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Supplement to Assisted reproductive technology in Australia and New Zealand 2002

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Please note that as with all statistical reports there is the potential for minor revisions of data in *Assisted reproductive technology in Australia and New Zealand 2002* over its one-year life. Please refer to the online version at <www.npsu.unsw.edu.au>.

Introductory Notes

The data presented in this supplement present information on all treatment cycles that took place in 2002 in Australia and New Zealand. All babies discussed in this report were conceived in 2002 and born in either 2002 or 2003. Tables also include data from 1993 to 2002 where acknowledged.

Data source

Data comes from the Australian and New Zealand Assisted Reproduction Database. ANZARD includes information about the treatment methods of IVF, ICSI and GIFT. It also includes information about: treatment via the cryopreservation and thaw of embryos; donor insemination; treatment involving donated gametes or embryos; and the use of technologies such as assisted hatching, preimplantation genetic diagnosis and blastocyst culture. ANZARD contains details of all pregnancy and birth outcomes, including mode of delivery, birth status, birthweight, gestational age, plurality, perinatal mortality, congenital malformation and maternal morbidity. ANZARD does not contain information about artificial insemination using partner's sperm.

Data on treatment cycles are collected at each fertility centre at the time of treatment and provided to the NPSU within 6 months. Fertility centre staff follow up patients for data on their pregnancy and birth outcomes, which is provided to the NPSU within 6–12 months. There are 25 fertility centres in Australia and 4 in New Zealand. Each provides data for ANZARD.

Data accuracy

Most fertility centres have advanced data management systems and are able to provide the NPSU with high quality data. The NPSU subjects all data to an extensive process of validation. Inaccuracies are followed up with fertility centre staff. For 2002, less than 1% of treatment data and approximately 2% of pregnancy outcomes are not stated. The Reproductive Technology Accreditation Committee (RTAC) plays a role in ensuring the quality of ANZARD data by validating random data records against clinic files in their triennial inspections.

Data presentation

Each data case represents a treatment cycle and not a patient. Thus, it is possible that an individual woman can undergo more than one treatment in an annual cohort or experience more than one pregnancy. This also means that information reported about patient characteristics, such as age, parity, and cause of infertility, are based on calculations in which individuals may be counted several times.

For multiple pregnancies, mother items which may be different for each baby, such as gestational age and method of birth, are classified according to the features of the first born baby.

Where applicable, percentages in tables have been calculated including the Not stated category. Cell sizes of three or less have not been published, in accordance with the AIHW's

policy on the reporting of small numbers. Exceptions to this are small numbers in Other and Not stated categories.

Data limitations

Follow-up of pregnancy information is limited because the ongoing care of pregnant patients is often carried out by non ART practitioners. Usually, the fertility centre follows up the outcome of the pregnancy with either the patient or her clinician. In a small proportion of cases this information is not available.

For pregnancies in which there is successful follow-up, data are limited by the self-reported nature of the information. These data include pregnancy complications, complications of fertility treatment, and infant morbidity (including birth anomaly). Fertility centre staff invest enormous effort into validating such information by obtaining medical records from clinicians or hospitals. Similarly, data about previous ART treatment and history of pregnancies are, in some cases, self-reported.

Abbreviations

ART Assisted reproductive technology
DI Donor insemination
ICSI Intracytoplasmic sperm injection
IVF In-vitro fertilisation

Table data: Tables W1–W23

Table W1: Distribution of women's age at time of treatment, 1993–2002

Women's age (years)	Year									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002*
<20	0.0	—	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20–24	2.1	1.9	1.8	2.0	1.9	1.5	1.7	1.4	1.6	1.3
25–29	18.0	16.5	15.9	16.3	16.3	15.5	14.1	13.5	12.2	11.7
30–34	38.5	37.5	36.0	35.8	34.1	34.5	33.9	33.5	32.5	31.3
35–39	30.4	31.1	31.9	31.5	32.6	33.8	34.2	33.6	34.4	35.2
40–44	11.0	13.0	14.4	14.3	13.9	13.4	14.9	16.7	17.6	18.3
≥45	—	—	—	—	1.2	1.3	1.3	1.3	1.7	2.1
All ages	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mean age	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	35.2

n.a. mean female age at time of treatment not available prior to 2002.

*Note: 1993–2001 age taken at oocyte retrieval and comes from Assisted Conception Data Collection 1979–2001; 2002 age taken at initiation of treatment and comes from ANZARD.

Table W2: Distribution of causes of infertility, 1993–2002

Cause of infertility	Year									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Male factor only	22.7	22.6	25.1	33.9	33.0	30.5	32.1	30.7	29.7	24.7
Female factor: Tubal disease	27.0	26.5	20.4	17.7	16.2	15.5	14.9	13.4	12.4	9.2
Female factor: Endometriosis	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5.3
Multiple causes	12.8	14.8	16.2	19.4	19.5	23.5	20.3	21.0	23.6	33.3
Unexplained	20.2	19.2	21.2	19.3	20.4	18.4	19.4	21.6	19.8	15.0
Other (including fibroids, ovulation disorders, premature ovarian failure)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	12.4
All causes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

n.a. changes in coding of cause of infertility means data regarding endometriosis and 'other' fields not available prior to 2002.

Table W3: Number of fresh and frozen embryo transfer cycles transferring one, two, three and four or more embryos, by treatment type, 2002

Number of embryos transferred	Non donor oocytes/embryos				Donor oocytes/embryos	Not stated	All
	Fresh all	Fresh IVF	Fresh ICSI	Frozen			
	Number						
1	3,862	1,686	2,130	3,656	256	23	7,797
2	10,533	4,348	5,981	6,413	714	54	17,714
3	980	405	559	392	68	9	1,449
≥4	73	42	30	26	11	1	111
Not stated	28	4	9	14	3	38	83
Total embryo transfer cycles	15,476	6,485	8,709	10,501	1,052	125	27,154
	Per cent						
1	25.0	26.0	24.5	100.3	24.3	18.4	28.7
2	68.1	67.0	68.7	61.1	67.9	43.2	65.2
3	6.3	6.2	6.4	3.7	6.5	7.2	5.3
≥4	0.5	0.6	0.3	0.2	1.0	0.8	0.4
Not stated	0.2	0.1	0.1	0.1	0.3	30.4	0.3
Total embryo transfer cycles	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table W4: Cause of infertility, by treatment type, 2002

Cause of infertility	Non donor oocytes/embryos				Donor oocytes/embryos	DI	All
	Fresh all	Fresh IVF	Fresh ICSI	Frozen			
	Number						
Male factor only	5,250	303	4,411	2,342	137	1256	9,021
Female factor: Tubal disease	1,986	1,316	347	1,264	71	16	3,351
Female factor: Endometriosis	1,189	753	247	691	32	33	1,949
Multiple causes	6,224	1,946	3,317	4,053	848	999	12,164
Unexplained	3,313	2,080	783	1,694	190	281	5,474
Other (including fibroids, ovulation disorders, premature ovarian failure)	1,921	950	522	1,326	455	834	4,524
All causes	19,883	7,348	9,627	11,370	1,733	3,419	36,483
	Per cent						
Male factor only	26.4	4.1	45.8	20.6	7.9	36.7	24.7
Female factor: Tubal disease	10.0	17.9	3.6	11.1	4.1	0.5	9.2
Female factor: Endometriosis	6.0	10.2	2.6	6.1	1.8	1.0	5.3
Multiple causes	31.3	26.5	34.5	35.6	48.9	29.2	33.3
Unexplained	16.7	28.3	8.1	14.9	11.0	8.2	15.0
Other (including fibroids, ovulation disorders, premature ovarian failure)	9.7	12.9	5.4	11.7	26.3	24.4	12.4
All causes	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TableW5: Plurality of pregnancies ≥20 weeks duration, by treatment type, 2002

Plurality	Non donor oocytes/embryos				Donor oocytes/embryos	DI	Not stated	All
	Fresh all	Fresh IVF	Fresh ICSI	Frozen				
Singleton	2,883	1,219	1,585	1,366	171	312	16	4,748
Twin	790	347	421	n.p.	42	n.p.	3	1,070
Triplet	30	16	14	n.p.	0	n.p.	0	33
Total deliveries	3,703	1,582	2,020	1,580	213	336	19	5,851
Singleton	77.9	78.5	77.1	86.5	80.3	93.0	84.2	81.1
Twin	21.3	20.8	21.9	—	19.7	—	15.8	18.3
Triplet	0.8	0.7	1.0	—	0.0	—	0.0	0.6
Total deliveries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

n.p. not published due to small cell size.

Table W6: Pregnancy outcome by cause of infertility, 2002

Pregnancy outcome	Cause of infertility						All causes
	Male factor only	Tubal disease	Endometriosis	Multiple causes	Unexplain	Other	
	Number						
Live birth singleton	1,336	406	258	1,410	772	494	4,677
Live birth multiple	297	106	66	352	164	92	1,077
Miscarriage	373	121	89	421	223	152	1,379
Still birth	15	6	n.p.	n.p.	7	7	49
Neonatal death	8	4	n.p.	n.p.	5	4	23
Termination or reduction	17	8	n.p.	n.p.	5	5	23
Ectopic or heterotopic pregnancy	40	24	7	47	14	13	145
Not stated	59	12	5	48	28	18	170
Total pregnancies	2,145	687	430	2,312	1,218	785	7,577
	Per cent						
Live birth singleton	62.3	59.1	60.0	61.0	63.4	62.9	61.7
Live birth multiple	13.8	15.4	15.3	15.2	13.5	11.7	14.2
Miscarriage	17.4	17.6	20.7	18.2	18.3	19.4	18.2
Still birth	0.7	0.9	—	—	0.6	0.9	0.6
Neonatal death	0.4	0.6	—	—	0.4	0.5	0.3
Termination or reduction	0.8	1.2	—	—	0.4	0.6	0.3
Ectopic or heterotopic pregnancy	1.9	3.5	1.6	2.0	1.1	1.7	1.9
Not stated	2.8	1.7	1.2	2.1	2.3	2.3	2.2
Total pregnancies	100.0	100.0	100.0	100.0	100.0	100.0	100.0

n.p. not published due to small cell size.

Note: Perinatal deaths are reported by patients to fertility centre staff. These data are not official vital statistics data.

Table W7: Duration of pregnancies ≥20 weeks gestation, by cause of infertility, 2002

Duration of pregnancy (weeks)	Cause of infertility						All causes
	Male factor only	Tubal disease	Endometriosis	Multiple causes	Unexplain	Other	
	Number						
20–27	35	16	4	29	23	14	121
28–31	43	9	11	43	20	20	146
32–36	245	106	60	276	151	93	931
20–36	323	131	75	348	194	127	1,198
≥37	1,351	391	252	1,430	760	469	4,653
Total deliveries	1,674	522	327	1,778	954	596	5,851
Mean gestational age (weeks)	37.8	37.4	37.6	37.8	37.6	37.6	37.2
	Per cent						
20–27	2.1	3.1	1.2	1.6	2.4	2.3	2.1
28–31	2.6	1.7	3.4	2.4	2.1	3.4	2.5
32–36	14.6	20.3	18.3	15.5	15.8	15.6	15.9
20–36	19.3	25.1	22.9	19.6	20.3	21.3	20.5
≥37	80.7	74.9	77.1	80.4	79.7	78.7	79.5
Total deliveries	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Note: Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W8: Outcome of pregnancy, by maternal age, 2002

Pregnancy outcome	Women's age (years)						Not stated	All ages
	≤24	25–29	30–34	35–39	40–44	≥45		
Live birth singleton	67	678	1,863	1,642	378	45	3	4,676
Live birth multiple	17	197	491	300	56	13	3	1,077
Miscarriage	17	125	434	527	258	17	1	1,379
Still birth	4	7	18	14	6	0	0	49
Neonatal death	0	5	9	7	n.p.	n.p.	0	23
Termination or reduction	0	10	13	24	7	4	0	58
Ectopic or heterotopic pregnancy	0	16	67	45	n.p.	n.p.	0	145
Not stated	3	32	63	55	15	1	1	170
Total pregnancies	108	1,070	2,958	2,614	738	81	8	7,577
Live birth singleton	62.0	63.4	63.0	62.8	51.2	55.6	37.5	61.7
Live birth multiple	15.7	18.4	16.6	11.5	7.6	16.0	37.5	14.2
Miscarriage	15.7	11.7	14.7	20.2	35.0	21.0	12.5	18.2
Still birth	3.7	0.7	0.6	0.5	0.8	0.0	0.0	0.6
Neonatal death	0.0	0.5	0.3	0.3	—	—	0.0	0.3
Termination or reduction	0.0	0.9	0.4	0.9	0.9	4.9	0.0	0.8
Ectopic or heterotopic pregnancy	0.0	1.5	2.3	1.7	—	—	0.0	1.9
Total pregnancies	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

n.p. not published due to small cell size.

Note: Perinatal deaths are reported by patients to fertility centre staff. These data are not official vital statistics data.

Table W9: Duration of pregnancies ≥20 weeks gestation, by maternal age, 2002

Duration of pregnancy (weeks)	Women's age (years)						Not stated	All ages
	≤24	25-29	30-34	35-39	40-44	≥45		
	Number							
20-27	n.p.	25	50	36	8	n.p.	0	121
28-31	n.p.	30	64	35	10	n.p.	0	146
32-36	9	158	408	283	60	11	2	929
20-36	13	213	522	354	78	16	2	1,196
≥ 37	74	678	1,870	1,618	366	42	5	4,648
Total deliveries	87	891	2,392	1,972	444	58	7	5,851
Mean gestational age	37.9	37.5	37.7	37.8	37.8	36.7	—	37.2
	Per cent							
20-27	—	2.8	2.1	1.8	1.8	—	0.0	2.1
28-31	—	3.4	2.7	1.8	2.3	—	0.0	2.5
32-36	10.3	17.7	17.1	14.4	13.5	19.0	28.6	15.9
20-36	14.9	23.9	21.8	18.0	17.6	27.6	28.6	20.4
≥ 37	85.1	76.1	78.2	82.0	82.4	72.4	71.4	79.4
Total deliveries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

n.p. not published due to small cell size.

Note: Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W10: Plurality of pregnancies ≥20 weeks gestation, by maternal age, 2002

Plurality	Women's age (years)						Not stated	All ages
	≤24	25-29	30-34	35-39	40-44	≥45		
	Number							
Singleton	69	689	1,888	1,667	386	45	4	4,748
Twin	18	198	488	296	54	13	3	1,070
Triplet	0	4	16	9	4	0	0	33
Total deliveries	87	891	2,392	1,972	444	58	7	5,851
	Per cent							
Singleton	79.3	77.3	78.9	84.5	86.9	77.6	57.1	81.1
Twin	20.7	22.2	20.4	15.0	12.2	22.4	42.9	18.3
Triplet	0.0	0.4	0.7	0.5	0.9	0.0	0.0	0.6
Total deliveries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table W11: Number of fresh and frozen embryo transfer cycles transferring one, two, three and four or more embryos, by pregnancy outcome, 2002

Pregnancy outcome	Number of embryos transferred					N.A.	All
	1	2	3	≥4	Not stated		
	Number						
Live birth singleton	1,080	3,067	174	13	12	330	4,676
Live birth multiple	28	954	57	6	0	32	1,077
Miscarriage	283	915	101	8	4	68	1,379
Still birth	7	35	n.p.	0	0	n.p.	49
Neonatal death	3	18	n.p.	0	0	n.p.	23
Termination or reduction	12	42	n.p.	0	0	n.p.	58
Ectopic or heterotopic pregnancy	29	94	10	n.p.	0	n.p.	145
Not stated	39	101	n.p.	n.p.	0	21	170
Total pregnancies	1,481	5,226	357	29	49	435	7,577
	Per cent						
Live birth singleton	72.9	58.7	48.7	44.8	24.5	75.9	61.7
Live birth multiple	1.9	18.3	16.0	20.7	0.0	7.4	14.2
Miscarriage	19.1	17.5	28.3	27.6	8.2	15.6	18.2
Still birth	0.5	0.7	—	0.0	0.0	—	0.6
Neonatal death	0.2	0.3	—	0.0	0.0	—	0.3
Termination or reduction	0.8	0.8	—	0.0	0.0	—	0.8
Ectopic or heterotopic pregnancy	2.0	1.8	2.8	—	0.0	—	1.9
Not stated	2.6	1.9	—	—	0.0	4.8	2.2
Total pregnancies	100.0	100.0	100.0	100.0	100.0	100.0	100.0

N.A. includes treatments in which no embryos were transferred such as GIFT and donor insemination.

n.p. not published due to small cell size.

Note: Perinatal deaths are reported by patients to fertility centre staff. These data are not official vital statistics data.

Table W12: Duration of pregnancies ≥ 20 weeks gestation, by number of fresh and frozen embryo transfer cycles transferring one, two, three or four or more embryos, 2002

Duration of pregnancies (weeks)	Number of embryos transferred						All
	1	2	3	≥ 4	Not stated	N.A.	
	Number						
20–27	12	96	10	n.p.	0	n.p.	121
28–31	17	110	10	n.p.	0	n.p.	146
32–36	111	732	43	7	1	37	931
20–36	140	938	63	9	1	47	1,198
≥ 37	986	3,163	171	10	10	313	4,653
Total deliveries	1,126	4,101	234	19	11	360	5,851
Mean gestation (weeks)	38.2	37.5	37.0	36.7	—	—	37.2
	Per cent						
20–27	1.1	2.3	4.3	—	0.0	—	2.1
28–31	1.5	2.7	4.3	—	0.0	—	2.5
32–36	9.9	17.8	18.4	36.8	9.1	10.3	15.9
20–36	12.4	22.9	26.9	47.4	9.1	13.1	20.5
≥ 37	87.6	77.1	73.1	52.6	90.9	86.9	79.5
Total deliveries	100.0	100.0	100.0	100.0	100.0	100.0	100.0

N.A. includes treatments in which no embryos were transferred such as GIFT and donor insemination.

n.p. not published due to small cell size.

Note: Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W13: Birthweight of babies ≥20 weeks gestation, by type of treatment, 2002

Birth weight (g)	Non donor oocytes/embryos				Donor oocytes/embryos	DI	Not stated	All
	Fresh all	Fresh IVF	Fresh ICSI	Frozen				
	Number							
<1,000	135	63	72	29	7	n.p.	n.p.	173
1,000–1,499	136	62	70	15	10	9	0	170
1,500–1,999	283	134	143	76	21	8	0	388
2,000–2,499	593	249	329	134	36	21	0	784
<2,500	1,147	508	614	254	74	40	0	1,515
2,500–2,999	1,096	474	586	339	50	53	6	1,544
3,000–3,499	1,252	532	681	554	73	112	9	2,000
3,500–3,999	770	323	428	438	44	103	5	1,360
≥4,000	220	87	130	179	9	40	0	448
Not stated	68	37	30	32	5	n.p.	n.p.	120
Total babies	4,553	1,961	2,469	1,796	255	361	22	6,987
Mean birth weight (g)	2,892	2,865	2,912	3,178	2,849	3,275	—	2,985
	Per cent							
<1,000	3.0	3.2	2.9	1.6	2.7	—	—	2.5
1,000–1,499	3.0	3.2	2.8	0.8	3.9	2.5	0.0	2.4
1,500–1,999	6.2	6.8	5.8	4.2	8.2	2.2	0.0	5.6
2,000–2,499	13.0	12.7	13.3	7.5	14.1	5.8	0.0	11.2
<2,500	25.2	25.9	24.9	14.1	29.0	11.1	0.0	21.7
2,500–2,999	24.1	24.2	23.7	18.9	19.6	14.7	27.3	22.1
3,000–3,499	27.5	27.1	27.6	30.8	28.6	31.0	40.9	28.6
3,500–3,999	16.9	16.5	17.3	24.4	17.3	28.5	22.7	19.5
≥4,000	4.8	4.4	5.3	10.0	3.5	11.1	0.0	6.4
Total babies	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

n.p. not published due to small cell size.

Note: Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W14: Gestational age of babies ≥ 20 weeks gestation, by birth outcome, 2002

Gestational age (weeks)	Live birth	Still birth	Neonatal death	Not stated	All
Number					
20–27	102	48	31	4	185
28–31	232	6	4	1	243
32–36	1,453	13	n.p.	n.p.	1,476
20–36	1,787	67	37	13	1,904
≥ 37	5,029	13	n.p.	n.p.	5,083
Total babies	6,816	80	40	51	6,987
Mean gestational age (weeks)	37.4	27.5	25.3	—	37.2
Per cent					
20–27	1.5	60.0	77.5	7.8	2.6
28–31	3.4	7.5	10.0	2.0	3.5
32–36	21.3	16.3	—	—	21.1
20–36	26.2	83.8	92.5	25.5	27.3
≥ 37	73.8	16.3	—	—	72.7
Total babies	100.0	100.0	100.0	100.0	100.0

n.p. not published due to small cell size.

Notes:

1. Perinatal deaths are reported by patients to fertility centre staff. These data are not official vital statistics data.
2. Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W15: Birthweight of babies ≥20 weeks gestation, by birth outcome, 2002

Birthweight (grams)	Live birth	Still birth	Neonatal death	Not stated	All
	Number				
<1,000	114	32	27	0	173
1,000–1,499	157	5	6	2	170
1,500–1,999	382	6	n.p.	n.p.	388
2,000–2,499	774	8	n.p.	n.p.	784
<2,500	1,427	51	34	3	1,515
2,500–2,999	1,536	4	n.p.	n.p.	1,544
3,000–3,499	1,991	0	n.p.	n.p.	2,000
3,500–3,999	1,357	n.p.	0	n.p.	1,360
≥4,000	443	n.p.	n.p.	n.p.	448
Not stated	62	23	2	33	120
Total babies	6,816	80	40	51	6,987
Mean birth weight (g)	3,011	1,167	973	-	2,985
	Per cent				
<1,000	1.7	40.0	67.5	0.0	2.5
1,000–1,499	2.3	6.3	15.0	3.9	2.4
1,500–1,999	5.6	7.5	—	—	5.6
2,000–2,499	11.4	10.0	—	—	11.2
<2,500	20.9	63.8	85.0	5.9	21.7
2,500–2,999	22.5	5.0	—	—	22.1
3,000–3,499	29.2	0.0	—	—	28.6
3,500–3,999	19.9	—	0.0	—	19.5
≥4,000	6.5	—	—	—	6.4
Total babies	100.0	100.0	100.0	100.0	100.0

n.p. not published due to small cell size.

Notes:

1. Perinatal deaths are reported by patients to fertility centre staff. These data are not official vital statistics data.
2. Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W16: Perinatal mortality of babies ≥20 weeks gestation or 400 grams, by treatment type, 2002

Birth outcome	Non donor oocytes/embryos				Donor oocytes/embryo	DI	Not stated	All
	Fresh all	Fresh IVF	Fresh ICSI	Frozen				
Live births	4,446	1,909	2,415	1,759	252	363	22	6,842
Still births	57	27	30	16	n.p.	n.p.	0	81
Neonatal deaths	35	20	14	5	n.p.	n.p.	0	40
Not stated	27	11	16	19	n.p.	n.p.	0	51
Total babies	4,565	1,967	2,475	1,799	257	371	22	7,014
Perinatal deaths	92	47	44	21	n.p.	n.p.	0	121
Stillbirths per 1,000 births	12.5	13.7	12.1	8.9	—	—	0.0	11.5
Neonatal deaths per 1,000 births	7.7	10.2	5.7	2.8	—	—	0.0	5.7
Perinatal deaths per 1,000 births	20.2	23.9	17.8	11.7	11.7	13.5	0.0	17.3

n.p. not published due to small cell size.

Note: Perinatal deaths are based on deaths reported to the NPSU and differ from registered deaths compiled by the Australian Bureau of Statistics.

Table W17: Perinatal mortality of babies ≥20 weeks gestation or 400 grams, by maternal age, 2002

Birth outcome	Women's age (years)					Not stated	All ages
	≤24	25-29	30-34	35-39	≥40		
Live births	100	1,071	2,852	2,244	565	10	6,842
Still births	5	11	33	25	7	—	81
Neonatal deaths	—	10	16	10	4	—	40
Not stated	—	12	21	16	1	1	51
Total babies	105	1,104	2,922	2,295	577	11	7,014
Perinatal deaths	5	21	49	35	11	—	121
Stillbirths per 1,000 births	47.6	10.0	11.3	10.9	12.1	—	11.5
Neonatal deaths per 1,000 births	—	9.1	5.5	4.4	0.7	—	5.7
Perinatal deaths per 1,000 births	47.6	19.0	16.8	15.3	19.1	0.0	17.3

Note: Perinatal deaths are based on deaths reported to the NPSU and differ from registered deaths compiled by the Australian Bureau of Statistics.

Table W18: Birth anomalies in singleton and multiple babies ≥20 weeks gestation, by type of treatment, 2002

This table is not presented because of variable quality in ascertainment of congenital anomalies in ANZARD. In particular, ANZARD does not report on the source of notification of congenital anomalies and whether the diagnoses have been verified. The scope of the collection does not allow for complete reporting of congenital anomalies.

Previously published data in Assisted Conception reports on congenital anomalies should be interpreted with caution due to the limitations described above.

Table W19: ART involving preimplantation genetic diagnosis (PGD), by selected statistics, 2002

	PGD	No PGD	
		ICSI	IVF
Cycles with embryo transfer	489	14,820	12,031
Pregnancies	115	3,782	3,355
Live deliveries	84	2,881	2,534
<i>Multiple deliveries (%)</i>	<i>8.0</i>	<i>19.1</i>	<i>20.6</i>
<i>Live delivery per embryo transfer (%)</i>	<i>17.2</i>	<i>19.4</i>	<i>21.1</i>
Live babies	91	3,432	3,048
Mean birthweight (g)	3,360	3,067	3,016
Mean gestational age (weeks)	37.7	38.2	37.1

Notes:

1. Includes cycles using fresh and frozen embryos.
2. Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W20: ART involving assisted hatching, by selected statistics, 2002

	Assisted Hatching	No Assisted Hatching	
		ICSI	IVF
Cycles with embryo transfer	1,144	14,577	11,561
Pregnancies	251	3,735	3,252
Live deliveries	170	2,857	2,465
<i>Multiple deliveries (%)</i>	<i>14.6</i>	<i>19.1</i>	<i>20.7</i>
<i>Live delivery per embryo transfer (%)</i>	<i>14.9</i>	<i>19.6</i>	<i>21.3</i>
Live babies	197	3,403	2,962
Mean birthweight (g)	2,895	3,074	3,029
Mean gestational age (weeks)	37.0	37.5	37.1

Notes:

1. Includes cycles using fresh and frozen embryos.
2. Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W21: ART involving blastocyst culture, by selected statistics, 2002

	Blastocyst embryos (5 days)	Cleavage embryos (3 days)
Cycles with embryo transfer	3,864	23,261
Pregnancies	1,165	5,936
Live deliveries	869	4,523
<i>Multiple deliveries (%)</i>	18.6	19.7
<i>Live delivery per embryo transfer (%)</i>	22.5	19.4
Live babies	1,027	5,410
Mean birthweight (g)	3,172	3,029
Mean gestational age (weeks)	37.2	37.3

Notes:

1. Includes cycles using fresh and frozen embryos.
2. Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W22: ART involving special techniques of sperm retrieval, by selected statistics, 2002

	Site of sperm extraction			
	Ejaculate	Epididymus	Testes	Other
Cycles with embryo transfer	24,249	737	1,057	178
Pregnancies	6,373	215	296	30
Live deliveries	4,833	162	231	24
<i>Multiple deliveries (%)</i>	19.4	19.1	24.7	25.0
<i>Live delivery per embryo transfer (%)</i>	19.9	22.0	21.9	13.5
Live babies	5,757	193	288	30
Mean birthweight (g)	2,962	3,023	2,992	2,796
Mean gestational age (weeks)	37.2	37.4	37.0	36.0

Notes:

1. Epididymal sperm is extracted by either open biopsy or PESA.
2. Means are not adjusted for potential confounders such as plurality, mode of delivery and age.

Table W23: ART involving surrogacy, by selected statistics, 2002.

Not available.