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### PERINATAL DEATHS, NEW SOUTH WALES 1986

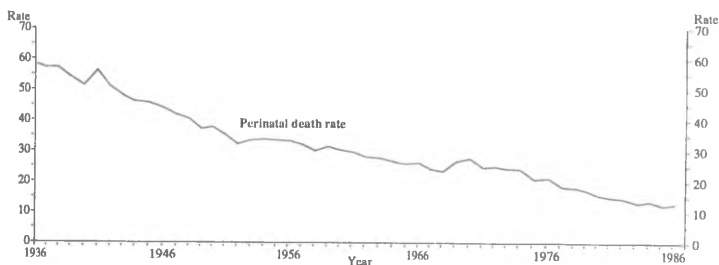
**INQUIRIES** If you would like to obtain further information about these statistics, please ring the Demography Section on (02) 268 4440; contact ABS Information Services on (02) 2684611, at level 3 St. Andrew's House, Sydney Square, Sydney; or write to Information Services, Australian Bureau of Statistics, Box 796 GPO, Sydney 2001.

#### MAIN FEATURES

In 1986 there were 1,084 perinatal deaths registered in N.S.W. This figure comprised 633 fetal deaths (still-births) and 451 neonatal deaths (children born alive who died within 28 days of birth).

#### PERINATAL DEATH RATE

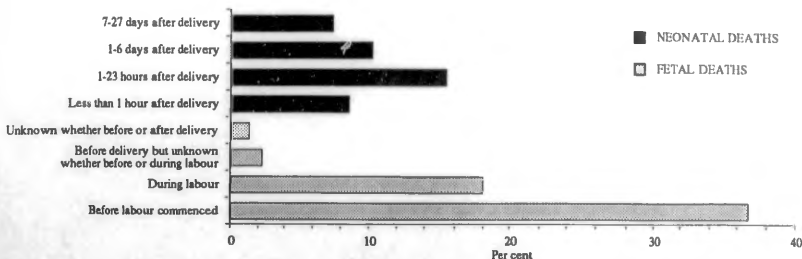
The perinatal death rate for N.S.W. in 1986 was 12.8 per 1,000 live births and fetal deaths combined. This rate compares very favourably with the rate of 58.5 per 1,000 in 1936 when statistics of perinatal deaths were first recorded.



#### TIME OF CESSATION OF HEARTBEAT

In 1986 fetal deaths comprised 58.4 per cent of all perinatal deaths registered. The majority of fetal deaths occurred before the commencement of labour, and more than half of all neonatal deaths occurred within the first day after birth.

PERINATAL DEATHS: PERCENTAGE DISTRIBUTION BY AGE



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## EXPLANATORY NOTES

1. (a) Statistics of perinatal deaths shown in this publication refer to the registrations in New South Wales of:

i. Fetal deaths (still-births) (see Note 2 below); and

ii. Neonatal deaths - children born alive (i.e. breathed or showed other evidence of life such as a heartbeat) who died within 28 days of birth.

(b) The statistics of fetal deaths (and hence perinatal deaths) for 1969 and subsequent years are not comparable with statistics for 1968 and earlier years owing to the change in the definition of a fetal death. The number of neonatal deaths registered may also have been affected to some extent by this change.

## Definitions

2. In N.S.W. statistics of fetal deaths for 1969 and subsequent years relate to the delivery of a child, weighing at least 400 grams at delivery or of at least 20 weeks gestation, who did not, at any time after delivery, breathe or show any other evidence of life such as a heartbeat. (Where it is unknown if cessation of heartbeat occurred before or after delivery such cases are classified as fetal deaths). In previous years they related to children of seven months gestation or over, not born alive, including any child not born alive which measured at least fourteen inches, but excluding any child which had actually breathed (in 1968, excluding any child whose heart beat after delivery).

3. The current definition of a perinatal death, in use in N.S.W. since 1969, differs from that used in compiling Australian perinatal death statistics. The definition used for Australia, as a whole, is based on the recommendation of the Ninth Revision Conference (1975) of the World Health Organisation (WHO) "that national perinatal statistics should include all fetuses and infants weighing at least 500 grams or (when birthweight is unavailable) the corresponding gestational age (22 weeks) or body length (25cm crown-heel), whether alive or dead". In addition, any child born alive who dies within 28 days of birth is included, provided they fall within the criteria of the WHO definition. Figures for N.S.W. on the above definition can be found in the publication *Perinatal Deaths* (3304.0) issued by the Canberra Office of the ABS.

## Usual residence

4. All statistics in this publication relate to events registered in N.S.W. only, because of the differences in the definition of a perinatal death between N.S.W. and the other States - see Note 3 above. Therefore the number of neonatal deaths shown in this publication differs from the number of deaths under one month published in *Deaths 1986* (3307.1). There were 451 neonatal deaths registered in N.S.W. in 1986, including 10 where the usual residence of the mother was outside N.S.W. In addition there were 21 neonatal deaths registered outside N.S.W., but within Australia, where the usual residence of the mother was in N.S.W. resulting in the figure of 462 which is published in *Deaths 1986* and relates to the State or Territory of usual residence of the mother. In perinatal deaths publications prior to 1986, perinatal deaths where the usual residence of the mother was outside N.S.W., were assigned to the SLA in which the death occurred but this procedure was discontinued in 1986. (See Tables 3 and 8.) However if

the mother usually resides overseas but the perinatal death occurred in N.S.W., it is assigned to the SLA in which the event occurred.

## Registration delays

5. In 1984 there were abnormal delays in the registration process at the New South Wales Registry of Births, Deaths and Marriages which significantly reduced the number of births and deaths registered in New South Wales, and resulted in a corresponding increase in the number of births and deaths registered in 1985. The numbers of live births registered were 77,314 in 1984 and 87,258 in 1985 and the numbers of deaths registered were 39,114 and 44,044 respectively. It is estimated that, if normal circumstances had existed, live birth registrations would have been 81,752 in 1984 and 82,820 in 1985, and death registrations would have been 41,089 and 42,069 respectively. The numbers of neonatal deaths registered in 1984 and 1985 are likely to have been affected by the administrative problems but the magnitude of the effect cannot be quantified. In 1985 some delays also occurred in the registration of fetal deaths which resulted in a number not being registered until March quarter 1986. Because fetal, neonatal and perinatal death rates are based on live births registered, all such rates for 1984, 1985 and 1986 will be affected.

6. As a result of normal delays in registration, some perinatal deaths occurring in one year are not registered until the following year or even later. However, 98 per cent of all perinatal deaths are usually registered within 3 months of the month of occurrence. Table 2 shows the numbers of fetal deaths, neonatal deaths and total perinatal deaths which actually occurred in each month of the years 1984 to 1986 and were registered up to 30 September 1987.

## Classification of causes of death

7. Causes of perinatal death shown for the years 1976 to 1978 in Table 17 were classified in accordance with the *International Statistical Classification of Diseases, Injuries and Causes of Death* (I.C.D.), Eighth Revision (1965). In this classification the cause of death was assigned to the underlying cause, i.e., the disease or condition (affecting mother or child) which initiated the train of events leading to death.

8. From 1 January 1979 causes of perinatal death have been classified in accordance with the *International Statistical Classification of Diseases, Injuries and Causes of Death* (I.C.D.), Ninth Revision (1975). In this classification the cause of death is assigned to the main disease or condition in the child (i.e. the pathological condition which in the opinion of the certifier made the greatest contribution to the death of the child). Where applicable, perinatal deaths are also assigned to the main maternal disease or condition affecting child (i.e. the disease or condition in the mother which in the certifier's opinion had some adverse effect on the child). A change to the Medical Certificate of Cause of Perinatal Death was recommended by the World Health Organisation to elicit this information. However, the revised certificate (see Appendix B) was not introduced in New South Wales until 1 January 1980. Consequently, for 1979 an interpretation based on information provided on the old certificate was necessary to enable the I.C.D., Ninth Revision, rules to be applied.

9. In an attempt to maintain comparability with previous years' statistics, New South Wales has continued compilation of the series based on the underlying cause of

death (according to the certifier's opinion). However, statistics of cause of death according to underlying cause between 1979 and earlier years are not strictly comparable because the Ninth Revision of the I.C.D. incorporates substantial changes to Chapter XV (Certain Conditions Originating in the Perinatal Period) which includes the bulk of perinatal causes of death. Additionally, information obtained from certifiers as a result of a more intensive query programme introduced in 1979 made more precise classification possible and led to significant changes in the number of deaths assigned to certain disease categories.

10. Statistics of cause of death are presented in this publication as follows:

(a) for deaths classified according to the main condition in child, the nationally approved B List of 50 causes of perinatal death (see Appendix A) is used for Table 9 and an abridged version, showing the major diseases and conditions, is used for the other tables.

(b) for deaths classified according to the main maternal condition affecting fetus or infant, the nationally approved M List of 18 main maternal diseases or conditions affecting the child or fetus (see Appendix A) is used.

(c) for deaths classified according to underlying cause, a concatenation of the M List and the B List (abridged) is used. Note that, although this is a composite list, the inclusions in each category are derived independently of the causes of death reported as the main condition in the infant or fetus or the main maternal condition affecting fetus or infant.

#### Statistical areas of New South Wales

11. This publication contains data presented according to the Australian Standard Geographical Classification (ASGC), Edition 3. Under this classification, statistical areas are defined as follows:

**STATISTICAL LOCAL AREAS (SLA's).** These geographical areas are in most cases either identical with, or have been aggregated to, the previously published whole or part of legal Local Government Areas (LGA's) as defined under the (State) Local Government Act 1919 and comprising cities (C), municipalities (M) and shires (S). In other cases, they are identical to each previously published unincorporated area. In aggregate, SLA's cover the whole of the State without gaps or overlaps. In some cases legal LGA's overlap Statistical Subdivision boundaries and therefore comprise 2 SLA's (Part A and Part B) or 3 SLA's in the case of Cabonne (S) (Part A, Part B and Part C).

**STATISTICAL SUBDIVISIONS (SSD's).** These consist of one or more SLA's and form the intermediate size spatial unit for the presentation of regional data.

**STATISTICAL DIVISIONS (SD's).** These consist of one or more Statistical Subdivisions (SSD's). Where SSD's are not shown for statistical purposes, statistical local areas are shown ordered alphabetically within statistical divisions. The divisions are designed to be relatively homogenous regions characterised by identifiable social and economic

units within the region, under the unifying influence of one or more major towns or cities.

**STATISTICAL DISTRICTS.** To provide comparable statistics over a period of time, statistical districts have been defined around selected urban centres, with a population of 25,000 or more, experiencing urban growth beyond the legal local government area boundaries. Those districts are intended to contain the anticipated urban spread over the next 20 years. In some cases, Statistical District boundaries are identical to those of particular Statistical Subdivisions (e.g. Newcastle SSD and Wollongong SSD included in table 8 of this publication).

Further information concerning statistical areas is contained in the publication *Regional Statistics, New South Wales, 1987 issue* (Catalogue 1304.1) and in the publication *Australian Standard Geographical Classification* (Catalogue 1216.0).

#### Related publications

12. Other ABS publications which may be of interest to users of this bulletin include:

- Births* (3306.1)
- Deaths* (3307.1)
- Causes of Death* (3302.1)
- Hospital and Nursing Home In-Patients* (4306.1)

13. All publications produced by the ABS are listed in the *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

#### Additional statistics available

14. In some cases, the ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer printout, clerically-extracted tabulation. Generally, a charge is made for providing unpublished information. Inquiries should be made as shown in the Inquiries section of this publication.

A list of the complete range of publications available from the ABS can be obtained from any ABS Office. Access to a wide range of ABS statistics is also available through the VIATEL videotex system and on AUSSTATS, ABS' on-line service through CSIRONET. Further information about these services can be obtained from the Sydney ABS Information Service on (02) 268 4611, or from any ABS Office.

#### Symbols and other usages

- F females
- M males
- P persons
- nil or rounded to zero

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

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Deputy Commonwealth Statistician

TABLE 1. FETAL DEATHS, NEONATAL DEATHS AND PERINATAL DEATHS: NUMBER AND RATE, N.S.W.

Note: Figures for 1984-1986 were affected by fluctuations in the registration of fetal deaths and neonatal deaths. See Explanatory Note 5.

Year	Fetal deaths			Neonatal deaths			Perinatal deaths		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
NUMBER									
1981	358	328	686	314	218	532	672	546	1,218
1982	345	340	685	297	236	533	642	576	1,218
1983	320	266	586	270	233	503	590	499	1,089
1984	334	308	642	247	174	421	581	482	1,063
1985	293	262	555	298	227	525	591	489	1,080
1986	323	310	633	253	198	451	576	508	1,084
RATE (a)									
1981	8.45	8.24	8.34	7.47	5.52	6.53	15.85	13.71	14.81
1982	7.98	8.30	8.14	6.93	5.81	6.38	14.85	14.07	14.47
1983	7.49	6.55	7.03	6.37	5.77	6.08	13.82	12.28	13.07
1984	8.38	8.08	8.24	6.25	4.60	5.45	14.58	12.65	13.64
1985	6.50	6.13	6.32	6.65	5.35	6.02	13.11	11.45	12.30
1986	7.42	7.54	7.48	5.86	4.85	5.37	13.23	12.35	12.81

(a) Number of fetal deaths or perinatal deaths per 1,000 live births and fetal deaths combined. Number of neonatal deaths per 1,000 live births.

TABLE 2. FETAL DEATHS, NEONATAL DEATHS AND PERINATAL DEATHS: MONTH AND YEAR OF OCCURRENCE (a), N.S.W.

	Fetal deaths			Neonatal deaths			Perinatal deaths		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
January	58	51	67	42	45	46	100	96	113
February	67	48	52	38	34	36	105	82	88
March	60	55	60	36	46	37	96	101	97
April	64	54	46	41	36	33	105	90	79
May	55	45	51	35	45	31	90	90	82
June	48	52	39	33	36	27	81	88	66
July	41	46	46	41	38	41	82	84	87
August	53	61	47	35	49	37	88	110	84
September	55	58	57	38	42	23	93	100	80
October	41	52	55	50	48	40	91	100	95
November	42	43	46	44	36	42	86	79	88
December	53	46	38	35	48	29	88	94	67
Total	637	611	604	468	503	422	1,105	1,114	1,026

(a) Figures in this table relate to perinatal deaths which occurred in each month of the above 3 years and were registered up to 30 September 1987. They are subject to minor revision due to registrations after that date. For further details see Explanatory note 6.

TABLE 3. PERINATAL DEATHS: PERIOD OF GESTATION BY WEIGHT AT BIRTH, N.S.W., 1986

Weight at birth (grams)	Period of gestation (weeks)						Not stated	Total
	Under 22	22-27	28-31	32-36	37-41	42 or more		
Less than 500	49	77	5	4	-	-	-	135
500 - 999	15	256	48	17	1	-	2	339
1,000 - 1,499	-	20	66	34	3	1	3	127
1,500 - 1,999	-	1	19	56	21	-	4	101
2,000 - 2,499	-	1	6	36	34	3	3	83
2,500 - 2,999	-	2	1	27	68	3	2	103
3,000 - 3,499	-	-	-	10	79	9	9	107
3,500 - 3,999	-	-	-	3	43	2	3	51
4,000 - 4,499	-	-	-	1	15	2	2	20
4,500 - 4,999	-	-	-	-	2	-	-	2
5,000 or more	-	-	-	-	-	-	-	-
Not stated	-	3	2	5	3	1	2	16
Total persons	64	360	147	193	269	21	30	1,084

TABLE 4. PERINATAL DEATHS: PLURALITY, NUMBER, AND RATE, N.S.W., 1986

Plurality	Births		Perinatal deaths			Rate (a)		
	Live births	All births (b)	Fetal deaths	Neonatal deaths	Total	Fetal deaths	Neonatal deaths	Perinatal deaths
Single	82,253	82,828	575	389	964	6.94	4.73	11.64
Twins	1,720	1,773	53	55	108	29.89	31.98	60.91
Other plural births	36	41	5	7	12	121.95	194.44	292.68
Total persons	84,009	84,642	633	451	1,084	7.48	5.37	12.81

(a) Number of fetal deaths or perinatal deaths per 1,000 live births and fetal deaths combined of that plurality. Number of neonatal deaths per 1,000 live births of that plurality. (b) Live births and fetal deaths combined.

TABLE 5. PERINATAL DEATHS: ATTENDANT AT BIRTH (a), N.S.W., 1986

Attendant at birth (a)	Current delivery resulting in -		
	Fetal death	Neonatal death	Total
Specialist obstetrician	363	310	673
Other physician	147	68	215
Trained midwife	106	30	136
Other trained person	-	1	1
Other	2	5	7
Not stated or unknown	15	37	52
Total deaths	633	451	1,084

(a) Where more than one attendant was present, the category of attendant selected was the highest in the order as shown above (which is as it appears in Question 9 of the Medical Certificate of Cause of Perinatal Death - see Appendix B).

TABLE 6. PERINATAL DEATHS: AGE GROUP OF MOTHER BY NUMBER OF PREVIOUS PREGNANCIES, N.S.W., 1966

Age group of mother (years)	Number of previous pregnancies										Total	
	0	1	2	3	4	5	6	7	8	9 or more		Not stated
Under 20	48	15	6	2	-	-	-	-	-	-	3	74
20-24	84	76	39	18	5	4	1	-	-	-	5	232
25-29	105	107	58	50	22	9	3	4	-	-	8	366
30-34	45	69	59	32	20	8	5	4	2	1	4	249
35-39	15	24	22	28	10	16	7	3	-	3	2	130
40 or more	2	3	1	4	1	4	4	-	3	2	-	24
Not stated	-	1	2	2	-	-	-	1	-	-	3	9
Total	299	295	187	136	58	41	20	12	5	6	25	1,084

TABLE 7. PERINATAL DEATHS: AGE GROUP OF MOTHER BY STATISTICAL DIVISIONS AND SELECTED STATISTICAL SUBDIVISIONS (a), N.S.W., 1966

Statistical area (a) of usual residence of mother	Age group of mother (years)							Total
	Under 20	20-24	25-29	30-34	35-39	40 or more	Not stated	
Inner Sydney (SSD)	1	13	18	18	8	-	-	58
Eastern Suburbs (SSD)	-	6	13	7	6	1	-	33
St George-Sutherland (SSD)	3	13	24	15	8	1	1	65
Canterbury-Bankstown (SSD)	1	20	29	20	12	3	1	86
Fairfield-Liverpool (SSD)	6	17	34	11	8	5	-	81
Outer South Western Sydney (SSD)	8	10	12	15	4	-	1	50
Inner Western Sydney (SSD)	1	3	6	6	7	-	1	24
Central Western Sydney (SSD)	5	10	13	12	7	2	1	50
Outer Western Sydney (SSD)	1	12	17	13	6	1	1	51
Blacktown-Baulkham Hills (SSD)	2	12	22	18	10	1	-	65
Lower Northern Sydney (SSD)	1	3	8	15	8	-	-	35
Hornsby-Ku-ring-gai (SSD)	-	4	7	12	5	1	1	30
Manly-Warringah (SSD)	-	3	14	9	4	-	-	30
Gosford-Wyong (SSD)	3	6	12	8	4	-	-	33
Sydney (SD)	32	132	229	179	97	15	7	691
Newcastle (SSD)	7	18	19	14	4	1	-	63
Hunter SD Balance (SSD)	3	3	4	3	-	-	-	13
Hunter (SD)	10	21	23	17	4	1	-	76
Wollongong (SSD)	3	6	16	5	4	2	-	36
Illawarra SD Balance (SSD)	1	3	4	1	2	1	-	12
Illawarra (SD)	4	9	20	6	6	3	-	48
Richmond Tweed (SD)	2	2	6	5	3	-	-	18
Mid-North Coast (SD)	7	8	23	5	2	1	1	47
Northern (SD)	5	11	11	7	3	1	-	38
North-Western (SD)	2	2	8	4	3	-	-	19
Central West (SD)	4	17	12	9	5	-	-	47
South-Eastern (SD)	-	5	6	4	1	1	-	17
Murrumbidgee (SD)	4	14	20	10	2	1	-	51
Murray (SD)	4	3	4	-	-	1	-	12
Far West (SD)	-	1	-	-	2	-	-	3
NEW SOUTH WALES	74	225	362	246	128	24	8	1,067
Balance of Australia	-	7	4	3	2	-	1	17
Total N.S.W. registrations	74	232	366	249	130	24	9	1,084

(a) See Explanatory Notes 4 and 11.

TABLE 3. FETAL DEATHS, NEONATAL DEATHS AND PERINATAL DEATHS IN STATISTICAL LOCAL AREAS (a), N.S.W., 1986

Statistical area (a) of usual residence of mother	Fetal deaths	Neonatal deaths	Perinatal deaths	Statistical area (a) of usual residence of mother	Fetal deaths	Neonatal deaths	Perinatal deaths
SYDNEY (SD)				SYDNEY (SD) continued			
Botany (M)	3	4	7	Goaford (C)	14	8	22
Leichhardt (M)	7	7	14	Wyong (S)	9	2	11
Marrickville (M)	15	9	24	Goaford-Wyong (SSD)	23	10	33
Sydney (C) Inner and Remainder	4	9	13				
Inner Sydney (SSD)	29	29	38	SYDNEY (SD)	399	292	691
Randwick (M)	6	2	8				
Waverley (M)	7	6	13				
Woolahrs (M)	5	7	12				
Eastern Suburbs (SSD)	18	15	33				
Hurstville (M)	9	6	15	HUNTER (SD)			
Kogarah (M)	5	2	7				
Rockdale (M)	7	6	13	Cessnock (C)	7	-	7
Sutherland (S)	16	14	30	Lake Macquarie (C)	19	6	25
St George-Sutherland (SSD)	37	28	65	Maitland (C)	6	1	7
				Newcastle (C) - Inner and Remainder	11	11	22
Bankstown (C)	22	7	29	Port Stephens (S)	-	2	2
Canterbury (M)	29	28	57	Newcastle (SSD)	43	20	63
Canterbury-Bankstown (SSD)	51	35	86				
Fairfield (C)	23	22	45	Dungog (S)	-	2	2
Liverpool (C)	20	16	36	Gloucester (S)	1	-	1
Fairfield-Liverpool (SSD)	43	38	81	Great Lakes (S)	1	1	2
				Murrumbidgee (S)	-	-	-
Camden (M)	1	3	4	Muswellbrook (S)	2	-	2
Campbelltown (C)	27	13	40	Scone (S)	1	-	1
Wollondilly (S)	3	3	6	Singleton (S)	3	2	5
Outer South Western Sydney (SSD)	31	19	50	Hunter SD Balance (SSD)	8	5	13
Ashfield (M)	14	3	17	HUNTER (SD)	51	25	76
Barwood (M)	1	-	1				
Concord (M)	-	-	-				
Drummoyne (M)	2	1	3				
Strathfield (M)	2	1	3				
Inner Western Sydney (SSD)	19	5	24	ILLAWARRA (SD)			
Auburn (M)	7	5	12	Kiama (M)	1	1	2
Holroyd (M)	9	6	15	Shellharbour (M)	5	1	6
Parramatta (C)	13	10	23	Wollongong (C)	13	15	28
Central Western Sydney (SSD)	29	21	50	Wollongong (SSD)	19	17	36
Blue Mountains (C)	8	6	14	Shoalhaven (C)	3	6	9
Hawkebury (S)	5	3	8	Wingcarabee (S)	2	1	3
Penrith (C)	16	13	29	Illawarra SD Balance (SSD)	5	7	12
Outer Western Sydney (SSD)	29	22	51				
				ILLAWARRA (SD)	24	24	48
Baulkham Hills (S)	6	8	14				
Blacktown (C)	35	16	51				
Blacktown-Baulkham Hills (SSD)	41	24	65				
Hunter's Hill (M)	-	-	-	RICHMOND-TWEED (SD)			
Lane Cove (M)	4	1	5				
Morman (M)	2	1	3	Tweed (S) Pt A	2	-	2
North Sydney (M)	4	1	5	Tweed Heads (SSD)	2	-	2
Ryde (M)	6	7	13				
Willoughby (M)	5	4	9	Ballina (S)	1	-	1
Lower Northern Sydney (SSD)	21	14	35	Byron (S)	4	2	6
				Casino (M)	-	1	1
Hornsby (S)	10	8	18	Kyogle (S)	1	-	1
Ku-ring-gai (M)	6	6	12	Lismore (C)	4	1	5
Hornsby-Ku-ring-gai (SSD)	16	14	30	Richmond River (S)	-	-	-
				Tweed (S) Pt B	1	1	2
Manly (M)	4	2	6	Richmond-Tweed SD Balance (SSD)	11	5	16
Warringah (S)	8	16	24				
Manly-Warringah (SSD)	12	18	30	RICHMOND-TWEED (SD)	13	5	18

See footnotes at end of table.

TABLE 8. FETAL DEATHS, NEONATAL DEATHS AND PERINATAL DEATHS IN STATISTICAL LOCAL AREAS (a), N.S.W., 1986  
-Continued-

Statistical area (a) of usual residence of mother	Fetal deaths	Neonatal deaths	Perinatal deaths	Statistical area (a) of usual residence of mother	Fetal deaths	Neonatal deaths	Perinatal deaths
<b>MID-NORTH COAST (SD)</b>				<b>NORTH-WESTERN (SD)</b>			
Bellingen (S)	1	1	2	Coolah (S)	-	-	-
Coff's Harbour (S)	8	1	9	Coonabarabran (S)	-	-	-
Copmanhurst (S)	-	1	1	Dubbo (C)	2	4	6
Grafton (C)	1	-	1	Gilgandra (S)	2	-	2
Maclean (S)	1	-	1	Mudgee (S)	1	1	2
Nambucca (S)	3	3	6	Narramine (S)	-	-	-
Nymboida (S)	-	-	-	Wellington (S)	-	1	1
Ulmerra (S)	1	1	2	Central Macquarie (SSD)	5	6	11
Clarence (SSD)	15	7	22	Bogan (S)	-	2	2
Greater Taree (C)	2	5	7	Coonamble (S)	2	1	3
Hastings (M)	5	5	10	Walgett (S)	-	1	1
Kempsey (S)	6	2	8	Warren (S)	-	-	-
Lord Howe Island	-	-	-	Macquarie-Barwon (SSD)	2	4	6
Hastings (SSD)	13	12	25	Bourke (S)	-	1	1
<b>MID-NORTH COAST (SD)</b>	<b>28</b>	<b>19</b>	<b>47</b>	Brewarrina (S)	-	-	-
				Cobar (S)	1	-	1
				Upper Darling (SSD)	1	1	2
				<b>NORTH-WESTERN (SD)</b>	<b>8</b>	<b>11</b>	<b>19</b>
<b>NORTHERN (SD)</b>				<b>CENTRAL WEST (SD)</b>			
Barraba (S)	-	2	2	Bathurst (C)	5	1	6
Bingara (S)	-	1	1	Blayney (S) Pt A	-	1	1
Gunnedah (S)	2	2	4	Cabonne (S) Pt A	-	-	-
Inverell (S) Pt A	-	1	1	Evans (S) Pt A	-	-	-
Manilla (S)	1	-	1	Orange (C)	7	10	17
Nundle (S)	-	-	-	Bathurst-Orange (SSD)	12	12	24
Parry (S)	1	-	1	Blayney (S) Pt B	-	-	-
Quirindi (S)	2	1	3	Cabonne (S) Pt B	-	-	-
Tamworth (C)	2	2	4	Evans (S) Pt B	-	-	-
Yallaroi (S)	-	-	-	Greater Lithgow (C)	4	-	4
Northern Slopes (SSD)	8	9	17	Oberon (S)	-	-	-
Armidale (C)	1	-	1	Rylstone (S)	-	-	-
Dumaresq (S)	-	1	1	Central Tablelands (excl. Bathurst-Orange) (SSD)	4	-	4
Glen Innes (M)	1	-	1	Bland (S)	-	2	2
Guyra (S)	1	-	1	Cabonne (S) Pt C	-	1	1
Inverell (S) Pt B	2	2	4	Cowra (S)	5	-	5
Severn (S)	-	-	-	Forbes (S)	1	2	3
Tenterfield (S)	1	-	1	Lachlan (S)	1	1	2
Uralla (S)	-	-	-	Parkes (S)	1	2	3
Walcha (S)	-	-	-	Weddin (S)	2	1	3
Northern Tablelands (SSD)	6	3	9	Lachlan (SSD)	10	9	19
Morse Plains (S)	4	3	7				
Narrabri (S)	2	3	5	<b>NORTHERN (SD)</b>	<b>20</b>	<b>18</b>	<b>38</b>
North Central Plain (SSD)	6	6	12	<b>CENTRAL WEST (SD)</b>	<b>26</b>	<b>21</b>	<b>47</b>

See footnotes at end of table.

TABLE 8. FETAL DEATHS, NEONATAL DEATHS AND PERINATAL DEATHS IN STATISTICAL LOCAL AREAS (a), N.S.W., 1986  
 -Continued-

Statistical area (a) of usual residence of mother	Fetal deaths	Neonatal deaths	Perinatal deaths	Statistical area (a) of usual residence of mother	Fetal deaths	Neonatal deaths	Perinatal deaths
SOUTH-EASTERN (SD)				MURRAY (SD)			
Queanbeyan (C)	2	-	2	Albury (C)	7	2	9
Queanbeyan (SSD)	2	-	2	Hume (S)	-	-	-
				Albury (SSD)	7	2	9
Boorowa (S)	-	-	-	Corowa (S)	-	-	-
Crookwell (S)	-	-	-	Culcairn (S)	1	1	2
Goulburn (C)	1	2	3	Holbrook (S)	-	-	-
Gunning (S)	-	-	-	Tumbarumba (S)	-	-	-
Harden (S)	-	1	1	Urana (S)	1	-	1
Mulwaree (S)	-	2	2	Upper Murray (excl. Albury) (SSD)	2	1	3
Tallanganda (S)	-	-	-				
Yarrowlunla (S)	-	-	-	Berrigan (S)	-	-	-
Yass (S)	-	-	-	Conargo (S)	-	-	-
Young (S)	2	-	2	Deniliquin (M)	-	-	-
Southern Tablelands (excl. Queanbeyan) (SSD)	4	5	9	Jerilderie (S)	-	-	-
				Murray (S)	-	-	-
Bega Valley (S)	3	1	4	Wakool (S)	-	-	-
Eurobodalla (S)	-	1	1	Windouran (S)	-	-	-
Lower South Coast (SSD)	3	2	5	Central Murray (SSD)	-	-	-
Bombala (S)	-	-	-	Balranald (S)	-	-	-
Cooma-Monaro (S)	-	1	1	Wentworth (S)	-	-	-
Snowy River (S)	-	-	-	Murray-Darling (SSD)	-	-	-
Snowy (SSD)	-	1	1				
				MURRAY (SD)	9	3	12
SOUTH-EASTERN (SD)	9	8	17				
MURRUMBIDGEE (SD)				FAR WEST (SD)			
Coolamon (S)	2	-	2	Broken Hill (C)	2	1	3
Cootamundra (S)	2	2	4	Central Darling (S)	-	-	-
Gundagai (S)	2	2	4	Unincorporated Far West	-	-	-
Junee (S)	-	-	-	FAR WEST (SD)	2	1	3
Lockhart (S)	1	-	1				
Narrandera (S)	4	1	5				
Temora (S)	1	1	2				
Tumut (S)	2	1	3				
Wagga Wagga (C)	11	5	16				
Central Murrumbidgee (SSD)	25	12	37				
				NEW SOUTH WALES			
Carrathool (S)	8	1	9		626	441	1,067
Griffith (S)	-	-	-				
Hay (S)	-	-	-				
Lecton (S)	3	1	4	Balance of Australia	7	10	17
Murrumbidgee (S)	1	-	1				
Lower Murrumbidgee (SSD)	12	2	14				
MURRUMBIDGEE (SD)	37	14	51	Total N.S.W. registrations	633	451	1,084

(a) As at 1 January 1986. See Explanatory Notes 4 and 11.

TABLE 9. FETAL DEATHS, NEONATAL DEATHS AND PERINATAL DEATHS: CAUSE OF DEATH (a), N.S.W., 1986

Code number	Cause of death (a)	Fetal deaths	Neonatal deaths	Perinatal deaths
B1-B3	SLOW FETAL GROWTH, FETAL MALNUTRITION AND IMMATURITY -			
B1	Slow fetal growth and fetal malnutrition	23	3	26
B2	Extreme immaturity	57	68	125
B3	Other preterm infants	2	-	2
B4-B5	BIRTH TRAUMA -			
B4	Birth injury to brain, spine or spinal cord	-	10	10
B5	Other birth injury	-	-	-
B6-B15	HYPOXIA, BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS -			
B6	Fetal death from asphyxia or anoxia before onset of labour or at unspecified time	199	-	199
B7	Fetal death from asphyxia or anoxia during labour	59	-	59
B8	Fetal distress or birth asphyxia in liveborn infant	-	19	19
B9	Respiratory distress syndrome	-	35	35
B10	Congenital pneumonia	5	6	11
B11	Massive aspiration syndrome	4	13	17
B12	Interstitial emphysema and related conditions	-	9	9
B13	Pulmonary haemorrhage	2	2	4
B14	Atelectasis	-	50	50
B15	Other respiratory conditions of fetus and newborn	-	12	12
B16-B19	FETAL AND NEONATAL HAEMORRHAGE -			
B16	Fetal blood loss	1	-	1
B17	Intraventricular haemorrhage	2	31	33
B18	Subarachnoid haemorrhage	1	1	2
B19	Other fetal and neonatal haemorrhage	-	-	-
B20-B21	HAEMOLYTIC DISEASE OF FETUS OR NEWBORN -			
B20	Haemolytic disease due to rh isoimmunization	2	-	2
B21	Haemolytic disease due to other and unspecified isoimmunization	4	3	7
B22-B30	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD -			
B22	Disorders relating to long gestation and high birthweight	-	-	-
B23	Infections specific to the perinatal period	20	10	30
B24	Perinatal jaundice not due to isoimmunization	-	-	-
B25	Endocrine and metabolic disturbances specific to the fetus and newborn	4	1	5
B26	Haematological disorders of fetus and newborn	-	-	-
B27	Perinatal disorders of digestive system	-	8	8
B28	Hycrops fetalis not due to isoimmunization	8	6	14
B29	Other conditions involving the integument and temperature regulation of fetus and newborn	-	-	-
B30	Other and ill-defined conditions originating in the perinatal period	146	1	147
B31-B41	CONGENITAL ANOMALIES -			
B31	Anencephalus and similar anomalies	29	11	40
B32	Spina bifida	4	7	11
B33	Congenital hydrocephalus	13	5	18
B34	Other deformities of central nervous system	7	3	10
B35	Congenital anomalies of heart and circulatory system	6	37	43
B36	Congenital anomalies of respiratory system	-	15	15
B37	Congenital anomalies of digestive system	-	2	2
B38	Congenital anomalies of genital organs and urinary system	6	10	16
B39	Congenital anomalies of musculoskeletal system and limbs	3	21	24
B40	Chromosomal anomalies	9	16	25
B41	Other and unspecified congenital anomalies	13	10	23
B42-B46	INFECTIOUS AND PARASITIC DISEASES -			
B42	Intestinal infectious diseases	-	-	-
B43	Septicaemia	-	-	-
B44	Viral diseases	-	-	-
B45	Congenital syphilis	1	-	1
B46	Other infectious and parasitic diseases	-	-	-
B47-B50	ALL OTHER CAUSES -			
B47	Pneumonia, other than congenital	-	1	1
B48	Other specified conditions	3	13	16
B49	Symptoms, signs and ill-defined conditions	-	12	12
B50	External causes of injury to newborn	-	-	-
	ALL CAUSES	633	451	1,084

(a) Classified according to main disease or condition in child. See Explanatory Note 8.

TABLE 10. NEONATAL DEATHS (a) : CAUSE OF DEATH (b) BY AGE AT DEATH, N.S.W., 1986

Code number	Cause of death (b)	Age at death										
		Minutes				Total under 1 hour	Hours					Total under 1 day
		Under 5	5-14	15-29	30-59		1	2	3-5	6-11	12-23	
B1-B3	Slow fetal growth, fetal malnutrition and immaturity	12	19	7	10	48	12	3	3	-	2	68
B2	Extreme immaturity	12	18	7	10	47	12	3	3	-	1	66
B4-B5	Birth trauma	-	-	-	1	1	-	-	-	-	3	4
B6-B15	Hypoxia, birth asphyxia and other respiratory conditions	3	9	6	5	23	17	7	13	22	20	102
B8	Fetal distress or birth asphyxia in liveborn infant	-	3	2	1	6	6	2	1	-	-	15
B9	Respiratory distress syndrome	-	-	-	-	-	-	-	3	11	8	22
B14	Atelectasis	3	4	4	4	15	9	2	4	5	8	43
B16-B19	Fetal and neonatal haemorrhage	-	-	-	-	-	-	-	-	6	2	8
B17	Intraventricular haemorrhage	-	-	-	-	-	-	-	-	6	1	7
B20-B21	Haemolytic disease of fetus or newborn	-	-	-	-	-	1	-	1	1	-	3
B22-B30	Other conditions originating in the perinatal period	-	-	2	1	3	1	-	-	4	2	10
B23	Infections specific to the perinatal period	-	-	-	1	1	-	-	-	3	1	5
B31-B41	Congenital anomalies	5	5	3	5	18	12	7	10	9	7	63
B35	Congenital anomalies of heart and circulatory system	-	-	-	-	-	-	-	-	-	1	1
B36	Congenital anomalies of respiratory system	-	-	1	2	3	2	1	3	2	3	14
B40	Chromosomal anomalies	1	-	-	-	1	-	-	-	1	-	2
B42-B50	All other causes	-	-	-	-	-	1	1	-	-	-	2
	ALL CAUSES	20	33	18	22	93	44	18	27	42	36	260

Code number	Cause of death (b)	Age at death											
		Days					Total under 1 week	Weeks				Total	
		1	2	3	4	5		6 week	1	2	3		
B1-B3	Slow fetal growth, fetal malnutrition and immaturity	1	1	-	1	-	-	71	-	-	-	-	71
B2	Extreme immaturity	1	1	-	-	-	-	68	-	-	-	-	68
B4-B5	Birth trauma	1	-	2	1	-	-	8	1	1	-	-	10
B6-B15	Hypoxia, birth asphyxia and other respiratory conditions	17	4	4	1	2	1	131	9	4	2	146	
B8	Fetal distress or birth asphyxia in liveborn infant	3	-	-	-	-	-	18	-	1	-	19	
B9	Respiratory distress syndrome	5	-	2	1	1	-	31	4	-	-	35	
B14	Atelectasis	4	-	-	-	-	-	1	48	1	1	50	
B16-B19	Fetal and neonatal haemorrhage	4	5	4	2	1	-	24	5	3	-	32	
B17	Intraventricular haemorrhage	4	5	4	2	1	-	23	5	3	-	31	
B20-B21	Haemolytic disease of fetus or newborn	-	-	-	-	-	-	3	-	-	-	3	
B22-B30	Other conditions originating in the perinatal period	2	-	1	1	-	-	14	6	4	2	26	
B23	Infections specific to the perinatal period	-	-	1	1	-	-	7	3	-	-	10	
B31-B41	Congenital anomalies	17	12	5	5	2	9	113	14	9	1	137	
B35	Congenital anomalies of heart and circulatory system	5	4	4	2	-	5	21	12	3	1	37	
B36	Congenital anomalies of respiratory system	1	-	-	-	-	-	15	-	-	-	15	
B40	Chromosomal anomalies	4	3	-	1	2	1	13	1	2	-	16	
B42-B50	All other causes	2	-	1	-	2	-	7	3	9	7	26	
	ALL CAUSES	44	22	17	11	7	10	371	38	30	12	451	

(a) See Explanatory Note 1. (b) Classified according to main disease or condition in child. See Explanatory Note 8.

TABLE 11. PERINATAL DEATHS: CAUSE OF DEATH (a) BY AGE GROUP OF MOTHER AND SEX OF CHILD, N.S.W., 1986

Code number	Cause of death (a)	Age group of mother (years)						Sex of child			
		Under 20	20-24	25-29	30-34	35-39	40 or more	Not stated	Males	Females	Persons
B1-B3	Slow fetal growth, fetal malnutrition and immaturity	12	34	53	31	20	3	-	86	67	153
B2	Extreme immaturity	11	26	41	25	19	3	-	71	54	125
B4-B5	Birth trauma	2	1	4	-	3	-	-	8	2	10
B6-B15	Hypoxia, birth asphyxia and other respiratory conditions	28	85	139	100	50	10	3	214	201	415
B6	Fetal death from asphyxia or anoxia before onset of labour or at unspecified time	11	45	58	54	28	3	-	97	102	199
B7	Fetal death from asphyxia or anoxia during labour	3	6	27	14	6	2	1	33	26	59
B9	Respiratory distress syndrome	6	8	10	8	1	1	1	22	13	35
B14	Atelectasis	3	12	24	7	3	1	-	25	25	50
B16-B19	Fetal and neonatal haemorrhage	-	9	14	8	5	-	-	19	17	36
B17	Intraventricular haemorrhage	-	8	13	7	5	-	-	18	15	33
B20-B21	Haemolytic disease of fetus or newborn	-	1	4	4	-	-	-	3	6	9
B22-B30	Other conditions originating in the perinatal period	15	39	66	44	35	4	1	109	95	204
B31-B41	Congenital anomalies	12	58	76	58	15	6	2	117	110	227
B31	Anencephalus and similar anomalies	1	12	14	12	1	-	-	19	21	40
B35	Congenital anomalies of heart and circulatory system	2	12	12	11	5	-	1	22	21	43
B36	Congenital anomalies of respiratory system	-	5	4	4	1	-	1	7	8	15
B40	Chromosomal anomalies	1	3	10	4	4	3	-	12	13	25
B42-B50	All other causes	5	5	10	4	2	1	3	20	10	30
	ALL CAUSES	74	232	366	249	130	24	9	576	508	1,084

(a) Classified according to main disease or condition in child. See Explanatory Note 8.

TABLE 12. PERINATAL DEATHS: CAUSE OF DEATH (a) BY PERIOD OF GESTATION, N.S.W., 1986

Code number	Cause of death (a)	Period of gestation (weeks)						Total persons		
		Under 22	22-27	28-31	32-36	37-41	42 or more	Not stated	Number	Per cent
B1-B3	Slow fetal growth, fetal malnutrition and immaturity	24	102	13	7	7	-	-	153	14.1
B2	Extreme immaturity	24	98	3	-	-	-	-	125	11.5
B4-B5	Birth trauma	-	-	1	2	6	1	-	10	0.9
B6-B15	Hypoxia, birth asphyxia and other respiratory conditions	16	140	53	78	106	14	8	415	38.3
B6	Fetal death from asphyxia or anoxia before onset of labour or at unspecified time	5	29	32	57	67	7	2	199	18.4
B7	Fetal death from asphyxia or anoxia during labour	7	20	3	6	18	5	-	59	5.4
B9	Respiratory distress syndrome	-	19	10	4	1	-	1	35	3.2
B14	Atelectasis	3	40	4	2	1	-	-	50	4.6
B16-B19	Fetal and neonatal haemorrhage	2	22	6	-	3	-	3	36	3.3
B17	Intraventricular haemorrhage	2	22	6	-	1	-	2	33	3.0
B20-B21	Haemolytic disease of fetus or newborn	-	2	4	1	2	-	-	9	0.8
B22-B30	Other conditions originating in the perinatal period	15	55	36	49	44	-	5	204	18.8
B31-B41	Congenital anomalies	7	33	34	54	90	6	3	227	20.9
B31	Anencephalus and similar anomalies	1	10	8	8	11	2	-	40	3.7
B35	Congenital anomalies of heart and circulatory system	-	-	8	4	30	1	-	43	4.0
B36	Congenital anomalies of respiratory system	-	1	3	5	5	1	-	15	1.4
B40	Chromosomal anomalies	2	2	1	9	8	2	1	25	2.3
B42-B50	All other causes	-	6	-	2	11	-	11	30	2.8
	ALL CAUSES	64	360	147	193	269	21	30	1,084	100.0

(a) Classified according to main disease or condition in child. See Explanatory Note 8.

TABLE 13. PERINATAL DEATHS: CAUSE OF DEATH (a)  
BY MAIN MATERNAL DISEASE OR CONDITION AFFECTING CHILD, N.S.W., 1986

Code number	Cause of death (a)	Main maternal disease or condition					Total
		Child affected by -					
		Maternal conditions which may be unrelated to present pregnancy	Maternal complications of pregnancy	Complications of placenta, cord and membranes	Other complications of labour and delivery	No maternal condition reported	
B1-B3	Slow fetal growth, fetal malnutrition and immaturity	15	79	53	1	5	153
B2	Extreme immaturity	7	77	40	1	-	125
B4-B5	Birth trauma	-	2	4	2	2	10
B6-B15	Hyposia, birth asphyxia and other respiratory conditions	39	113	182	13	68	415
B6	Fetal death from asphyxia or anoxia before onset of labour or at unspecified time	21	11	123	-	44	199
B7	Fetal death from asphyxia or anoxia during labour	4	15	31	4	5	59
B9	Respiratory distress syndrome	3	24	6	-	2	35
B14	Atelectasis	4	40	6	-	-	50
B16-B19	Fetal and neonatal haemorrhage	2	17	7	10	-	36
B17	Intraventricular haemorrhage	2	17	6	8	-	33
B20-B21	Haemolytic disease of fetus or newborn	-	-	2	-	7	9
B22-B30	Other conditions originating in the perinatal period	22	41	75	6	60	204
B31-B41	Congenital anomalies	10	66	12	45	94	227
B31	Anencephalus and similar anomalies	1	19	1	7	12	40
B35	Congenital anomalies of heart and circulatory system	1	4	2	8	25	43
B36	Congenital anomalies of respiratory system	1	7	1	2	4	15
B40	Chromosomal anomalies	2	8	1	6	8	25
B42-B50	All other causes	3	5	1	1	20	30
	ALL CAUSES	91	323	336	78	256	1,084

(a) Classified according to main disease or condition in child. See Explanatory Note 8.

TABLE 14. PERINATAL DEATHS: MAIN MATERNAL DISEASE OR CONDITION (a)  
BY AGE OF MOTHER AND SEX OF CHILD, N.S.W., 1986

Code number	Main maternal disease or condition (a)	Age group of mother (years)												Sex of child (b)		
		Under 20		20-24		25-29		30-34		35-39		40 or more		M	F	P
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	P
<b>M1-M4 MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY -</b>																
M1	Maternal hypertensive disorders	2	2	7	3	12	8	6	6	2	4	1	1	30	24	54
M2	Maternal renal and urinary tract diseases	-	-	-	1	-	-	-	1	-	1	-	-	-	3	3
M3	Maternal infections	-	-	1	2	1	1	-	-	-	-	-	-	2	3	5
M4	Other maternal conditions	1	2	4	1	5	5	5	2	3	1	-	-	18	11	29
<b>M5-M9 MATERNAL COMPLICATIONS OF PREGNANCY -</b>																
M5	Incompetent cervix	1	-	4	2	4	1	4	7	1	1	1	1	15	12	27
M6	Premature rupture of membranes	4	-	6	1	18	13	10	7	5	4	3	-	46	25	71
M7	Polyhydramnios	1	-	4	3	3	6	2	5	2	2	2	-	14	16	30
M8	Multiple pregnancy	2	-	1	3	5	2	6	1	-	1	-	-	14	7	21
M9	Other maternal complications of pregnancy	8	6	18	15	33	24	25	17	10	17	-	1	94	80	174
<b>M10-M15 COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES -</b>																
M10	Placenta praevia	2	-	1	1	3	3	1	1	2	1	-	4	9	10	19
M11	Other placental separation and haemorrhage	3	4	19	14	20	24	16	13	9	3	2	2	69	60	129
M12	Other and unspecified morphological and functional abnormalities of placenta	5	1	16	5	11	12	9	5	5	3	-	-	46	27	73
M13	Prolapsed cord	1	1	2	1	3	2	-	1	-	-	-	-	6	5	11
M14	Other compression of umbilical cord	4	-	3	5	7	10	8	7	1	6	1	-	24	28	52
M15	Other complications of placenta, cord and membranes	-	-	6	10	6	10	4	5	6	3	1	1	23	29	52
<b>M16-M18 OTHER COMPLICATIONS OF LABOUR AND DELIVERY -</b>																
M16	Breech delivery and extraction	-	-	2	3	5	4	1	1	1	-	-	-	9	8	17
M17	Other malpresentation, malposition and disproportion during labour and delivery	-	-	-	-	3	2	-	-	-	-	-	-	4	2	6
M18	Other complications of labour and delivery	-	1	8	4	15	6	7	8	2	1	-	-	33	22	55
No maternal condition reported		14	9	25	31	33	46	28	30	14	19	3	-	120	136	256
<b>ALL CAUSES</b>		48	26	127	105	187	179	132	117	63	67	14	10	576	508	1,084

(a) Classified according to main maternal disease or condition affecting child. See Explanatory Note 8. (b) Includes children whose mother's age was not stated.

TABLE 15. PERINATAL DEATHS : CAUSE OF DEATH (a) BY TIME OF CESSATION OF HEARTBEAT, N.S.W., 1986

Code number	Cause of death (a)	Heartbeat ceased -										
		Before labour commenced					After delivery					
		Time dead in utero					Unknown whether before or after delivery (b)					
		Under 1 day	1-6 days	1-3 weeks	4 weeks or more	Not stated	Total	During labour	Before delivery, but unknown whether before or during labour	After delivery	Total	
M1-M4	Maternal conditions which may be unrelated to present pregnancy	7	31	6	1	1	46	10	-	1	20	77
M1	Maternal hypertensive disorders	5	19	4	1	-	29	5	-	-	15	49
M5-M9	Maternal complications of pregnancy	11	7	1	2	1	22	42	1	1	79	145
M5	Incompetent cervix	3	1	1	-	1	6	7	-	-	18	31
M6	Premature rupture of membranes	6	1	-	-	-	7	15	-	1	26	49
M8	Multiple pregnancy	-	2	-	2	-	4	12	-	-	17	33
M10-M15	Complications of placenta, cord and membranes	49	94	28	3	12	186	75	15	4	64	344
M10	Placenta praevia	2	1	1	-	-	4	5	-	-	11	20
M11	Other placental separation and haemorrhage	25	21	1	-	4	51	35	9	2	29	126
M12	Other and unspecified morphological and functional abnormalities of placenta	2	34	16	2	4	58	10	2	-	5	75
M13	Prolapsed cord	2	-	-	-	-	2	2	-	1	7	12
M14	Other compression of umbilical cord	6	26	6	1	-	39	7	3	-	1	50
M15	Other complications of placenta, cord and membranes	12	12	4	-	4	32	16	1	1	11	61
M16-M18	Other complications of labour and delivery	-	-	-	-	-	-	4	-	-	3	7
B1-B3	Slow fetal growth, fetal malnutrition and immaturity	-	3	-	-	1	4	1	-	-	-	5
B4-B5	Birth trauma	-	-	-	-	-	-	-	-	-	5	5
B6-B15	Hypoxia, birth asphyxia and other respiratory conditions	10	27	8	1	1	47	7	1	-	54	109
B6	Fetal death from asphyxia or anoxia before onset of labour or at unspecified time	8	26	8	1	1	44	-	1	-	-	45
B16-B19	Fetal and neonatal haemorrhage	-	-	-	-	1	1	1	-	1	32	35
B17	Intraventricular haemorrhage	-	-	-	-	1	1	1	-	-	31	33
B20-B21	Haemolytic disease of fetus or newborn	-	4	1	-	-	5	-	1	-	5	11
B22-B30	Other conditions originating in the perinatal period	9	20	18	1	5	53	7	2	1	25	88
B23	Infections specific to the perinatal period	3	-	-	-	-	3	4	-	-	11	18
B31-B41	Congenital anomalies	4	13	10	-	5	32	47	5	6	142	232
B31	Anencephalus and similar anomalies	-	1	-	-	4	5	20	2	1	11	39
B32	Spina bifida	-	-	1	-	-	1	3	-	-	8	12
B33	Congenital hydrocephalus	1	-	3	-	1	5	5	-	3	5	18
B34	Other deformities of central nervous system	-	2	2	-	-	4	3	-	-	3	10
B35	Congenital anomalies of heart and circulatory system	-	4	-	-	-	4	2	-	-	38	44
B36	Congenital anomalies of respiratory system	-	-	-	-	-	-	-	-	-	17	17
B37	Congenital anomalies of digestive system	-	-	-	-	-	-	-	-	-	2	2
B38	Congenital anomalies of genital organs and urinary system	-	1	-	-	-	1	2	2	1	9	15
B39	Congenital anomalies of musculo-skeletal system and limbs	2	-	-	-	-	2	1	-	-	22	25
B40	Chromosomal anomalies	1	2	1	-	-	4	6	-	-	17	27
B41	Other and unspecified congenital anomalies	-	3	3	-	-	6	5	1	1	10	23
B42-B50	All other causes	1	1	1	-	-	3	1	-	-	22	26
	ALL CAUSES	91	200	73	8	27	399	195	25	14	451	1,084

(a) Classified according to underlying cause of death. See Explanatory Note 9. (b) Child did not breathe after delivery.

TABLE 16. FETAL DEATHS, NEONATAL DEATHS AND PERINATAL DEATHS: CAUSE OF DEATH (ABBREVIATED) (a)  
BY WEIGHT AT BIRTH, N.S.W., 1986

Cause of death	Weight at birth (grams)								Total (b)	
	Under 500	500- 999	1,000- 1,499	1,500- 1,999	2,000- 2,499	2,500- 2,999	3,000- 3,499	3,500- 3,999		4,000 or more
<b>FETAL DEATHS</b>										
Maternal conditions which may be unrelated to present pregnancy	7	13	13	8	5	5	1	2	2	57
Maternal complications of pregnancy	24	32	6	1	-	1	2	-	-	66
Complications of placenta, cord and membranes	39	75	26	25	28	25	39	14	6	280
Other complications of labour and delivery	-	1	-	-	-	-	1	-	-	4
Slow fetal growth, fetal malnutrition and immaturity	-	1	3	-	-	-	-	-	-	5
Birth trauma	-	-	-	-	-	-	-	-	-	-
Hypoxia, birth asphyxia and other respiratory conditions	3	10	6	4	4	12	10	3	3	55
Fetal and neonatal haemorrhage	1	-	-	-	-	-	-	-	-	3
Haemolytic disease of fetus or newborn	-	2	2	1	1	-	-	-	-	6
Other conditions originating in the perinatal period	13	9	4	11	13	5	5	2	1	63
Congenital anomalies	16	26	17	13	5	7	4	-	-	90
Infectious and parasitic diseases and all other causes	-	1	1	-	1	-	-	1	-	4
All causes	103	170	78	63	57	56	62	22	15	633
<b>NEONATAL DEATHS</b>										
Maternal conditions which may be unrelated to present pregnancy	1	16	2	1	-	-	-	-	-	20
Maternal complications of pregnancy	14	55	5	5	-	-	-	-	-	79
Complications of placenta, cord and membranes	11	40	7	1	1	3	1	-	-	64
Other complications of labour and delivery	1	-	-	-	1	-	-	-	-	3
Slow fetal growth, fetal malnutrition and immaturity	-	-	-	-	-	-	-	-	-	-
Birth trauma	-	-	1	1	-	-	1	2	-	5
Hypoxia, birth asphyxia and other respiratory conditions	3	20	6	3	1	9	7	2	2	54
Fetal and neonatal haemorrhage	-	21	9	1	-	-	-	1	-	32
Haemolytic disease of fetus or newborn	-	1	1	-	1	2	-	-	-	5
Other conditions originating in the perinatal period	1	7	5	2	7	-	2	1	-	25
Congenital anomalies	1	8	12	22	15	30	26	19	3	142
Infectious and parasitic diseases and all other causes	-	1	1	2	-	3	8	4	2	22
All causes	32	169	49	38	26	47	45	29	7	451
<b>PERINATAL DEATHS</b>										
Maternal conditions which may be unrelated to present pregnancy	8	29	15	9	5	5	1	2	2	77
Maternal complications of pregnancy	38	87	11	6	-	1	2	-	-	145
Complications of placenta, cord and membranes	50	115	33	26	29	28	40	14	6	344
Other complications of labour and delivery	1	1	-	-	1	1	-	-	1	7
Slow fetal growth, fetal malnutrition and immaturity	-	1	3	-	-	-	1	-	-	5
Birth trauma	-	-	1	1	-	-	1	2	-	5
Hypoxia, birth asphyxia and other respiratory conditions	6	30	12	7	5	21	17	5	5	109
Fetal and neonatal haemorrhage	1	21	9	1	-	-	-	1	2	35
Haemolytic disease of fetus or newborn	-	3	3	1	2	2	-	-	-	11
Other conditions originating in the perinatal period	14	16	9	13	20	5	7	3	1	88
Congenital anomalies	17	34	29	35	20	37	30	19	3	232
Infectious and parasitic diseases and all other causes	-	2	2	2	1	3	8	5	2	26
All causes	135	339	127	101	83	103	107	51	22	1,084

(a) Classified according to underlying cause of death. See Explanatory Note 9. (b) Includes children whose weight at birth was not stated.

TABLE 17. PERINATAL DEATHS : CAUSE OF DEATH (a) (ABBREVIATED) BY SEX, N.S.W.

Note: Figures for 1984-1986 were affected by fluctuations in the registration of fetal deaths and neonatal deaths. See Explanatory Note 5.

Cause of death	Sex	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Maternal conditions which may be unrelated to present pregnancy	M	102	83	93	71	52	43	42	36	47	33	41
	F	82	66	69	50	32	39	42	27	45	34	36
Maternal complications of pregnancy	M	174	151	104	101	123	102	109	70	66	79	89
	F	127	105	87	76	96	92	71	70	61	60	56
Complications of placenta, cord and membranes	M	237	226	210	222	194	197	194	178	175	188	181
	F	185	161	184	167	133	148	165	136	165	133	163
Other complications of labour and delivery	M	28	22	23	17	25	10	20	15	14	12	3
	F	16	14	20	15	10	10	11	12	5	3	4
Slow fetal growth, fetal malnutrition and immaturity	M	36	22	26	11	4	1	2	1	3	2	2
	F	22	21	15	17	2	2	1	2	1	-	3
Birth trauma	M	2	-	1	10	5	3	4	1	2	2	4
	F	-	-	-	6	3	2	3	-	1	3	1
Hypoxia, birth asphyxia and other respiratory conditions	M	100	70	84	64	81	53	48	54	38	46	51
	F	67	56	70	55	56	47	50	41	39	50	58
Fetal and neonatal haemorrhage	M	13	7	13	17	17	27	29	33	23	31	18
	F	10	4	8	8	15	25	24	16	11	18	17
Haemolytic disease of fetus or newborn	M	16	7	9	3	4	7	5	8	7	6	3
	F	11	15	12	8	8	8	3	6	6	5	8
Other conditions originating in the perinatal period	M	49	46	40	69	61	50	52	47	47	43	48
	F	39	44	46	58	54	43	51	50	38	45	40
Congenital anomalies	M	157	134	126	131	140	163	120	128	139	135	119
	F	147	131	111	126	94	120	141	130	98	121	113
Infectious and parasitic diseases	M	5	11	14	1	1	-	3	1	2	1	1
	F	6	3	8	-	-	1	-	1	2	4	-
All other causes	M	18	22	25	18	24	16	14	18	18	13	16
	F	25	21	16	7	12	9	14	8	10	13	9
ALL CAUSES	M	937	801	768	735	731	672	642	590	581	591	576
	F	737	641	646	593	515	546	576	499	482	489	508
	P	1,674	1,442	1,414	1,328	1,246	1,218	1,218	1,089	1,063	1,080	1,084

(a) Classified according to underlying cause of death. See Explanatory Note 9. Causes of death shown for the years 1976 to 1978 are classified according to the Eighth Revision of the International Classification of Diseases, 1965. See Explanatory Note 7.

TABLE 18. PERINATAL DEATHS OF ABORIGINALS AND NON-ABORIGINALS, SYDNEY STATISTICAL DIVISION AND BALANCE OF N.S.W., 1986

Racial origin	Fetal deaths		Neonatal deaths		Perinatal deaths		Total (a)
	Sydney (SD)	Balance of N.S.W.	Sydney (SD)	Balance of N.S.W.	Sydney (SD)	Balance of N.S.W.	
Aboriginal	1	15	6	6	7	21	28
Non-Aboriginal	398	212	286	143	684	355	1,056
Total persons	399	227	292	149	691	376	1,084

(a) Includes children whose mothers were usually resident outside N.S.W., but within Australia. See Explanatory Notes 4 and 11.

TABLE 19. STATISTICAL SUMMARY: BIRTHS AND PERINATAL DEATHS (a), N.S.W.

Note: Figures for 1984-1986 were affected by fluctuations in the registration of fetal deaths and neonatal deaths. See Explanatory Note 5.

Year	Perinatal deaths							
	Total		Number			Rate (b)		
	Live births	fetal deaths and	Fetal deaths	Neonatal deaths	Total	Fetal deaths	Neonatal deaths	Total
1936	46,193	47,612	1,419	1,366	2,785	29.80	29.57	58.49
1937	47,497	48,949	1,452	1,348	2,800	29.66	28.38	57.20
1938	47,319	48,792	1,473	1,320	2,793	30.19	27.90	57.24
1939	48,003	49,363	1,360	1,317	2,677	27.55	27.44	54.23
1940	49,382	50,724	1,342	1,263	2,605	26.46	25.58	51.36
1941	51,729	53,193	1,464	1,527	2,991	27.52	29.52	56.23
1942	52,647	54,058	1,411	1,342	2,753	26.10	25.49	50.93
1943	57,265	58,730	1,465	1,365	2,830	24.94	23.84	48.19
1944	59,612	61,123	1,511	1,309	2,820	24.72	21.96	46.14
1945	61,662	63,202	1,540	1,344	2,884	24.37	21.80	45.63
1946	67,247	68,794	1,547	1,477	3,024	22.49	21.96	43.96
1947	69,398	70,864	1,466	1,489	2,955	20.69	21.46	41.70
1948	67,234	68,560	1,326	1,434	2,760	19.34	21.33	40.26
1949	68,812	70,091	1,279	1,324	2,603	18.25	19.24	37.14
1950	71,592	72,998	1,406	1,345	2,751	19.26	18.79	37.69
1951	72,069	73,360	1,291	1,298	2,589	17.60	18.01	35.29
1952	74,196	75,391	1,195	1,229	2,424	15.85	16.56	32.15
1953	74,890	76,147	1,257	1,286	2,543	16.51	17.17	33.40
1954	73,125	74,332	1,207	1,294	2,501	16.24	17.70	33.65
1955	74,407	75,650	1,243	1,288	2,531	16.43	17.31	33.46
1956	75,714	76,987	1,273	1,285	2,558	16.54	16.97	33.23
1957	79,456	80,738	1,282	1,302	2,584	15.88	16.39	32.00
1958	80,045	81,253	1,208	1,225	2,433	14.87	15.30	29.94
1959	80,866	82,107	1,241	1,324	2,565	15.11	16.37	31.24
1960	81,983	83,244	1,261	1,250	2,511	15.15	15.25	30.16
1961	86,392	87,698	1,306	1,284	2,590	14.89	14.86	29.53
1962	85,439	86,538	1,099	1,321	2,420	12.70	15.46	27.96
1963	84,065	85,230	1,165	1,185	2,350	13.67	14.10	27.57
1964	80,518	81,521	1,003	1,152	2,155	12.30	14.31	26.43
1965	79,069	79,016	947	1,087	2,034	11.98	13.92	25.74
1966	77,776	78,740	964	1,085	2,049	12.24	13.95	26.02
1967	76,841	79,704	863	1,058	1,921	10.83	13.42	24.10
1968 (c)	81,696	82,502	806	1,123	1,929	9.77	13.75	23.38
1969 (c)	86,036	87,116	1,080	1,235	2,315	12.40	14.35	26.57
1970	88,448	89,602	1,154	1,309	2,463	12.88	14.80	27.49
1971	98,466	99,648	1,182	1,260	2,442	11.86	12.80	24.51
1972	95,278	96,429	1,151	1,237	2,388	11.94	12.98	24.76
1973	87,332	88,360	1,028	1,105	2,133	11.63	12.65	24.14
1974	86,162	87,198	1,036	1,057	2,093	11.88	12.27	24.00
1975	80,918	81,713	795	897	1,692	9.73	11.09	20.71
1976	78,492	79,328	836	838	1,674	10.54	10.68	21.10
1977	77,996	78,755	759	683	1,442	9.64	8.76	18.31
1978	77,773	78,502	729	685	1,414	9.29	8.81	18.01
1979	77,134	77,852	718	610	1,328	9.22	7.91	17.06
1980	79,455	80,131	676	570	1,246	8.44	7.17	15.55
1981	81,530	82,216	686	532	1,218	8.34	6.53	14.81
1982	83,489	84,174	685	533	1,218	8.14	6.38	14.47
1983	82,739	83,325	586	503	1,089	7.03	6.08	13.07
1984	77,314	77,956	642	421	1,063	8.24	5.45	13.64
1985	87,258	87,813	555	525	1,080	6.32	6.02	12.30
1986	84,009	84,642	633	451	1,084	7.48	5.37	12.81

(a) Full-blood Aboriginals are excluded from all figures prior to 1966. (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. (c) See Explanatory Notes 1 and 2.

## APPENDIX A

## M LIST OF 18 MAIN MATERNAL DISEASES OR CONDITIONS AFFECTING FETUS OR INFANT

Code	Description	International Code Number
<i>Maternal conditions which may be unrelated to present pregnancy</i>		
M1	Maternal hypertensive disorders	760.0
M2	Maternal renal and urinary tract diseases	760.1
M3	Maternal infections	760.2
M4	Other maternal conditions	Rem. 760
<i>Maternal complications of pregnancy</i>		
M5	Incompetent cervix	761.0
M6	Premature rupture of membranes	761.1
M7	Polyhydramnios	761.3
M8	Multiple pregnancy	761.5
M9	Other maternal complications of pregnancy	Rem. 761
<i>Complications of placenta, cord and membranes</i>		
M10	Placenta praevia	762.0
M11	Other placental separation and haemorrhage	762.1
M12	Other and unspecified morphological and functional abnormalities of placenta	762.2
M13	Prolapsed cord	762.4
M14	Other compression of umbilical cord	762.5
M15	Other complications of placenta, cord and membranes	Rem. 762
<i>Other complications of labour and delivery</i>		
M16	Breech delivery and extraction	763.0
M17	Other malpresentation, malposition and disproportion during labour and delivery	763.1
M18	Other complications of labour and delivery	Rem. 763

## B LIST OF 50 CAUSES OF PERINATAL MORTALITY (CONDITIONS OF FETUS OR INFANT)

Code	Description	International Code Number
<i>Slow fetal growth, fetal malnutrition and immaturity</i>		
B1	Slow fetal growth and fetal malnutrition	764
B2	Extreme immaturity	765.0
B3	Other preterm infants	765.1
<i>Birth trauma</i>		
B4	Birth injury to brain, spine or spinal cord	767.0,767.4
B5	Other birth injury	Rem. 767
<i>Hypoxia, birth asphyxia and other respiratory conditions</i>		
B6	Fetal death from asphyxia or anoxia before onset of labour or at unspecified time	768.0
B7	Fetal death from asphyxia or anoxia during labour	768.1
B8	Fetal distress or birth asphyxia in liveborn infant	768.2-768.9
B9	Respiratory distress syndrome	769
B10	Congenital pneumonia	770.0
B11	Massive aspiration syndrome	770.1
B12	Interstitial emphysema and related conditions	770.2
B13	Pulmonary haemorrhage	770.3
B14	Atelectasis	770.4-770.5
B15	Other respiratory conditions of fetus and newborn	770.6-770.9

**B LIST OF 50 CAUSES OF PERINATAL MORTALITY (CONDITIONS OF FETUS OR INFANT)**  
(continued)

<i>Code</i>	<i>Description</i>	<i>International Code Number</i>
<i>Fetal and neonatal haemorrhage</i>		
B16	Fetal blood loss	772.0
B17	Intraventricular haemorrhage	772.1
B18	Subarachnoid haemorrhage	772.2
B19	Other fetal and neonatal haemorrhage	772.3-772.9
<i>Haemolytic disease of fetus or newborn</i>		
B20	Haemolytic disease due to Rh isoimmunization	773.0
B21	Haemolytic disease due to other and unspecified isoimmunization	773.1-773.5
<i>Other conditions originating in the perinatal period</i>		
B22	Disorders relating to long gestation and high birthweight	766
B23	Infections specific to the perinatal period	771
B24	Perinatal jaundice not due to isoimmunization	774
B25	Endocrine and metabolic disturbances specific to the fetus and newborn	775
B26	Haematological disorders of fetus and newborn	776
B27	Perinatal disorders of digestive system	777
B28	Hydrops fetalis not due to isoimmunization	778.0
B29	Other conditions involving the integument and temperature regulation of fetus and newborn	778.1-778.9
B30	Other and ill-defined conditions originating in the perinatal period	779
<i>Congenital anomalies</i>		
B31	Anencephalus and similar anomalies	740
B32	Spina bifida	741
B33	Congenital hydrocephalus	742.3
B34	Other deformities of central nervous system	Rem. 742
B35	Congenital anomalies of heart and circulatory system	745-747
B36	Congenital anomalies of respiratory system	748
B37	Congenital anomalies of digestive system	749-751
B38	Congenital anomalies of genital organs and urinary system	752,753
B39	Congenital anomalies of musculoskeletal system and limbs	754-756
B40	Chromosomal anomalies	758
B41	Other and unspecified congenital anomalies	743,744,757,759
<i>Infectious and parasitic diseases</i>		
B42	Intestinal infectious diseases	001-009
B43	Septicaemia	038
B44	Viral diseases	045-079
B45	Congenital syphilis	090
B46	Other infectious and parasitic diseases	Rem. 001-139
<i>All other causes</i>		
B47	Pneumonia, other than congenital	480-486
B48	Other specified conditions	Rem. 140-739
B49	Symptoms, signs and ill-defined conditions	780-799
B50	External causes of injury to newborn	E800-E999

**APPENDIX B**  
**NEW SOUTH WALES**

*Registration of Births Deaths and Marriages Act, 1973*

## Medical Certificate of Cause of Perinatal Death

Note—Please  in relevant boxes thus

**Particulars relating to Mother**

1. Full name \_\_\_\_\_
2. Address of usual residence \_\_\_\_\_
3. Date of birth (if known) \_\_\_\_/\_\_\_\_/\_\_\_\_ or Age last birthday \_\_\_\_\_ years
4. Number of previous pregnancies resulting in:
- Live births only \_\_\_\_\_
- Still-births \_\_\_\_\_
- Abortions \_\_\_\_\_
5. Outcome of last previous pregnancy:
- Live birth
- Still-birth
- Abortion
- Date \_\_\_\_/\_\_\_\_/\_\_\_\_
6. Current pregnancy:
- 1st day of last menstrual period \_\_\_\_/\_\_\_\_/\_\_\_\_
- or, if unknown, estimated duration of pregnancy \_\_\_\_\_
- (completed weeks) \_\_\_\_\_
7. Antenatal care, two or more visits:
- Yes
- No
- Not known
8. Delivery.
- Normal spontaneous vertex
- Other (specify) \_\_\_\_\_
9. Attendant at birth/still-birth:
- Specialist Obstetrician
- Other Physician
- Trained midwife
- Other trained person (specify) \_\_\_\_\_
- Other (specify) \_\_\_\_\_
10. Is the mother considered to be an Australian Aborigine? Yes  No

**Particulars relating to Child**

11. Surname and other names, if given \_\_\_\_\_
12. Sex: Male  Female  Indeterminate
13. Time and date of birth/still-birth \_\_\_\_\_ \*a.m./p.m. on \_\_\_\_\_ 19\_\_\_\_
14. Date of death, if live born \_\_\_\_\_ 19\_\_\_\_
15. Age at death \_\_\_\_\_
- (minutes, hours, or days)*
16. Place of death/still-birth \_\_\_\_\_
- Place of birth (if elsewhere)*
17. This birth was: Single  First Twin  Second Twin  Other Multiple \_\_\_\_\_
18. Weight at birth \_\_\_\_\_ grammes
19. Did child breathe after complete expulsion or extraction from the mother? Yes  No
20. Did heart beat cease—
- (a) Before labour commenced . . . . .
- (b) During labour but before delivery . . . . .
- (c) Before delivery but not known whether before or during labour . . . . .
- (d) After delivery . . . . .
- (e) Not known whether before or after delivery . . . . .
21. If heart beat ceased before labour commenced, please estimate how long before: \_\_\_\_\_ hours, or \_\_\_\_\_ days.
22. If heart beat ceased after delivery, please state time \_\_\_\_\_ \*a.m./p.m., and date \_\_\_\_\_

**23. CAUSES OF DEATH (IN BLOCK LETTERS)**

(a) Main disease or condition in foetus or infant—

(b) Other diseases or conditions in foetus or infant—

(c) Main maternal disease or condition affecting foetus or infant—

(d) Other maternal disease or conditions affecting foetus or infant—

(e) Other relevant circumstances—

**24. UNDERLYING CAUSE OF DEATH**  
(See Note on Back of Cover)

25. The cause of death has been confirmed by autopsy  Autopsy information may be available later  Autopsy is not to be held

<sup>1</sup>I attended the mother of the still-born child during confinement

I hereby certify that <sup>2</sup>I attended the child before death

<sup>3</sup>I viewed the body of the child after death

and that the particulars stated above are true to the best of my knowledge and belief.

A notice of intention to sign this certificate was <sup>4</sup>completed on \_\_\_\_\_ (Date)  
<sup>5</sup>not completed

Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence \_\_\_\_\_

Full name of medical practitioner \_\_\_\_\_  
(IN BLOCK LETTERS)

\*Strike out whichever is inapplicable

STATISTICAL LOCAL AREAS

LGA	SLA	NAME	LGA	SLA	NAME
0050	0050	Albury (C)	4300	4300	Junee (S)
0100	0100	Armida (C)	4350	4350	Kempsey (S)
0250	0250	Ballina (S)	4400	4400	Kiama (M)
0300	0300	Balranald (S)	4550	4550	Kyogle (S)
0400	0400	Barrabe (S)	4600	4600	Lachlan (S)
0450	0450	Bathurst (C)	4650	4650	Lake Macquarie (C)
0550	0550	Bega Valley (S)	4750	4750	Leeton (S)
0600	0600	Bellingen (S)	4850	4850	Lismore (C)
0650	0650	Berrigan (S)	4950	4950	Lockhart (S)
0700	0700	Bingara (S)	5000	5000	Maclean (S)
0800	0800	Bland (S)	5050	5050	Maitland (C)
0850		Blayney (S)	5100	5100	Manilla (S)
	0851	Blayney (S) - Pt A	5250	5250	Merriva (S)
	0852	Blayney (S) - Pt B	5300	5300	Moree Plains (S)
0950	0950	Bogan (S)	5400	5400	Mudgee (S)
1000	1000	Bombala (S)	5450	5450	Mulwaree (S)
1050	1050	Boorowa (S)	5500	5500	Murray (S)
1150	1150	Bourke (S)	5550	5550	Murrumbidgee (S)
1200	1200	Brewarrina (C)	5600	5600	Murrurundi (S)
1250	1250	Broken Hill (C)	5650	5650	Muswellbrook (S)
1350	1350	Byron (S)	5700	5700	Nambucca (S)
1400		Cabonne (S)	5750	5750	Narrabri (S)
	1401	Cabonne (S) - Pt A	5800	5800	Narrandera (S)
	1402	Cabonne (S) - Pt B	5850	5850	Narromine (S)
	1403	Cabonne (S) - Pt C	5900		Newcastle (C)
1600	1600	Carrathool (S)	5901		Newcastle (C) - Inner
1650	1650	Casino (M)	5902		Newcastle (C) - Remainder
1700	1700	Central Darling (S)	6000	6000	Nundle (S)
1720	1720	Cessnock (C)	6050	6050	Nymboida (S)
1750	1750	Cobar (S)	6100	6100	Oberon (S)
1800	1800	Coff's Harbour (S)	6150	6150	Orange (C)
1850	1850	Conargo (S)	6200	6200	Parkes (S)
1950	1950	Coolah (S)	6300	6300	Parry (S)
2000	2000	Coolamon (S)	6400	6400	Port Stephens (S)
2050	2050	Cooma-Monaro (S)	6450	6450	Queanbeyan (C)
2100	2100	Coonabarabran (S)	6500	6500	Quirindi (S)
2150	2150	Coonamble (S)	6600	6600	Richmond River (S)
2200	2200	Cootamundra (S)	6750	6750	Rylstone (S)
2250	2250	Copmanhurst (S)	6800	6800	Scone (S)
2300	2300	Corowa (S)	6850	6850	Severn (S)
2350	2350	Cowra (S)	6900	6900	Shellharbour (M)
2400	2400	Crookwell (S)	6950	6950	Shoalhaven (C)
2450	2450	Culcairn (S)	7000	7000	Singleton (S)
2500	2500	Deniliquin (M)	7050	7050	Snowy River (S)
2600	2600	Dubbo (C)	7250	7250	Tallaganda (S)
2650	2650	Dumaresq (S)	7300	7300	Tamworth (C)
2700	2700	Dungog (S)	7350	7350	Temora (S)
2750	2750	Eurobodalla (S)	7400	7400	Tenterfield (S)
2800		Evans (S)	7450	7450	Timbarumba (S)
	2801	Evans (S) - Pt A	7500	7500	Tumut (S)
	2802	Evans (S) - Pt B	7550		Tweed (S)
2900	2900	Forbes (S)	7551		Tweed (S) - Pt A
2950	2950	Gilgandra (S)	7552		Tweed (S) - Pt B
3000	3000	Glen Innes (M)	7600	7600	Ulmarra (S)
3050	3050	Gloucester (S)	7650	7650	Uralla (S)
3150	3150	Goulburn (C)	7700	7700	Urana (S)
3200	3200	Grafton (C)	7750	7750	Wagga Wagga (C)
3300	3300	Greater Lithgow (C)	7800	7800	Wakool (S)
3350	3350	Greater Taree (C)	7850	7850	Walcha (S)
3400	3400	Great Lakes (S)	7900	7900	Walgett (S)
3450	3450	Griffith (S)	7950	7950	Warren (S)
3500	3500	Gundagai (S)	8100	8100	Weddin (S)
3550	3550	Gunnedah (S)	8150	8150	Wellington (S)
3600	3600	Gunning (S)	8200	8200	Wentworth (S)
3650	3650	Guyra (S)	8300	8300	Windouran (S)
3700	3700	Harden (S)	8350	8350	Wingecarribee (S)
3750	3750	Hastings (M)	8450	8450	Wollongong (C)
3850	3850	Hay (S)	8600	8600	Yallaroo (S)
3900	3900	Holbrook (S)	8650	8650	Yarrowlumla (S)
4050	4050	Hume (S)	8700	8700	Yass (S)
4200		Inverell (S)	8750	8750	Young (S)
	4201	Inverell (S) - Pt A	8809		Unincorp Far West
	4202	Inverell (S) - Pt B	8859		Lord Howe Island
4250	4250	Jerilderie (S)	9779		Off-Shore Areas & Migratory



Statistical Division	9779
Statistical Sub-Division	9779
Statistical Local Area	7900



Prepared for the Australian Bureau of Statistics  
by the Division of National Mapping, 1987



Statistical Division ..... **05 SYDNEY**  
 Statistical Subdivision ..... **INNER SYDNEY 05**  
 Statistical Local Area ..... **3800**

STATISTICAL LOCAL AREAS

LGA	SLA	NAME
0180	0180	Ashfield (M)
0200	0200	Auburn (M)
0360	0360	Bankstown (C)
0600	0600	Baulkham Hills (S)
0750	0750	Blacktown (C)
0900	0900	Blue Mountains (C)
1100	1100	Botany (M)
1300	1300	Burwood (M)
1450	1450	Camden (M)
1500	1500	Campbelltown (C)
1550	1550	Canterbury (M)
1900	1900	Concord (M)
2650	2650	Drummoyne (M)
2850	2850	Fairfield (C)
3100	3100	Gosford (C)
3800	3800	Hawkesbury (S)
3950	3950	Holroyd (M)
4000	4000	Hornsby (S)
4100	4100	Hunter's Hill (M)
4150	4150	Hurstville (M)
4450	4450	Kogarah (M)
4500	4500	Ku-Ring-Gai (M)
4700	4700	Lane Cove (M)
4800	4800	Leichhardt (M)
4900	4900	Liverpool (C)
5150	5150	Manly (M)
5200	5200	Marrickville (M)
5350	5350	Mosman (M)
5950	5950	North Sydney (M)
6250	6250	Parramatta (C)
6350	6350	Penrith (C)
6550	6550	Randwick (M)
6650	6650	Rockdale (M)
6700	6700	Ryde (M)
7100	7100	Strathfield (M)
7150	7150	Sutherland (S)
7200		Sydney (C)
	7201	Sydney (C) - Inner
	7202	Sydney (C) - Remainder
8000	8000	Warringah (S)
8050	8050	Waverley (M)
8250	8250	Willoughby (M)
8400	8400	Wollondilly (S)
8500	8500	Woolahra (M)
8650	8650	Wyong (S)

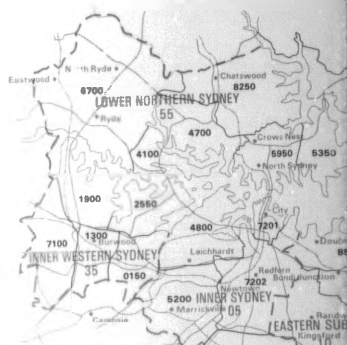


**SYDNEY  
STATISTICAL DIV**

1986 CENSUS

SCALE 1:800 000

Kilometres 5 0 5 10 15



**ENLARGEMENT**

SCALE 1:250 000

Kilometres 2 0 2 4 6 8 10 Kilometres



Prepared for the Australian Bureau of Statistics  
by the Division of National Mapping, 1987

**PUBLICATIONS ISSUED BY AUSTRALIAN BUREAU OF STATISTICS (SYDNEY)**

The ABS issues a large range of publications presenting statistics relating to New South Wales. All of these are obtainable from the Australian Bureau of Statistics, St. Andrew's House, Sydney Square (George Street, next to Sydney Town Hall), Sydney.

The *New South Wales Year Book* presents a comprehensive statistical survey of the social, demographic, and economic structure and growth of the State, and describes the legislative provisions and administrative arrangements which are of significance for a proper interpretation and analysis of the statistics of the State. The *Pocket Year Book* and *New South Wales in Brief* contain a wide range of statistical and other material in compact form and are useful for handy reference. More recent statistics are available in the *Monthly Summary of Statistics*. *Regional Statistics* presents a selection of the more important statistics available for geographical areas of the State. More detailed statistics relating to matters treated generally in the above publications are available in the various *subject bulletins*, which range from preliminary monthly statements to detailed bulletins presenting the results of periodic censuses, etc. The date of release and current price of the more important bulletins issued by this Office appears below.

Catalogue No.	Publication	Month of issue	Price (\$)	
			Excl. Postage	Incl. Postage
<b>GENERAL</b>				
1300.1	New South Wales Year Book, No. 70, 1986 (softcover)	May 1986	27.50	30.70
1301.1	New South Wales Year Book, No. 70, 1986 (hardcover)	May 1986	32.50	35.70
1302.1	Pocket Year Book of New South Wales, 1987	May 1987	- 4.20 -	
1303.1	New South Wales in Brief	May 1987	- Free -	
1304.1	Regional Statistics, New South Wales, 1987	Feb. 1987	- 3.40 -	
1305.1	Monthly Summary of Statistics, February 1988	Feb. 1988	- 7.50 -	
<b>POPULATION CENSUS</b>				
Census 1981 -				
2201.1	Families with Children under 16 Years	Nov. 1984	1.70	2.40
2202.1	Internal Migration between 1976 and 1981 by Local Govt. Areas - Characteristics of Persons and Dwellings in Local Govt. Areas - Part 1, Sydney, Hunter and Illawarra Statistical Divisions	Mar. 1984	1.70	2.40
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3101.1	Population and Migration, 1985	Apr. 1987	- 1.80 -	
3208.1	Estimated Resident Population and Components of Change in Population of Local Government Areas, 1976 to 1981	Sept. 1983	1.00	1.70
3209.1	Age and Sex Distribution of the Estimated Resident Population of Statistical Local Areas, 1986	Jan. 1988	- 7.50 -	
3302.1	Causes of Death, 1985	Jan. 1987	- Free -	
3303.1	Perinatal Deaths, 1986	Mar. 1988	- 5.00 -	
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3306.1	Births, 1986	Jan. 1988	- 7.50 -	
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<b>SOCIAL</b>				
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<b>FINANCE AND LABOUR</b>				
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7322.1	Fruit, 1985-86	Apr. 1987	- 2.30 -	
7411.1	Agricultural Land Use and Selected Inputs, 1985-86	June 1987	- 2.30 -	
7501.1	Value of Agricultural Commodities Produced, 1985-86	Aug. 1987	- 1.80 -	
<b>MANUFACTURING AND MINING</b>				
Census of Manufacturing Establishments, 1984-85 -				
8201.1	Summary of Operations by Industry Class	Sept. 1986	- Free -	
8203.1	Small Area Statistics by Industry	Oct. 1986	1.90	2.80
8204.1	Selected Items of Data by Industry and Employment Size	Oct. 1986	- Free -	
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8401.1	Mining, 1985-86	Aug. 1987	- Free -	
<b>TOURISM AND BUILDING</b>				
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8741.1	Dwelling Unit Commencements Reported by Approving Authorities (quarterly) April - June 1987	Feb. 1988	- 5.00 -	
8752.1	Building Activity, September Quarter 1987	Feb. 1988	- 5.00 -	

Recommended retail price: \$5.00