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**Perinatal Deaths
Australia**

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**PERINATAL DEATHS, AUSTRALIA
1993**

IAN CASTLES
Australian Statistician

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INQUIRIES	<ul style="list-style-type: none"> • for further information about statistics in this publication and the availability of related unpublished statistics, contact Coleen Hayes on Brisbane (07) 222 6050 or any ABS State office. • for information about other ABS statistics and services please refer to the back page of this publication.
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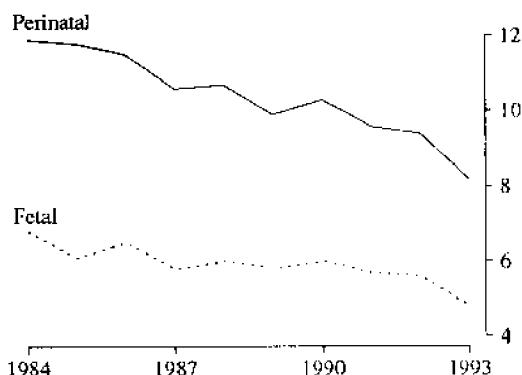
SUMMARY OF FINDINGS

General

There were 2,131 perinatal deaths registered in Australia during 1993, a 15 per cent decrease from the 2,508 deaths in 1992. Of the 1993 perinatal deaths, 1,245 were fetal deaths (stillbirths) and 886 were neonatal deaths (children born alive who died within 28 days of birth).

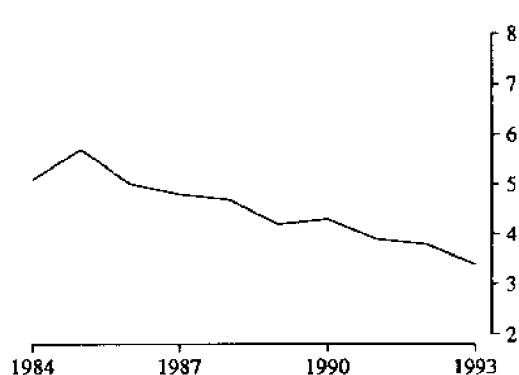
As shown in Diagram 1, the perinatal death rate has decreased from 11.9 perinatal deaths per 1,000 births in 1984 to 8.2 perinatal deaths per 1,000 births in 1993. This is the lowest perinatal death rate on record.

DIAGRAM 1. PERINATAL AND FETAL DEATH RATES(a), AUSTRALIA, 1984 TO 1993



(a) Deaths per 1,000 live births and fetal deaths combined.

DIAGRAM 2. NEONATAL DEATH RATES(a) AUSTRALIA, 1984 TO 1993



(a) Deaths per 1,000 live births

The large fall in the number of perinatal deaths was largely accounted for by a 23 per cent decrease in the number of perinatal deaths in New South Wales (from 991 in 1992 to 766 in 1993). The Northern Territory continues to have the highest perinatal death rate of any State or Territory, with 19.3 perinatal deaths per 1,000 births in 1993. Tasmania had the next highest rate in 1993 at 9.5. The lowest perinatal death rate was 7.2 deaths per 1,000 births, recorded in the Australian Capital Territory.

Sex of child

In 1993, the number of male perinatal deaths (1,179) exceeded the number of female perinatal deaths (952) by a ratio of 124 male deaths for every 100 female deaths. This compares to a live birth ratio of 105 males to 100 females. The ratio of male to female perinatal deaths in 1993 was slightly higher than the 1992 ratio of 121 to 100.

The perinatal death rate for both males and females decreased between 1992 and 1993. The male rate fell from 10.1 to 8.8 perinatal deaths per 1,000 births, while the female rate decreased from 8.8 in 1992 to 7.5 in 1993. The rates recorded in 1993 are the lowest ever recorded for both males and females.

Maternal age

In 1993 the perinatal death rates for all maternal age groups decreased. The most significant decrease in 1993 was recorded for mothers aged 40 years and over. The perinatal death rate of 10.6 perinatal deaths per 1,000 births is the lowest recorded to date for this age group, and a substantial decrease from the 15.4 perinatal deaths per 1,000 births recorded in 1992. The highest perinatal death rate was recorded for mothers aged 20 years and under at 11.6 perinatal deaths per 1,000 births, and the lowest for mothers aged 30 to 34 years, at 7.1 perinatal deaths per 1,000 births.

Time of death

In 1993, there were 877 fetal deaths before labour commenced. Of these deaths 419 (48 per cent) occurred from 1 day to less than 7 days prior to commencement of labour. A further 249 fetal deaths (28 per cent of all fetal deaths) occurred during labour. This is a decrease from the 282 fetal deaths during labour recorded in 1992. Of the neonatal deaths in 1993, 51 per cent occurred within 1 day of birth and 78 per cent within 7 days of birth.

Birthweight

Just over half of the perinatal deaths, 55 per cent in 1993, involved children who weighed less than 2,000 grams at birth. Of this group, 60 per cent were children weighing less than 1,000 grams.

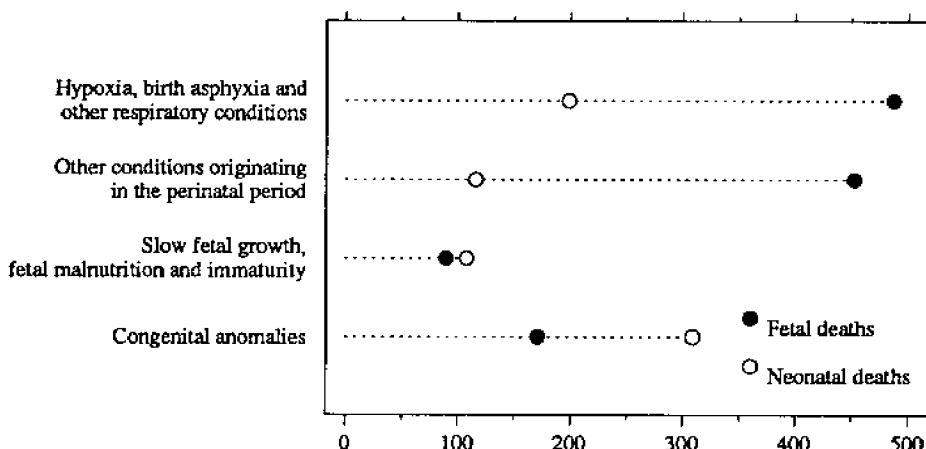
Gestation

Almost a third of all perinatal deaths, 31 per cent in 1993, involved children with a gestational period of less than 28 weeks.

Causes of death

The main cause of perinatal death in 1993 was *hypoxia, birth asphyxia and other respiratory conditions*, responsible for 686 deaths, a large decrease (24 per cent) on the 909 deaths from this cause in 1992. *Other conditions originating in the perinatal period* was the second highest cause, with 568 deaths, followed by *congenital anomalies* (which includes *spina bifida* and *anencephalus*) with 480 deaths. Collectively these causes accounted for 81 per cent of all perinatal deaths in 1993.

DIAGRAM 3. PERINATAL DEATHS: MAIN CONDITION IN FETUS/INFANT, AUSTRALIA, 1993



A maternal condition affecting the fetus or infant was reported in 62 per cent of perinatal deaths. *Complications of the placenta, cord and membranes* was the most common maternal condition, reported in 658 (31 per cent) perinatal deaths in 1993. The next most common maternal condition was *maternal complications of pregnancy*, reported in 388 (18 per cent) deaths.

Note on definitions

The above Summary of Findings is based on recommendations of the World Health Organisation (WHO) for compilation of national statistics of perinatal deaths. The data are contained in Tables 1 to 16.

For the purpose of international comparison of statistics of perinatal deaths, WHO recommends a reduced scope for their compilation. Data compiled for this purpose are contained in Tables 17 to 19.

See Explanatory Notes paragraphs 3, 6 and 17 for definitions.

TABLE 1. PERINATAL DEATHS : FETAL AND NEONATAL DEATHS BY SEX OF CHILD, NUMBER AND RATE,
AUSTRALIA, 1988 TO 1993

Year	Fetal deaths			Neonatal deaths			All perinatal deaths		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
NUMBER									
1988	822	651	1,473	669	495	1,164	1,491	1,146	2,637
1989	769	682	1,451	595	463	1,058	1,364	1,145	2,509
1990	888	702	1,590	660	462	1,122	1,548	1,164	2,712
1991	777	701	1,478	571	441	1,012	1,348	1,142	2,490
1992	779	714	1,493	596	419	1,015	1,375	1,133	2,508
1993	668	577	1,245	511	375	886	1,179	952	2,131
RATE(a)									
1988	6.5	5.4	6.0	5.3	4.1	4.7	11.7	9.5	10.7
1989	6.0	5.5	5.8	4.6	3.8	4.2	10.6	9.3	9.9
1990	6.5	5.5	6.0	4.9	3.6	4.3	11.4	9.1	10.3
1991	5.9	5.6	5.7	4.3	3.5	3.9	10.2	9.1	9.6
1992	5.7	5.5	5.6	4.4	3.3	3.8	10.1	8.8	9.4
1993	5.0	4.5	4.8	3.8	3.0	3.4	8.8	7.5	8.2

(a) Rates are per 1,000 of total relevant births - see also paragraphs 6 to 9 of the Explanatory Notes.

TABLE 2. PERINATAL DEATHS BY STATE OR TERRITORY OF USUAL RESIDENCE OF MOTHER, NUMBER AND RATE,
1988 TO 1993

Year	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Australia
	NUMBER								
1988	946	632	432	193	228	89	69	48	2,637
1989	892	600	410	199	221	75	72	40	2,509
1990	960	705	419	204	238	71	61	54	2,712
1991	880	578	457	158	224	82	61	50	2,490
1992	991	541	433	157	218	64	64	40	2,508
1993	766	482	378	154	184	65	70	32	2,131
RATE(a)									
1988	11.1	10.1	10.6	10.0	9.0	13.0	19.9	11.0	10.7
1989	10.3	9.3	9.7	10.1	8.8	11.0	21.1	9.6	9.9
1990	10.5	10.5	9.3	10.2	9.3	10.0	17.0	12.0	10.3
1991	10.0	8.8	10.3	8.0	8.8	11.9	16.8	10.5	9.6
1992	10.6	8.2	9.3	8.1	8.7	9.1	17.0	9.0	9.4
1993	8.5	7.5	8.1	7.6	7.3	9.5	19.3	7.2	8.2

(a) Rates are per 1,000 of total relevant births - see also paragraphs 6 to 9 of the Explanatory Notes.

TABLE 3. PERINATAL DEATHS BY AGE OF MOTHER, NUMBER AND RATE, AUSTRALIA, 1988 TO 1993

Year	Age of mother (years)							Total
	Under 20	20-24	25-29	30-34	35-39	40 and over	Not stated	
NUMBER								
1988	204	588	882	592	251	49	71	2,637
1989	190	530	819	628	232	52	58	2,509
1990	213	554	898	691	265	60	31	2,712
1991	208	520	752	664	236	69	41	2,490
1992	184	514	753	661	261	64	71	2,508
1993	154	431	639	552	244	45	66	2,131
RATE(a)								
1988	14.5	11.0	9.2	9.6	12.9	17.8	..	10.7
1989	13.2	10.2	8.5	9.6	11.0	16.6	..	9.9
1990	14.0	10.4	9.2	9.7	11.6	17.0	..	10.3
1991	14.0	10.0	8.1	9.3	9.8	18.9	..	9.6
1992	12.9	9.7	8.2	8.7	10.0	15.4	..	9.4
1993	11.6	8.5	7.2	7.1	9.1	10.6	..	8.2

(a) Rates are per 1,000 of total relevant births - see also paragraphs 6 to 9 of the Explanatory Notes.

TABLE 4. PERINATAL DEATHS BY TIME OF CESSION OF HEARTBEAT, SEX OF CHILD AND STATE OR TERRITORY OF USUAL RESIDENCE OF MOTHER,
1993

		Australia										
		Sex	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Number	Rate(b)
<i>Time of cessation of heartbeat</i>												
Before delivery —												
Before labour commenced	M	148	116	71	40	57	15	14	8	469	3.5	
F	F	158	90	61	27	33	15	13	11	408	3.2	
M	M	54	30	30	10	9	3	1	1	138	1.0	
F	F	47	26	14	7	9	4	3	1	111	0.9	
M	M	12	13	10	5	4	2	1	—	47	0.4	
F	F	19	12	6	4	4	1	1	—	47	0.4	
M	M	6	—	4	2	—	1	1	—	14	0.1	
F	F	7	1	1	1	1	—	—	—	11	0.1	
M	M	220	159	115	57	70	21	17	9	668	..	
F	F	231	129	82	39	47	20	17	12	577	..	
P	P	451	288	197	96	117	41	34	21	1,245	..	
M	M	4.8	4.8	4.8	5.5	5.4	5.9	8.9	4.0	..	5.0	
F	F	5.3	4.7	3.6	3.9	3.9	6.0	9.8	5.5	..	4.5	
P	P	5.0	4.5	4.2	4.8	4.6	6.0	9.4	4.7	..	4.8	
After delivery (neonatal deaths) — number	M	172	114	104	35	40	14	23	9	511	..	
F	F	143	80	77	23	27	10	13	2	375	..	
P	P	315	194	181	58	67	24	36	11	886	..	
M	M	3.7	3.5	4.3	3.4	3.1	4.0	12.2	4.0	..	3.8	
F	F	3.3	2.6	3.4	2.3	2.2	3.0	7.6	0.9	..	3.0	
P	P	3.5	3.0	3.9	2.9	2.7	3.5	10.0	2.5	..	3.4	
All perinatal deaths — number	M	392	273	219	92	110	35	40	18	1,179	..	
F	F	374	209	159	62	74	30	30	14	952	..	
P	P	766	482	378	154	184	65	70	32	2,131	..	
M	M	8.5	8.3	9.1	8.9	8.5	9.9	21.0	8.0	..	8.8	
F	F	8.6	6.7	7.0	6.3	6.1	9.0	17.3	6.4	..	7.5	
P	P	8.5	7.5	8.1	7.6	7.3	9.5	19.3	7.2	..	8.2	

(a) Included as fetal deaths in this publication. (b) Rates are per 1,000 of relevant births - see also paragraphs 6 to 9 of the Explanatory Notes.

TABLE 5. PERINATAL DEATHS: MAIN CAUSE OR CONDITION IN FETUS/INFANT AND MOTHER,
BY STATE OR TERRITORY OF USUAL RESIDENCE OF MOTHER, 1993

Cause of death and ICD code	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Australia
All causes	766	482	378	154	184	65	70	32	2,131
Main condition in fetus/infant —									
Slow fetal growth, fetal malnutrition and immaturity (764, 765)	72	43	36	20	12	6	9	—	198
Birth trauma (767)	15	6	12	3	2	1	—	2	41
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	240	222	95	30	44	29	16	10	686
Fetal and neonatal haemorrhage (772)	29	18	15	7	5	1	2	—	77
Haemolytic disease of fetus or newborn (773)	4	4	4	1	—	—	—	1	14
Other conditions originating in the perinatal period (766, 771, 774-779)	222	67	106	57	68	14	25	9	568
Congenital anomalies (740-759)	164	109	94	33	46	13	13	8	480
All other causes (001-739, 780-999)	20	13	16	3	7	1	5	2	67
Main condition in mother —									
Maternal conditions which may be unrelated to present pregnancy (760)	66	51	43	14	18	4	11	2	209
Maternal complications of pregnancy (761)	158	82	75	20	24	10	17	2	388
Complications of placenta, cord and membranes (762)	248	151	123	45	58	14	14	5	658
Other complications of labour and delivery (763)	16	21	5	7	6	2	2	—	59
No maternal condition reported	278	177	132	68	78	35	26	23	817

TABLE 6. PERINATAL DEATH RATES (a) : AGE OF MOTHER BY MAIN CAUSE OR CONDITION IN FETUS/INFANT AND MOTHER, AUSTRALIA, 1993

Cause of death and ICD code	Age of mother (years)						Total(b)
	Under 20	20-24	25-29	30-34	35-39	40 and over	
All causes	11.6	8.5	7.2	7.1	9.1	10.6	8.2
Main condition in fetus/infant —							
Slow fetal growth, fetal malnutrition and immaturity (764, 765)	1.2	0.9	0.6	0.7	0.9	0.9	0.8
Birth trauma (767)	—	0.2	0.1	0.2	0.3	—	0.2
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	3.5	2.8	2.5	2.1	2.7	3.5	2.6
Fetal and neonatal haemorrhage (772)	0.2	0.3	0.2	0.4	0.3	—	0.3
Haemolytic disease of fetus or newborn (773)	—	—	0.1	—	0.2	—	0.1
Other conditions originating in the perinatal period (766, 771, 774-779)	3.8	2.2	1.9	1.9	2.7	2.6	2.2
Congenital anomalies (740-759)	2.2	1.9	1.6	1.6	2.0	3.3	1.8
All other causes (001-739, 780-999)	0.8	0.3	0.1	0.2	0.1	0.2	0.3
Main condition in mother —							
Maternal conditions which may be unrelated to present pregnancy (760)	1.4	0.8	0.7	0.8	0.7	1.9	0.8
Maternal complications of pregnancy (761)	2.3	1.7	1.2	1.3	1.9	0.7	1.5
Complications of placenta, cord and membranes (762)	3.4	2.4	2.5	2.2	2.9	3.1	2.5
Other complications of labour and delivery (763)	0.4	0.2	0.1	0.3	0.2	0.2	0.2
No maternal condition reported	4.2	3.3	2.7	2.6	3.3	4.7	3.1

(a) Rates are per 1,000 of total relevant births - see paragraph 8 of the Explanatory Notes. (b) Including age not stated.

TABLE 7. PERINATAL DEATHS BY SEX OF CHILD AND MAIN CAUSE OR CONDITION IN FETUS/INFANT AND MOTHER, AUSTRALIA

<i>Cause of death and ICD code</i>	<i>Sex</i>	<i>1984</i>	<i>1985</i>	<i>1986</i>	<i>1987</i>	<i>1988</i>	<i>1989</i>	<i>1990</i>	<i>1991</i>	<i>1992</i>	<i>1993</i>
All causes	M	1,551	1,615	1,550	1,438	1,491	1,364	1,548	1,348	1,375	1,179
MAIN CONDITION IN FETUS/INFANT											
♂											
<i>Slow fetal growth, fetal malnutrition and immaturity (764, 765)</i>	M	119	117	175	156	160	144	137	141	144	106
	F	111	113	125	130	119	121	101	100	94	92
<i>Slow fetal growth and fetal malnutrition (764)</i>	M	16	25	33	37	38	47	22	27	31	21
	F	17	26	30	40	28	48	23	22	13	34
<i>Extreme immaturity (765.0)</i>	M	96	90	127	111	118	88	111	106	110	83
	F	89	79	92	87	86	70	74	76	78	57
<i>Birth trauma (767)</i>	M	24	34	22	14	16	18	18	8	8	21
	F	7	15	9	10	13	10	12	13	11	20
<i>Birth injury to brain, spine or spinal cord (767.0, 767.4)</i>	M	20	26	16	13	15	13	16	8	8	21
	F	6	13	7	10	13	5	12	13	10	20
<i>Hypoxia, birth asphyxia and other respiratory conditions (768-770)</i>	M	566	599	590	524	563	527	564	532	487	380
	F	483	466	485	371	414	430	424	415	422	306
<i>Fetal death from asphyxia or anoxia before onset of labour or at unspecified time (768.0)</i>	M	283	280	288	251	273	258	277	282	284	206
	F	267	218	276	200	211	226	228	219	255	195
<i>Fetal death from asphyxia or anoxia during labour (768.1)</i>	M	71	66	80	65	78	68	78	82	48	39
	F	83	56	63	53	55	68	65	71	53	31
<i>Fetal distress or birth asphyxia in liveborn infant (768.2-768.6)</i>	M	29	46	45	53	47	37	46	30	37	37
	F	21	18	23	29	32	34	26	34	34	18
<i>Respiratory distress syndrome (769)</i>	M	82	107	89	76	81	71	75	67	42	38
	F	50	73	40	35	50	33	45	37	29	19
<i>Congenital pneumonia (770.0)</i>	M	27	13	9	17	11	7	6	8	7	12
	F	8	14	8	14	8	13	6	8	5	2
<i>Massive aspiration syndrome (770.1)</i>	M	12	17	14	11	15	21	14	14	9	6
	F	9	23	23	9	20	16	19	13	10	12
<i>Atelectasis (770.4-770.5)</i>	M	20	19	28	20	24	25	32	23	32	16
	F	15	20	30	12	15	15	18	13	17	7
<i>Fetal and neonatal haemorrhage (772)</i>	M	60	65	43	68	69	55	63	47	33	40
	F	43	56	46	47	38	54	51	45	25	37
<i>Intraventricular haemorrhage (772.1)</i>	M	43	52	34	38	40	42	48	36	26	27
	F	32	33	34	20	23	32	31	26	17	24
<i>Haemolytic disease of fetus or newborn (773)</i>	M	11	15	9	6	9	7	3	5	11	7
	F	12	12	11	5	3	10	10	5	9	7

TABLE 7. PERINATAL DEATHS BY SEX OF CHILD AND MAIN CAUSE OR CONDITION IN FETUS/INFANT AND MOTHER, AUSTRALIA —continued

<i>Cause of death and ICD code</i>	<i>Sex</i>	<i>1984</i>	<i>1985</i>	<i>1986</i>	<i>1987</i>	<i>1988</i>	<i>1989</i>	<i>1990</i>	<i>1991</i>	<i>1992</i>	<i>1993</i>
MAIN CONDITION IN FETUS/INFANT											
<i>Other conditions originating in the perinatal period (766, 771, 774-779)</i>	<i>M</i>	332	320	321	307	323	307	412	290	364	317
	<i>F</i>	280	277	251	266	267	244	284	307	329	251
<i>Infections specific to the perinatal period (771)</i>	<i>M</i>	38	44	39	34	37	42	63	37	44	37
	<i>F</i>	36	34	25	37	33	24	29	29	38	31
<i>Hydrops fetalis not due to isoimmunization (778.0)</i>	<i>M</i>	14	18	21	20	19	25	23	13	21	16
	<i>F</i>	13	12	12	17	20	18	18	21	29	24
<i>Congenital anomalies (740-759)</i>	<i>M</i>	389	411	340	321	312	267	314	288	291	270
	<i>F</i>	282	335	299	296	261	248	250	224	221	210
<i>Anencephalus and similar anomalies (740)</i>	<i>M</i>	37	45	40	23	20	29	21	16	13	11
	<i>F</i>	55	55	54	46	44	29	31	21	17	22
<i>Spina bifida (741)</i>	<i>M</i>	26	33	28	13	20	13	17	20	11	11
	<i>F</i>	18	34	19	29	20	21	20	15	14	10
<i>Congenital hydrocephalus (742.3)</i>	<i>M</i>	36	28	16	28	20	13	17	14	15	11
	<i>F</i>	14	17	22	14	12	12	14	12	11	18
<i>Other deformities of central nervous system (742.0-742.2, 742.4-742.9)</i>	<i>M</i>	12	19	15	16	10	12	7	9	10	13
	<i>F</i>	15	13	25	13	15	14	11	10	12	19
<i>Congenital anomalies of heart and circulatory system (745-747)</i>	<i>M</i>	95	82	69	61	74	65	64	62	65	65
	<i>F</i>	61	53	55	55	55	47	45	44	51	43
<i>Congenital anomalies of respiratory system (748)</i>	<i>M</i>	30	42	31	37	42	27	29	21	37	30
	<i>F</i>	18	21	17	24	15	13	19	14	15	15
<i>Congenital anomalies of digestive system (749-751)</i>	<i>M</i>	5	9	6	5	5	2	4	4	3	3
	<i>F</i>	5	6	7	5	9	2	5	2	1	1
<i>Congenital anomalies of genital organs and urinary system (752, 753)</i>	<i>M</i>	37	32	29	33	25	25	38	37	28	29
	<i>F</i>	18	21	13	15	10	14	14	12	11	11
<i>Congenital anomalies of musculoskeletal system and limbs (754-756)</i>	<i>M</i>	38	42	37	46	26	32	47	38	42	37
	<i>F</i>	23	36	26	28	24	26	26	25	34	23
<i>Chromosomal anomalies (758)</i>	<i>M</i>	32	37	35	31	46	32	42	44	40	41
	<i>F</i>	27	50	40	41	37	47	42	52	32	31
<i>All other causes (001-739, 780-999)</i>	<i>M</i>	50	54	50	42	39	39	37	37	37	38
	<i>F</i>	28	49	36	34	31	28	32	33	22	29

TABLE 7. PERINATAL DEATHS BY SEX OF CHILD AND MAIN CAUSE OR CONDITION IN FETUS/INFANT AND MOTHER, AUSTRALIA —continued

Cause of death and ICD code	Sex	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
		MAIN CONDITION IN MOTHER									
<i>Maternal conditions which may be unrelated to present pregnancy (760)</i>											
M	M	144	179	150	154	141	148	203	123	118	114
F	F	152	157	142	147	121	109	126	118	121	95
M	M	85	96	76	65	79	82	110	53	54	36
F	F	87	89	79	70	59	59	72	64	54	42
<i>Maternal complications of pregnancy (761)</i>											
M	M	307	328	346	275	297	270	288	241	264	242
F	F	230	245	213	190	199	195	191	196	192	146
M	M	52	47	42	33	38	35	21	24	16	13
F	F	39	28	25	25	28	16	25	17	29	13
M	M	60	60	76	60	83	63	91	63	69	—
F	F	55	46	41	42	52	56	59	59	45	1
M	M	16	26	27	20	25	18	27	18	20	25
F	F	22	13	25	20	19	21	21	19	14	19
M	M	40	39	56	44	34	39	25	34	34	61
F	F	28	37	28	24	19	31	23	18	14	39
M	M	139	156	145	118	117	115	124	102	125	143
F	F	86	121	94	79	81	71	63	83	90	74
<i>Polyhydramnios (761.3)</i>											
M	M	40	39	56	44	34	39	25	34	34	61
F	F	28	37	28	24	19	31	23	18	14	39
M	M	139	156	145	118	117	115	124	102	125	143
F	F	86	121	94	79	81	71	63	83	90	74
<i>Multiple pregnancy (761.5)</i>											
M	M	445	442	439	436	440	376	430	400	341	353
F	F	379	342	372	336	315	347	318	328	286	305
M	M	24	17	15	11	7	5	18	12	4	6
F	F	14	8	16	10	5	5	1	7	6	2
M	M	194	174	158	160	187	148	171	159	149	161
F	F	129	141	135	113	106	111	116	108	102	100
<i>Complications of placenta, cord and membranes (762)</i>											
M	M	77	101	106	107	108	80	94	88	64	56
F	F	98	71	72	80	75	86	92	83	63	65
M	M	11	26	18	29	17	12	12	15	17	15
F	F	17	10	14	9	12	6	7	7	9	6
M	M	89	84	93	75	78	76	72	79	54	56
F	F	84	65	78	74	63	88	50	74	64	56
M	M	50	40	49	54	43	55	63	47	53	59
F	F	37	47	57	50	54	51	52	49	42	76
<i>Prolapsed cord (762.4)</i>											
M	M	49	51	45	41	25	22	29	13	17	31
F	F	10	7	14	9	2	4	5	3	1	2
M	M	581	577	545	537	576	542	601	556	632	442
F	F	436	528	490	439	486	472	500	487	517	375
<i>Other complications of labour and delivery (763)</i>											
M	M	74	89	70	36	37	28	26	28	20	28
F	F	49	51	45	41	25	22	29	13	17	31
M	M	16	20	11	8	7	10	3	6	4	2
F	F	10	7	14	9	2	4	5	3	1	2
<i>No maternal condition reported</i>											

TABLE 8. PERINATAL DEATHS: FETAL AND NEONATAL DEATHS BY SEX OF CHILD AND MAIN CAUSE OR CONDITION IN FETUS/INFANT AND MOTHER, AUSTRALIA, 1993

Cause of death and ICD code	Fetal deaths		Neonatal deaths		All perinatal deaths		
	Males	Females	Males	Females	Males	Females	Persons
All causes	668	577	511	375	1,179	952	2,131
MAIN CONDITION IN FETUS/INFANT							
Slow fetal growth, fetal malnutrition and immaturity (764, 765)	41	49	65	43	106	92	198
Slow fetal growth and fetal malnutrition (764)	20	34	1	—	21	34	55
Extreme immaturity (765.0)	21	14	62	43	83	57	140
Birth trauma (767)	—	1	21	19	21	20	41
Birth injury to brain, spine or spinal cord (767.0, 767.4)	—	1	21	19	21	20	41
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	254	233	126	73	380	306	686
Fetal death from asphyxia or anoxia before onset of labour or at unspecified time (768.0)	206	195	—	—	206	195	401
Fetal death from asphyxia or anoxia during labour (768.1)	39	31	—	—	39	31	70
Fetal distress or birth asphyxia in liveborn infant (768.2-768.6)	—	—	37	18	37	18	55
Respiratory distress syndrome (769)	—	—	38	19	38	19	57
Congenital pneumonia (770.0)	3	1	9	1	12	2	14
Massive aspiration syndrome (770.1)	2	5	4	7	6	12	18
Atelectasis (770.4-770.5)	—	—	16	7	16	7	23
Fetal and neonatal haemorrhage (772)	11	12	29	25	40	37	77
Intraventricular haemorrhage (772.1)	—	—	27	24	27	24	51
Haemolytic disease of fetus or newborn (773)	5	5	2	2	7	7	14
Other conditions originating in the perinatal period (766, 771, 774-779)	245	207	72	44	317	251	568
Infections specific to the perinatal period (771)	10	14	27	17	37	31	68
Hydrops fetalis not due to isoimmunization (778.0)	9	16	7	8	16	24	40
Congenital anomalies (740-759)	105	66	165	144	270	210	480
Anencephalus and similar anomalies (740)	8	12	3	10	11	22	33
Spina bifida (741)	7	5	4	5	11	10	21
Congenital hydrocephalus (742.3)	6	8	5	10	11	18	29
Other deformities of central nervous system (742.0-742.2, 742.4-742.9)	5	6	8	13	13	19	32
Congenital anomalies of heart and circulatory system (745-747)	11	6	54	37	65	43	108
Congenital anomalies of respiratory system (748)	5	1	25	14	30	15	45
Congenital anomalies of digestive system (749-751)	1	—	2	1	3	1	4
Congenital anomalies of genital organs and urinary system (752, 753)	11	5	18	6	29	11	40
Congenital anomalies of musculoskeletal system and limbs (754-756)	7	6	20	17	27	23	50
Chromosomal anomalies (758)	22	12	19	19	41	31	72
All other causes (001-739, 780-999)	7	4	31	25	38	29	67
MAIN CONDITION IN MOTHER							
Maternal conditions which may be unrelated to present pregnancy (760)	80	64	34	31	114	95	209
Maternal hypertensive disorders (760.0)	20	28	16	14	36	42	78
Maternal complications of pregnancy (761)	76	47	166	99	242	146	388
Incompetent cervix (761.0)	5	7	8	6	13	13	26
Premature rupture of membranes (761.1)	—	—	—	1	—	1	1
Polyhydramnios (761.3)	13	9	12	10	25	19	44
Multiple pregnancy (761.5)	22	14	39	25	61	39	100
Other maternal complications of pregnancy (Remainder of 761)	36	17	107	57	143	74	217
Complications of placenta, cord and membranes (762)	270	247	83	58	353	305	658
Placenta praevia (762.0)	2	2	4	—	6	2	8
Other placental separation and haemorrhage (762.1)	115	69	46	31	161	100	261
Other and unspecified morphological and functional abnormalities of placenta (762.2)	53	63	3	2	56	65	121
Prolapsed cord (762.4)	8	4	7	2	15	6	21
Other compression of umbilical cord (762.5)	53	51	3	5	56	56	112
Other complications of placenta, cord and membranes (Remainder of 762)	39	58	20	18	59	76	135
Other complications of labour and delivery (763)	14	21	14	10	28	31	59
Breech delivery and extraction (763.0)	1	—	1	2	2	2	4
No maternal condition reported	228	198	214	177	442	375	817

TABLE 9. PERINATAL DEATHS BY AGE OF MOTHER AND MAIN CAUSE OR CONDITION
IN FETUS/INFANT AND MOTHER, AUSTRALIA, 1993

Cause of death and ICD code	Age of mother (years)							
	Under 20	20-24	25-29	30-34	35-39	40 and over	Not stated	Total
All causes	154	431	639	552	244	45	66	2,131
MAIN CONDITION IN FETUS/INFANT								
<i>Slow fetal growth, fetal malnutrition and immaturity (764, 765)</i>	16	47	50	53	23	4	5	198
Slow fetal growth and fetal malnutrition (764)	3	10	17	17	6	2	—	55
Extreme immaturity (765.0)	13	37	33	34	17	2	4	140
<i>Birth trauma (767)</i>	—	8	11	15	7	—	—	41
Birth injury to brain, spine or spinal cord (767.0, 767.4)	—	8	11	15	7	—	—	41
<i>Hypoxia, birth asphyxia and other respiratory conditions (768-770)</i>	47	141	223	166	73	15	21	686
Fetal death from asphyxia or anoxia before onset of labour or at unspecified time (768.0)	26	88	126	97	48	12	4	401
Fetal death from asphyxia or anoxia during labour (768.1)	3	14	27	18	7	—	1	70
Fetal distress or birth asphyxia in liveborn infant (768.2-768.6)	3	6	23	13	5	—	5	55
Respiratory distress syndrome (769)	4	10	17	16	5	2	3	57
Congenital pneumonia (770.0)	2	3	1	5	2	—	1	14
Massive aspiration syndrome (770.1)	—	3	9	4	—	1	1	18
Atelectasis (770.4-770.5)	2	5	5	7	2	—	2	23
<i>Fetal and neonatal haemorrhage (772)</i>	2	15	21	28	8	—	3	77
Intraventricular haemorrhage (772.1)	2	10	16	15	5	—	3	51
<i>Haemolytic disease of fetus or newborn (773)</i>	—	1	5	3	5	—	—	14
<i>Other conditions originating in the perinatal period (766, 771, 774-779)</i>	50	110	171	145	72	11	9	568
Infections specific to the perinatal period (771)	3	11	19	19	11	2	3	68
Hydrops fetalis not due to isoimmunization (778.0)	4	8	14	10	4	—	—	40
<i>Congenital anomalies (740-759)</i>	29	95	145	127	54	14	16	480
Anencephalus and similar anomalies (740)	7	5	12	8	1	—	—	33
Spina bifida (741)	3	5	6	6	1	—	—	21
Congenital hydrocephalus (742.3)	2	4	11	6	3	1	2	29
Other deformities of central nervous system (742.0-742.2, 742.4-742.9)	5	3	8	9	5	—	2	32
Congenital anomalies of heart and circulatory system (745-747)	2	22	38	28	9	2	7	108
Congenital anomalies of respiratory system (748)	2	10	14	10	8	1	—	45
Congenital anomalies of digestive system (749-751)	—	1	2	1	—	—	—	4
Congenital anomalies of genital organs and urinary system (752, 753)	—	11	10	13	6	—	—	40
Congenital anomalies of musculoskeletal system and limbs (754-756)	3	13	14	15	3	—	2	50
Chromosomal anomalies (758)	1	11	16	23	12	9	—	72
<i>All other causes (001-739, 780-999)</i>	10	14	13	15	2	1	12	67
MAIN CONDITION IN MOTHER								
<i>Maternal conditions which may be unrelated to present pregnancy (760)</i>	18	42	59	62	20	8	—	209
Maternal hypertensive disorders (760.0)	7	20	25	19	2	5	—	78
<i>Maternal complications of pregnancy (761)</i>	30	88	104	99	51	3	13	388
Incompetent cervix (761.0)	3	4	6	10	2	—	1	26
Premature rupture of membranes (761.1)	—	—	—	—	—	1	—	1
Polyhydramnios (761.3)	2	13	11	12	6	—	—	44
Multiple pregnancy (761.5)	5	26	30	31	8	—	—	100
Other maternal complications of pregnancy (Remainder of 761)	20	45	57	46	35	2	12	217
<i>Complications of placenta, cord and membranes (762)</i>	45	123	220	168	77	13	12	658
Placenta praevia (762.0)	—	3	3	1	1	—	—	8
Other placental separation and haemorrhage (762.1)	22	57	83	62	30	4	3	261
Other and unspecified morphological and functional abnormalities of placenta (762.2)	6	19	39	36	16	4	1	121
Prolapsed cord (762.4)	3	2	11	3	1	1	—	21
Other compression of umbilical cord (762.5)	6	23	40	22	14	3	4	112
Other complications of placenta, cord and membranes (Remainder of 762)	8	19	44	44	15	1	4	135
<i>Other complications of labour and delivery (763)</i>	5	11	13	21	6	1	2	59
Breech delivery and extraction (763.0)	—	1	—	1	1	—	1	4
<i>% maternal condition reported</i>	56	7	243	2	0	20	39	17

TABLE 10. FETAL DEATHS BY TIME OF CESSION OF HEARTBEAT AND MAIN CAUSE OR CONDITION IN FETUS AND MOTHER, AUSTRALIA, 1993

Cause of death and ICD code	Heartbeat ceased									
	Before labour commenced			After delivery but before or during or after delivery						
	Under 1 day	1-6 days	1-3 weeks	4 weeks or more	Not stated	Total	During labour	Delivery	Unknown if before or during or after delivery	Total
All causes	138	419	91	5	224	877	249	94	25	1,245
MAIN CONDITION IN FETUS										
Slow fetal growth, fetal malnutrition and immaturity (764, 765)	7	23	6	—	10	46	37	3	4	90
Slow fetal growth and fetal malnutrition (764)	7	23	6	—	10	46	5	3	—	54
Extreme immaturity (765.0)	—	—	—	—	—	—	31	—	4	35
<i>Birth trauma (767)</i>	—	—	—	—	—	—	—	—	—	—
<i>Hypoxia, birth asphyxia and other respiratory conditions (768-770)</i>	76	179	38	2	77	372	74	33	8	487
Fetal death from asphyxia or anoxia before onset of labour or at unspecified time (768.0)	74	175	38	2	76	365	—	31	5	401
Fetal death from asphyxia or anoxia during labour (768.1)	—	—	—	—	—	—	70	—	—	70
<i>Fetal and neonatal haemorrhage (772)</i>	—	8	2	—	10	20	1	2	—	23
<i>Haemolytic disease of fetus or newborn (773)</i>	—	3	4	—	—	7	2	1	—	10
<i>Other conditions originating in the perinatal period (766, 771, 774-779)</i>	46	165	29	1	105	346	63	34	9	452
Congenital anomalies (740-759)	8	39	11	1	21	80	69	18	4	171
Anencephalus and similar anomalies (740)	—	1	2	—	2	5	10	4	1	20
All other causes (001-739, 780-999)	1	2	1	1	1	6	2	3	—	11
MAIN CONDITION IN MOTHER										
<i>Maternal conditions which may be unrelated to present pregnancy (760)</i>	12	50	9	1	35	107	22	13	2	144
Maternal hypertension disorders (760.0)	6	12	5	—	10	33	9	5	1	48
Maternal complications of pregnancy (761)	44	33	4	1	11	63	40	14	6	123
Incompetent cervix (761.0)	2	1	—	—	1	4	4	4	—	12
Polyhydramnios (761.3)	5	10	—	—	1	16	4	2	—	22
<i>Complications of placenta, cord and membranes (762)</i>	84	179	35	—	82	380	91	38	8	517
Placenta Praevia (762.0)	2	1	—	—	—	3	1	—	4	—
Other placental separation and haemorrhage (762.1)	44	40	2	—	30	116	48	17	3	184
Other and unspecified morphological and functional abnormalities of placenta (762.2)	14	51	11	—	16	92	15	8	1	116
Prolapsed cord (762.4)	4	2	—	—	1	7	4	1	—	12
Other compression of umbilical cord (762.5)	8	51	13	—	15	87	10	4	3	104
Other complications of placenta, cord and membranes (Remainder of 762)	12	34	9	—	20	75	13	8	1	97
Other complications of labour and delivery (763)	2	2	1	—	2	7	21	5	2	35
No maternal condition reported	26	155	42	3	94	320	75	24	7	426

TABLE II. NEONATAL DEATHS BY AGE AT DEATH AND MAIN CAUSE OR CONDITION IN INFANT AND MOTHER, AUSTRALIA, 1953

Cause of death and ICD code	Age at death								Total under 28 days(b)
	Under 1 hour	1-11 hours	12-23 hours	Total under 1 day(a)	1 day	2 days	3-6 days	7-27 days	
All causes	173	212	62	449	70	71	97	198	886
MAIN CONDITION IN INFANT									
<i>Slow fetal growth, fetal malnutrition and immaturity (764, 765)</i>	68	37	2	107	—	—	—	—	108
Extreme immaturity (765.0)	65	37	2	104	—	1	1	—	105
<i>Birth trauma (767)</i>	—	3	1	4	8	7	7	13	40
Birth injury to brain, spine or spinal cord (767.0, 767.4)	—	3	1	4	8	7	7	13	40
<i>Hypoxia, birth asphyxia and other respiratory conditions (768-770)</i>	30	60	22	112	26	15	19	27	199
Fetal distress or birth asphyxia in liveborn infant (768.2-768.6)	19	14	1	34	6	5	4	6	55
Respiratory distress syndrome (769)	1	20	9	30	11	5	6	5	57
Congenital pneumonia (770.0)	1	4	1	6	2	2	—	—	10
Congenital pneumonia (770.1)	1	2	—	3	4	—	—	—	—
Massive aspiration syndrome (770.5)	3	13	4	20	1	—	1	3	11
Atelectasis (770.4-770.5)	3	13	4	20	1	—	—	2	23
<i>Fetal and neonatal haemorrhage (772)</i>	2	3	6	11	5	17	7	7	54
Intraventricular haemorrhage (772.1)	—	3	6	9	5	16	7	7	51
<i>Haemolytic disease of fetus or newborn (773)</i>	2	1	—	3	—	—	—	1	4
<i>Other conditions originating in the perinatal period (766, 771, 774-779)</i>	21	21	8	50	6	9	15	36	116
Infectious specific to the perinatal period (771)	6	9	3	18	4	2	8	12	44
Congenital anomalies (740-759)	50	83	23	157	25	22	39	66	309
Anencephalus and similar anomalies (740)	2	7	1	10	—	2	1	—	13
Spina bifida (741)	3	2	—	5	2	—	—	2	9
Congenital hydrocephalus (742.3)	4	6	—	10	2	—	1	2	15
Congenital anomalies of heart and circulatory system (745-747)	—	8	6	14	9	8	23	37	91
Congenital anomalies of respiratory system (748)	5	21	7	33	2	2	—	2	39
Congenital anomalies of digestive system (749-751)	1	—	—	1	—	—	—	2	3
Congenital anomalies of genital organs and urinary system (752, 753)	11	9	1	21	—	—	—	2	24
Congenital anomalies of musculoskeletal system and limbs (754-756)	6	11	3	21	6	2	3	5	37
Chromosomal anomalies (758)	8	9	2	19	3	6	4	6	38
All other causes (001-739, 780-999)	—	4	—	5	—	—	10	41	56
MAIN CONDITION IN MOTHER									
<i>Maternal conditions which may be unrelated to present pregnancy (760)</i>	15	5	4	24	7	7	11	16	65
Maternal hypertension disorders (760.0)	6	1	1	8	4	5	7	6	30
<i>Maternal complications of pregnancy (761)</i>	64	76	29	169	21	19	16	40	265
Incompetent cervix (761.0)	5	5	—	10	2	—	1	1	14
Premature rupture of membranes (761.1)	1	—	—	1	—	—	—	—	1
Polyhydramnios (761.3)	9	5	2	16	1	2	—	3	22
Multiple pregnancy (761.5)	18	18	5	41	3	8	5	7	64
Other maternal complications of pregnancy (Remainder of 761)	31	48	22	101	15	9	10	29	164
Complications of placenta, cord and membranes (762)	49	38	5	92	12	11	10	16	141
Other complications of labour and delivery (763)	6	9	1	16	1	3	1	3	24
No maternal condition reported	39	84	23	148	29	31	59	123	391

(a) Including 2 deaths of 'hours, not stated'. (b) Including 1 death of 'days, not stated'.

TABLE 12. PERINATAL DEATHS: FETAL AND NEONATAL DEATHS BY BIRTHWEIGHT, AUSTRALIA, 1988 TO 1993

<i>Birthweight (grams)</i>	1988	1989	1990	1991	1992	1993
FETAL DEATHS						
500-999	415	442	497	435	459	396
1000-1499	206	171	230	187	183	163
1500-1999	171	159	165	171	157	124
2000-2499	155	151	179	167	151	124
2500-2999	191	161	164	178	174	147
3000-3499	152	174	193	162	167	124
3500-3999	72	87	73	92	91	68
4000-4499	24	23	35	37	30	24
4500 or more	13	9	18	10	15	8
Not stated	74	74	36	39	66	67
Total	1,473	1,451	1,590	1,478	1,493	1,245
NEONATAL DEATHS						
500-999	412	358	408	373	381	305
1000-1499	154	143	128	119	93	105
1500-1999	95	78	95	91	77	72
2000-2499	90	90	104	81	95	72
2500-2999	122	117	116	100	102	79
3000-3499	132	111	119	113	126	117
3500-3999	82	79	91	79	67	52
4000-4499	24	26	17	12	17	18
4500 or more	9	4	4	7	6	2
Not stated	44	52	40	37	51	64
Total	1,164	1,058	1,122	1,012	1,015	886
ALL PERINATAL DEATHS						
500-999	827	800	905	808	840	701
1000-1499	360	314	358	306	276	268
1500-1999	266	237	260	262	234	196
2000-2499	245	241	283	248	246	196
2500-2999	313	278	280	278	276	226
3000-3499	284	285	312	275	293	241
3500-3999	154	166	164	171	158	120
4000-4499	48	49	52	49	47	42
4500 or more	22	13	22	17	21	10
Not stated	118	126	76	76	117	131
Total	2,637	2,509	2,712	2,490	2,508	2,131

**TABLE 13. PERINATAL DEATHS BY BIRTHWEIGHT AND MAIN CAUSE OR CONDITION
IN FETUS/INFANT AND MOTHER, AUSTRALIA, 1993**

Cause of death and ICD code	Birthweight (grams)						
	500-999	1000-1999	2000-2999	3000-3999	4000 or more	Not stated	Total
All causes	701	464	422	361	52	131	2,131
MAIN CONDITION IN FETUS/INFANT							
<i>Slow fetal growth, fetal malnutrition and immaturity (764, 765)</i>	152	21	14	—	—	11	198
Slow fetal growth and fetal malnutrition (764)	20	19	14	—	—	2	55
Extreme immaturity (765.0)	132	1	—	—	—	7	140
<i>Birth trauma (767)</i>	4	4	12	16	4	1	41
Birth injury to brain, spine or spinal cord (767.0, 767.4)	4	4	12	16	4	1	41
<i>Hypoxia, birth asphyxia and other respiratory conditions (768-770)</i>	196	133	147	140	25	45	686
Fetal death from asphyxia or anoxia before onset of labour or at unspecified time (768.0)	83	87	112	80	12	27	401
Fetal death from asphyxia or anoxia during labour (768.1)	17	10	13	22	4	4	70
Fetal distress or birth asphyxia in liveborn infant (768.2-768.6)	8	8	13	15	4	7	55
Respiratory distress syndrome (769)	40	12	2	—	—	3	57
Congenital pneumonia (770.0)	4	5	1	4	—	—	14
Massive aspiration syndrome (770.1)	1	—	—	14	3	—	18
Atelectasis (770.4-770.5)	17	3	1	—	—	2	23
<i>Fetal and neonatal haemorrhage (772)</i>	41	19	11	3	—	3	77
Intraventricular haemorrhage (772.1)	36	12	2	—	—	1	51
<i>Haemolytic disease of fetus or newborn (773)</i>	3	5	1	5	—	—	14
<i>Other conditions originating in the perinatal period (766, 771, 774-779)</i>	183	137	110	94	15	29	568
Infections specific to the perinatal period (771)	28	21	8	8	1	2	68
Hydrops fetalis not due to isoimmunization (778.0)	14	9	11	2	1	3	40
<i>Congenital anomalies (740-759)</i>	115	135	115	82	4	29	480
Anencephalus and similar anomalies (740)	17	8	5	—	—	3	33
Spina bifida (741)	7	6	4	3	—	1	21
Congenital hydrocephalus (742.3)	7	13	3	5	—	1	29
Other deformities of central nervous system (742.0-742.2, 742.4-742.9)	5	12	6	2	2	5	32
Congenital anomalies of heart and circulatory system (745-747)	10	17	29	46	1	5	108
Congenital anomalies of respiratory system (748)	11	15	11	8	—	—	45
Congenital anomalies of digestive system (749-751)	—	—	4	—	—	—	4
Congenital anomalies of genital organs and urinary system (752, 753)	12	15	9	2	—	2	40
Congenital anomalies of musculoskeletal system and limbs (754-756)	9	13	15	9	—	4	50
Chromosomal anomalies (758)	18	28	18	4	—	4	72
<i>All other causes (001-739, 780-999)</i>	7	10	12	21	4	13	67
MAIN CONDITION IN MOTHER							
<i>Maternal conditions which may be unrelated to present pregnancy (760)</i>	70	49	37	33	11	9	209
Maternal hypertensive disorders (760.0)	27	22	13	12	1	3	78
<i>Maternal complications of pregnancy (761)</i>	232	95	30	7	3	21	388
Incompetent cervix (761.0)	22	—	—	—	—	4	26
Premature rupture of membranes (761.1)	1	—	—	—	—	—	1
Polyhydramnios (761.3)	17	16	7	2	—	2	44
Multiple pregnancy (761.5)	65	18	12	1	—	4	100
Other maternal complications of pregnancy (Remainder of 761)	127	61	11	4	3	11	217
<i>Complications of placenta, cord and membranes (762)</i>	223	143	144	98	12	38	658
Placenta praevia (762.0)	3	2	1	1	—	1	8
Other placental separation and haemorrhage (762.1)	113	58	52	20	2	16	261
Other and unspecified morphological and functional abnormalities of placenta (762.2)	29	36	24	25	4	3	121
Prolapsed cord (762.4)	8	5	4	4	—	—	21
Other compression of umbilical cord (762.5)	11	18	40	32	4	7	112
Other complications of placentas, cord and membranes (Remainder of 762)	59	24	23	16	2	11	135
<i>Other complications of labour and delivery (763)</i>	32	7	5	7	3	5	59
Breech delivery and extraction (763.0)	2	—	—	2	—	—	4
<i>No maternal condition reported</i>	144	170	206	216	23	58	817

TABLE 14. PERINATAL DEATHS: FETAL AND NEONATAL DEATHS BY PERIOD OF GESTATION,
AUSTRALIA, 1988 TO 1993

<i>Period of gestation (completed weeks)</i>	1988	1989	1990	1991	1992	1993
FETAL DEATHS						
Under 28	363	394	425	368	421	358
28-31	245	193	251	223	216	176
32-36	352	355	376	362	350	312
37-41	472	453	498	489	453	351
42 or more	22	33	28	26	34	16
Not stated	19	23	12	10	19	32
<i>Total</i>	<i>1,473</i>	<i>1,451</i>	<i>1,590</i>	<i>1,478</i>	<i>1,493</i>	<i>1,245</i>
NEONATAL DEATHS						
Under 28	436	369	399	374	388	311
28-31	136	140	133	131	106	98
32-36	173	160	190	159	163	146
37-41	335	317	337	292	274	238
42 or more	21	22	22	21	25	10
Not stated	63	50	41	35	59	83
<i>Total</i>	<i>1,164</i>	<i>1,058</i>	<i>1,122</i>	<i>1,012</i>	<i>1,015</i>	<i>886</i>
ALL PERINATAL DEATHS						
Under 28	799	763	824	742	809	669
28-31	381	333	384	354	322	274
32-36	525	515	566	521	513	458
37-41	807	770	835	781	727	589
42 or more	43	55	50	47	59	26
Not stated	82	73	53	45	78	115
<i>Total</i>	<i>2,637</i>	<i>2,509</i>	<i>2,712</i>	<i>2,490</i>	<i>2,508</i>	<i>2,131</i>

TABLE 15. PERINATAL DEATHS: FETAL AND NEONATAL DEATHS BY AGE OF MOTHER AND PERIOD OF GESTATION,
AUSTRALIA, 1993

<i>Period of gestation (completed weeks)</i>	<i>Age of mother (years)</i>							
	<i>Under 20</i>	<i>20-24</i>	<i>25-29</i>	<i>30-34</i>	<i>35-39</i>	<i>40 and over</i>	<i>Not stated</i>	<i>Total</i>
FETAL DEATHS								
Under 28	26	64	126	80	51	7	4	358
28-31	13	47	50	47	14	3	2	176
32-36	26	74	81	87	35	7	2	312
37-41	23	61	112	91	48	15	1	351
42 or more	1	2	5	5	3	—	—	16
Not stated	6	5	6	10	3	1	1	32
<i>Total</i>	<i>95</i>	<i>253</i>	<i>380</i>	<i>320</i>	<i>154</i>	<i>33</i>	<i>10</i>	<i>1,245</i>
NEONATAL DEATHS								
Under 28	29	66	87	86	35	5	3	311
28-31	11	24	30	19	10	1	3	98
32-36	7	27	44	45	19	2	2	146
37-41	10	44	83	67	18	4	12	238
42 or more	—	3	3	3	1	—	—	10
Not stated	2	14	12	12	7	—	36	83
<i>Total</i>	<i>59</i>	<i>178</i>	<i>259</i>	<i>232</i>	<i>90</i>	<i>12</i>	<i>56</i>	<i>886</i>
ALL PERINATAL DEATHS								
Under 28	55	130	213	166	86	12	7	669
28-31	24	71	80	66	24	4	5	274
32-36	33	101	125	132	54	9	4	458
37-41	33	105	195	158	66	19	13	589
42 or more	1	5	8	8	4	—	—	26
Not stated	8	19	18	22	10	1	37	115
<i>Total</i>	<i>154</i>	<i>431</i>	<i>639</i>	<i>552</i>	<i>244</i>	<i>45</i>	<i>66</i>	<i>2,131</i>

TABLE 16. PERINATAL DEATHS BY PERIOD OF GESTATION AND MAIN CAUSE OR CONDITION
IN FETUS/INFANT AND MOTHER, AUSTRALIA, 1993

Cause of death and ICD code	Period of gestation (completed weeks)						
	Under 28	28-31	32-36	37-41	42 and over	Not stated	Total
All causes	669	274	458	589	26	115	2,131
MAIN CONDITION IN FETUS/INFANT							
<i>Slow fetal growth, fetal malnutrition and immaturity (764, 765)</i>	138	13	21	15	—	11	198
Slow fetal growth and fetal malnutrition (764)	7	12	20	15	—	1	55
Extreme immaturity (765.0)	131	1	—	—	—	8	140
<i>Birth trauma (767)</i>	5	4	5	27	—	—	41
Birth injury to brain, spine or spinal cord (767.0, 767.4)	5	4	5	27	—	—	41
<i>Hypoxia, birth asphyxia and other respiratory conditions (768-770)</i>	195	83	153	230	11	14	686
Fetal death from asphyxia or anoxia before onset of labour or at unspecified time (768.0)	76	56	121	143	5	—	401
Fetal death from asphyxia or anoxia during labour (768.1)	18	2	17	30	3	—	70
Fetal distress or birth asphyxia in liveborn infant (768.2-768.6)	8	7	6	30	—	4	55
Respiratory distress syndrome (769)	43	7	4	—	—	3	57
Congenital pneumonia (770.0)	7	2	—	4	—	1	14
Massive aspiration syndrome (770.1)	1	—	—	14	3	—	18
Atelectasis (770.4-770.5)	18	1	2	—	—	2	23
<i>Fetal and neonatal haemorrhage (772)</i>	47	8	12	6	—	4	77
Intraventricular haemorrhage (772.1)	40	5	3	—	—	3	51
<i>Haemolytic disease of fetus or newborn (773)</i>	5	3	2	3	1	—	14
<i>Other conditions originating in the perinatal period (766, 771, 774-779)</i>	169	86	119	144	8	42	568
Infections specific to the perinatal period (771)	30	14	11	11	—	2	68
Hydrops fetalis not due to isoimmunization (778.0)	15	14	9	1	—	1	40
<i>Congenital anomalies (740-759)</i>	102	70	135	144	5	24	480
Anencephalus and similar anomalies (740)	14	4	7	7	1	—	33
Spina bifida (741)	8	2	8	3	—	—	21
Congenital hydrocephalus (742.3)	7	10	5	7	—	—	29
Other deformities of central nervous system (742.0-742.2, 742.4-742.9)	6	9	10	4	—	3	32
Congenital anomalies of heart and circulatory system (745-747)	10	8	22	54	1	13	108
Congenital anomalies of respiratory system (748)	12	4	17	11	—	1	45
Congenital anomalies of digestive system (749-751)	—	—	1	3	—	—	4
Congenital anomalies of genital organs and urinary system (752, 753)	11	12	7	8	—	2	40
Congenital anomalies of musculoskeletal system and limbs (754-756)	5	7	18	17	1	2	50
Chromosomal anomalies (758)	11	10	27	21	2	1	72
<i>All other causes (001-739, 780-999)</i>	8	7	11	20	1	20	67
MAIN CONDITION IN MOTHER							
<i>Maternal conditions which may be unrelated to present pregnancy (760)</i>	62	32	50	58	3	4	209
Maternal hypertensive disorders (760.0)	21	17	18	20	1	1	78
<i>Maternal complications of pregnancy (761)</i>	229	53	60	23	—	23	388
Incompetent cervix (761.0)	25	—	—	—	—	1	26
Premature rupture of membranes (761.1)	1	—	—	—	—	—	1
Polyhydramnios (761.3)	16	9	16	3	—	—	44
Multiple pregnancy (761.5)	61	8	18	10	—	3	100
Other maternal complications of pregnancy (Remainder of 761)	126	36	26	10	—	19	217
<i>Complications of placenta, cord and membranes (762)</i>	213	88	160	173	10	14	658
Placenta praevia (762.0)	3	1	3	1	—	—	8
Other placental separation and haemorrhage (762.1)	114	41	63	38	2	3	261
Other and unspecified morphological and functional abnormalities of placenta (762.2)	19	17	34	47	2	2	121
Prolapsed cord (762.4)	9	—	4	7	—	1	21
Other compression of umbilical cord (762.5)	9	8	35	51	5	4	112
Other complications of placenta, cord and membranes (Remainder of 762)	59	21	21	29	1	4	135
<i>Other complications of labour and delivery (763)</i>	34	5	5	12	—	3	59
Breech delivery and extraction (763.0)	2	—	—	2	—	—	4
<i>No maternal condition reported</i>	131	96	183	323	13	71	817

TABLE 17. PERINATAL DEATHS (INTERNATIONAL DEFINITION)(a): FETAL AND EARLY NEONATAL DEATHS BY BIRTHWEIGHT, AUSTRALIA, 1988 TO 1993

Birthweight (grams)	1988	1989	1990	1991	1992	1993
FETAL DEATHS r						
1000-1499	206	171	230	187	183	163
1500-1999	171	159	165	171	157	124
2000-2499	155	151	179	167	151	124
2500-2999	191	161	164	178	174	147
3000-3499	152	174	193	162	167	124
3500-3999	72	87	73	92	91	68
4000-4499	24	23	35	37	30	24
4500 or more	13	9	18	10	15	8
Not stated	49	48	21	23	40	38
Total	1,033	983	1,078	1,027	1,008	820
EARLY NEONATAL DEATHS						
1000-1499	130	119	107	93	82	85
1500-1999	79	58	81	74	64	58
2000-2499	69	72	81	63	74	54
2500-2999	99	88	88	84	70	60
3000-3499	92	77	84	89	101	81
3500-3999	59	59	56	62	52	38
4000-4499	15	20	12	7	15	13
4500 or more	7	3	2	5	5	1
Not stated	21	8	10	8	14	10
Total	571	504	521	485	477	400
ALL PERINATAL DEATHS r						
1000-1499	336	290	337	280	265	248
1500-1999	250	217	246	245	221	182
2000-2499	224	223	260	230	225	178
2500-2999	290	249	252	262	244	207
3000-3499	244	251	277	251	268	205
3500-3999	131	146	129	154	143	106
4000-4499	39	43	47	44	45	37
4500 or more	20	12	20	15	20	9
Not stated	70	56	31	31	54	48
Total	1,604	1,487	1,599	1,512	1,485	1,220

(a) See paragraphs 3 and 17 of the Explanatory Notes.

TABLE 18. PERINATAL DEATHS (INTERNATIONAL DEFINITION)(a) BY AGE OF MOTHER AND MAIN CAUSE OR CONDITION IN FETUS/INFANT AND MOTHER, AUSTRALIA, 1993

Cause of death and ICD code	Age of mother (years)							
	Under 20	20-24	25-29	30-34	35-39	40 and over	Not stated	Total
All causes	77	258	373	324	146	29	13	1,220
MAIN CONDITION IN FETUS/INFANT								
Slow fetal growth, fetal malnutrition and immaturity (764, 765)	2	4	10	15	6	—	—	37
Slow fetal growth and fetal malnutrition (764)	2	4	10	14	5	—	—	35
Extreme immaturity (765.0)	—	—	—	—	1	—	—	1
Birth trauma (767)	—	5	8	10	2	—	—	25
Birth injury to brain, spine or spinal cord (767.0, 767.4)	—	5	8	10	2	—	—	25
Hypoxia, birth asphyxia and other respiratory conditions (768-770)	26	92	149	116	51	11	9	454
Fetal death from asphyxia or anoxia before onset of labour or at unspecified time (768.0)	21	66	89	79	41	10	4	310
Fetal death from asphyxia or anoxia during labour (768.1)	1	13	22	14	2	—	—	52
Fetal distress or birth asphyxia in liveborn infant (768.2-768.6)	2	3	17	9	4	—	1	36
Respiratory distress syndrome (769)	—	4	4	3	—	—	1	12
Congenital pneumonia (770.0)	1	1	1	4	2	—	1	10
Massive aspiration syndrome (770.1)	—	2	8	4	—	1	—	15
Atelectasis (770.4-770.5)	—	1	1	—	—	—	1	3
Fetal and neonatal haemorrhage (772)	—	8	8	9	2	—	1	28
Intraventricular haemorrhage (772.1)	—	4	3	1	—	—	1	9
Haemolytic disease of fetus or newborn (773)	—	1	4	2	4	—	—	11
Other conditions originating in the perinatal period (766, 771, 774-779)	30	80	104	94	41	6	—	355
Infections specific to the perinatal period (771)	3	8	9	10	4	—	—	34
Hydrops fetalis not due to isoimmunization (778.0)	2	6	9	6	1	—	—	24
Congenital anomalies (740-759)	16	62	86	73	39	11	3	290
Anencephalus and similar anomalies (740)	3	3	3	5	1	—	—	15
Spina bifida (741)	2	4	3	2	1	—	—	12
Congenital hydrocephalus (742.3)	1	3	9	5	3	—	—	21
Other deformities of central nervous system (742.0-742.2, 742.4-742.9)	4	2	5	4	5	—	—	20
Congenital anomalies of heart and circulatory system (745-747)	2	12	21	17	4	1	2	59
Congenital anomalies of respiratory system (748)	2	6	12	6	5	1	—	32
Congenital anomalies of digestive system (749-751)	—	1	1	—	—	—	—	2
Congenital anomalies of genital organs and urinary system (752, 753)	—	9	7	5	6	—	—	27
Congenital anomalies of musculoskeletal system and limbs (754-756)	1	11	10	11	1	—	1	35
Chromosomal anomalies (758)	—	8	10	13	8	8	—	47
All other causes (001-739, 780-999)	3	6	4	5	1	1	—	20
MAIN CONDITION IN MOTHER								
Maternal conditions which may be unrelated to present pregnancy (760)	12	22	33	40	16	4	—	127
Maternal hypertensive disorders (760.0)	5	9	15	13	2	2	—	46
Maternal complications of pregnancy (761)	7	31	30	34	16	1	4	123
Polyhydramnios (761.3)	2	8	5	8	2	—	—	25
Multiple pregnancy (761.5)	1	8	9	8	4	—	—	30
Other maternal complications of pregnancy (Remainder of 761)	4	15	16	18	10	1	4	68
Complications of placenta, cord and membranes (762)	25	81	131	113	47	10	2	409
Placenta praevia (762.0)	—	3	2	—	—	—	—	5
Other placental separation and haemorrhage (762.1)	9	33	38	37	17	3	—	137
Other and unspecified morphological and functional abnormalities of placenta (762.2)	5	14	29	28	11	4	—	91
Prolapsed cord (762.4)	2	1	4	3	—	—	—	10
Other compression of umbilical cord (762.5)	5	20	37	19	13	3	2	99
Other complications of placenta, cord and membranes (Remainder of 762)	4	10	21	26	6	—	—	67
Other complications of labour and delivery (763)	1	7	2	8	2	—	—	20
Breech delivery and extraction (763.0)	—	—	—	—	1	—	—	1
No maternal condition reported	32	117	177	129	65	14	7	541

(a) See paragraphs 3 and 17 of the Explanatory Notes.

TABLE 19. PERINATAL DEATHS (INTERNATIONAL DEFINITION)(a): FETAL AND EARLY NEONATAL DEATHS BY BIRTHWEIGHT AND PERIOD OF GESTATION, AUSTRALIA, 1993

<i>Period of gestation (completed weeks)</i>	<i>Birthweight (grams)</i>					<i>Total</i>
	<i>1000- 1999</i>	<i>2000- 2999</i>	<i>3000- 3999</i>	<i>4000 or more</i>	<i>Not stated</i>	
FETAL DEATHS						
Under 28	28	2	2	—	—	32
28-31	92	7	—	—	9	108
32-36	145	120	19	2	11	297
37-41	14	133	159	26	18	350
42 or more	—	4	9	3	—	16
Not stated	8	5	3	1	—	17
<i>Total</i>	287	271	192	32	38	820
EARLY NEONATAL DEATHS						
Under 28	21	—	—	—	—	21
28-31	59	4	—	—	2	65
32-36	50	54	8	1	4	117
37-41	5	48	103	11	4	171
42 or more	—	2	4	1	—	7
Not stated	8	6	4	1	—	19
<i>Total</i>	143	114	119	14	10	400
ALL PERINATAL DEATHS						
Under 28	49	2	2	—	—	53
28-31	151	11	—	—	11	173
32-36	195	174	27	3	15	414
37-41	19	181	262	37	22	521
42 or more	—	6	13	4	—	23
Not stated	16	11	7	2	—	36
<i>Total</i>	430	385	311	46	48	1,220

(a) See paragraphs 3 and 17 of the Explanatory Notes.

EXPLANATORY NOTES

Introduction

This publication contains selected statistics of perinatal deaths in Australia. Perinatal deaths comprise *fetal deaths* (stillbirths) and *neonatal deaths* (deaths within 28 days of birth). These statistics have been compiled from data made available by the Registrar of Births, Deaths and Marriages in each State and Territory.

2. The primary purpose of this publication is to provide an overview of the nature of, and trends in perinatal deaths in Australia. Additional information is available on request.

Scope and coverage

3. The perinatal death statistics contained in Tables 1 to 16 in this publication include all fetuses and infants (who died within 28 days of birth) weighing at least 500 grams or (when birthweight is unavailable) having the corresponding gestational age (22 weeks) or body length (25cm crown-heel). This definition of perinatal deaths was adopted from 1979, in accordance with recommendations of the World Health Organisation (WHO) for compiling *national* perinatal statistics. Tables 17 to 19 have been compiled in accordance with the WHO recommendations for compiling *international* perinatal statistics. These tables include all fetuses and infants (who die within 7 days of birth) weighing at least 1,000 grams or (when birthweight is unavailable) having the corresponding gestational age (28 weeks) or body length (35cm crown-heel).

4. The 1984 and 1985 perinatal statistics were affected by abnormal delays in the registration process in the New South Wales Registry of Births, Deaths and Marriages in 1984. The delays reduced the number of births and deaths registered in New South Wales in 1984 and as the backlog was cleared in 1985, increased the number of births and deaths that normally would have been registered in 1985. This should be borne in mind when interpreting the statistics for 1984 and 1985 and comparing them with those of other years.

5. In 1988 revisions were made to Northern Territory legislation to enable the registration of a death prior to the certification of cause. As a result, deaths registered in the Northern Territory during 1988 included a number of deaths which would not necessarily have been registered in 1988 under the former legislation. This should be borne in mind when comparing statistics for 1988 and later years with statistics for earlier years.

Definitions

6. The following definitions have been used in compiling these statistics:

Perinatal death is a fetal death or neonatal death, as defined below.

Fetal death relates to the delivery of a child weighing at least 500 grams at delivery (or, when birthweight is unavailable, of at least 22 weeks gestation) who did not, at any time after delivery,

breathe or show any other evidence of life such as a heartbeat.

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

Live birth is the delivery of a child weighing at least 500 grams at delivery (or, when birthweight is unavailable, of at least 22 weeks gestation) who after being born, breathes or shows any other evidence of life such as a heartbeat.

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. Where it is not known whether the time of cessation of heartbeat was before or after delivery, those deaths have been included with fetal deaths. In 1993 there were 14 males and 11 females in this category — see Table 4.

Perinatal death rates

8. For comparison and measuring purposes, perinatal deaths in this publication have also been expressed as rates. These rates are defined as follows:

(a) for fetal deaths and total perinatal deaths, the rates represent the number of deaths per 1,000 live births and fetal deaths combined.

(b) for neonatal deaths, the rates represent the number of deaths per 1,000 live births.

9. The live birth statistics used to calculate the rates, are shown in the Appendix, but differ from those published in *Births, Australia* (3301.0). The live birth statistics used in this publication have been adjusted to exclude births registered in *Other Territories* and also those known to have weighed under 500 grams (in accordance with the WHO definition — see paragraph 3). However, infants who survived 28 days or more but who weighed less than 500 grams at birth have not been excluded since figures for weight at birth are not available for those who survive 28 days or more. The adjusted birth figures shown in the tables (and the rates based on them), therefore, must be considered approximate.

Classification of cause of death

10. For perinatal deaths, both the main condition in the fetus/infant, and the main condition in the mother are coded to the full four-digit level of the Ninth Revision of the International Classification of Diseases (ICD). An abridged version of ICD was used in perinatal deaths publications prior to 1983. However, with the decline in perinatal mortality that has occurred, some categories of that classification are now responsible for few perinatal deaths. Causes selected for publication in this issue are

those categories of this abridged classification which were responsible for a significant proportion of perinatal deaths.

11. Tables in this publication show the ICD codes in brackets which constitute the causes of death or conditions described, e.g. *Extreme immaturity (765.0)*, *Birth trauma (767)* and *Maternal complications of pregnancy (761)*.

Statistics for States and Territories

12. The statistics of perinatal deaths are presented only in respect of the State or Territory which was the usual residence of the mother. Statistics can also be provided in respect of the State or Territory in which the death was registered i.e. occurred.

13. The Australian Standard Geographical Classification (ASGC) Version used in 1993 has a category *Other Territories* comprising Jervis Bay, Christmas Island and Cocos (Keeling) Islands. In the past, Jervis Bay was included with ACT and the 2 island Territories in *Offshore and Migratory*. Statistics for 1993 in this publication do not include data for *Other Territories*.

Data quality

14. Statistics of perinatal deaths are compiled from information supplied by the medical practitioner certifying the death, or by a coroner. This information is obtained as part of the death registration or notification process by individual State and Territory Registrars. The aggregate statistics shown in this publication are compiled by the ABS from the information provided by Registrars.

15. In compiling these statistics the ABS employs a variety of quality control measures to ensure the statistics are as reliable as possible. These measures include: coverage checks to ensure all relevant deaths are counted in the statistics; seeking further information where necessary to enable complete and accurate information about the death to be classified and coded; detailed computer editing of data; and checks on data output at the individual record and aggregate levels.

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

International comparability

17. For purposes of *international* comparison, WHO recommends a reduced scope for statistics of perinatal

deaths. This definition differs from the one which is recommended by WHO for *national* perinatal statistics (see paragraph 3). Tables 17 to 19 have been compiled on the WHO recommended *international* definition.

18. Other perinatal tabulations for Australia based on the WHO criteria for *international* comparison are available on request from the ABS.

Additional statistics available

19. Statistics can also be provided for all States and Territories except Tasmania for all fetuses weighing at least 400 grams or not less than 20 weeks gestational age and also for infants who die within 28 days of birth.

Related publications

20. Other ABS publications which may be of interest include:

Births, Australia (3301.0) — issued annually

Deaths, Australia (3302.0) -- issued annually

Causes of Death, Australia (3303.0) — issued annually

Deaths, New South Wales (3312.1) — issued annually

Deaths, Victoria (3312.2) — issued annually

Deaths, Queensland (3312.3) — issued annually

Deaths, South Australia (3312.4) --- issued annually

Deaths, Western Australia (3312.5) --- issued annually

Deaths, Tasmania (3312.6) — issued annually

21. This is the final issue of *Perinatal Deaths, Australia*. In future, selected statistics of perinatal deaths will be published in *Causes of Death, Australia* (3303.0).

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

Symbols and other usages

M	males
F	females
P	persons
r	figure or series revised since previous issue
—	nil or rounded to zero (including null cells)
..	not applicable

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

APPENDIX

BIRTHS REGISTERED (FOR USE IN CALCULATING RATES)

TABLE B1. BIRTHS(a) BY SEX OF CHILD AND STATE OR TERRITORY OF USUAL RESIDENCE OF MOTHER, 1993

Births	Sex	State or Territory of usual residence								
		NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Australia
Live Births	M	45,885	32,773	24,033	10,230	12,918	3,521	1,884	2,234	133,478
	F	43,435	31,238	22,707	9,844	12,149	3,312	1,718	2,180	126,583
Stillbirths(b)	M	220	159	115	57	70	21	17	9	668
	F	231	129	82	39	47	20	17	12	577
Total	M	46,105	32,932	24,148	10,287	12,988	3,542	1,901	2,243	134,146
	F	43,666	31,367	22,789	9,883	12,196	3,332	1,735	2,192	127,160
	P	89,771	64,299	46,937	20,170	25,184	6,874	3,636	4,435	261,306

(a) See Explanatory Notes, paragraph 9. (b) Including those where it was not known if the heartbeat ceased before or after delivery.

TABLE B2. BIRTHS(a) BY SEX OF CHILD AND AGE OF MOTHER, AUSTRALIA, 1993

Births	Sex	Age of mother (years)							Total
		Under 20	20-24	25-29	30-34	35-39	40 and over	Not stated	
Live Births	M	6,748	25,910	45,261	39,473	13,840	2,184	62	133,478
	F	6,417	24,737	42,978	37,480	12,863	2,042	66	126,583
Stillbirths(b)	M	41	153	227	147	76	18	6	668
	F	54	100	153	173	78	15	4	577
Total	M	6,789	26,063	45,488	39,620	13,916	2,202	68	134,146
	F	6,471	24,837	43,131	37,653	12,941	2,057	70	127,160
	P	13,260	50,900	88,619	77,273	26,857	4,259	138	261,306

(a) See Explanatory Notes, paragraph 9. (b) Including those where it was not known if the heartbeat ceased before or after delivery.

TABLE B3. BIRTHS(a) BY SEX, AUSTRALIA, 1988 TO 1993

Year	Live Births			Stillbirths(b)			Total		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
1988	126,152	119,912	246,064	822	651	1,473	126,974	120,563	247,537
1989	128,452	122,280	250,732	769	682	1,451	129,221	122,962	252,183
1990	135,125	127,370	262,495	888	702	1,590	136,013	128,072	264,085
1991	131,941	125,253	257,194	777	701	1,478	132,718	125,954	258,672
1992	135,500	128,463	263,963	779	714	1,493	136,279	129,177	265,456
1993	133,478	126,583	260,061	668	577	1,245	134,146	127,160	261,306

(a) See Explanatory Notes, paragraph 9. (b) Including those where it was not known if the heartbeat ceased before or after delivery.



For more information ...

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