

**Table 1**

**Number of Gametes and Embryos Stored by RT Centres in 2017**

<b>Storage</b>	<b>as at 31 December 2017</b>
Embryos	26129
Eggs (oocytes)	1739
Semen Samples	5600

**Table 2**

**Number and Ages of Gamete Donors in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

<b>Age Group</b>	<b>Female Donors</b>	<b>%</b>	<b>Male Donors</b>	<b>%</b>	<b>Total</b>
18-20	1	4.0%	1	3.1%	2
21-25	9	36.0%	9	28.1%	18
26-30	5	20.0%	10	31.3%	15
31-35	7	28.0%	8	25.0%	15
36-40	2	8.0%	1	3.1%	3
41-45	1	4.0%	0	0.0%	1
46-50	0	0.0%	2	6.3%	2
51-55	0	0.0%	1	3.1%	1
56 or above	0	0.0%	0	0.0%	0
<b>Total no. of donors:</b>	<b>25</b>	<b>100.0%</b>	<b>32</b>	<b>100.0%</b>	<b>57</b>

*Remark:*

*The number of donors refers to the number of donors whose donated gametes were used in 2017.*

**Table 3**

**Number and Ages of Embryo Donors in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

<b>Age Group</b>	<b>Female Donors</b>	<b>%</b>	<b>Male Donors</b>	<b>%</b>	<b>Total</b>
18-20	0	0.0%	0	0.0%	0
21-25	0	0.0%	0	0.0%	0
26-30	0	0.0%	0	0.0%	0
31-35	0	0.0%	0	0.0%	0
36-40	0	0.0%	0	0.0%	0
41-45	0	0.0%	0	0.0%	0
46-50	0	0.0%	0	0.0%	0
51-55	0	0.0%	0	0.0%	0
<b>Total no. of donors:</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>

*Remarks:*

- (1) Both female and male donors will be counted for embryo donation.*
- (2) The number of donors refers to the number of donors whose donated gametes were used in 2017.*

**Table 4**

**Number of Gametes and Embryos Donation Made in 2017**

<b>Donated Material</b>	<b>Number of Donors</b>	<b>Number of Donations Made</b>
Semen	30	83
Eggs (oocytes)	17	17
Embryos	0	0

*Remark:*

*The number of donors refers to the number of donors who made donation in 2017.*

**Table 5****Live Birth Outcome Using DI in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Number of DI Patients	9
Number of DI Treatment Cycles	16
Clinical Pregnancies	2
Clinical Pregnancy Rate	12.5%
Ongoing Pregnancy	2
Ongoing Pregnancy Rate	12.5%
Total DI Live Birth	2
DI Live Birth Rate	12.5%
DI Singleton Birth	1
DI Twin Birth	1
DI Triple and Higher Order Birth	0
Multiple DI Live Birth Rate	6.3%
Total Number of Babies Born	3

**Table 6****Live Birth Outcome Using Donated Gametes and Embryos in 2017 (RT procedures other than DI)**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

	<b>Donated Sperm</b>	<b>Donated Eggs (oocytes)</b>	<b>Donated Embryos</b>	<b>Total</b>
Number of Patients	27	25	0	52
Number of Treatment Cycles	37	39	NA	76
Embryo Transfers	29	32	NA	61
Clinical Pregnancies	17	18	NA	35
Clinical Pregnancy Rate	45.9%	46.2%	NA	46.1%
Ongoing Pregnancy	15	14	NA	29
Ongoing Pregnancy Rate	40.5%	35.9%	NA	38.2%
Total Live Births	14	13	NA	27
Live Birth Rate	37.8%	33.3%	NA	35.5%
Singleton Birth	12	13	NA	25
Twin Birth	2	0	NA	2
Triple and Higher Order Birth	0	0	NA	0
Multiple Live Birth Rate	5.4%	0.0%	NA	2.6%
Total Number of Babies Born	16	13	NA	29

*Remarks:*

*(1) NA = Not applicable*

*(2) RT Procedures include: IVF, IVF/ ICSI, MIFT and FET.*

**Table 7**

**Types of RT Procedures in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

<b>Types of RT Procedures</b>	<b>No. of Patients</b>	<b>No. of Treatment Cycles</b>
IVF-ET	1059	1292
IVF+ICSI	3026	3807
GIFT	0	0
ZIFT/PROST	0	0
Frozen-thawed ET	3378	4487
AIH	2489	3719
Others	138	170
<b>Total:</b>	<b>10090</b>	<b>13475</b>

*Remarks:*

*(1) "Others" include 98 cycles of oocyte freezing (involving 75 patients), 54 failed cycles (involving 52 patients) at the time of oocyte retrieval or at the time of surgical sperm retrieval by MESA/TESE, 16 cycles (involving 9 patients) of donor insemination and 2 cycles of ICSI+MIFT (involving 2 patients).*

*(2) Among 13,475 treatment cycles, 1,449 cycles involved other types of micromanipulation such as assisted hatching, in vitro maturation of eggs, PGD, PGS, MESA, TESA or TESE.*

*(3) There are 415 treatment cycles involved more than one type of RT procedures, which included (a) IVF (with and without ICSI) - 305 cycles; (b) IVF (with ICSI) & Frozen-thawed ET - 73 cycles; (c) IVF (without ICSI) & Frozen-thawed ET - 27 cycles; (d) IVF (with and without ICSI) & Frozen-thawed ET - 10 cycles.*

**Table 8****Analysis of Live Birth Rates among Women by Different Age Group in IVF Cycles in 2017 (with or without ICSI)***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	IVF- with ICSI					Age	IVF- without ICSI				
	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate		Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate
18-20	0	NA	NA	NA	NA	18-20	0	NA	NA	NA	NA
21-25	30	4	13.3%	4	13.3%	21-25	8	1	12.5%	1	12.5%
26-30	239	29	12.1%	25	10.5%	26-30	69	4	5.8%	4	5.8%
31-35	1031	130	12.6%	113	11.0%	31-35	377	72	19.1%	59	15.6%
36-40	1496	187	12.5%	148	9.9%	36-40	579	94	16.2%	76	13.1%
41-45	880	35	4.0%	21	2.4%	41-45	236	15	6.4%	8	3.4%
46-50	130	0	0.0%	0	0.0%	46-50	23	0	0.0%	0	0.0%
51-55	1	0	0.0%	0	0.0%	51-55	0	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>3807</b>	<b>385</b>	<b>10.1%</b>	<b>311</b>	<b>8.2%</b>	<b>Total:</b>	<b>1292</b>	<b>186</b>	<b>14.4%</b>	<b>148</b>	<b>11.5%</b>

Age	IVF- all cycles				
	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate
18-20	0	NA	NA	NA	NA
21-25	38	5	13.2%	5	13.2%
26-30	308	33	10.7%	29	9.4%
31-35	1408	202	14.3%	172	12.2%
36-40	2075	281	13.5%	224	10.8%
41-45	1116	50	4.5%	29	2.6%
46-50	153	0	0.0%	0	0.0%
51-55	1	0	0.0%	0	0.0%
56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>5099</b>	<b>571</b>	<b>11.2%</b>	<b>459</b>	<b>9.0%</b>

**Remarks:***(1) NA = Not applicable**(2) The age of wife has been used in calculating the age of patient.**(3) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.*



**Table 9****Analysis of Live Birth Rates among Women by Different Age Group in Different Type of RT Procedures in 2017***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	IVF- ET					Age	GIFT				
	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate		Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate
18-20	0	NA	NA	NA	NA	18-20	0	NA	NA	NA	NA
21-25	8	1	12.5%	1	12.5%	21-25	0	NA	NA	NA	NA
26-30	69	4	5.8%	4	5.8%	26-30	0	NA	NA	NA	NA
31-35	377	72	19.1%	59	15.6%	31-35	0	NA	NA	NA	NA
36-40	579	94	16.2%	76	13.1%	36-40	0	NA	NA	NA	NA
41-45	236	15	6.4%	8	3.4%	41-45	0	NA	NA	NA	NA
46-50	23	0	0.0%	0	0.0%	46-50	0	NA	NA	NA	NA
51-55	0	NA	NA	NA	NA	51-55	0	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>1292</b>	<b>186</b>	<b>14.4%</b>	<b>148</b>	<b>11.5%</b>	<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

Age	ZIFT/PROST					Age	AIH-IUI				
	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate		Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate
18-20	0	NA	NA	NA	NA	18-20	0	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	21-25	17	1	5.9%	1	5.9%
26-30	0	NA	NA	NA	NA	26-30	329	47	14.3%	36	10.9%
31-35	0	NA	NA	NA	NA	31-35	1730	188	10.9%	158	9.1%
36-40	0	NA	NA	NA	NA	36-40	1255	119	9.5%	90	7.2%
41-45	0	NA	NA	NA	NA	41-45	326	14	4.3%	7	2.1%
46-50	0	NA	NA	NA	NA	46-50	25	0	0.0%	0	0.0%
51-55	0	NA	NA	NA	NA	51-55	1	0	0.0%	0	0.0%
56 and above	0	NA	NA	NA	NA	56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>Total:</b>	<b>3683</b>	<b>369</b>	<b>10.0%</b>	<b>292</b>	<b>7.9%</b>

**Remarks:***(1) NA = Not applicable**(2) The age of wife has been used in calculating the age of patient.*

**Table 10**

**Analysis on Effect of One Embryo Transferred (Fresh/Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	13	13	8	61.5%	8	61.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	8
26-30	180	208	86	41.3%	73	35.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	73
31-35	873	1097	428	39.0%	358	32.6%	11	1.0%	8	0.7%	8	0.7%	0	0.0%	366
36-40	1030	1259	387	30.7%	310	24.6%	10	0.8%	8	0.6%	8	0.6%	0	0.0%	318
41-45	351	429	70	16.3%	52	12.1%	2	0.5%	2	0.5%	2	0.5%	0	0.0%	54
46-50	29	36	5	13.9%	4	11.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4
51-55	1	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>2477</b>	<b>3043</b>	<b>984</b>	<b>32.3%</b>	<b>805</b>	<b>26.5%</b>	<b>23</b>	<b>0.8%</b>	<b>18</b>	<b>0.6%</b>	<b>18</b>	<b>0.6%</b>	<b>0</b>	<b>0.0%</b>	<b>823</b>

**Analysis on Effect of Two Embryos Transferred (Fresh/Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	13	13	7	53.8%	6	46.2%	3	23.1%	2	15.4%	2	15.4%	0	0.0%	8
26-30	154	185	93	50.3%	82	44.3%	38	20.5%	31	16.8%	31	16.8%	0	0.0%	113
31-35	686	788	375	47.6%	337	42.8%	130	16.5%	102	12.9%	102	12.9%	0	0.0%	439
36-40	1079	1327	479	36.1%	391	29.5%	102	7.7%	79	6.0%	77	5.8%	2	0.2%	472
41-45	433	531	85	16.0%	56	10.5%	6	1.1%	4	0.8%	4	0.8%	0	0.0%	60
46-50	33	41	2	4.9%	1	2.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>2398</b>	<b>2885</b>	<b>1041</b>	<b>36.1%</b>	<b>873</b>	<b>30.3%</b>	<b>279</b>	<b>9.7%</b>	<b>218</b>	<b>7.6%</b>	<b>216</b>	<b>7.5%</b>	<b>2</b>	<b>0.1%</b>	<b>1093</b>

**Analysis on Effect of Three Embryos Transferred (Fresh/Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	5	5	2	40.0%	2	40.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2
31-35	28	29	9	31.0%	9	31.0%	6	20.7%	6	20.7%	6	20.7%	0	0.0%	15
36-40	73	77	27	35.1%	25	32.5%	5	6.5%	5	6.5%	5	6.5%	0	0.0%	30
41-45	107	124	22	17.7%	11	8.9%	4	3.2%	2	1.6%	2	1.6%	0	0.0%	13
46-50	16	18	3	16.7%	2	11.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>229</b>	<b>253</b>	<b>63</b>	<b>24.9%</b>	<b>49</b>	<b>19.4%</b>	<b>15</b>	<b>5.9%</b>	<b>13</b>	<b>5.1%</b>	<b>13</b>	<b>5.1%</b>	<b>0</b>	<b>0.0%</b>	<b>62</b>

**Analysis on Effect of Four or More Embryos Transferred (Fresh/Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31-35	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36-40	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41-45	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46-50	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Remarks:**

- (1) NA = Not applicable
- (2) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (3) The age of wife has been used in calculating the age of patient.
- (4) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.

**Table 11**

**Analysis on Effect of One Embryo Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	2	2	2	100.0%	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2
26-30	56	56	16	28.6%	13	23.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	13
31-35	299	304	102	33.6%	84	27.6%	4	1.3%	3	1.0%	3	1.0%	0	0.0%	87
36-40	308	317	79	24.9%	62	19.6%	1	0.3%	1	0.3%	1	0.3%	0	0.0%	63
41-45	108	116	14	12.1%	9	7.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	9
46-50	8	9	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>781</b>	<b>804</b>	<b>213</b>	<b>26.5%</b>	<b>170</b>	<b>21.1%</b>	<b>5</b>	<b>0.6%</b>	<b>4</b>	<b>0.5%</b>	<b>4</b>	<b>0.5%</b>	<b>0</b>	<b>0.0%</b>	<b>174</b>

**Analysis on Effect of Two Embryos Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	4	4	2	50.0%	2	50.0%	2	50.0%	1	25.0%	1	25.0%	0	0.0%	3
26-30	26	26	14	53.8%	13	50.0%	8	30.8%	6	23.1%	6	23.1%	0	0.0%	19
31-35	189	195	90	46.2%	79	40.5%	29	14.9%	18	9.2%	18	9.2%	0	0.0%	97
36-40	455	485	174	35.9%	138	28.5%	37	7.6%	27	5.6%	27	5.6%	0	0.0%	165
41-45	166	176	24	13.6%	15	8.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	15
46-50	9	10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>849</b>	<b>896</b>	<b>304</b>	<b>33.9%</b>	<b>247</b>	<b>27.6%</b>	<b>76</b>	<b>8.5%</b>	<b>52</b>	<b>5.8%</b>	<b>52</b>	<b>5.8%</b>	<b>0</b>	<b>0.0%</b>	<b>299</b>

**Analysis on Effect of Three Embryos Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31-35	5	5	1	20.0%	1	20.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
36-40	30	30	8	26.7%	6	20.0%	1	3.3%	1	3.3%	1	3.3%	0	0.0%	7
41-45	45	52	9	17.3%	4	7.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4
46-50	6	7	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>86</b>	<b>94</b>	<b>18</b>	<b>19.1%</b>	<b>11</b>	<b>11.7%</b>	<b>1</b>	<b>1.1%</b>	<b>1</b>	<b>1.1%</b>	<b>1</b>	<b>1.1%</b>	<b>0</b>	<b>0.0%</b>	<b>12</b>

**Analysis on Effect of Four or More Embryos Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31-35	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36-40	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41-45	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46-50	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Remarks:**

- (1) NA = Not applicable
- (2) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (3) The age of wife has been used in calculating the age of patient.
- (4) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.

**Table 12**

**Analysis on Effect of One Embryo Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	11	11	6	54.5%	6	54.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6
26-30	133	152	70	46.1%	60	39.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	60
31-35	641	793	326	41.1%	274	34.6%	7	0.9%	5	0.6%	5	0.6%	0	0.0%	279
36-40	781	942	308	32.7%	248	26.3%	9	1.0%	7	0.7%	7	0.7%	0	0.0%	255
41-45	260	313	56	17.9%	43	13.7%	2	0.6%	2	0.6%	2	0.6%	0	0.0%	45
46-50	22	27	5	18.5%	4	14.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4
51-55	1	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>1849</b>	<b>2239</b>	<b>771</b>	<b>34.4%</b>	<b>635</b>	<b>28.4%</b>	<b>18</b>	<b>0.8%</b>	<b>14</b>	<b>0.6%</b>	<b>14</b>	<b>0.6%</b>	<b>0</b>	<b>0.0%</b>	<b>649</b>

**Analysis on Effect of Two Embryos Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	9	9	5	55.6%	4	44.4%	1	11.1%	1	11.1%	1	11.1%	0	0.0%	5
26-30	133	159	79	49.7%	69	43.4%	30	18.9%	25	15.7%	25	15.7%	0	0.0%	94
31-35	517	594	286	48.1%	259	43.6%	101	17.0%	84	14.1%	84	14.1%	0	0.0%	343
36-40	708	851	310	36.4%	255	30.0%	66	7.8%	53	6.2%	51	6.0%	2	0.2%	310
41-45	304	366	63	17.2%	42	11.5%	6	1.6%	4	1.1%	4	1.1%	0	0.0%	46
46-50	27	32	2	6.3%	1	3.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>1698</b>	<b>2011</b>	<b>745</b>	<b>37.0%</b>	<b>630</b>	<b>31.3%</b>	<b>204</b>	<b>10.1%</b>	<b>167</b>	<b>8.3%</b>	<b>165</b>	<b>8.2%</b>	<b>2</b>	<b>0.1%</b>	<b>799</b>

**Analysis on Effect of Three Embryos Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	5	5	2	40.0%	2	40.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2
31-35	23	24	8	33.3%	8	33.3%	6	25.0%	6	25.0%	6	25.0%	0	0.0%	14
36-40	48	49	19	38.8%	19	38.8%	4	8.2%	4	8.2%	4	8.2%	0	0.0%	23
41-45	74	85	14	16.5%	8	9.4%	4	4.7%	2	2.4%	2	2.4%	0	0.0%	10
46-50	11	12	3	25.0%	2	16.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>161</b>	<b>175</b>	<b>46</b>	<b>26.3%</b>	<b>39</b>	<b>22.3%</b>	<b>14</b>	<b>8.0%</b>	<b>12</b>	<b>6.9%</b>	<b>12</b>	<b>6.9%</b>	<b>0</b>	<b>0.0%</b>	<b>51</b>

**Analysis on Effect of Four or More Embryos Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	No. of Patients	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate	Ongoing Multiple Pregnancy	Ongoing Multiple Pregnancy Rate	Multiple Births	Multiple Live Birth Rate	Twin Live Births	Twin Live Birth Rate	Triple and Above Live Births	Triple and Above Live Birth Rate	No. of Babies
18-20	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31-35	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36-40	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41-45	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46-50	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Remarks:**

- (1) NA = Not applicable
- (2) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (3) The age of wife has been used in calculating the age of patient.
- (4) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.

**Table 13**

**Live Birth Rate and Multiple Pregnancy Rate for Different Number of Embryo Transferred in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

<b>No. of Embryos Transferred</b>	<b>Treatment Cycles</b>	<b>Ongoing Pregnancy</b>	<b>Ongoing Pregnancy Rate</b>	<b>Multiple Pregnancy</b>	<b>Multiple Pregnancy Rate</b>	<b>Live Births</b>	<b>Live Birth Rate</b>
1	3043	984	32.3%	23	0.8%	805	26.5%
2	2885	1041	36.1%	279	9.7%	873	30.3%
3	253	63	24.9%	15	5.9%	49	19.4%
4 or above	0	NA	NA	NA	NA	NA	NA

*Remark:*

*(1) NA = Not applicable*

*(2) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.*

**Table 14****Analysis on the Usage of Fresh / Frozen Oocytes and Live Birth Rate by Age Group in 2017***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Age	IVF using fresh oocytes					Age	IVF using frozen oocytes				
	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate		Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate
18-20	0	0	NA	NA	NA	18-20	0	0	NA	NA	NA
21-25	31	4	12.9%	4	12.9%	21-25	0	0	NA	NA	NA
26-30	258	28	10.9%	24	9.3%	26-30	2	2	100.0%	2	100.0%
31-35	1247	190	15.2%	161	12.9%	31-35	7	0	0.0%	0	0.0%
36-40	1830	264	14.4%	209	11.4%	36-40	5	1	20.0%	1	20.0%
41-45	928	47	5.1%	28	3.0%	41-45	13	0	0.0%	0	0.0%
46-50	120	0	0.0%	0	0.0%	46-50	1	0	0.0%	0	0.0%
51-55	0	0	NA	NA	NA	51-55	0	0	NA	NA	NA
56 and above	0	0	NA	NA	NA	56 and above	0	0	NA	NA	NA
<b>Total:</b>	<b>4414</b>	<b>533</b>	<b>12.1%</b>	<b>426</b>	<b>9.7%</b>	<b>Total:</b>	<b>28</b>	<b>3</b>	<b>10.7%</b>	<b>3</b>	<b>10.7%</b>

**Remarks:***(1) NA = Not applicable**(2) Cases reported include all cycles of IVF and IVF+ICSI.**(3) The age of wife has been used in calculating the age of patient.*

**Table 15**

**Results and Outcome for Different Types of RT Procedures in 2017**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)

	RT procedures																	
	IVF			GIFT			ZIFT/PROST			ICSI with IVF			ICSI with PROST			ICSI with MIFT		
	OWN	DON	ALL	OWN	DON	ALL	OWN	DON	ALL	OWN	DON	ALL	OWN	DON	ALL	OWN	DON	ALL
No. of patients	1052	7	1059	0	0	0	0	0	0	3004	22	3026	0	0	0	2	0	2
No. of cycles started	1285	7	1292	NA	NA	NA	NA	NA	NA	3784	23	3807	NA	NA	NA	2	NA	2.00
No. of embryo transfer (ET)	564	2	566	NA	NA	NA	NA	NA	NA	1341	12	1353	NA	NA	NA	1	NA	1.00
No. of oocyte transferred / cycle	1.56	1.50	1.56	NA	NA	NA	NA	NA	NA	1.62	1.25	1.62	NA	NA	NA	2.00	NA	2.00
- Fresh embryos	1.47	1.50	1.47	NA	NA	NA	NA	NA	NA	1.55	1.25	1.55	NA	NA	NA	2.00	NA	2.00
- Frozen embryos	0.09	0.00	0.08	NA	NA	NA	NA	NA	NA	0.07	0.00	0.07	NA	NA	NA	0.00	NA	0.00
No. of gamete transfer	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
No. of oocyte transferred / cycle	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
- Fresh oocytes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
- Frozen oocytes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
No. of clinical pregnancies	209	1	210	NA	NA	NA	NA	NA	NA	448	7	455	NA	NA	NA	0	NA	0
No. of no pregnancy@	1075	6	1081	NA	NA	NA	NA	NA	NA	3336	16	3352	NA	NA	NA	2	NA	2
No. of miscarriage (spont. abortion)	22	0	22	NA	NA	NA	NA	NA	NA	62	2	64	NA	NA	NA	0	NA	0
No. of hydatidiform mole	0	0	0	NA	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	0	NA	0
No. of ectopic pregnancy	2	0	2	NA	NA	NA	NA	NA	NA	6	0	6	NA	NA	NA	0	NA	0
No. of heterotopic pregnancy	0	0	0	NA	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	0	NA	0
No. of termination of pregnancy (TOP)	0	0	0	NA	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	0	NA	0
No. of ongoing pregnancy	185	1	186	NA	NA	NA	NA	NA	NA	380	5	385	NA	NA	NA	0	NA	0
Ongoing pregnancy rate*	14.4%	14.3%	14.4%	NA	NA	NA	NA	NA	NA	10.0%	21.7%	10.1%	NA	NA	NA	0	NA	0
No. of live births	147	1	148	NA	NA	NA	NA	NA	NA	306	5	311	NA	NA	NA	0	NA	0
Live birth rate	11.4%	14.3%	11.5%	NA	NA	NA	NA	NA	NA	8.1%	21.7%	8.2%	NA	NA	NA	0.0%	NA	0.0%
No. lost to follow up	1	0	1	NA	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	0	NA	0
Clinical pregnancy rate/ cycle started	16.3%	14.3%	16.3%	NA	NA	NA	NA	NA	NA	11.8%	30.4%	12.0%	NA	NA	NA	0	NA	0
Clinical pregnancy rate/ transfer	37.1%	50.0%	37.1%	NA	NA	NA	NA	NA	NA	33.4%	58.3%	33.6%	NA	NA	NA	0	NA	0
Ongoing pregnancy rate/ cycle started	14.4%	14.3%	14.4%	NA	NA	NA	NA	NA	NA	10.0%	21.7%	10.1%	NA	NA	NA	0	NA	0
Ongoing pregnancy rate/ transfer	32.8%	50.0%	32.9%	NA	NA	NA	NA	NA	NA	28.3%	41.7%	28.5%	NA	NA	NA	0	NA	0
Multiple pregnancy rate	1.6%	0.0%	1.5%	NA	NA	NA	NA	NA	NA	1.0%	0.0%	1.0%	NA	NA	NA	0.0%	NA	0.0%
-Twins	1.6%	0.0%	1.5%	NA	NA	NA	NA	NA	NA	1.0%	0.0%	1.0%	NA	NA	NA	0.0%	NA	0.0%
-Triplets	0.0%	0.0%	0.0%	NA	NA	NA	NA	NA	NA	0.0%	0.0%	0.0%	NA	NA	NA	0.0%	NA	0.0%
- 4 or more fetuses	0.0%	0.0%	0.0%	NA	NA	NA	NA	NA	NA	0.0%	0.0%	0.0%	NA	NA	NA	0.0%	NA	0.0%

**Table 15 (continued)**

**Results and Outcome for Different Types of RT Procedures in 2017**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)

	RT procedures										
	Surrogacy		Frozen-thawed ET			IVF/ICSI with frozen oocytes			Others		
	OWN	ALL	OWN	DON	ALL	OWN	DON	ALL	OWN	DON	ALL
No. of patients	0	0	3340	38	3378	26	2	28	127	0	127
No. of cycles started	NA	NA	4439	48	4487	26	2	28	152	0	152
No. of embryo transfer (ET)	NA	NA	4369	48	4417	13	1	14	0	0	0
No. of embryo transferred / cycle	NA	NA	1.53	1.54	1.53	1.69	1.00	1.64	NA	NA	NA
- Fresh embryos	NA	NA	0.02	0.00	0.02	1.54	1.00	1.50	NA	NA	NA
- Frozen embryos	NA	NA	1.52	1.54	1.52	0.15	0.00	0.14	NA	NA	NA
No. of gamete transfer	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
No. of oocyte transferred / cycle	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
- Fresh oocytes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
- Frozen oocytes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
No. of clinical pregnancies	NA	NA	1787	28	1815	3	0	3	NA	NA	NA
No. of no pregnancy @	NA	NA	2649	20	2669	23	2	25	NA	NA	NA
No. of miscarriage (spont. abortion)	NA	NA	227	4	231	0	0	0	NA	NA	NA
No. of hydatidiform mole	NA	NA	0	0	0	0	0	0	NA	NA	NA
No. of ectopic pregnancy	NA	NA	13	0	13	0	0	0	NA	NA	NA
No. of heterotopic pregnancy	NA	NA	0	0	0	0	0	0	NA	NA	NA
No. of termination of pregnancy (TOP)	NA	NA	5	0	5	0	0	0	NA	NA	NA
No. of ongoing pregnancy	NA	NA	1542	24	1566	3	0	3	NA	NA	NA
Ongoing pregnancy rate *	NA	NA	34.7%	50.0%	34.9%	11.5%	0.0%	10.7%	NA	NA	NA
No. of live births	NA	NA	1285	22	1307	3	0	3	NA	NA	NA
Live birth rate	NA	NA	28.9%	45.8%	29.1%	11.5%	0.0%	10.7%	NA	NA	NA
No. lost to follow up	NA	NA	3	0	3	0	0	0	NA	NA	NA
Clinical pregnancy rate/ cycle started	NA	NA	40.3%	58.3%	40.5%	11.5%	0.0%	10.7%	NA	NA	NA
Clinical pregnancy rate/ transfer	NA	NA	40.9%	58.3%	41.1%	23.1%	0.0%	21.4%	NA	NA	NA
Ongoing pregnancy rate/ cycle started	NA	NA	34.7%	50.0%	34.9%	11.5%	0.0%	10.7%	NA	NA	NA
Ongoing pregnancy rate/ transfer	NA	NA	35.3%	50.0%	35.5%	23.1%	0.0%	21.4%	NA	NA	NA
Multiple pregnancy rate	NA	NA	4.3%	4.2%	4.3%	0.0%	0.0%	0.0%	NA	NA	NA
-Twins	NA	NA	4.3%	4.2%	4.3%	0.0%	0.0%	0.0%	NA	NA	NA
-Triplets	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	NA	NA	NA
- 4 or more fetuses	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	NA	NA	NA

@ "No. of no pregnancy" are counted as those cycles which started and reported by the centre with an outcome of "no pregnancy", including those abandoned and those ending with elective cryopreservation of embryos.

\* "On-going pregnancy rate" = No. of on-going pregnancy / No. of cycles started x 100%

**Remarks:**

(1) NA = Not applicable

(2) OWN means using own gametes/embryos, DON means using donated gametes/embryos.

(3) RT Procedures include: IVF, GIFT, ZIFT, PROST, ICSI, MIFT, ET. The above figures do not include AIH procedures.

(4) "Others" include 98 cycles of oocyte freezing (involving 75 patients) and 54 failed cycles (involving 52 patients) at the time of oocyte retrieval or at the time of surgical sperm retrieval by MESA/TESE.

(5) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.



**Table 16****Results and Outcome for IUI with or without Ovarian Stimulation in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

	AIH-IUI
No. of patients	2489
No. of cycles started	3719
No. of cycles which proceeded to IUI	3683
No. of clinical pregnancies	433
No. of no pregnancy	3240
No. of miscarriage (spont. abortion)	50
No. of hydatidiform mole	1
No. of ectopic pregnancy	11
No. of heterotopic pregnancy	0
No. of termination of pregnancy (TOP)	1
No. of ongoing pregnancy	370
Ongoing pregnancy rate	9.9%
No. of live births	292
Live birth rate	7.9%
No. lost to follow up	46
Clinical pregnancy rate/ cycle started	11.6%
Clinical pregnancy rate/ cycle of IUI	11.8%
Ongoing pregnancy rate/ cycle started	9.9%
Ongoing pregnancy rate/ cycle of IUI	10.0%
Multiple pregnancy rate	0.6%
-Twins	0.6%
-Triplets	0.0%
- 4 or more fetuses	0.0%

**Table 17****Infertility Diagnosis by Age of Patients Receiving RT Procedures (other than DI and AIH) in 2017***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Diagnosis	Age Group (by no. of patients)									
	18-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56 and above	All
Male factor	0	5	83	446	541	97	3	0	0	<b>1175</b>
Tubal problem	0	2	26	99	109	19	0	0	0	<b>255</b>
Endometriosis	0	2	9	51	73	12	0	0	0	<b>147</b>
Immunologic problem	0	0	0	3	7	2	0	0	0	<b>12</b>
Tubo-peritoneal problem	0	1	9	84	78	11	0	0	0	<b>183</b>
Ovulatory problem	0	0	10	57	68	13	0	0	0	<b>148</b>
Unexplained	0	0	39	184	321	65	3	0	0	<b>612</b>
Other Causes	0	6	29	94	192	233	45	1	0	<b>600</b>
Multiple factors-female plus male	0	7	110	470	715	384	44	1	0	<b>1731</b>
Multiple factors-female only	0	9	29	158	216	117	5	0	0	<b>534</b>

*Remark:**The age of wife has been used in calculating the age of patient.*

**Table 18****Infertility Diagnosis by Age of Patients Receiving AIH Procedures in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Diagnosis	Age Group (by no. of patients)									
	18-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56 and above	All
Male factor	0	5	80	435	282	34	3	0	0	<b>839</b>
Endometriosis	0	0	9	32	25	3	0	0	0	<b>69</b>
Ovulatory problem	0	0	26	123	85	16	1	0	0	<b>251</b>
Unexplained	0	1	45	249	218	38	0	0	0	<b>551</b>
Others	0	2	14	76	95	82	8	1	0	<b>278</b>
Multiple factors-female plus male	0	3	44	197	119	34	1	0	0	<b>398</b>
Multiple factors-female only	0	0	8	44	39	11	1	0	0	<b>103</b>

*Remark:*

*The age of wife has been used in calculating the age of patient.*

**Table 19****Reasons for Treatment by Age of Patients - DI in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

Reasons	Age Group (by no. of patients)									
	18-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56 and above	All
Obstructive azoospermia	0	0	0	0	0	0	0	0	0	0
Nonobstructive azoospermia	0	0	0	2	3	2	1	0	0	8
Severe deficits in semen quality in couples who do not wish to undergo intracytoplasmic sperm injection	0	0	0	0	0	0	0	0	0	0
Genetic	0	0	1	0	0	0	0	0	0	1
Infectious disease in the male partner (such as HIV)	0	0	0	0	0	0	0	0	0	0
Severe rhesus isoimmunisation	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0

**Remarks:**

- (1) The age of husband has been used in calculating the age of patient.*
- (2) Same patient might have more than one reason for treatment.*

**Table 20****Live Birth Rates among Women who had RT Cycles by Diagnosis in 2017**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2017)*

<b>Diagnosis</b>	<b>Treatment Cycles</b>	<b>Ongoing Pregnancy</b>	<b>Ongoing Pregnancy Rate</b>	<b>Live Births</b>	<b>Live Birth Rate</b>
Male factor	3121	703	22.5%	592	19.0%
Tubal problem	418	118	28.2%	90	21.5%
Endometriosis	341	71	20.8%	59	17.3%
Immunologic problem	23	7	30.4%	4	17.4%
Tubo-peritoneal problem	287	69	24.0%	69	24.0%
Ovulatory problem	722	122	16.9%	93	12.9%
Unexplained	1938	334	17.2%	273	14.1%
Other Causes	1651	210	12.7%	173	10.5%
Mulitple factors-female plus male	3654	645	17.7%	531	14.5%
Mulitple factors-female only	889	179	20.1%	135	15.2%
<b>Total:</b>	<b>13044</b>	<b>2458</b>	<b>18.8%</b>	<b>2019</b>	<b>15.5%</b>

*Remark:*

*Cycles of DI are not included in this table but reported in Table 19.*

**Table 21**

**Number of Gametes / Embryos Stored / Used for Research (as at end December 2017)**

<b>Materials</b>	<b>Cumulative no. stored for research</b>
Embryos	863
Eggs (oocytes)	0
Semen Samples	164

<b>Materials</b>	<b>Cumulative no. used for research</b>
Embryos	2

**Table 22****Past and Current Research Projects ending December 2017**

Year	Name of Licensed Centre	Name of Project	Project Duration (no. of months)	Project Report Submitted	
				Yes	No
2008	-	-	-	-	-
2009	(i) PGD Centre, The University of Hong Kong – Queen Mary Hospital, Department of Medicine	(i) PGD of Spinal Muscular Atrophy	(i) 36 months	✓	
	(ii) Department of Obstetrics & Gynaecology, The University of Hong Kong	(ii) Effect of extracellular matrix on culture of human embryonic stem cells	(ii) 36 months	✓	
2010	-	-	-	-	-
2011	(iii) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong Kong	(iii) A case-series study to establish preimplantation genetic screening (PGS) and its clinical application	(iii) 36 months	✓	
2012	(iv) Department of Obstetrics & Gynaecology, The University of Hong Kong	(iv) Role of microRNA lethal-7(let-7) on blastocyst formation in mice and human embryos	(iv) 36 months	✓	
2013	(v) Department of Obstetrics & Gynaecology, The University of Hong Kong	(v) A study on extent of aneuploidy in preimplantation human embryos	(v) 36 months	✓	
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	(vi) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong Kong	(vi) A case-series study to establish preimplantation genetic screening (PGS) and its clinical application	(vi) 36 months		✓
	(vii) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong Kong	(vii) Molecular analysis of culture medium samples from embryos of in-vitro fertilisation (IVF) patients	(vii) 36 months		✓
<b>Total:</b>	<b>7</b>	<b>7</b>		<b>5</b>	<b>2</b>

*Remark:*

*Report of the outcome of the research project is to be submitted to the Council within 3 months after completion of the project.*