

NEW ISSUE

New South Wales



1990
Deaths
New South Wales

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**DEATHS
NEW SOUTH WALES
1990**

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AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 3312.1

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INQUIRIES • for further information about statistics in this publication and the availability of related unpublished statistics, contact Laurie Coleman on Sydney (02) 268 4454 or any ABS office.
 • for information about other ABS statistics and services please refer to the back page of this publication.

General Demographic Statistics

A new publication, *DEMOGRAPHY, NEW SOUTH WALES, 1990* (Catalogue No. 3311.1), which will be a compendium of demographic data relating to New South Wales, will be released in February 1992. The 1990 edition (60 pages, \$25) will contain information on the following topics:

Estimated Resident Population
Overseas and Interstate Migration
Population Projections
Births, Deaths, Marriages and Divorces
Small Area Demographic Data
Historical Data

The above compendium publication, in conjunction with this publication, *DEATHS, NEW SOUTH WALES, 1990* (Catalogue No. 3312.1), replaces the following publications which were discontinued after the release of the 1989 editions:

<i>Births, New South Wales</i>	Catalogue No. 3306.1
<i>Marriages, New South Wales</i>	Catalogue No. 3305.1
<i>Divorces, New South Wales</i>	Catalogue No. 3304.1
<i>Deaths, New South Wales</i>	Catalogue No. 3307.1
<i>Causes of Death, New South Wales</i>	Catalogue No. 3302.1
<i>Perinatal Deaths, New South Wales</i>	Catalogue No. 3303.1

The following national publications will continue to be released in their present format and will include summary information for States and Territories:

<i>Australian Demographic Statistics (Quarterly)</i>	Catalogue No. 3101.0
<i>Births, Australia</i>	Catalogue No. 3301.0
<i>Marriages, Australia</i>	Catalogue No. 3306.0
<i>Divorces, Australia</i>	Catalogue No. 3307.0
<i>Deaths, Australia</i>	Catalogue No. 3302.0
<i>Causes of Death, Australia</i>	Catalogue No. 3303.0
<i>Perinatal Deaths, Australia</i>	Catalogue No. 3304.0

If vital statistics data are required after the release of the relevant national publication but prior to the release of these NSW publications, please contact Laurie Coleman on (02) 268 4454. Copies of any of the publications mentioned above may be purchased over the counter at the

ABS Bookshop, Level 3, St. Andrew's House, Sydney Square, Sydney

Publications for other States containing statistics corresponding to those included in the NSW publications are available and supply can be arranged on request. Alternatively, clients wishing to receive any publications on a regular basis may use the

ABS Publications Mailing Service (toll-free number 008 02 06 08)

Information on how to use this service may be obtained from any ABS Office. Clients who already use the Publications Mailing Service and who wish to amend their requirements can do so by contacting the ABS Bookshop — please remember to quote your account number.

For any additional details please contact:

Neville Cowley
Manager
Demography
NSW Office
(02) 268 4414

OR

ABS Bookshop
GPO Box 796
Sydney NSW 2001
(02) 268 4620

SUMMARY OF FINDINGS

There were 43,813 deaths of NSW residents registered in Australia during 1990. This represents a crude death rate of 7.5 deaths per 1,000 of the estimated resident population.

Diseases of the circulatory system (including heart attack and stroke) and *malignant neoplasms* (cancer) together accounted for 31,353 deaths or 71.6 per cent of all deaths. The proportion of deaths due to *malignant neoplasms* has doubled in the last fifty years, from 12.1 per cent in 1940 to 24.8 per cent in 1990.

Acquired Immune Deficiency Syndrome (AIDS)

Deaths where AIDS was determined as the underlying cause are included in *Class III Endocrine, nutritional and metabolic diseases and immunity disorders*. There were 195 deaths of NSW residents registered in 1990 where death was directly attributable to AIDS (124 in 1989 and 71 in 1988) and another 121 where AIDS was a condition mentioned on the medical certificate (105 in 1989 and 81 in 1988).

Infant Deaths (deaths under one year)

There were 733 infant deaths registered in 1990 where the usual residence of the mother was in NSW. Of these, 425 were males (a rate of 9.1 deaths per 1,000 live births) and 308 were females (a rate of 7.0 deaths per 1,000 live births).

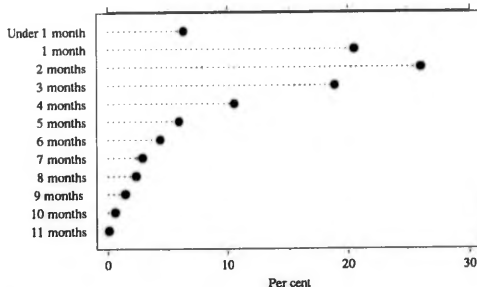
Certain conditions originating in the perinatal period (e.g. prematurity, respiratory conditions of the newborn, congenital infections) accounted for 317 infant deaths, or 43.2 per cent of the total. *Congenital anomalies* were the cause of 171 infant deaths, 23.3 per cent of the total.

Sudden infant death syndrome (cot death)

One in every four infant deaths registered in 1990 (185 deaths) were caused by *sudden infant death syndrome*. The male and female infant death rates from *sudden infant death syndrome* were 2.4 and 1.7 deaths per 1,000 live births respectively. The rate of death for male infants is consistently higher than that of females.

Most deaths due to *sudden infant death syndrome* occur before the age of 6 months, with the most common occurrences in children aged 1 to 3 months. In 1990, 90.8 per cent (168 deaths) of infant deaths due to *sudden infant death syndrome* occurred within the first 6 months of life, and 66.5 per cent (123 deaths) occurred at ages over one month and less than 4 months.

DEATHS DUE TO SUDDEN INFANT DEATH SYNDROME
BY AGE AT DEATH, NSW, 1980 TO 1990 (AVERAGE)

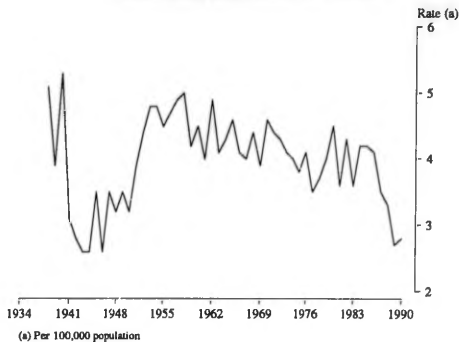


Unlike other causes of infant death, only a small proportion of deaths due to *sudden infant death syndrome* occurs within the first month of life. In 1990, only 4.9 per cent (9 deaths) of deaths from *sudden infant death syndrome* occurred during the first month of life, compared to 92.7 per cent (294 deaths) of deaths from *certain conditions originating in the perinatal period* and 71.9 per cent (123 deaths) of deaths from *congenital anomalies*.

Deaths due to firearms

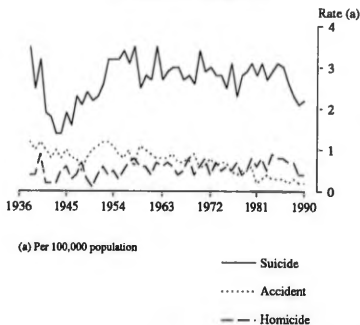
In 1989, the rate of death of NSW residents caused by firearms fell below 3 per 100,000 population for the first time since the 1940's. It remained below that level in 1990, when there were 160 deaths (2.7 deaths per 100,000 population). These deaths represented 6 per cent of all deaths due to external causes (*accidents, poisonings and violence*), which in turn represented 6 per cent of all deaths of NSW residents in 1990.

TOTAL DEATHS DUE TO FIREARMS, NSW



In 1990, 125 firearm deaths (78 per cent) were suicides (120 males and 5 females), 24 (15 per cent) were homicides (17 males and 7 females) and 11 (7 per cent) were accidental deaths (10 males and 1 female). The following graph shows the significant fall in the rate of accidental death from firearms, but large fluctuations in the rates for homicide and suicide.

DEATHS DUE TO FIREARMS, BY CAUSE OF DEATH, NSW

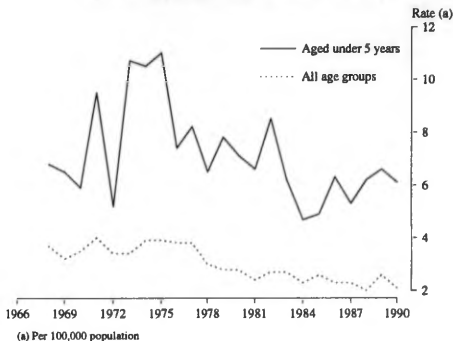


Overall, firearms were the cause of less than 1 per cent of accidental deaths, but accounted for 19 per cent of all suicides and 18 per cent of all homicides. While only 3 per cent of all female suicides were due to firearms, 23 per cent of males chose a firearm as the mode of suicide. In comparison, firearms were the cause of 13 per cent of female homicides and 21 per cent of male homicides.

Deaths due to drowning

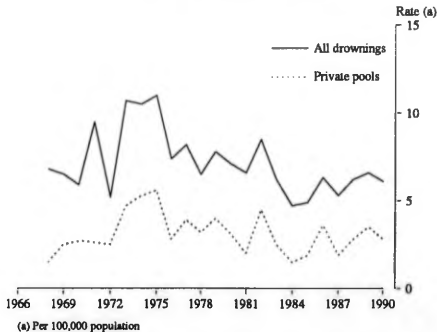
In 1990, there were 123 deaths registered in NSW due to accidental drowning (100 males and 23 females), a rate of 2.1 deaths per 100,000 population. Of these, 26 were aged under 5 years (6.1 deaths per 100,000 population of that age group), including 12 due to 'falling or wandering into' private swimming pools (a rate of 2.8).

DEATHS DUE TO ACCIDENTAL DROWNING, NSW



Since 1968, 300 children aged under 5 years have died in NSW as a result of accidental drowning due to 'falling or wandering into' private swimming pools. These drownings constitute 44 per cent of all accidental drownings of children of that age in this period. Only 12 accidental drownings at these ages occurred during this period 'whilst swimming, paddling or wading' in private swimming pools. Between 1968 and 1990, 20 per cent of all accidental drownings occurred in this age group, although the age group comprises less than 10 per cent of total population.

DEATHS DUE TO ACCIDENTAL DROWNING, CHILDREN AGED UNDER 5 YEARS, NSW



NOTES

This publication contains annual statistics of deaths and causes of death of persons whose usual residence is in New South Wales, supplementing the national publications *Deaths, Australia* (3302.0) and *Causes of Death, Australia* (3303.0). Similar publications are produced by other State Offices.

The statistics on deaths are compiled by the ABS from information contained on the *Form of Information of Death* and the *Medical Certificate of Cause of Death* or an order authorising the disposal of a body. The Form of Information is usually completed by a relative, with the assistance of the funeral director, and furnished to the Registry of Births, Deaths and Marriages within one month following the death, so that registration of the death may be effected. Deaths in New South Wales are registered in accordance with the *Registration of Births, Deaths and Marriages Act 1973*.

Statistics in this publication (except Table 4) relate to deaths registered in the calendar year and may be affected by delays in the registration processes.

Explanatory Notes and definitions are located at the back of this publication.

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TABLE 1. DEATHS: SUMMARY, NSW

Particulars	1976	1981	1986	1988	1989	1990
Deaths—						
Males	23,215	22,099	22,571	23,877	24,170	23,506
Females	18,999	18,015	19,596	20,799	20,890	20,307
Persons	42,214	40,114	42,167	44,676	45,060	43,813
Sex ratio (male deaths per 100 female deaths)	122	123	115	115	116	116
Median age at death (years)—						
Males	68.3	69.5	70.8	71.2	72.2	71.9
Females	75.9	77.0	77.5	78.1	78.9	78.7
Crude death rate (a)—						
Males	9.4	8.5	8.2	8.4	8.4	8.1
Females	7.7	6.9	7.1	7.3	7.2	6.9
Persons	8.5	7.7	7.6	7.8	7.8	7.5
Infant deaths (b)	1,177	840	759	775	744	733
Infant mortality rate (c)	14.9	10.2	9.0	9.2	8.7	8.1

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

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

Age at death (years)	Number			Rate (a)			Proportion (per cent) 1990
	1988	1989	1990	1988	1989	1990	
MALES							
Under 1	439	436	425	10.1	9.9	9.1	1.8
1-4	67	76	86	0.4	0.4	0.5	0.4
5-9	43	45	55	0.2	0.2	0.3	0.2
10-14	68	59	35	0.3	0.3	0.2	0.1
15-19	251	218	232	1.0	0.9	1.0	1.0
20-24	369	318	295	1.7	1.4	1.3	1.3
25-29	386	394	374	1.6	1.6	1.6	1.6
30-34	337	325	343	1.5	1.4	1.4	1.5
35-39	349	397	340	1.6	1.8	1.5	1.4
40-44	492	476	490	2.4	2.2	2.2	2.1
45-49	593	537	604	3.7	3.2	3.4	2.6
50-54	909	821	849	6.5	5.8	5.7	3.6
55-59	1,460	1,312	1,326	10.9	9.9	10.2	5.6
60-64	2,303	2,261	2,161	17.8	17.4	16.5	9.2
65-69	3,050	3,072	2,945	28.8	27.7	26.0	12.5
70-74	3,641	3,526	3,441	47.3	45.9	44.0	14.6
75-79	3,801	3,993	3,812	74.8	74.7	69.1	16.2
80-84	2,844	3,124	3,101	112.2	117.9	111.2	13.2
85 and over	2,469	2,780	2,587	192.8	204.6	184.6	11.0
Total (b)	23,877	24,170	23,506	8.4	8.4	8.1	100.0
FEMALES							
Under 1	336	308	308	8.2	7.4	7.0	1.5
1-4	60	59	58	0.4	0.4	0.3	0.3
5-9	33	27	35	0.2	0.1	0.2	0.2
10-14	29	30	29	0.1	0.1	0.1	0.1
15-19	102	98	89	0.4	0.4	0.4	0.4
20-24	107	100	106	0.5	0.5	0.5	0.5
25-29	115	92	109	0.5	0.4	0.5	0.5
30-34	133	136	122	0.6	0.6	0.5	0.6
35-39	169	162	152	0.8	0.7	0.7	0.7
40-44	254	262	244	1.3	1.3	1.2	1.2
45-49	366	354	336	2.4	2.2	2.0	1.7
50-54	500	437	474	3.7	3.2	3.4	2.3
55-59	743	690	652	5.7	5.4	5.1	3.2
60-64	1,239	1,215	1,054	9.2	9.1	7.9	5.2
65-69	1,756	1,706	1,736	14.6	13.5	13.6	8.5
70-74	2,483	2,349	2,390	25.4	24.3	24.3	11.8
75-79	3,271	3,155	3,213	43.4	40.0	40.0	15.8
80-84	3,534	3,666	3,412	76.3	76.4	67.7	16.8
85 and over	5,568	6,043	5,788	155.6	163.1	154.0	28.5
Total (b)	20,799	20,890	20,307	7.3	7.2	6.9	100.0

(a) Deaths per 1,000 of the estimated mid-year population for each age-group other than age under 1 year; deaths per 1,000 live births for age under 1 year; deaths per 1,000 of mean resident population for total all ages. (b) Totals include age not stated.

TABLE 3. INFANT DEATHS (a) AND DEATH RATES: AGE AT DEATH BY SEX, NSW, 1990

Age at death	Number			Infant death rate (b)		
	Males	Females	Persons	Males	Females	Persons
Under 1 day	147	107	254	3.1	2.4	2.8
1 day and under 7 days	58	51	109	1.2	1.2	1.2
1 week and under 4 weeks	49	24	73	1.0	0.5	0.8
Total under 1 month	254	182	436	5.4	4.2	4.8
1 month and under 12 months	171	126	297	3.7	2.9	3.3
Total under 1 year	425	308	733	9.1	7.0	8.1

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

TABLE 4. DEATHS: MONTH AND YEAR OF OCCURRENCE (a), NSW

Month of occurrence	Year of occurrence					
	1985	1986	1987	1988	1989	1990
January	3,188	3,048	3,369	3,292	3,351	3,267
February	2,657	2,748	3,009	3,116	3,004	2,979
March	3,171	3,237	3,489	3,409	3,290	3,302
April	3,372	3,138	3,344	3,378	3,429	3,287
May	3,714	3,477	3,662	3,753	3,739	3,733
June	4,260	3,889	3,776	4,012	4,248	3,803
July	4,787	4,109	4,170	4,339	4,703	4,323
August	4,283	4,000	4,125	4,102	4,889	4,089
September	3,724	3,592	4,016	3,689	4,609	3,734
October	3,491	3,574	3,685	3,612	3,912	3,755
November	3,307	3,357	3,370	3,313	3,305	3,361
December	3,488	3,402	3,435	3,448	3,419	3,387
Total	43,442	41,571	43,450	43,463	45,898	43,020

(a) Figures in this table relate to deaths that occur in each month of the above 6 years and were registered up to 30 June 1991. They are subject to minor revision due to registrations after that date.

TABLE 5. DEATHS: STATE OR TERRITORY OF USUAL RESIDENCE AND STATE OR TERRITORY OF REGISTRATION, 1990

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

TABLE 6. EXPECTATION OF LIFE, NSW

Expectation of life at exact age (years) (a)	1975	1980	1988	1989	1990
MALES					
0	69.06	70.58	72.56	72.97	73.4 ¹
1	69.32	70.50	72.29	72.70	73.08
10	60.64	61.80	63.47	63.89	64.31
20	51.13	52.25	53.85	54.23	54.62
30	41.84	43.02	44.66	44.96	45.35
40	32.45	33.60	35.27	35.61	35.96
50	23.70	24.71	26.19	26.45	26.83
60	16.21	16.89	18.04	18.12	18.57
65	13.00	13.51	14.48	14.53	14.94
70	10.21	10.62	11.35	11.32	11.68
80	5.99	6.20	6.55	6.37	6.63
FEMALES					
0	76.09	77.84	78.92	79.45	79.79
1	76.06	77.53	78.56	79.03	79.36
10	67.33	68.74	69.73	70.19	70.53
20	57.55	58.95	59.92	60.37	60.70
30	47.85	49.24	50.19	50.62	50.96
40	38.32	39.61	40.50	40.92	41.25
50	29.22	30.39	31.15	31.53	31.81
60	20.73	21.76	22.38	22.66	22.94
65	16.87	17.78	18.31	18.57	18.78
70	13.37	14.07	14.51	14.73	14.92
80	7.60	7.88	8.22	8.25	8.44

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

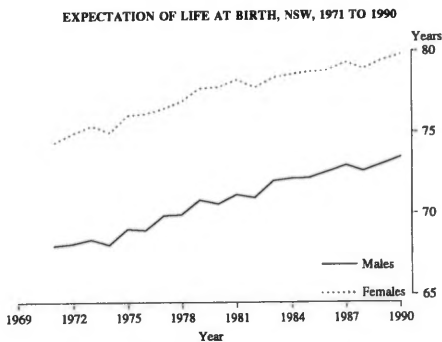


TABLE 7. DEATHS: NUMBERS AND RATES BY STATISTICAL LOCAL AREA OF USUAL RESIDENCE,
NSW, 1998

Statistical area	Number	Rate(a)	Statistical area	Number	Rate(a)
SYDNEY (SD)	26,306	7.2	Hunter SD Balance (SSD)	656	7.8
Inner Sydney (SSD)	2,493	9.5	Dungog (S)	63	8.5
Botany (M)	267	7.6	Gloucester (S)	53	11.4
Leichhardt (M)	571	9.8	Great Lakes (S)	12	5.0
Marrickville (M)	707	8.4	Merrivale (S)	24	10.4
South Sydney (C)	852	11.6	Murrumbidgee (S)	88	5.7
Sydney (C)	96	9.7	Muswellbrook (S)	83	8.4
Eastern Suburbs (SSD)	2,066	8.8	Scone (S)	104	5.7
Randwick (C)	1,002	8.4	Singleton (S)		
Waverley (M)	559	9.1	ILLAWARRA (SD)	2,488	7.4
Woollahra (M)	505	9.4	Wollongong (SSD)	1,641	6.9
St George — Sutherland (SSI)	2,951	7.5	Kiama (M)	142	9.0
Hurstville (C)	594	9.0	Shellharbour (M)	222	4.7
Kogarah (M)	392	8.2	Wollongong (C)	1,277	7.3
Rockdale (M)	862	9.8	Wollongong (C)	847	8.5
Sutherland (S)	1,103	5.8	Illawarra SD Balance (SSD)	597	9.0
Canterbury — Bankstown (SSD)	2,115	7.2	Shoalhaven (C)	250	7.5
Bankstown (C)	1,160	7.3	Wingecarribee (S)		
Canterbury (C)	955	7.1	RICHMOND — TWEED (SD)	1,422	8.1
Fairfield — Liverpool (SSD)	1,428	5.1	Tweed Heads (SSD)	305	9.7
Fairfield (C)	844	4.7	Tweed (S) Pt A	305	9.7
Liverpool (C)	584	5.8	Richmond — Tweed SD Balance (SSD)	1,117	7.8
Outer South Western Sydney (SSD)	771	3.9	Ballina (S)	226	7.7
Camden (M)	140	6.4	Byron (S)	179	8.2
Campbelltown (C)	498	3.5	Casino (M)	132	11.9
Wollondilly (S)	133	4.4	Kyogle (S)	62	6.2
Inner Western Sydney (SSD)	1,679	11.0	Lismore (C)	295	7.3
Ashfield (M)	541	13.2	Richmond River (S)	55	6.7
Burwood (M)	343	11.6	Tweed (S) Pt B	168	7.5
Concord (M)	208	8.9			
Drummoyne (M)	274	8.6	MID-NORTH COAST (SD)	2,024	8.7
Strathfield (M)	313	11.8	Clarence (SSD)	1,021	8.4
Central Western Sydney (SSD)	2,010	7.5	Bellingen (S)	93	8.3
Auburn (M)	377	7.5	Coffs Harbour (C)	360	7.2
Holroyd (M)	621	7.5	Copmanshulst (S)	23	4.9
Parramatta (C)	1,012	7.5	Grafton (C)	197	12.5
Outer Western Sydney (SSD)	1,359	4.9	Maclean (S)	139	10.8
Blue Mountains (C)	535	7.4	Nambucca (S)	169	9.9
Hawkesbury (C)	222	4.3	Nymboida (S)	7	1.9
Penrith (C)	602	3.9	Ullmarra (S)	33	6.0
Blacktown — Baulkham Hills (SSD)	1,556	4.6	Hastings (SSD)	1,003	8.9
Baulkham Hills (S)	533	4.5	Greater Taree (C)	324	8.1
Blacktown (C)	1,023	4.7	Hastings (M)	443	9.3
Lower Northern Sydney (SSD)	2,251	8.3	Kempsey (S)	233	9.3
Hunter's Hill (M)	158	12.3	Lord Howe Island	3	9.5
Lane Cove (M)	265	8.8			
Mosman (M)	246	9.1	NORTHERN (SD)	1,428	7.8
North Sydney (M)	383	7.1	Northern Slopes (SSD)	645	7.6
Ryde (M)	733	7.7	Barraba (S)	30	12.2
Willoughby (C)	466	8.6	Bungara (S)	29	12.3
Hornsby — Ku-ring-gai (SSD)	1,662	7.1	Gunnedah (S)	95	6.9
Hornsby (S)	887	6.8	Ivanhoe (S) Pt A	25	5.4
Ku-ring-gai (M)	775	7.4	Manilla (S)	20	5.7
Manly — Warringah (SSD)	1,765	8.0	Mundell (S)	10	6.7
Manly (M)	356	9.6	Parry (S)	63	5.2
Warringah (S)	1,409	7.7	Quirindi (S)	57	10.3
Gosford — Wyong (SSD)	2,200	9.4	Temworth (C)	290	8.3
Gosford (C)	1,166	8.9	Yallandi (S)	26	6.9
Wyong (S)	1,034	10.1	Northern Tablelands (SSD)	537	8.0
			Armidale (C)	149	6.8
HUNTER (SD)	4,275	8.3	Dumaresq (S)	8	2.1
Newcastle (SSD)	3,619	8.4	Glen Innes (M)	55	9.0
Cessnock (C)	409	9.2	Guyra (S)	57	11.4
Lake Macquarie (C)	1,313	8.1	Inverell (S) Pt B	123	10.9
Maitland (C)	293	6.1	Severn (S)	16	5.0
Newcastle (C)	1,306	10.0	Tenterfield (S)	61	9.4
Port Stephens (S)	298	6.8			

See footnotes at end of table.

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

Statistical area	Number	Rate(a)	Statistical area	Number	Rate(a)
Urания (S)	36	5.9	Tallaganda (S)	22	8.6
Walcha (S)	32	9.4	Yarrowlumla (S)	24	3.0
North Central Plain (SSD)	246	7.7	Yass (S)	65	7.4
Moree Plains (S)	119	7.1	Young (S)	134	12.2
Narrabri (S)	127	8.3	Lower South Coast (SSD)	422	8.1
NORTH WESTERN (SD)	944	8.3	Bega Valley (S)	181	6.9
Central Macquarie (SSD)	671	8.3	Eurobodalla (S)	241	9.5
Coolah (S)	31	7.1	Snowy (SSD)	143	7.8
Coonabarabran (S)	58	8.0	Bombala (S)	38	12.7
Dubbo (C)	236	7.2	Cooma-Monaro (S)	87	9.1
Gilgandra (S)	38	7.7	Snowy River (S)	18	3.1
Mudgee (S)	157	9.6	MURRUMBIDGEE (SD)	1,091	7.5
Narromine (S)	39	6.0	Central Murrumbidgee (SSD)	795	7.8
Wellington (S)	112	12.5	Coolamon (S)	36	9.4
Macquarie—Barwon (SSD)	175	8.9	Cootamundra (S)	85	11.0
Bogan (S)	24	7.1	Gundagai (S)	29	7.5
Coonamble (S)	56	10.4	Junee (S)	29	5.6
Walgett (S)	59	7.9	Lockhart (S)	26	7.1
Warren (S)	36	10.4	Narrandera (S)	73	10.3
Upper Darling (SSD)	98	8.0	Ternora (S)	57	9.2
Bourke (S)	43	10.2	Tumut (S)	101	8.3
Brewarrina (S)	18	8.3	Wagga Wagga (C)	359	6.8
Cobar (S)	37	6.3	Lower Murrumbidgee (SSD)	296	7.0
CENTRAL WEST (SD)	1,432	8.6	Carrathool (S)	23	7.1
Bathurst—Orange (SSD)	548	8.1	Griffith (C)	146	6.7
Bathurst (C)	212	7.8	Hay (S)	23	6.1
Blayney (S) Pt A	36	8.2	Leeton (S)	96	8.6
Cabonne (S) Pt A	5	2.8	Murrumbidgee (S)	8	3.3
Evans (S) Pt A	3	2.9	MURRAY (SD)	797	7.3
Orange (C)	292	8.7	Albury (SSD)	325	6.8
Central Tablelands			Albury (C)	304	7.4
(excl. Bathurst—Orange) (SSD)	276	8.1	Hume (S)	21	3.2
Blayney (S) Pt B	12	7.1	Upper Murray (excl. Albury) (SSD)	168	8.0
Cabonne (S) Pt B	—	—	Corowa (S)	61	7.7
Evans (S) Pt B	27	7.0	Culcairn (S)	44	9.6
Greater Lithgow (C)	184	9.3	Holbrook (S)	19	7.1
Oberon (S)	19	4.5	Tumbarumba (S)	27	6.8
Rylstone (S)	34	8.9	Urana (S)	17	9.8
Lachlan (SSD)	608	9.4	Central Murray (SSD)	232	7.7
Bland (S)	61	8.7	Berrigan (S)	58	7.3
Cabonne (S) Pt C	92	10.0	Conargo (S)	4	2.2
Cowra (S)	84	7.1	Deniliquin (M)	72	8.8
Forbes (S)	109	10.0	Jerilderie (S)	14	7.2
Lachlan (S)	76	9.7	Murray (S)	42	8.4
Parkes (S)	140	9.9	Wakool (S)	38	8.1
Weddin (S)	46	11.4	Windouran (S)	4	8.1
SOUTH EASTERN (SD)	1,322	7.9	Murray—Darling (SSD)	72	6.8
Queanbeyan (SSD)	144	5.5	Balnald (S)	19	6.5
Queanbeyan (C)	144	5.5	Wentworth (S)	53	6.9
Southern Tablelands			FAR WEST (SD)	284	10.9
(excl. Queanbeyan) (SSD)	613	8.7	Broken Hill (C)	251	11.4
Boorowa (S)	23	9.2	Central Darling (S)	30	9.5
Crookwell (S)	44	10.3	Unincorporated Far West	3	3.3
Goulburn (C)	205	9.5	NEW SOUTH WALES	43,813	7.5
Gunning (S)	21	9.9			
Harden (S)	44	11.3			
Mulwaree (S)	31	5.6			

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

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

Particulars	Heart disease	Malignant neoplasms (cancer)	Cerebrovascular disease (incl. stroke)	Respiratory system diseases	Motor vehicle traffic accidents	Suicide	All causes
Numbers—							
Males	7,477	6,207	1,882	1,939	578	532	23,506
Females	6,820	4,661	2,937	1,226	243	143	20,307
Persons	14,297	10,868	4,819	3,165	821	675	43,813
Proportions by sex (%)—							
Males	52.3	57.1	39.1	61.3	70.4	78.8	53.7
Females	47.7	42.9	60.9	38.7	29.6	21.2	46.3
Persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Proportions by cause of death (%)—							
Males	31.8	26.4	8.0	8.2	2.5	2.3	100.0
Females	33.6	23.0	14.5	6.0	1.2	0.7	100.0
Persons	32.6	24.8	11.0	7.2	1.9	1.5	100.0
Crude death rates (b)—							
Males	2.6	2.1	0.6	0.7	0.2	0.2	8.1
Females	2.3	1.6	1.0	0.4	0.1	0.0	6.9
Persons	2.5	1.9	0.8	0.5	0.1	0.1	7.5
Standardised death rates (c)—							
New South Wales	223.8	172.9	74.8	49.6	14.1	11.4	693.0
Australia	211.1	171.9	66.0	49.8	14.5	12.5	668.9

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

SELECTED CAUSES OF DEATH, NSW, 1990

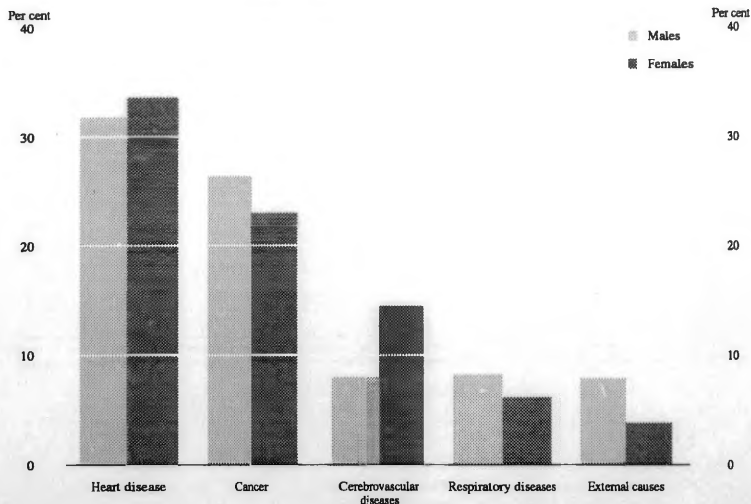


TABLE 9. DEATHS: LEADING CAUSES (a) BY STATISTICAL DIVISION OF USUAL RESIDENCE, NUMBERS, PROPORTIONS AND RATES, NSW, 1990

Statistical division	Heart disease	Malignant neoplasms (cancer)	Cerebro-vascular disease (incl. stroke)	Respiratory system diseases	Motor vehicle traffic accidents	Suicide	All causes
Sydney	8,451	6,453	3,064	1,893	453	412	26,306
Hunter	1,408	1,134	437	292	77	54	4,275
Illawarra	853	703	263	171	32	32	2,488
Richmond — Tweed	487	371	146	100	27	25	1,422
Mid-North Coast	659	499	204	159	48	25	2,024
Northern	474	314	129	121	44	24	1,428
North Western	328	226	83	68	28	11	944
Central West	477	331	154	111	32	21	1,322
South Eastern	450	299	140	106	31	30	1,091
Murrumbidgee	349	274	100	72	25	12	797
Murray	256	205	74	48	22	6	797
Far West	105	59	25	24	2	6	284
New South Wales	14,297	10,868	4,819	3,165	821	675	43,813
PROPORTION (per cent)							
Sydney	32.1	24.5	11.6	7.2	1.7	1.6	100.0
Hunter	32.9	26.5	10.2	6.8	1.8	1.3	100.0
Illawarra	34.3	28.3	10.6	6.9	1.3	1.3	100.0
Richmond — Tweed	34.2	26.1	10.3	7.0	1.9	1.8	100.0
Mid-North Coast	32.6	24.7	10.1	7.9	2.4	1.2	100.0
Northern	33.2	22.0	9.0	8.5	3.1	1.7	100.0
North Western	34.7	23.9	8.8	7.2	3.0	1.2	100.0
Central West	33.3	23.1	10.8	7.8	2.2	1.6	100.0
South Eastern	34.0	22.6	10.6	8.0	2.4	1.6	100.0
Murrumbidgee	32.0	25.1	9.2	6.6	2.3	2.7	100.0
Murray	32.1	25.7	9.3	6.0	2.8	1.5	100.0
Far West	37.0	20.8	8.8	8.5	0.7	2.1	100.0
New South Wales	32.6	24.8	11.0	7.2	1.9	1.5	100.0
RATE (b)							
Sydney	2.3	1.8	0.8	0.5	0.1	0.1	7.2
Hunter	2.7	2.2	0.9	0.6	0.2	0.1	8.3
Illawarra	2.5	2.1	0.8	0.5	0.1	0.1	7.4
Richmond — Tweed	2.8	2.1	0.8	0.6	0.2	0.1	8.1
Mid-North Coast	2.8	2.1	0.9	0.7	0.2	0.1	8.7
Northern	2.6	1.7	0.7	0.7	0.2	0.1	7.8
North Western	2.9	2.0	0.7	0.6	0.2	0.1	8.3
Central West	2.9	2.0	0.9	0.7	0.2	0.1	8.6
South Eastern	2.7	1.8	0.8	0.6	0.2	0.1	7.9
Murrumbidgee	2.4	1.9	0.7	0.5	0.2	0.2	7.5
Murray	2.3	1.9	0.7	0.4	0.2	0.1	7.3
Far West	4.0	2.3	1.0	0.9	0.1	0.2	10.9
New South Wales	2.5	1.9	0.8	0.5	0.1	0.1	7.5

(a) Comprising the following: Heart disease (ICD codes 393-398, 402, 404, 410-414, 415, 416, 420-429); Cancer (ICD codes 140-208); Cerebrovascular disease (ICD codes 430-438); Respiratory system diseases (ICD codes 460-519); Motor vehicle traffic accidents (ICD codes E810-E819); Suicide (ICD codes E950-E959). (b) Numbers of deaths per 1,000 of estimated population. These crude death rates do not take account of the differing age and sex distributions that exist in various areas. For example, areas with a high proportion of aged persons are likely to show higher crude death rates while areas with a relatively younger population will usually show lower death rates.

TABLE 10. DEATHS: CAUSE BY SEX, NSW

Cause of death and ICD code (Classes and selected categories)	1988		1989		1990	
	Males	Females	Males	Females	Males	Females
<i>Class I Infectious and parasitic diseases (001-139)</i>	193	117	186	155	200	151
<i>Class II Neoplasms (140-239)</i>	6,138	4,794	6,160	4,591	6,243	4,714
Malignant neoplasms (cancer) (140-208)	6,085	4,719	6,117	4,544	6,207	4,661
Lip, oral cavity and pharynx (140-149)	174	68	153	55	183	55
Stomach (151)	307	185	256	173	265	168
Colon (153)	576	546	556	505	582	530
Pancreas (157)	252	215	270	261	264	235
Other digestive organs and peritoneum	546	435	566	384	583	360
(150, 152, 154-156, 158, 159)	1,763	601	1,791	599	1,704	601
Respiratory and intrathoracic organs (160-165)	190	117	182	109	211	105
Melanoma of skin (172)	9	855	4	870	4	886
Breast (174, 175)	996	709	1,033	643	1,126	701
Genitourinary organs (179-189)	701	517	714	550	708	569
Other and unspecified sites (170-171, 173, 190-199)	571	471	592	395	577	451
Lymphatic and haematopoietic tissue (200-208)						
<i>Class III Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)</i>	460	432	557	423	671	446
Diabetes mellitus (250)	283	315	305	305	353	343
<i>Class IV Diseases of blood and blood-forming organs (280-289)</i>	76	88	89	97	98	103
<i>Class V Mental disorders (290-319)</i>	316	339	368	372	387	366
<i>Class VI Diseases of the nervous system and sense organs (320-389)</i>	369	368	436	384	331	373
<i>Class VII Diseases of the circulatory system (390-459)</i>	10,617	10,839	10,453	10,799	10,079	10,406
All heart disease (393-398, 402, 404, 410-414, 415, 416, 420-429)	7,922	7,080	7,751	7,051	7,477	6,820
Hypertensive disease (401-405)	169	279	146	273	150	264
Acute myocardial infarction (410)	4,742	3,697	4,454	3,550	4,324	3,505
Other ischaemic heart disease (411-414)	1,986	1,726	2,099	1,811	2,030	1,738
Diseases of pulmonary circulation and other forms of heart disease (415-429)	1,065	1,413	1,074	1,420	991	1,351
Cerebrovascular disease (incl. stroke) (430-438)	1,990	3,026	1,985	3,039	1,882	2,937
Other diseases of circulatory system (390-392, 440-459)	607	598	635	597	643	534
<i>Class VIII Diseases of the respiratory system (460-519)</i>	1,998	1,236	2,262	1,563	1,939	1,226
Pneumonia and influenza (480-487)	233	272	334	371	222	235
Chronic obstructive pulmonary disease and allied conditions (490-496)	1,569	800	1,701	980	1,470	810
<i>Class IX Diseases of the digestive system (520-579)</i>	802	711	786	669	797	707
Ulcer of stomach and duodenum (531-533)	145	155	149	128	143	148
Chronic liver disease and cirrhosis (571)	333	121	286	108	334	127
<i>Class X Diseases of the genitourinary system (580-629)</i>	304	414	310	401	299	433
Nephritis, nephrotic syndrome and nephrosis (580-589)	203	303	223	305	204	308
<i>Class XI Complications of pregnancy, childbirth and the puerperium (630-676)</i>	—	4	—	5	—	6
<i>Class XII Diseases of the skin and subcutaneous tissue (680-709)</i>	16	45	24	41	27	41
<i>Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)</i>	84	163	78	160	85	158
<i>Class XIV Congenital anomalies (740-759)</i>	161	133	151	130	150	138
<i>Class XV Certain conditions originating in the perinatal period (760-779)</i>	196	135	198	141	189	128
<i>Class XVI Symptoms, signs and ill-defined conditions (780-799)</i>	161	118	187	123	174	132
<i>Class XVII Accidents, poisonings and violence (external causes) (E800-E995)</i>	1,986	863	1,925	836	1,837	779
Motor vehicle traffic accidents (E810-E819)	698	300	655	265	578	243
Accidental drowning and submersion (E910)	73	26	90	29	76	14
Suicide (E950-E959)	569	161	546	135	532	143
All causes	23,877	20,799	24,170	20,890	23,506	20,307

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

Cause of death and ICD code (Classes and selected categories)	Sex	Age group (years)										Total
		Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
Class I Infectious and parasitic diseases (001-139)	M	5	4	7	48	17	18	29	27	20	25	200
	F	4	7	1	9	7	7	28	22	22	44	151
Class II Neoplasms (140-239)	M	1	26	36	232	432	1,318	2,100	1,016	664	418	6,243
	F	2	14	21	268	445	804	1,372	693	537	558	4,714
Malignant neoplasms (cancer) (140-208)	M	1	23	36	232	432	1,314	2,086	1,008	661	414	6,207
	F	2	14	20	266	442	798	1,361	684	529	545	4,661
Lip, oral cavity and pharynx (140-149)	M	—	1	1	6	22	64	54	16	13	6	183
	F	—	—	—	2	7	11	20	9	3	3	55
Stomach (151)	M	—	—	—	5	19	62	86	43	32	18	265
	F	—	—	—	4	9	28	46	28	17	36	168
Colon (153)	M	—	—	1	16	41	125	192	106	66	35	582
	F	—	—	1	10	52	94	154	74	58	87	530
Pancreas (157)	M	—	—	—	5	27	67	84	41	25	15	264
	F	—	—	—	3	11	47	70	40	33	31	235
Other digestive organs and peritoneum (150, 152, 154-156, 158, 159)	M	—	—	—	12	57	128	214	83	53	36	583
	F	—	—	—	9	26	52	99	62	60	52	360
Respiratory and intrathoracic organs (160-165)	M	—	—	1	21	109	435	636	277	162	63	1,704
	F	—	1	—	19	43	125	226	98	62	27	601
Melanoma of skin (172)	M	—	—	—	25	27	50	64	20	17	8	211
	F	—	—	1	18	10	15	28	13	8	12	105
Breast (174, 175)	M	—	—	—	—	—	—	3	—	—	1	4
	F	—	—	—	94	156	167	232	106	64	67	886
Genitourinary organs (179-189)	M	—	1	1	17	35	114	371	256	174	157	1,126
	F	—	—	—	2	53	66	115	200	98	81	86
Other and unspecified sites (170-171, 173, 190-199)	M	—	10	12	59	55	169	216	80	61	46	708
	F	—	8	9	35	40	83	150	84	70	90	569
Lymphatic and haematopoietic tissue (200-208)	M	1	11	20	66	40	100	166	86	58	29	577
	F	2	5	7	19	22	61	136	72	73	54	451
Class III Endocrine, nutritional and metabolic diseases and immunity disorders (240-279)	M	3	8	9	147	78	89	147	79	66	45	671
	F	1	7	6	12	10	36	94	84	68	128	446
Diabetes mellitus (250)	M	—	—	2	13	17	58	115	65	50	33	353
	F	—	—	2	6	7	25	68	73	57	105	343
Class IV Diseases of blood and blood-forming organs (280-289)	M	—	3	2	5	6	11	22	20	11	18	98
	F	—	—	1	5	3	7	15	19	20	33	103
Class V Mental disorders (290-319)	M	—	—	31	122	15	28	46	34	44	67	387
	F	—	—	17	34	6	8	32	34	54	181	366
Class VI Diseases of the nervous system and sense organs (320-389)	M	4	9	15	20	21	29	77	56	53	47	331
	F	7	8	8	14	19	23	59	59	75	101	373

TABLE 11. DEATHS: CAUSE BY SEX AND AGE GROUP, NSW, 1990—continued

Cause of death and ICD code (Classes and selected categories)		Sex	Age group (years)										Total
			Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
Class VII	Diseases of the circulatory system (390-459)	M	1	4	16	209	520	1,394	2,934	1,930	1,634	1,437	10,079
		F	4	6	9	71	160	531	1,845	1,807	2,140	3,833	10,406
	All heart disease (393-398, 402, 404, 410-414, 415, 416, 420-429)	M	1	3	9	177	430	1,145	2,245	1,377	1,114	976	7,477
		F	2	3	5	43	106	387	1,370	1,196	1,390	2,318	6,820
	Hypertensive disease (401-405)	M	—	—	—	4	11	13	39	29	32	22	150
		F	—	—	—	1	4	12	41	40	56	110	264
	Acute myocardial infarction (410)	M	—	—	2	80	262	734	1,387	808	596	455	4,324
		F	—	—	—	18	57	236	851	670	714	959	3,505
	Other ischaemic heart disease (411-414)	M	—	—	—	45	98	295	607	378	317	290	2,050
		F	—	—	—	6	21	91	324	283	356	657	1,738
	Diseases of pulmonary circulation and other forms of heart disease (415-429)	M	1	3	6	43	57	95	216	173	178	219	991
		F	2	3	4	16	23	46	150	203	270	634	1,351
	Cerebrovascular disease (incl. stroke) (430-438)	M	—	1	5	30	69	173	470	401	385	348	1,882
		F	—	2	3	25	47	114	362	515	629	1,240	2,937
Other diseases of circulatory system (390-392, 440-459)	M	—	—	2	2	16	7	197	137	119	99	643	
	F	2	1	1	3	6	21	93	75	105	227	534	
Class VIII	Diseases of the respiratory system (460-519)	M	5	7	12	35	55	215	590	388	358	273	1,939
		F	2	7	6	23	42	111	313	218	188	316	1,226
	Pneumonia and influenza (480-487)	M	4	1	2	8	13	26	54	25	33	56	222
		F	1	3	—	4	5	12	35	29	32	114	235
	Chronic obstructive pulmonary disease and allied conditions (490-496)	M	—	5	7	22	31	172	466	314	280	172	1,470
		F	—	2	6	18	29	93	251	165	114	152	810
Class IX	Diseases of the digestive system (520-579)	M	2	3	—	71	101	149	191	97	94	88	797
		F	—	1	1	18	38	62	138	99	121	229	707
	Ulcer of stomach and duodenum (531-533)	M	—	—	—	2	5	20	40	20	27	28	143
		F	—	—	—	—	3	9	23	22	32	59	148
	Chronic liver disease and cirrhosis (571)	M	1	—	—	57	81	91	81	15	4	4	334
		F	—	—	—	12	20	30	44	13	6	2	127
Class X	Diseases of the genitourinary system (580-629)	M	—	—	1	7	7	20	48	67	77	72	299
		F	—	1	2	3	11	33	83	77	73	150	433
	Nephritis, nephrotic syndrome and nephrosis (580-589)	M	—	—	1	7	4	8	25	50	55	54	204
		F	—	1	1	2	11	27	55	55	50	106	308
Class XI	Complications of pregnancy, childbirth and the puerperium (630-676)	F	—	—	3	3	—	—	—	—	—	6	

TABLE 11. DEATHS: CAUSE BY SEX AND AGE GROUP, NSW, 1990—continued

Cause of death and ICD code (Classes and selected categories)	Sex	Age group (years)										Total
		Under 1	1-14	15-24	25-44	45-54	55-64	65-74	75-79	80-84	85 and over	
Class XII Diseases of the skin and subcutaneous tissue (680-709)	M	—	—	—	1	—	1	3	7	5	10	27
	F	—	—	—	—	—	—	4	6	7	24	41
Class XIII Diseases of the musculoskeletal system and connective tissue (710-739)	M	—	—	—	3	5	15	24	19	9	10	85
	F	—	—	1	6	3	8	28	34	28	50	158
Class XIV Congenital anomalies (740-759)	M	93	15	8	9	3	3	14	3	—	2	150
	F	78	25	6	9	4	5	6	1	4	—	138
Class XV Certain conditions originating in the perinatal period (760-779)	M	189	—	—	—	—	—	—	—	—	—	189
	F	128	—	—	—	—	—	—	—	—	—	128
Class XVI Symptoms, signs and ill-defined conditions (780-799)	M	117	5	6	14	7	7	7	2	2	6	174
	F	74	4	5	8	3	4	7	2	6	19	132
Class XVII Accidents, poisonings and violence (external causes) (E800-E999)	M	5	92	384	624	186	190	154	67	64	69	1,837
	F	8	42	108	144	59	67	102	58	69	122	779
Motor vehicle traffic accidents (E810-E819)	M	1	38	194	177	59	32	40	22	11	4	578
	F	2	24	61	41	24	25	37	14	11	4	243
Accidental drowning and submersion (E910)	M	—	22	10	24	4	7	3	3	2	—	76
	F	1	5	1	2	—	2	2	1	—	—	14
Suicide (E950-E959)	M	—	3	98	227	65	59	50	10	12	8	532
	F	—	—	22	55	15	19	18	6	3	5	143
All causes	M	425	176	527	1,547	1,453	3,487	6,386	3,812	3,101	2,587	23,506
	F	308	122	195	627	810	1,706	4,126	3,213	3,412	5,788	28,307

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

Age group, cause of death and ICD code	1990		Rate(a)		
	Number	Proportion (b) %	1988	1989	1990
MALES—					
<i>Under 1 year—</i>					
All causes	425	100.0	10.1	9.9	9.1
<i>Certain conditions originating in the perinatal period (760-779)</i>	189	44.5	4.5	4.5	4.0
<i>Hypoxia, birth asphyxia and other respiratory conditions (768-770)</i>	95	22.4	2.4	2.5	2.0
<i>Symptoms, signs and ill-defined conditions (780-799)</i>	117	27.5	2.6	2.6	2.5
<i>Sudden death, cause unknown (798)</i>	112	26.4	2.6	2.6	2.4
<i>Congenital anomalies (740-759)</i>	93	21.9	2.3	2.0	2.0
<i>1-14 years—</i>					
All causes	176	100.0	29.7	29.9	29.2
<i>Accidents, poisonings and violence (E800-E999)</i>	92	52.3	16.0	16.8	15.2
<i>Motor vehicle traffic accidents (E810-E819)</i>	38	21.6	9.0	7.5	6.3
<i>Accidents caused by submersion, suffocation and foreign bodies (E910-E915)</i>	25	14.2	4.2	3.8	4.1
<i>Malignant neoplasms (cancer) (140-208)</i>	23	13.1	4.2	3.2	3.8
<i>15-24 years—</i>					
All causes	527	100.0	134.0	116.1	114.3
<i>Accidents, poisonings and violence (E800-E999)</i>	384	72.9	104.0	91.9	83.3
<i>Motor vehicle traffic accidents (E810-E819)</i>	174	32.8	49.9	47.4	42.0
<i>Suicide (E950-E959)</i>	98	18.6	26.8	21.7	21.3
<i>25-44 years—</i>					
All causes	1,547	100.0	174.3	174.6	167.9
<i>Accidents, poisonings and violence (E800-E999)</i>	624	40.3	76.4	77.3	67.7
<i>Suicide (E950-E959)</i>	227	14.7	26.0	27.9	24.6
<i>Motor vehicle traffic accidents (E810-E819)</i>	177	11.5	26.5	26.1	19.2
<i>Diseases of the circulatory system (390-459)</i>	209	13.5	29.5	25.3	22.7
<i>Malignant neoplasms (cancer) (140-208)</i>	232	15.0	26.5	26.9	25.2
<i>45-54 years—</i>					
All causes	1,453	100.0	499.9	435.4	449.6
<i>Diseases of the circulatory system (390-459)</i>	520	35.8	194.0	152.6	160.9
<i>Acute myocardial infarction (410)</i>	262	18.0	110.2	82.1	81.1
<i>Malignant neoplasms (cancer) (140-208)</i>	432	29.7	162.4	151.0	133.7
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	109	7.5	43.6	39.8	33.7
<i>Accidents, poisonings and violence (E800-E999)</i>	186	12.8	57.9	51.9	57.6
<i>55-64 years—</i>					
All causes	3,487	100.0	1,427.9	1,362.0	1,339.5
<i>Diseases of the circulatory system (390-459)</i>	1,394	40.0	622.3	568.7	535.5
<i>Acute myocardial infarction (410)</i>	734	21.0	334.3	292.4	282.0
<i>Malignant neoplasms (cancer) (140-208)</i>	1,314	37.7	495.6	464.9	404.8
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	435	12.5	171.5	165.4	167.1
<i>65-74 years—</i>					
All causes	6,386	100.0	3,656.6	3,516.4	3,336.7
<i>Diseases of the circulatory system (390-459)</i>	2,934	45.9	1,795.2	1,648.4	1,533.0
<i>Acute myocardial infarction (410)</i>	1,387	21.7	867.8	778.1	724.7
<i>Malignant neoplasms (cancer) (140-208)</i>	2,086	32.7	1,118.7	1,076.5	1,089.9
<i>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</i>	636	10.0	372.7	376.3	332.3
<i>75 years and over—</i>					
All causes	9,500	100.0	10,245.6	10,583.3	9,789.4
<i>Diseases of the circulatory system (390-459)</i>	5,001	52.6	5,417.3	5,489.0	5,153.3
<i>Acute myocardial infarction (410)</i>	1,859	19.6	2,044.9	2,014.7	1,915.6
<i>Cerebrovascular disease (incl. stroke) (430-438)</i>	1,134	11.9	1,346.7	1,244.7	1,168.5
<i>Other ischaemic heart disease (411-414)</i>	985	10.4	925.2	1,088.6	1,015.0
<i>Malignant neoplasms (cancer) (140-208)</i>	2,083	21.9	2,193.2	2,200.7	2,146.4
<i>Diseases of the respiratory system (460-519)</i>	1,019	10.7	1,154.5	1,297.1	1,050.0
<i>Total all ages—</i>					
All causes	23,506	100.0	840.2	840.6	809.6
<i>Diseases of the circulatory system (390-459)</i>	10,079	42.9	373.6	363.5	347.1
<i>Acute myocardial infarction (410)</i>	4,324	18.4	166.9	154.9	148.9
<i>Malignant neoplasms (cancer) (140-208)</i>	6,207	26.4	214.1	212.7	213.8
<i>Accidents, poisonings and violence (E800-E999)</i>	1,837	7.8	69.9	66.9	63.3
<i>Motor vehicle and other accidents or adverse effects (E800-E949)</i>	1,208	5.1	46.9	45.3	41.6
<i>Diseases of the respiratory system (460-519)</i>	1,939	8.2	70.3	78.7	66.8

(a) See footnotes at end of table.

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

Age group, cause of death and ICD code	1990		Rate(a)		
	Number	Proportion (b) %	1988	1989	1990
FEMALES—					
Under 1 year—					
All causes	308	100.0	8.2	7.4	7.0
<i>Certain conditions originating in the perinatal period (760-779)</i>	128	41.6	3.2	3.4	2.9
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	57	18.5	1.7	1.7	1.3
Disorders relating to short gestation and unspecified low birthweight (765)	39	12.7	0.8	0.9	0.9
<i>Congenital anomalies (740-759)</i>	78	25.3	2.3	2.0	1.8
<i>Symptoms, signs and ill-defined conditions (780-799)</i>	74	24.0	1.6	1.4	1.7
Sudden death, cause unknown (798)	73	23.7	1.6	1.4	1.7
1-14 years—					
All causes	122	100.0	21.3	20.2	21.1
<i>Accidents, poisonings and violence (E800-E999)</i>	42	34.4	9.2	8.5	7.3
Motor vehicle traffic accidents (E810-E819)	24	19.7	3.7	4.5	4.2
<i>Malignant neoplasms (cancer) (140-208)</i>	14	11.5	2.6	3.5	2.4
Congenital anomalies (740-759)	25	20.5	2.6	2.4	4.3
<i>Diseases of the nervous system and sense organs (320-389)</i>	8	6.6	2.1	1.0	1.4
15-24 years—					
All causes	195	100.0	47.1	44.7	44.2
<i>Accidents, poisonings and violence (E800-E999)</i>	108	55.4	27.5	26.2	24.5
Motor vehicle traffic accidents (E810-E819)	61	31.3	16.7	18.1	13.8
Suicide (E950-E959)	22	11.3	4.3	2.5	5.0
<i>Malignant neoplasms (cancer) (140-208)</i>	20	10.3	4.7	4.1	4.3
25-44 years—					
All causes	627	100.0	76.5	73.1	69.4
<i>Malignant neoplasms (cancer) (140-208)</i>	266	42.4	30.0	30.3	29.4
Malignant neoplasm of breast (174)	94	15.0	9.4	10.0	10.4
<i>Accidents, poisonings and violence (E800-E999)</i>	144	23.0	20.2	20.3	15.9
Suicide (E950-E959)	55	8.8	7.0	5.9	6.1
<i>Diseases of the circulatory system (390-459)</i>	71	11.3	9.4	7.6	7.9
45-54 years—					
All causes	810	100.0	303.6	267.2	264.5
<i>Malignant neoplasms (cancer) (140-208)</i>	442	54.6	154.9	136.1	144.3
Malignant neoplasm of breast (174)	156	19.3	49.4	44.9	50.9
<i>Diseases of the circulatory system (390-459)</i>	160	19.8	63.1	64.9	52.3
Acute myocardial infarction (410)	57	7.0	24.5	21.6	18.6
<i>Accidents, poisonings and violence (E800-E999)</i>	59	7.3	28.4	19.3	19.3
55-64 years—					
All causes	1,796	100.0	748.8	727.3	657.7
<i>Malignant neoplasms (cancer) (140-208)</i>	798	44.4	340.8	324.5	307.6
Malignant neoplasm of breast (174)	167	9.3	71.8	70.6	64.4
<i>Diseases of the circulatory system (390-459)</i>	531	29.6	246.3	227.1	204.7
Acute myocardial infarction (410)	236	13.2	101.2	105.4	91.0
65-74 years—					
All causes	4,126	100.0	1,942.3	1,819.0	1,821.7
<i>Diseases of the circulatory system (390-459)</i>	1,845	44.7	929.7	820.0	814.6
Acute myocardial infarction (410)	851	20.6	426.6	335.5	375.7
Cerebrovascular disease (incl. stroke) (430-438)	362	8.8	205.7	193.8	159.8
<i>Malignant neoplasms (cancer) (140-208)</i>	1,361	33.0	601.6	589.4	600.9
75 years and over—					
All causes	12,413	100.0	7,858.0	7,850.0	7,375.9
<i>Diseases of the circulatory system (390-459)</i>	7,780	62.7	5,006.4	4,947.1	4,622.9
Acute myocardial infarction (410)	2,343	18.9	1,529.9	1,468.8	1,392.2
Cerebrovascular disease (incl. stroke) (430-438)	2,384	19.2	1,486.1	1,457.2	1,416.6
Other ischaemic heart disease (411-414)	1,296	10.4	797.0	837.2	770.1
<i>Malignant neoplasms (cancer) (140-208)</i>	1,758	14.2	1,119.7	1,018.5	1,044.6
Total all ages—					
All causes	20,307	100.0	726.6	721.1	694.3
<i>Diseases of the circulatory system (390-459)</i>	10,406	51.2	378.7	372.8	355.8
Acute myocardial infarction (410)	3,505	17.3	129.2	122.5	119.8
Cerebrovascular disease (incl. stroke) (430-438)	2,937	14.5	105.7	104.9	100.4
Other ischaemic heart disease (411-414)	1,738	8.6	60.3	62.5	59.4
<i>Malignant neoplasms (cancer) (140-208)</i>	4,661	23.0	164.9	156.9	159.4
<i>Diseases of the respiratory system (460-519)</i>	1,226	6.0	43.2	54.0	41.9

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

TABLE 13. FETAL, NEONATAL AND PERINATAL DEATHS: NUMBERS AND RATES BY SEX, NSW

Year	Fetal deaths			Neonatal deaths			Perinatal deaths		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
NUMBER									
1985	259	222	481	287	223	510	546	445	991
1986	274	268	542	246	187	433	520	455	975
1987	280	224	504	240	189	429	520	413	933
1988	297	241	538	228	180	408	525	421	946
1989 (a)	257	219	476	242	174	416	499	393	892
1990 (a)	317	267	584	227	149	376	544	416	960
RATE (b)									
1985	5.7	5.2	5.5	6.4	5.2	5.8	12.1	10.4	11.2
1986	6.3	6.5	6.4	5.7	4.6	5.1	11.9	11.0	11.5
1987	6.3	5.3	5.8	5.5	4.5	5.0	11.7	9.8	10.8
1988	6.8	5.8	6.3	5.2	4.4	4.8	12.0	10.2	11.1
1989 (a)	5.8	5.2	5.5	5.5	4.2	4.9	11.3	9.3	10.3
1990 (a)	6.7	6.1	6.4	4.9	3.4	4.2	11.6	9.5	10.5

(a) Fetal death and perinatal death figures are affected by registration delays in 1989 which were made up in 1990. (b) Number of fetal deaths or perinatal deaths per 1,000 live births and fetal deaths combined. Number of neonatal deaths per 1,000 live births.

TABLE 14. FETAL, NEONATAL AND PERINATAL DEATHS: MAIN CAUSE OR CONDITION IN FETUS/INFANT AND MOTHER, NSW

Cause of death	1990					1989
	Fetal deaths	Neonatal deaths	Perinatal deaths			Perinatal deaths
			Males	Females	Persons	
Main condition in fetus/infant	584	376	544	416	960	892
Slow fetal growth, fetal malnutrition and immaturity (764, 765)	53	40	49	44	93	100
Birth trauma (767)	—	12	8	4	12	8
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	217	126	197	146	343	348
Fetal and neonatal haemorrhage (772)	5	22	15	12	27	33
Haemolytic disease of fetus and newborn (773)	5	1	2	4	6	8
Other conditions originating in the perinatal period (766, 771, 774-779)	238	41	156	123	279	206
Congenital anomalies (740-759)	63	116	106	73	179	168
All other causes (Remainder of 001-999)	3	18	11	10	21	21
Main condition in mother	584	376	544	416	960	892
Maternal conditions which may be unrelated to present pregnancy (760)	74	32	60	46	106	73
Maternal complications of pregnancy (761)	67	142	132	77	209	207
Complications of placenta, cord and membranes (762)	235	54	162	127	289	279
Other complications of labour and delivery (763)	6	5	6	5	11	13
No maternal condition reported	202	143	184	161	345	320

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

Particulars	1990					1989
	Fetal deaths	Neonatal deaths	Perinatal deaths			Perinatal deaths
			Males	Females	Persons	
Age at death (a)	—	376	227	149	376	416
Less than 1 hour	—	69	46	23	69	76
Less than 1 day	—	195	120	75	195	202
Less than 1 week	—	303	178	125	303	335
Weight at birth (grams) (b)	584	376	544	416	960	892
500- 999	188	137	188	137	325	295
1,000-1,999	142	62	123	81	204	172
2,000-2,999	130	81	107	104	211	198
3,000 or more	117	78	113	82	195	186
Period of gestation (weeks) (b)	584	376	544	416	960	892
Less than 28	166	129	182	113	295	278
28-36	222	102	185	139	324	284
37-41	179	113	159	133	292	263
42 or more	12	10	6	16	22	22
Age group of mother (years) (b)	584	376	544	416	960	892
Less than 20	46	29	43	32	75	63
20-24	130	73	116	87	203	176
25-29	183	116	160	139	299	305
30-34	139	103	142	100	242	226
35-39	71	39	64	46	110	78
40 or more	15	10	14	11	25	29

(a) Applicable to neonatal deaths only. (b) Totals include not stated categories.

PERINATAL DEATHS, NSW, 1990
Age at death/cessation of heartbeat

EXPLANATORY NOTES

Introduction

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

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

Definitions

3. *General deaths*, i.e. those included in tables 1 to 12, comprise the deaths of people of all ages. Fetal deaths (still-births) are excluded.

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

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

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

5. *Live birth* is the delivery of a child who after being born, breathes or shows any other evidence of life such as a heartbeat. For table 13 (perinatal deaths) the live birth figures used to calculate rates have been adjusted to exclude live births known to have weighed under 500 grams at birth (or, where birthweight was unknown, of less than 22 weeks gestation).

6. *Period of gestation*. For perinatal deaths, period of gestation is measured from the first day of the last normal menstrual period to the date of birth and is expressed in completed weeks.

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

Year of occurrence and year of registration

8. The statistics in this publication refer to deaths registered, not those which actually occurred, in the years

shown. Normally about 7-8 per cent of deaths occurring in one year are not registered until the following year or even later. Table 4 shows deaths according to the month and year of occurrence for the latest six years.

State of usual residence and State of registration

9. *General deaths*. Figures shown in this publication represent deaths of usual residents of NSW, regardless of where in Australia the death occurred or was registered. Table 5 shows the number of deaths cross-classified by State or Territory of usual residence and State or Territory of registration. Deaths of people normally resident in NSW, which occurred overseas, are excluded from this publication. Deaths of people usually resident overseas but which occurred in NSW are included in the NSW figures.

10. *Perinatal deaths*. The figures have been compiled on a State of usual residence basis, i.e. they represent the deaths of those fetuses and neonates whose mothers were usual residents of NSW.

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

Cause of death classifications used in this publication

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

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

14. For perinatal deaths, causes of death have been classified to the *main condition in the fetus/infant and also to the main condition in the mother*.

15. The extensive nature of the ICD enables classification of causes of death at fine levels of detail. Only abridged classifications have been used in this publication in order to present an overview of causes of death.

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

Australian Standard Geographical Classification

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

18. *Statistical local areas (SLAs)*. These geographical areas are, in almost all cases, identical with, or have been formed from a division of, whole legal local government areas (LGAs) as defined under the (State) Local Government Act 1919 and comprising cities (C), municipalities (M) and shires (S). In other cases they represent areas which are unincorporated under the Act. In aggregate, SLAs cover the whole of the State without gaps or overlaps. In some cases legal LGAs overlap statistical subdivision boundaries and therefore comprise 2 SLAs (Part A and Part B) or 3 SLAs in the case of Cabonne (S) (Part A, Part B and Part C).

19. *Statistical subdivisions (SSDs)* consist of one or more SLAs and form the intermediate size spatial unit for the presentation of regional data.

20. *Statistical divisions (SDs)* consist of one or more statistical subdivisions (SSDs). Where SSDs are not shown, statistical local areas are ordered alphabetically within statistical divisions. The divisions are designed to be relatively homogeneous regions characterised by identifiable social and economic units within the region, under the unifying influence of one or major towns or cities.

21. Further information concerning statistical areas is contained in the publication *Regional Statistics, New South Wales*, 1991 issue (1304.1) and in the publication *Australian Standard Geographical Classification* (1216.0).

Tabulation procedures

22. Most of the classifications presented in the tables have a 'not stated' category to allow for the very small number of cases where the relevant details are not reported. Such categories have been suppressed throughout this publication but the figures for them have been included in the relevant totals.

23. *Unknown time of cessation of heartbeat*. For some perinatal deaths it is not known whether the time of cessation of heartbeat occurred before or after delivery. Such cases have been included with fetal deaths.

24. *Indeterminant sex*. For tabulation purposes, perinatal deaths of indeterminant sex in New South Wales are randomly distributed to male or female.

Standardised death rates

25. The standardised death rates shown in Table 8 for NSW and Australia have been calculated using the direct

method, and the 1990 Australian population has been used as the standard. The standardised death rate obtained by the direct method may be defined as the overall death rate that would have prevailed in a standard population if it had experienced at each age the death rates of the population being studied.

Data quality

26. In compiling statistics on deaths, the ABS employs a variety of quality control measures to ensure that the statistics are as reliable as possible. These measures include: contacting Registries to obtain missing information and to query unlikely details; seeking further information where necessary from the certifying doctor or coroner to enable accurate classification of the underlying cause of death; check-coding of cause of death; detailed computer editing of data and checks on the statistical output, at the individual record and aggregate levels. Guidelines for the provision of cause of death information are made available to medical practitioners by the ABS.

Additional statistics

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

Unpublished statistics

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

29. The data items relating to general deaths and perinatal deaths, which are available for tabulation, are listed in Appendix A and information on unpublished tabulations routinely produced is given in Appendix B.

Symbols and other usages

ICD International Classification of Diseases (produced by the World Health Organisation)

F	Females
M	Males
P	Persons
p	preliminary — figure or series subject to revision
—	nil or rounded to zero (including null cells)

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

STATISTICAL DIVISIONS OF NSW



APPENDIX A

DATA ITEMS AVAILABLE

General deaths—

Month and year of registration of death
 Day, month and year of death
 State in which death was registered
 Sex
 Age at death
 Occupation
 Underlying cause of death
 Birthplace
 Period of residence in Australia if born overseas
 Statistical local area of usual residence
 Marital status
 Number of children of deceased
 Age at first marriage
 Aboriginality

Perinatal deaths—

Particulars relating to death—

Month and year of registration
 Whether or not certified cause of death was confirmed by post-mortem examination

Particulars relating to mother—

Age
 Statistical local area of usual residence
 Aboriginality
 Number of previous pregnancies resulting in live births, still births and abortions
 Outcome of last previous pregnancy (all issue live born, one or more issue born dead, abortion)
 Date of delivery/termination of last previous pregnancy

For current pregnancy—

Method of delivery
 Attendant at birth (obstetrician, midwife etc.)
 Number of antenatal care visits

Particulars relating to child—

Date of birth
 Date of death
 Sex
 Plurality
 Birthweight
 Period of gestation (completed weeks)
 Age at death, if born alive
 Cessation of heartbeat (before or during labour, after delivery etc.)
 Time dead in utero, if stillborn
 Main disease or condition in fetus or infant
 Main maternal disease or condition affecting fetus or infant
 Underlying cause of death
 Place of birth/still-birth

APPENDIX B

UNPUBLISHED TABLES (subject to confidentiality constraints)

Table number

General deaths (a)—

1. Cause of death (60 groups) by age (5-year groups) by sex
2. Cause of death (ICD three-digit level) by sex
3. Cause of death (ICD three-digit level) by age (5-year groups) by sex
4. Cause of death (ICD four-digit level) by sex
5. Cause of death (ICD four-digit level) by age (5-year groups) by sex
6. Cause of death (ICD three-digit level) by usual residence (capital city statistical division/other) by age (10-year groups) by sex
7. Cause of death (ICD three-digit level) by statistical division of usual residence by age (10-year groups) by sex
8. Infant deaths by cause of death (ICD three-digit level) by age (days/weeks/months) by sex
9. Infant deaths by cause of death (ICD four-digit level) by age (days/weeks/months) by sex
10. Deaths due to accidental drowning and submersion: circumstances of drowning by age and sex, NSW

Perinatal deaths (b)—

1. Main condition in fetus/infant by age of mother by sex
2. Main condition in fetus/infant by weight at birth by sex
3. Main condition in fetus/infant by period of gestation by sex
4. Main condition in fetus by time of cessation of heartbeat by sex
5. Main condition in infant by age at death by sex
6. Main condition in fetus/infant (ICD four-digit level) by cessation of heartbeat by sex
7. Main condition in fetus/infant by main condition in mother by sex
8. Main condition in mother by age of mother by sex
9. Main condition in mother by weight at birth by sex
10. Main condition in mother by period of gestation by sex
11. Main condition in mother by time of cessation of heartbeat by sex
12. Main condition in mother by age at death by sex
13. Main condition in mother (ICD four-digit level) by cessation of heartbeat by sex

(a) Tables 1 to 9 are available for each State and Territory and for Australia, on the basis of the place of usual residence of the deceased. Table 1 is also available for statistical areas of NSW. Table 10 is available for deaths registered in NSW. b) Comprising perinatal deaths in respect of NSW mothers. Unless otherwise indicated, 50 groups are shown for main condition in fetus/infant and 18 groups for main condition in mother.

Note: Clients who received the publication *Perinatal Deaths, New South Wales, 1989* (3303 1), which included NSW perinatal deaths, weighing at least 400 grams at delivery or of at least 20 weeks gestation, and who would like to obtain comparable data for 1990, should contact Laurie Coleman on (02) 2684454.



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