

# Assisted reproductive technology in Australia and New Zealand

Cambridge

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# Contents

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## and symbols

ART	assisted reproductive technology
DET	double embryo transfer
GIFT	gamete intrafallopian transfer
ICSI	intracytoplasmic sperm injection
IVF	in vitro fertilisation
OPU	oocyte pick-up
PESA	

# Intro

This document contains the supplementary on-line tables for the Assisted Reproductive Technology in Australia and New Zealand 2019 report. These supplementary tables should be read in conjunction with the report. A copy of the report can be found at the National Perinatal Epidemiology and Statistics Unit website:

<https://npesu.unsw.edu.au/data-collection/australian-new-zealand-assisted-reproduction-database-anzard>



HUV`Y`G%`HfYUra YbhWmWYg`VmiWUi gY`cZ]bZffij`]mžkfYUra YbhImdY`UbX`dfcWfXi fYž5 i glfU]UUbX`BYk`  
NYUUbXž&\$%

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7Ui gY`cZ]bZffij`]m

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**HIV YG& '5i hc`c[ ci g'lfYUra YbhWWWYg'VmWU gY'cZ]bZfifj]mUbX'gci fW'cZgdYfa ž5i ghfU]U'UbX'BYk ' NYU'UbXž&\$%**

7 U gY'cZ]bZfifj]m	Gci fW'cZgdYfa							
	<i gVUbX#iUfbyf		8 cbcf		BchgtUHYX		HcHU	
	b	i	b	i	b	i	b	i
Male factor only	8,224	87.2	752	8.0	451	4.8	9,427	100.0
Female factor	25,149	74.0	5,767	17.0	3,049	9.0	33,965	100.0
<i>Tubal disease only</i>	2,458	92.8	59	2.2	133	5.0	2,650	100.0
<i>Endometriosis only</i>	3,596	84.6	313	7.4	342	8.0	4,251	100.0
<i>Other female factor only</i>	14,632	72.4	3,332	16.5	2,249	11.1	20,213	100.0
<i>Combined female factor</i>	4,463	65.1	2,063	30.1	325	4.7	6,851	100.0
Combined male/female factor	4,792	79.8	843	14.0	369	6.1	6,004	100.0
Unexplained	11,423	80.1	1,622					

**HUV'Y'G' . 'Ci Hwta Y'cZYa Vfnrc 'lfUbgZyf 'WwWYg 'VmiHWW bjei Y'cZgdYfa 'fYfjYj Uż5 i glfU'JU'UbX'BYk 'NYU'UbXž &\$%**

GHU] Y#i Hwta Y'cZifYUfa Ybh	GjH'cZgdYfa 'Yl HfUW]cb				
	9 'UW'`UHY	9 d]X]Xna ]g <sup>lk</sup>	HfghjW'`Uf	CH Yf	BchgtUHX
Embryo transfers	55,105	496	1,878	12	616
Clinical pregnancies	19,495	176	666	2	240
Live births <sup>(b)</sup>	15,368	143	530	2	194
<i>Clinical pregnancies per transfer cycle (%)</i>	35.4	35.5	35.5	16.7	39.0
<i>Live births per transfer cycle (%)</i>	27.9	28.8	28.2	16.7	31.5

(a) Epididymal sperm is extracted by either open biopsy or percutaneous epididymal sperm aspiration (PESA).

(b) A live birth is the birth of one or more liveborn i



HUV`Y`G).`Ci HWta YcZYa Vfmc`IfUbgZf`WWYg`VmighUj`YcZYa Vfmc`XYj Ycda Yblž5 i ghU`jU`UbX`BYk`NYU`UbXž  
&\$%

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: fYg\

H Uk

GHU`Y#i HWta YcZ  
IfYUta Ybh

**HUV'Y'G+. '6 jfH g'VmWUi gY'cZ]bZfHj]ImiUbX'V]fH 'ci Ht'a Yž5 i gffU]U'UbX'BYk 'NYU'UbXž&\$%**

7 U gY'cZ]bZfHj]Im	6 jfH 'ci Ht'a Y					
	@j Y'V]fH <sup>FL</sup>		GH]`V]fH <sup>FL</sup>		HcHJ <sup>FL</sup>	
	b	i	b	i	b	i
Male factor only	1,943	99.4	10	0.5	1,954	100.0
Female factor	6,338	99.2	51	0.8	6,389	100.0
<i>Tubal disease only</i>	578	99.3	4	0.7	582	100.0
<i>Endometriosis only</i>	860	99.3	6	0.7	866	100.0
<i>Other female factor only</i>	3,531	99.3	25	0.7	3,556	100.0
<i>Combined female factor</i>	1,369	98.8	16	1.2	1,385	100.0
Combined male/female factor	1,297	99.2	10	0.8	1,307	100

HUV'YG, . '6 ]fH g'Vm[ YgHU]cbU`U[ Y'UbX`WU g'Y'cZ]bZfH] ]mž5 i ghfU]U'UbX`BYk `NYU'UbXž&\$%

: Ya UY ZWcf

; YgHU]cbU`U` U[ Y`..... fk YY_gŁ	AUY ZWcf cb`n	Hi VU X]gYUgY cb`n	9bXca ! Yf]c]g]g cb`n	CH Yf ZYa UY ZWcf cb`n	7 ca V]bYX ZYa UY a UY# ZWcf	7 ca V]bYX ZYa UY ZWcf	I b! Yl d`U]bYX	BchgtUHYX	5` WU gYg
Mean (weeks)	38.3	37.8	38.1	38.0	38.0	38.1	38.0	38.0	38.0
	<b>b</b>								
27	21	10	7	47	26	15	37	44	207
28-31	17	9	15	48	14	13	43	44	203
32-36	165	73	92	368	123	106	282	364	1,573
< 37 <sup>(a)</sup>	203	92	114	463	163	134	362	452	1,983
37	1,751	490	752	3,093	1,222	1,173	2,567	3,338	14,386
<b>H:HU</b>	<b>1,954</b>	<b>582</b>	<b>866</b>	<b>3,556</b>	<b>1,385</b>	<b>1,307</b>	<b>2,929</b>	<b>3,790</b>	<b>16,369</b>
	<b>i</b>								
27	1.1	1.7	0.8	1.3	1.9	1.1	1.3	1.2	1.3
28-31	0.9	1.5	1.7	1.3	1	1	1.5	1.2	1.2
32-36	8.4	12.5	10.6	10.3	8.9	8.1	9.6	9.6	



**HUV'Y'G%'6 jfH g'Vmid`i fU]ImiUbX'a UHfBU`Uj YZ5 i gHfU]U'UbX'BYk 'NYU'UbXZ`&&%**

; YgHjcb	5 [ Y[ fci d'fmUfgL <sup>bl</sup>						5''
	@&(	&)!&-	' \$!' (	' )!' -	(\$!((	''()	
	<b>b</b>						
Singleton	90	1,407	5,243	6,397	2,445	307	15,889
Twin	2	47	170	173	73	10	475
Higher order multiple	0	0	1	2	2	0	5
<b>HcHU</b>	<b>92</b>	<b>1,454</b>	<b>5,414</b>	<b>6,572</b>	<b>2,520</b>	<b>317</b>	<b>16,369</b>
	<b>i</b>						
Singleton	97.8	96.8	96.8	97.3	97.0	96.8	97.1
Twin	2.2	3.2	3.1	2.6	2.9	3.2	2.9
Higher order multiple	0.0	0.0	0.1	0.1	0.1	0.0	0.0
<b>HcHU</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

(a) Age at time of birth

Note: Totals and subtotals may not equal 100.0 due to rounding. Data should be interpreted with caution due to small numbers in certain cells.

**HUV'Y'G%'& '6 jfH `ci HMc a Yg'Vmia UHfBU`Uj YZ5 i gHfU]U'UbX'BYk 'NYU'UbXZ`&&%**

6 jfH `ci HMc a Y	5 [ Y[ fci d'fmUfgL <sup>bl</sup>						5''
	@&(	&)!&-	' \$!' (	' )!' -	(\$!((	''()	
	<b>b</b>						
Live birth <sup>(b)</sup>	92	1,444	5,376	6,519	2,491	315	16,237
Stillbirth <sup>(c)</sup>	0						





HUV'Y'G%#. ; YghUjcbU`Uj Y'cZVUVjYg`VmiVjfh `ci Hwta Ygž5 i gfhUjU'UbX'BYk `NYU'UbXž&\$%

	@j Y'Vjfh <sup>fl</sup>		Gj`Vjfh <sup>fl</sup>		5` <sup>fl</sup>	
; YghUjcbU`Uj Y'fk YY_gk	b	i	b	i	b	i
Mean (weeks)	38.0		26.0		37.9	



HUV`Y`G%. `6 jfH k Yj[ \ hcZVUW]Yg`VmilfYUra YbhlmdY`UbX`dfcWXi fYz5 i glfUjU`UbX`BYk `NYU`UbXz`&\$%

5 i hc`c[ ci g					
6 jfH k Yj[ \ hf[ fUa gL	: fYgl `=:	: fYgl `7 G=	H Uk	CcWm#A Vmc fYVd]Ybl	5`
Mean (grams)	3,110	3,130	3,266	3,149	3,206
			<b>b</b>		
< 1,000	44	36	85	8	173
1,000-1,499	50	27	82	15	174
1,500-1,999	114	84	170	19	387
2,000-2,499	283	224	534	62	1,103
< 2,500 <sup>(a)</sup>	491	371	871	104	1,837
2,500-2,999	663	538	1,570	171	2,942
3,000-3,499	1,318	936	3,553	307	6,114
3,500-3,999	847	601	2,747	207	4,402

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# List of Tables

Vcdng"U3<"Vtgcwo gpv'e{ergu'd{"ecwug"qh'kphgtvkrk\."tgcwo gpv'v{r g'cpf "r tqegf wtg.'Cwutcrk"cpf "P gy " \ gcrpf."423; .....	4
Vcdng"U4<"Cwqmqi qwu'tgcwo gpv'e{ergu'd{"ecwug"qh'kphgtvkrk\ "cpf "uqweg"qh'ur gto .'Cwutcrk"cpf "P gy " \ gcrpf."423; .....	5
Vcdng"U5<"Qweqo g'qh'go dt{q'tcpuhgt"e{ergu'd{"\gej pks wg"qh'ur gto "tgtkxcn'Cwutcrk"cpf "P gy " \ gcrpf."423; .....	6
Vcdng"U6<"Go dt{q'tcpuhgt"e{ergu'd{"pwo dgt"qh'go dt{qu'tcpuhgttgf."tgcwo gpv'v{r g'cpf "r tqegf wtg." Cwutcrk"cpf "P gy "\ gcrpf."423; .....	6