	640	693	1,083	1,155	1,189
Lymphatic and haematopoietic tissue (200-208)	548	561	621	594	651	651	1,142	1,212	1,272
<i>Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>	629	669	719	881	986	972	1,510	1,655	1,691
Diabetes mellitus (250)	543	552	584	721	796	781	1,264	1,348	1,365
<i>Mental disorders (290-319)</i>	466	479	539	832	1,022	1,136	1,298	1,501	1,675
<i>Diseases of the circulatory system (390-459)</i>	13,738	14,327	14,131	20,114	21,486	20,915	33,852	35,813	35,046
Acute myocardial infarction (410)	5,174	5,338	4,992	6,356	6,724	6,101	11,530	12,062	11,093
Other ischaemic heart disease (411-414)	2,747	2,951	2,986	3,557	4,058	3,909	6,304	7,009	6,895
Other heart disease (393-398, 402, 404, 415, 416, 420-429)	1,690	1,790	1,910	3,173	3,343	3,406	4,863	5,133	5,316
Cerebrovascular disease (430-438)	3,026	3,098	3,106	5,652	5,771	6,015	8,678	8,869	9,121
Diseases of arteries, arterioles and capillaries (440-448)	928	1,001	970	1,110	1,256	1,174	2,038	2,257	2,144
<i>Diseases of the respiratory system (460-519)</i>	2,928	3,471	3,074	2,207	2,584	2,328	5,135	6,055	5,402
Pneumonia and influenza (480-487)	505	641	470	796	819	669	1,301	1,460	1,139
Chronic obstructive pulmonary disease and allied conditions (490-496)	2,068	2,412	2,167	1,092	1,326	1,250	3,160	3,738	3,417
<i>Diseases of the digestive system (520-579)</i>	860	808	775	1,300	1,262	1,210	2,160	2,070	1,985
<i>Diseases of the genitourinary system (580-629)</i>	612	620	653	769	729	812	1,381	1,349	1,465
Nephritis, nephrotic syndrome and nephrosis (580-589)	429	448	516	557	544	623	986	992	1,139
<i>Accidents, poisonings and violence (E800-E999)</i>	529	530	525	619	639	565	1,148	1,169	1,090
Accidental falls (E880-E888)	230	258	235	400	426	371	630	684	606

TABLE 14. DEATHS: RATES AND PERCENTAGE DISTRIBUTION BY AGE GROUPS:  
LEADING CAUSES BY SEX, AUSTRALIA, 1991 TO 1993

Age group, cause of death and ICD code	Rate (a)			Percentage of all deaths of same age and sex, 1993
	1991	1992	1993	
MALES				
<i>Under 1 year</i>				
<b>All causes</b>	7.95	7.91	6.87	100
<i>Certain conditions originating in the perinatal period (760-779)</i>	3.36	3.50	3.03	44
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	1.55	1.30	1.17	17
<i>Symptoms, signs and ill-defined conditions (780-799)</i>	1.75	1.32	1.12	16
Sudden death, cause unknown (798)	1.73	1.31	1.11	16
Congenital anomalies (740-759)	2.01	2.18	1.83	27
<i>1-14 years</i>				
<b>All causes</b>	26	26	27	100
<i>Accidents, poisonings and violence (E800-E999)</i>	13	13	13	49
Motor vehicle traffic accidents (E810-E819)	5	5	4	15
Accidents caused by submersion, suffocation and foreign bodies (E910-E915)	4	4	4	14
<i>Malignant neoplasms (140-208)</i>	3	4	4	13
<i>15-24 years</i>				
<b>All causes</b>	108	100	98	100
<i>Accidents, poisonings and violence (E800-E999)</i>	85	77	76	78
Motor vehicle traffic accidents (E810-E819)	38	31	33	34
Suicide (E950-E959)	27	27	25	25
<i>25-44 years</i>				
<b>All causes</b>	153	152	150	100
<i>Accidents, poisonings and violence (E800-E999)</i>	71	69	66	44
Suicide (E950-E959)	30	28	25	17
Motor vehicle traffic accidents (E810-E819)	18	18	17	11
<i>Diseases of the circulatory system (390-459)</i>	22	20	20	13
<i>Malignant neoplasms (140-208)</i>	25	24	24	16
<i>45-54 years</i>				
<b>All causes</b>	405	391	371	100
<i>Diseases of the circulatory system (390-459)</i>	130	126	113	30
Acute myocardial infarction (410)	61	57	48	13
<i>Malignant neoplasms (140-208)</i>	139	134	127	34
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	37	36	32	9
<i>Accidents, poisonings and violence (E800-E999)</i>	62	57	58	16
<i>55-64 years</i>				
<b>All causes</b>	1,214	1,188	1,122	100
<i>Diseases of the circulatory system (390-459)</i>	472	451	410	37
Acute myocardial infarction (410)	224	213	188	17
<i>Malignant neoplasms (140-208)</i>	471	472	460	41
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	156	161	151	13
<i>65-74 years</i>				
<b>All causes</b>	3,088	3,126	2,986	100
<i>Diseases of the circulatory system (390-459)</i>	1,358	1,336	1,277	43
Acute myocardial infarction (410)	634	601	554	19
<i>Malignant neoplasms (140-208)</i>	1,061	1,100	1,064	36
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	353	358	333	11
<i>75 years and over</i>				
<b>All causes</b>	9,416	9,619	9,298	100
<i>Diseases of the circulatory system (390-459)</i>	4,776	4,811	4,593	49
Acute myocardial infarction (410)	1,799	1,793	1,622	17
Cerebrovascular disease (430-438)	1,052	1,040	1,009	11
Other ischaemic heart disease (411-414)	955	991	970	10
<i>Malignant neoplasms (140-208)</i>	2,134	2,162	2,197	24
<i>Diseases of the respiratory system (460-519)</i>	1,018	1,166	999	11
<i>Total all ages</i>				
<b>All causes</b>	744	759	740	100
<i>Diseases of the circulatory system (390-459)</i>	308	311	300	41
Acute myocardial infarction (410)	129	127	117	16
<i>Malignant neoplasms (140-208)</i>	204	210	210	28
<i>Accidents, poisonings and violence (E800-E999)</i>	63	60	57	8
<i>Diseases of the respiratory system (460-519)</i>	62	69	62	8

TABLE 14. DEATHS: RATES AND PERCENTAGE DISTRIBUTION BY AGE GROUPS:  
LEADING CAUSES BY SEX, AUSTRALIA, 1991 TO 1993 —continued

Age group, cause of death and ICD code	Rate (a)			Percentage of all deaths of same age and sex, 1993
	1991	1992	1993	
FEMALES				
<i>Under 1 year</i>				
All causes	6.28	5.99	5.31	100
<i>Certain conditions originating in the perinatal period (760-779)</i>				
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	1.14	1.05	0.73	14
Disorders relating to short gestation and unspecified low birthweight (765)	0.82	0.97	0.71	13
Congenital anomalies (740-759)	1.68	1.57	1.68	32
<i>Symptoms, signs and ill-defined conditions (780-799)</i>				
Sudden death, cause unknown (798)	1.04	0.92	0.84	16
<i>1-14 years</i>				
All causes	19	21	20	100
<i>Accidents, poisonings and violence (E800-E999)</i>				
Motor vehicle traffic accidents (E810-E819)	8	8	7	37
Malignant neoplasms (140-208)	2	3	3	15
Congenital anomalies (740-759)	3	3	4	18
Diseases of the nervous system and sense organs (320-389)	2	3	3	13
<i>15-24 years</i>				
All causes	41	38	37	100
<i>Accidents, poisonings and violence (E800-E999)</i>				
Motor vehicle traffic accidents (E810-E819)	25	24	20	53
Suicide (E950-E959)	12	12	10	27
Malignant neoplasms (140-208)	6	6	4	11
<i>25-44 years</i>				
All causes	73	70	69	100
<i>Malignant neoplasms (140-208)</i>				
Malignant neoplasms of breast (174)	29	29	28	40
<i>Accidents, poisonings and violence (E800-E999)</i>				
Motor vehicle traffic accidents (E810-E819)	21	19	18	25
Suicide (E950-E959)	7	6	6	9
Diseases of the circulatory system (390-459)	7	7	6	8
<i>45-54 years</i>				
All causes	241	239	218	100
<i>Malignant neoplasms (140-208)</i>				
Malignant neoplasms of breast (174)	138	136	126	58
Diseases of the circulatory system (390-459)	46	43	43	20
<i>Accidents, poisonings and violence (E800-E999)</i>				
Acute myocardial infarction (410)	42	44	38	18
Other ischaemic heart disease (411-414)	13	13	10	5
Malignant neoplasms (140-208)	20	20	16	7
<i>55-64 years</i>				
All causes	643	636	615	100
<i>Malignant neoplasms (140-208)</i>				
Malignant neoplasms of breast (174)	321	303	313	51
Diseases of the circulatory system (390-459)	68	63	74	12
<i>Accidents, poisonings and violence (E800-E999)</i>				
Acute myocardial infarction (410)	171	183	158	26
Other ischaemic heart disease (411-414)	71	74	62	10
<i>65-74 years</i>				
All causes	1,698	1,676	1,614	100
<i>Diseases of the circulatory system (390-459)</i>				
Acute myocardial infarction (410)	701	668	628	39
Cerebrovascular disease (430-438)	296	272	254	16
Malignant neoplasms (140-208)	146	135	136	8
<i>75 years and over</i>				
All causes	7,025	7,302	7,001	100
<i>Diseases of the circulatory system (390-459)</i>				
Acute myocardial infarction (410)	4,182	4,333	4,097	59
Cerebrovascular disease (430-438)	1,322	1,356	1,195	17
Other ischaemic heart disease (411-414)	1,175	1,164	1,178	17
Malignant neoplasms (140-208)	740	818	766	11
<i>Total all ages</i>				
All causes	635	656	637	100
<i>Diseases of the circulatory system (390-459)</i>				
Acute myocardial infarction (410)	305	317	303	48
Cerebrovascular disease (430-438)	103	105	94	15
Other ischaemic heart disease (411-414)	81	81	83	13
Malignant neoplasms (140-208)	54	59	57	9
Diseases of the respiratory system (460-519)	158	157	160	25
<i>Accidents, poisonings and violence (E800-E999)</i>				
Motor vehicle traffic accidents (E810-E819)	41	47	43	7

TABLE 14. DEATHS: RATES AND PERCENTAGE DISTRIBUTION BY AGE GROUPS:  
LEADING CAUSES BY SEX, AUSTRALIA, 1991 TO 1993 —continued

Age group, cause of death and ICD code	Rate (a)			Percentage of all deaths of same age and sex, 1993
	1991	1992	1993	
PERSONS				
<i>Under 1 year</i>				
<b>All causes</b>	7.14	6.98	6.11	100
<i>Certain conditions originating in the perinatal period (760-779)</i>	3.09	3.17	2.64	43
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	1.35	1.18	0.95	16
<i>Congenital anomalies (740-759)</i>	1.85	1.89	1.76	29
<i>Symptoms, signs and ill-defined conditions (780-799)</i>	1.41	1.13	0.98	16
Sudden death, cause unknown (798)	1.39	1.12	0.98	16
<i>1-14 years</i>				
<b>All causes</b>	22	23	24	100
<i>Accidents, poisonings and violence (E800-E999)</i>	10	10	10	44
Motor vehicle traffic accidents (E810-E819)	4	4	4	15
Accidents caused by submersion, suffocation and foreign bodies (E910-- E915)	3	3	3	12
<i>Malignant neoplasms (140-208)</i>	3	3	4	15
<i>15-24 years</i>				
<b>All causes</b>	75	70	68	100
<i>Accidents, poisonings and violence (E800-E999)</i>	56	51	49	71
Motor vehicle traffic accidents (E810-E819)	25	22	22	32
Suicide (E950-E959)	17	16	15	21
<i>25-44 years</i>				
<b>All causes</b>	113	111	110	100
<i>Accidents, poisonings and violence (E800-E999)</i>	46	44	42	38
Motor vehicle traffic accidents (E810-E819)	13	12	11	10
Suicide (E950-E959)	19	17	15	14
<i>Malignant neoplasms (140-208)</i>	27	27	26	24
<i>Diseases of the circulatory system (390-459)</i>	15	14	14	13
<i>45-54 years</i>				
<b>All causes</b>	325	316	296	100
<i>Malignant neoplasms (140-208)</i>	139	135	127	43
<i>Diseases of the circulatory system (390-459)</i>	87	86	76	26
Acute myocardial infarction (410)	38	36	29	10
<i>Accidents, poisonings and violence (E800-E999)</i>	42	39	37	13
<i>55-64 years</i>				
<b>All causes</b>	929	913	869	100
<i>Malignant neoplasms (140-208)</i>	396	388	386	44
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	105	106	100	12
<i>Diseases of the circulatory system (390-459)</i>	322	317	285	33
Acute myocardial infarction (410)	148	144	125	14
<i>65-74 years</i>				
<b>All causes</b>	2,343	2,352	2,256	100
<i>Diseases of the circulatory system (390-459)</i>	1,006	979	932	41
Acute myocardial infarction (410)	452	425	394	17
Cerebrovascular disease (430-438)	173	168	165	7
<i>Malignant neoplasms (140-208)</i>	814	826	817	36
<i>75 years and over</i>				
<b>All causes</b>	7,920	8,171	7,865	100
<i>Diseases of the circulatory system (390-459)</i>	4,405	4,513	4,283	54
Acute myocardial infarction (410)	1,500	1,520	1,356	17
Cerebrovascular disease (430-438)	1,129	1,118	1,115	14
<i>Malignant neoplasms (140-208)</i>	1,500	1,507	1,534	20
<i>Total all ages</i>				
<b>All causes</b>	689	707	688	100
<i>Diseases of the circulatory system (390-459)</i>	307	314	301	44
Acute myocardial infarction (410)	116	116	106	15
Cerebrovascular disease (430-438)	69	69	69	10
Other ischaemic heart disease (411-414)	60	64	63	9
<i>Malignant neoplasms (140-208)</i>	181	183	185	27
<i>Diseases of the respiratory system (460-519)</i>	52	58	52	8
<i>Accidents, poisonings and violence (E800-E999)</i>	45	43	40	6
Motor vehicle and other accidents or adverse effects (E800-E949)	28	27	26	4

(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. See paragraph 12 of the Explanatory Notes.



TABLE 15. DEATHS OF INDIGENOUS PEOPLE AND ALL DEATHS: PRINCIPAL CAUSES OF DEATH, SOUTH AUSTRALIA, WESTERN AUSTRALIA AND NORTHERN TERRITORY, 1993

Cause of death and ICD code	Indigenous deaths			All deaths
	Males	Females	Persons	
<b>SOUTH AUSTRALIA</b>				
Infectious and parasitic diseases (001-139)	2	1	3	81
<i>Neoplasms (140-239) —</i>	2	11	13	3,013
Malignant neoplasms (cancer) (140-208)	2	10	12	2,967
Other (210-239)	—	1	1	46
<i>Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279) —</i>	4	6	10	339
Diabetes mellitus (250)	3	6	9	238
Other (240-246, 251-279)	1	—	1	101
Mental disorders (290-319)	5	—	5	256
<i>Diseases of the circulatory system (390-459) —</i>	14	15	29	5,283
Ischaemic heart disease (410-414)	9	7	16	2,918
Other heart disease (393-398, 402, 404, 415, 416, 420-429)	2	5	7	715
Cerebrovascular disease (stroke) (430-438)	3	2	5	1,258
Other (390-392, 400, 401, 403, 405, 417, 440-459)	—	1	1	392
Diseases of the respiratory system (460-519)	7	3	10	880
Diseases of the digestive system (520-579)	5	4	9	337
Perinatal conditions (760-779)	2	1	3	41
All other medical conditions (Remainder of 001-799)	5	3	8	643
<i>External causes (E800-E999)</i>	15	6	21	655
Motor vehicle traffic accidents (E810-E819)	7	3	10	209
All other accidents (E800-E807, E820-E929)	5	3	8	250
Suicide (E950-E959)	2	—	2	166
Other external causes (Remainder of E800-E999)	1	—	1	30
<b>Total (001-799, E800-E999)</b>	<b>61</b>	<b>50</b>	<b>111</b>	<b>11,528</b>
<b>WESTERN AUSTRALIA</b>				
Infectious and parasitic diseases (001-139)	7	3	10	78
<i>Neoplasms (140-239) —</i>	20	20	40	2,841
Malignant neoplasms (cancer) (140-208)	20	20	40	2,803
Other (210-239)	—	—	—	38
<i>Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279) —</i>	17	17	34	308
Diabetes mellitus (250)	17	16	33	236
Other (240-246, 251-279)	—	1	1	72
Mental disorders (290-319)	5	10	15	190
<i>Diseases of the circulatory system (390-459) —</i>	56	40	96	4,357
Ischaemic heart disease (410-414)	32	18	50	2,494
Other heart disease (393-398, 402, 404, 415, 416, 420-429)	9	11	20	578
Cerebrovascular disease (stroke) (430-438)	15	11	26	973
Other (390-392, 400, 401, 403, 405, 417, 440-459)	—	—	—	312
Diseases of the respiratory system (460-519)	38	12	50	801
Diseases of the digestive system (520-579)	12	7	19	311
Perinatal conditions (760-779)	3	4	7	53
All other medical conditions (Remainder of 001-799)	22	26	48	655
<i>External causes (E800-E999)</i>	49	18	67	722
Motor vehicle traffic accidents (E810-E819)	22	7	29	213
All other accidents (E800-E807, E820-E929)	11	8	19	253
Suicide (E950-E959)	9	—	9	216
Other external causes (Remainder of E800-E999)	7	3	10	40
<b>Total (001-799, E800-E999)</b>	<b>229</b>	<b>157</b>	<b>386</b>	<b>10,316</b>
<b>NORTHERN TERRITORY</b>				
Infectious and parasitic diseases (001-139)	8	4	12	15
<i>Neoplasms (140-239) —</i>	19	23	42	161
Malignant neoplasms (cancer) (140-208)	19	22	41	159
Other (210-239)	—	1	1	2
<i>Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279) —</i>	10	12	22	36
Diabetes mellitus (250)	7	10	17	26
Other (240-246, 251-279)	3	2	5	10
Mental disorders (290-319)	1	4	5	9
<i>Diseases of the circulatory system (390-459) —</i>	47	44	91	183
Ischaemic heart disease (410-414)	30	13	43	91
Other heart disease (393-398, 402, 404, 415, 416, 420-429)	11	14	25	48
Cerebrovascular disease (stroke) (430-438)	5	11	16	29
Other (390-392, 400, 401, 403, 405, 417, 440-459)	1	6	7	15
Diseases of the respiratory system (460-519)	28	32	60	93
Diseases of the digestive system (520-579)	7	6	13	29
Perinatal conditions (760-779)	11	7	18	23
All other medical conditions (Remainder of 001-799)	33	25	58	84
<i>External causes (E800-E999)</i>	36	19	55	132
Motor vehicle traffic accidents (E810-E819)	16	5	21	41
All other accidents (E800-E807, E820-E929)	10	6	16	49
Suicide (E950-E959)	1	1	2	22
Other external causes (Remainder of E800-E999)	9	7	16	20
<b>Total (001-799, E800-E999)</b>	<b>200</b>	<b>176</b>	<b>376</b>	<b>765</b>

## EXPLANATORY NOTES

**Introduction**

This publication contains summary statistics on causes of death in Australia which have been compiled from data made available by the Registrars of Births, Deaths and Marriages in the States and Territories. The primary purpose of this publication is to provide an overview of the nature of, and trends in, causes of death in Australia. Additional information is available on request (see paragraphs 17 and 18).

**Scope and coverage**

2. The statistics in this publication exclude fetal deaths (i.e. stillbirths), details of which are included in *Perinatal Deaths, Australia* (3304.0).

3. The statistics relate to the number of deaths registered, not those which actually occurred, in the years shown. Normally about 5 to 6 per cent of deaths occurring in one year are not registered until the following year or even later.

**Statistics for States and Territories**

4. Statistics for States and Territories shown in this publication have been compiled in respect of the State or Territory of usual residence of the deceased, regardless of where in Australia the death occurred and was registered. Statistics compiled on a State or Territory of registration basis are available on request.

5. The Australian Standard Geographical Classification (ASGC) Version used in 1993 has a category *Other Territories* comprising Jervis Bay, Christmas Island and Cocos (Keeling) Islands. In the past, Jervis Bay was included with ACT and the two island Territories in *Offshore and Migratory*. Statistics for 1993 in this publication do not include data for *Other Territories*.

**Cause of death classifications used in this publication**

6. 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. 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, that is, to the circumstances of the accident or violence which produced the fatal injury rather than to the nature of the injury.

7. The extensive nature of the ICD enables classification of causes of death at fine levels of detail. However, for the purpose of this publication, three summary classifications are used. They are:

(i) The ICD at the Class level (with further disaggregation particularly for neoplasms, diseases of the circulatory, respiratory and digestive systems and accidents);

(ii) The ICD Mortality List of Fifty Causes (with certain sub-divisions);

(iii) Main Causes of Death for Age Groups.

8. Table 1 utilises the Mortality List of Fifty Causes. Tables 2 to 5 present statistics at the ICD Class level. Background on both these summary classifications is given in Volume 1 of the 1975 Revision of the International Classification of Diseases.

9. Tables 6 to 13 present time series data for Main Causes of Death for Age Groups. For each age group a classification of the main causes of death relevant to that age group has been developed. The main causes of death shown in this Age Group classification can be related back to the Class level classification referred to in paragraph 7. More detail, however, is shown in the Age Group classification where it is significant to the particular age group.

10. Table 14 contains time series death rates for the leading causes of death in each age group. Consequently, this table presents a further summary (in rate form) of the data provided in Tables 6 to 13.

11. To enable the reader to see the relationship between the three standard summary classifications used in this publication, all tables show in brackets the ICD codes which constitute the causes of death described, e.g. Class I-Infectious and parasitic diseases (001-139); Diabetes mellitus (250); Cerebrovascular disease (430-438).

**Death rates**

12. Four forms of death rates are shown in this publication. These are *Crude death rates*, *Standardised death rates*, *Age-specific death rates* and *Infant death rates*, as defined below:

*Crude cause of death rates* relate to the total number of deaths for specific causes and are the number of deaths for those causes per 100,000 of the estimated mean resident population for the year ended 31 December — see Tables 1, 4, and 14 (total all ages only).

*Standardised death rates* relate to the overall death rates that would have prevailed in a standard population if it had experienced at each age the death rates of the population being studied. The standard population used in these calculations is the 1991 Australian population.

*Age-specific death rates* relate to deaths for age groups other than under 1 year and are the number of deaths per 100,000 of the mid-year estimated resident population in a particular age/sex group — see Tables 4 and 14.

*Infant death rates* relate to deaths of children under 1 year of age and are the number of deaths per thousand live births registered in the year — see Tables 4 and 14.

Appendix A provides details of the number of live births registered and the estimated age and mean resident populations which have been used to calculate the rates shown in this publication. The appendix figures also enable further rates to be calculated.

**Note:** The crude and age-specific death rates and years of potential life lost shown in this publication have been compiled using estimates of resident populations based on 1991 population census final data. The population estimates for the year 1992 have been revised also, using final 1991 census data. Rates shown in Table 14 for the year 1992 have been compiled using these revised population estimates.

#### Data quality

13. The registration of deaths is the responsibility of the individual State and Territory Registrars of Births, Deaths and Marriages. As part of the registration process, information as to the cause of death is supplied by the medical practitioner certifying the death or by a coroner. Guidelines for the provision of cause of death information are made available to medical practitioners by the ABS. Other information about the deceased is supplied by a relative or other person acquainted with the deceased, or by an official of the institution where the death occurred. This information is provided to the ABS by individual Registrars for compilation into aggregate statistics shown in this publication.

14. In compiling statistics of causes of death, the ABS employs a variety of quality control measures to ensure that the statistics are as reliable as possible. These measures include: seeking further information where necessary 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.

15. From 1993 data, all processing of cause of death information for Australia has been carried out in the Queensland office of the ABS. For previous years, cause of death processing was carried out in each of the ABS offices. Some of the benefits expected to accrue from centralised processing are more consistency in coding and improved data quality. This should be borne in mind when comparing the statistics for 1993 with those for earlier years.

#### Indigenous people

16. There is a variation in the quality of indigenous death registration data. An indigenous death is the death of a person who has been identified on the death certificate or death information form as being of Aboriginal or Torres Strait Islander origin. Only in South Australia, Western Australia and the Northern Territory are indigenous death registration data considered to be of publishable standard with more than 90 per cent of indigenous deaths covered. In New South Wales, Victoria, Tasmania and the Australian Capital Territory indigenous deaths are significantly under recorded. Queensland does not currently identify indigenous deaths in its registration processes. Because the data are on a State of usual residence basis, deaths of South Australian, Western Australian and Northern Territory residents which occur in other States may be covered less completely than if the deaths had been registered in South Australia, Western Australia or the Northern Territory.

#### Additional statistics available

17. Tables containing more detailed cause of death information by sex and/or age group at death are available on hardcopy and microfiche from any ABS office. These tables are available on a State or Territory of usual residence or State or Territory of registration basis.

18. In addition, information on other particulars of the deceased is available (see Appendix B). Users who are interested in obtaining tabulations of cause of death by any of these particulars can be provided with the information in one or more of the following forms: photocopy, magnetic tape and electronic media, computer printout and clerically-extracted tabulation. Generally, a charge is levied for providing unpublished information.

#### Related publications

19. Users may wish to refer to the following related publications:

*Births, Australia* (3301.0) — issued annually

*Deaths, Australia* (3302.0) — issued annually

*Perinatal Deaths, Australia* (3304.0) — issued annually

*Deaths, New South Wales* (3312.1) — issued annually

*Deaths, Victoria* (3312.2) — issued annually

*Deaths, Queensland* (3312.3) — issued annually

*Deaths, South Australia* (3312.4) — issued annually

*Deaths, Western Australia* (3312.5) — issued annually

*Deaths, Tasmania* (3312.6) — issued annually

*Survey of Motor Vehicle Use, Australia* (9208.0) — issued three yearly

20. 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 *Publications Advice* are available from any ABS office.

#### Symbols and other usages

21. The following standard symbols are used in this publication:

ICD	International Classification of Diseases (produced by the World Health Organization)
p	preliminary - figures or series subject to revision
r	figures or series revised since previous issue
—	nil (including null cells)
M	males
F	females
P	persons

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

## APPENDIX A

## POPULATIONS FOR USE IN CALCULATING RATES

TABLE A1. LIVE BIRTHS REGISTERED: AUSTRALIA, 1991 TO 1993

Sex	1991	1992	1993
Males	131,965	135,601	133,552
Females	125,282	128,550	126,640
Persons	257,247	264,151	260,192

TABLE A2. LIVE BIRTHS REGISTERED: STATE OR TERRITORY OF USUAL RESIDENCE OF MOTHER AND SEX OF CHILD, 1993

Sex	NSW	Vic	Qld	SA	WA	Tas.	NT	ACT	Australia
Males	45,906	32,793	24,055	10,232	12,925	3,523	1,884	2,234	133,552
Females	43,448	31,256	22,723	9,846	12,156	3,312	1,719	2,180	126,640
Persons	89,354	64,049	46,778	20,078	25,081	6,835	3,603	4,414	260,192

TABLE A3. ESTIMATED MEAN RESIDENT POPULATION, MALES AND FEMALES, AUSTRALIA, YEAR ENDED 31 DECEMBER

Sex	1989	1990	1991	1992	1993
Males	8,388,562	8,508,992	8,616,811	8,715,147	8,799,162
Females	8,427,851	8,552,993	8,669,731	8,774,511	8,864,402
Persons	16,816,413	17,061,985	17,286,542	17,869,658	17,663,564

TABLE A4. ESTIMATED MEAN RESIDENT POPULATION, YEAR ENDED 31 DECEMBER 1993

Sex	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Australia
Males	2,984,108	2,212,012	1,562,257	726,388	842,739	233,879	87,997	149,782	8,799,162
Females	3,017,277	2,253,160	1,555,099	736,827	834,276	237,660	81,606	148,497	8,864,402
Persons	6,001,385	4,465,172	3,117,356	1,463,215	1,677,015	471,539	169,603	298,279	17,663,564

TABLE A5. AGES OF ESTIMATED RESIDENT POPULATION: AUSTRALIA AT 30 JUNE

Year	Age group (years)								All ages
	Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75 and over	
MALES									
1991	132,946	1,810,085	1,405,897	2,735,878	960,260	734,081	548,636	287,626	8,615,409
1992	131,054	1,824,251	1,406,121	2,746,381	1,008,774	736,102	564,489	297,767	8,714,939
1993	132,308	1,831,425	1,401,353	2,749,606	1,052,718	739,606	581,082	307,691	8,795,789
FEMALES									
1991	126,139	1,716,360	1,354,941	2,712,178	915,819	727,737	633,509	480,944	8,668,627
1992	124,452	1,730,501	1,351,897	2,731,684	963,138	730,786	645,833	495,842	8,774,133
1993	125,431	1,737,590	1,344,871	2,742,595	1,007,359	732,929	659,578	510,503	8,860,856
PERSONS									
1991	259,085	3,526,445	2,760,838	5,448,056	1,876,079	1,462,818	1,182,145	768,570	17,284,036
1992	255,506	3,554,752	2,758,018	5,478,065	1,971,912	1,466,888	1,210,322	793,609	17,489,072
1993	257,739	3,569,015	2,746,224	5,492,201	2,060,077	1,472,535	1,240,660	818,194	17,656,645

## APPENDIX B

Causes of death data are available from calendar year 1964, in a variety of forms through our special data service. Please note that for comparability purposes the data conform to the different revisions of the International Classification of Diseases (ICD), namely:

ICD 7	1964 to 1967
ICD 8	1968 to 1978
ICD 9	1978 to the present

Documentation is available detailing the relationship between the ninth revision of the ICD and earlier revisions (ICD 7 & ICD 8). Detailed data tables excluded from the national cause of death publication since 1984 are available on microfiche or through our special data service.

### DATA ITEMS AVAILABLE FOR CROSS-TABULATION WITH CAUSE OF DEATH

- State or Territory of registration of the death
- Month and year of registration of the death
- Place of usual residence of deceased — State or Territory
  - Statistical Division
  - Statistical Local Area
- Occupation of deceased — From 1990
  - Males and females aged 15 years and over
  - Pre-1990
    - Males aged 15-64 years only
    - 1985 to 1990
    - Females aged 15-59 years only
- Sex of deceased
- Age of deceased
  - in completed days at under 1 week
  - in completed weeks at under 1 month
  - in completed months at under 1 year
  - in completed years at other ages
- Date of death of deceased
- Country of birth of deceased
- Duration of residence in Australia (where deceased is not Australian born)
- Marital status of deceased
- Number of issue of deceased
- Aboriginality (for all States except Queensland)
- Post-mortem indicator
- Drowning indicator (from 1992)
- AIDS indicator (where AIDS is mentioned on the Death Certificate, whether the underlying cause or not)
- Certifier of cause of death (Doctor or Coroner)
- Cancer indicator (where Cancer is mentioned on the Death Certificate, whether the underlying cause or not)

### CAUSE OF DEATH TABLES ON MICROFICHE

<u>TABLE</u>	<u>DESCRIPTION</u>
UR1	Deaths by State/Territory of usual residence x cause of death (S list) x sex x 5 year age groups
UR2	Deaths by State/Territory of usual residence x cause of death (ICD-3 digit) x sex
UR3	Deaths by State/Territory of usual residence x cause of death (ICD-3 digit) x sex x 5 year age groups
RG1	Deaths by State/Territory of registration x cause of death (S list) x sex x 5 year age groups
RG2	Deaths by State/Territory of registration x cause of death (ICD-3 digit) x sex
RG3	Deaths by State/Territory of registration x cause of death (ICD-3 digit) x sex x 5 year age groups

### STANDARD CAUSES OF DEATH AND PERINATAL DEATH TABLES

<u>TABLE</u>	<u>DESCRIPTION OF TABLE</u>
COD1	Causes of death (ICD-3 digit) x age x sex x State/Territory of usual residence
COD2	Causes of death (ICD-3 digit) x age x sex x State/Territory of registration
COD3	Causes of death (ICD-3 digit) (S list) x occupation x sex x age
COD4	Causes of death (ICD-3 digit) (S list) x country of birth x sex x age
COD5	Causes of death (ICD-3 digit) x month x State
COD6	Causes of death (ICD-3 digit) (S list) x marital status x sex x age

## TECHNICAL NOTES

### 1. YEARS OF POTENTIAL LIFE LOST

Estimates of years of potential life lost (YPLL) were calculated for deaths of persons aged 1 to 75 years based on the assumption that deaths occurring between ages 1 and 76 years are considered untimely.

$$YPLL = \sum_x (D_x (76 - A_x))$$

$A_x$  = Adjusted age at death. As age at death is only available in completed years the midpoint of the reported age was chosen (e.g. age at death 34 years was adjusted to 34.5)

$D_x$  = Registered number of deaths at age  $x$  due to a particular cause of death

YPLL was standardised for age using the following formula:

$$YPLL_s = \sum_x (D_x (76 - A_x) C_x)$$

where the age correction factor  $C_x$  is defined for age  $x$  as:

$$C_x = \frac{N_{xs}}{N_s} \cdot \frac{1}{N_x} \cdot N$$

$N$  = Number of persons aged 1-75 years in the 1993 population

$N_x$  = Number of persons aged  $x$  years in the 1993 population

$N_{xs}$  = Number of persons aged  $x$  years in the standard population

$N_s$  = Number of persons aged 1-75 years in the standard population

The Australian population at 30 June 1991 was chosen as the standard population.

Estimates of YPLL by cause of death, as presented in Table H indicate the number of years lost due to specific causes based on the assumption that up to exact age 76 years the decedent would not have died from any other cause. YPLL therefore should not be used as a measure of gains in years of life expectancy should a cause of death be eliminated or reduced.





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ISSN 1031-2005

Recommended retail price: \$17.50