# Report of the College of Physicians for Assisted Reproduction Therapy

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Section 1: General overview

Table 1.1 All cycles: Type of cycles

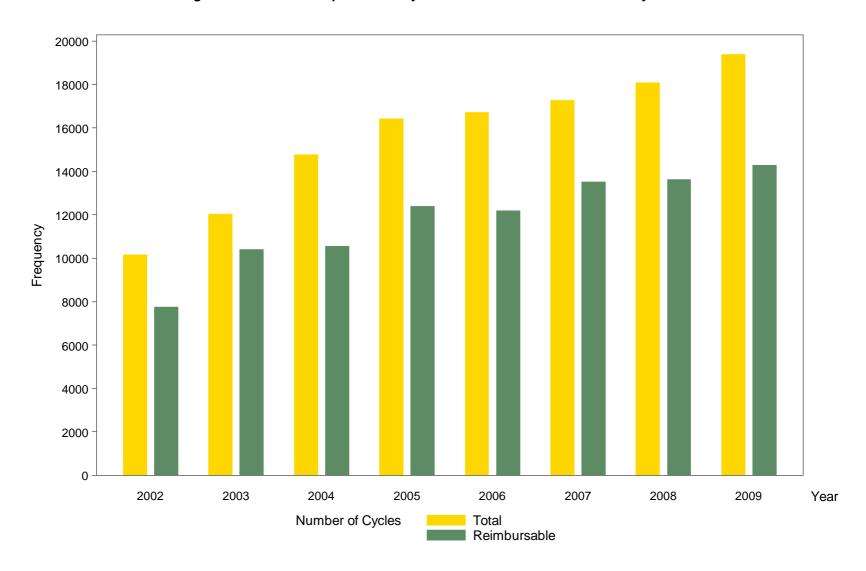
			All Centres	
	Statistic	Total (N=31736)	With social security (N=26124)	Without social security (N=5602)
Own fresh cycle	n (%)	20436 ( 64.39%)	16908 ( 64.72%)	3528 ( 62.98%)
Own cryo cycle	n (%)	8878 ( 27.97%)	7719 ( 29.55%)	1149 ( 20.51%)
Fresh recipient cycle	n (%)	930 ( 2.93%)	528 ( 2.02%)	402 ( 7.18%)
Cryo embryo recipient – donor egg	n (%)	533 ( 1.68%)	326 ( 1.25%)	207 ( 3.70%)
Fresh Donor cycle	n (%)	682 ( 2.15%)	472 ( 1.81%)	210 ( 3.75%)
Fresh sharing cycle	n (%)	67 ( 0.21%)	2 ( 0.01%)	65 ( 1.16%)
Mixed (fresh + thawed) cycle	n (%)	12 ( 0.04%)	9 ( 0.03%)	3 ( 0.05%)
Unspecified fresh cycle	n (%)	12 ( 0.04%)	11 ( 0.04%)	1 ( 0.02%)
Unspecified cryo cycle	n (%)	99 ( 0.31%)	72 ( 0.28%)	27 ( 0.48%)
Unknown cycle type	n (%)	81 ( 0.26%)	76 ( 0.29%)	5 ( 0.09%)
Cryo embryo recipient – donor embryo	n (%)	6 ( 0.02%)	1 ( 0.00%)	5 ( 0.09%)

Table 1.2 Own and recipient fresh cycles: Number of laboratory treatment cycles

	All Centres (N=16755, Missing=2630)										
		ts with Security		Patients without Social Security							
	N	(%)	N	(%)	N						
All ages & ranks	14994	(89.5%)	1761	(10.5%)	16755						
< 43 years old & rank < 7	14464	(91.6%)	1326	(8.4%)	15790						
< 43 years old & rank >=7	410	(60.7%)	266	(39.3%)	676						
>= 43 years old	120	(41.5%)	169	(58.5%)	289						

Note: Cancelled cycles are not included in the table.

Figure 1.3 Own and recipient fresh cycles: Evolution of total number of cycles



Note: Cancelled cycles are not included in the figure.

### Section 2: own fresh cycles

Table 2.1 Own fresh cycles: Overview of cycles

Cycle	All Centres					
Initiated	20436	(100.0%)				
Cancelled	1880	(9.2%)				
Aspiration	18556	(90.8%)				
Embryo Transfer	16089	(78.7%)				

Figure 2.2 Own fresh cycles: Female age and laborank

# All Centres (N=16007, Missing=4429)

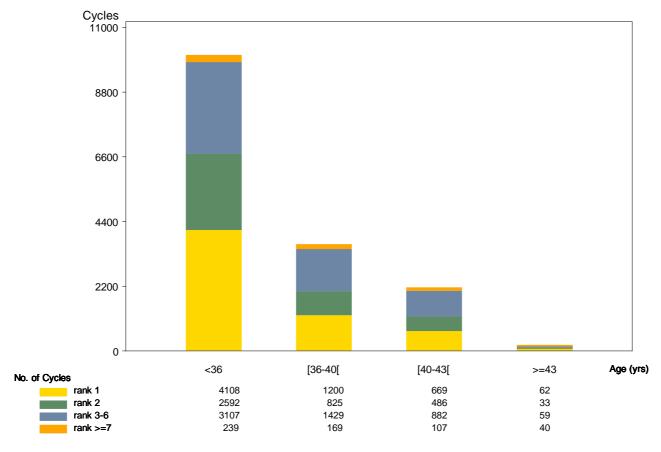


Figure 2.3 Own fresh cycles: Residence of the patient

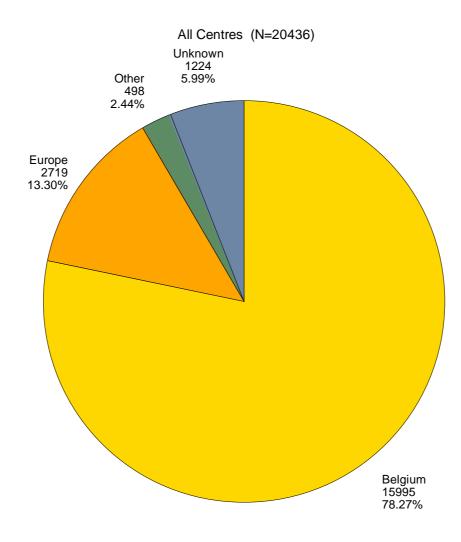
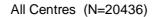
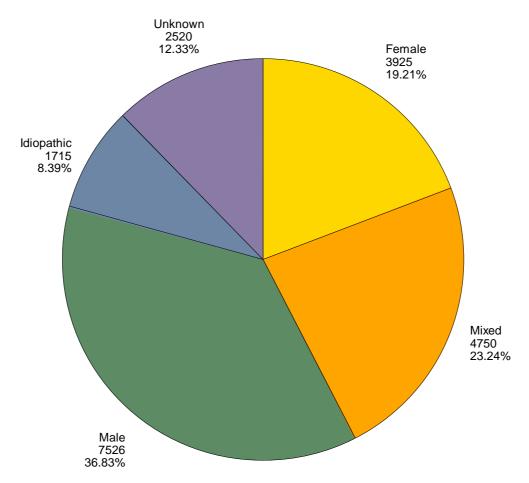


Figure 2.4 Own fresh cycles: Indications of ART





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Table 2.5 Own fresh cycles: Indications of ART: female and male causes

	Statistic	All Centres
Female pathology	N	8675
Tubal	n/N (%)	3407/8326 ( 40.92%)
Endometriosis	n/N (%)	2300/8041 ( 28.60%)
Ovulatory	n/N (%)	2743/8302 ( 33.04%)
Other	n/N (%)	981/7945 ( 12.35%)
Premature Ovarian Failure	n/N (%)	211/8442 ( 2.50%)
Genetic anomaly	n/N (%)	531/6582 ( 8.07%)
Immunological	n/N (%)	88/6065 ( 1.45%)
Male pathology	N	12276
Genetic anomaly	n/N (%)	429/9378 ( 4.57%)
Sperm abnormality	n/N (%)	11851/12251 ( 96.73%)
Immunological	n/N (%)	357/9693 ( 3.68%)

Some patients have more than one cause identified per cycle.

Figure 2.6 Own fresh cycles: Female age distribution

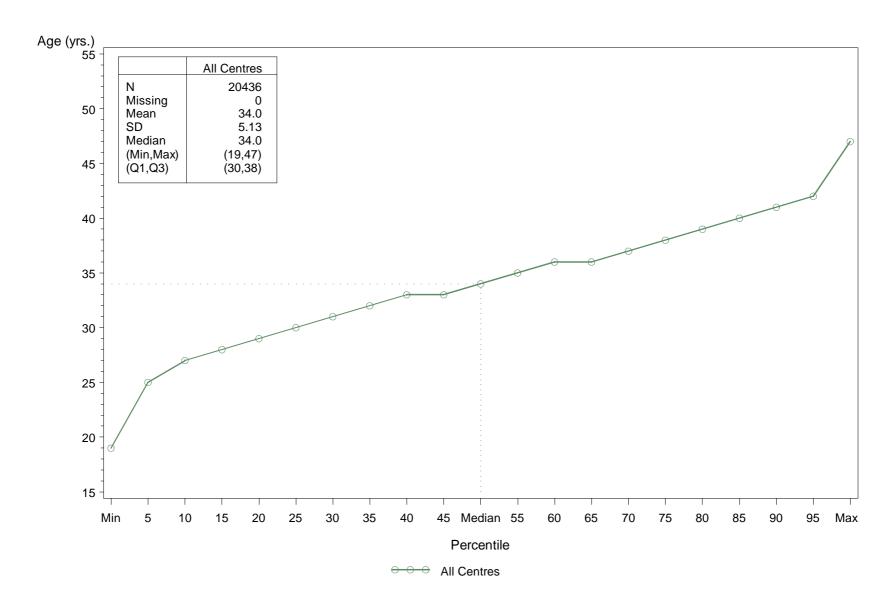


Figure 2.7 Own fresh cycles: Pituitary inhibition

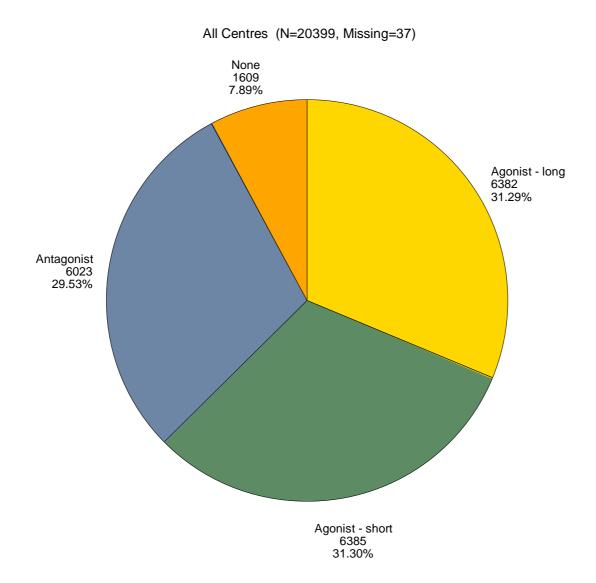


 Table 2.8 Own fresh cycles: Stimulation protocol

	Statistic	All Centres (N=20400, Missing=36)
Stimulation protocol		
Clomiphene	n/N (%)	107/20397 ( 0.52%
Gonadotrophins	n/N (%)	18150/20397 ( 88.98%
Clomiphene + Gonadotrophins	n/N (%)	387/20397 ( 1.90%
Aromatase Inhibitor + Gonadotrophins	n/N (%)	420/20397 ( 2.06%
Substitution	n/N (%)	25/20397 ( 0.12%
None	n/N (%)	920/20397 ( 4.51%
Other	n/N (%)	388/20397 ( 1.90%

Figure 2.9 Own fresh cycles: Total dose of Gonadotrophins (percentiles)

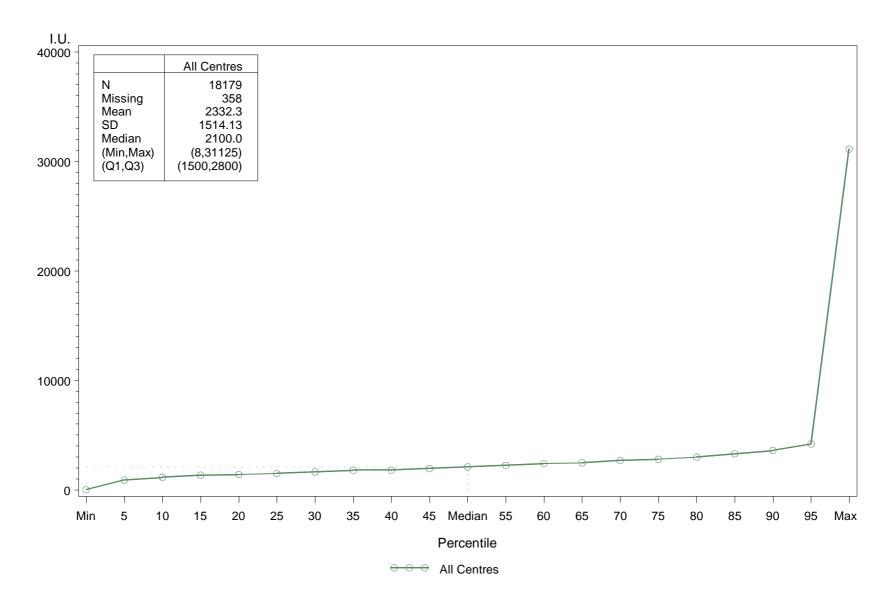
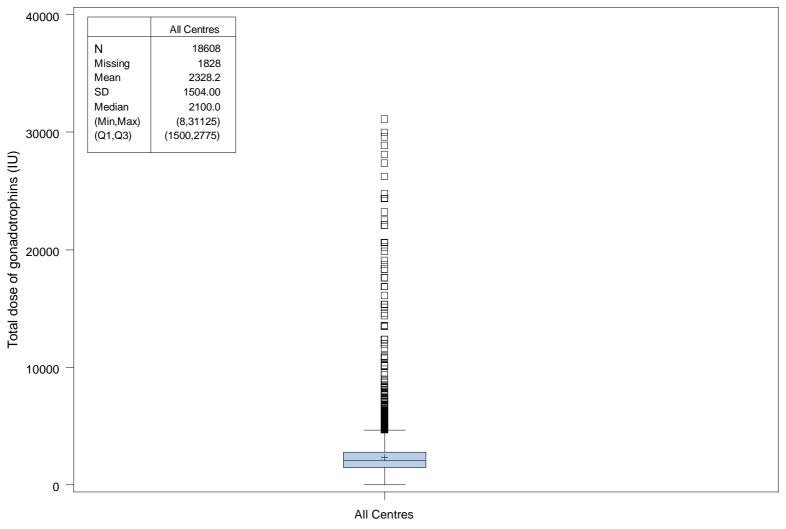


Figure 2.10 Own fresh cycles: Total dose of Gonadotrophins (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR). Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Table 2.11 Own fresh cycles: Methods of fertilization

	Statistic	All Centres (N=17802, Missing=355)
Method of fertilization		
IVF	n/N (%)	4377/17802 ( 24.59%)
ICSI	n/N (%)	12313/17802 ( 69.17%)
Mixed (IVF + ICSI)	n/N (%)	1112/17802 ( 6.25%)

Cycles with at least 1 oocyte retrieved are included.
 Sperm of partner or donor are both included.

Table 2.12 Own fresh cycles: ICSI method sperm from partner

	AII C	entres	(N=11438, Missing=118)						
Sperm	Fre	sh	Tha	wed	Total				
	N	l %		%	N	%			
Ejaculated	9936	93.78	659	6.22	10595	92.63			
Surgical retrieved	263	31.20	580	68.80	843	7.37			
Total	10199	89.17	1239	10.83	11438	100.00			

Percentages are row percentages, except in the column 'Total'.

Table 2.13 Own fresh cycles: Transfers by age and rank categories

Age (yrs)			<36					[36-40[					[40-43[	1		>=43	Total
Rank	1	2	3-6	>=7	Total	1	2	3-6	>=7	Total	1	2	3-6	>=7	Total	Total	Total
All Centres (N=16	007, Mis	sing=2	2549)														
Aspirations	4108	2592	3107	239	10046	1200	825	1429	169	3623	669	486	882	107	2144	194	16007
Transfers	3729	2399	2888	195	9211	1075	754	1294	143	3266	556	436	772	85	1849	172	14498
Embryos transferred																	
1	3615	1397	712	92	5816	441	267	333	34	1075	158	114	173	32	477	58	7426
2	110	996	2153	97	3356	597	442	625	80	1744	243	177	264	18	702	52	5854
3	4	5	21	6	36	32	44	332	28	436	121	119	260	26	526	42	1040
>3	0	0	1	0	1	5	1	2	1	9	34	25	72	9	140	20	170
Unknown	0	1	1	0	2	0	0	2	0	2	0	1	3	0	4	0	8

Table 2.14 Own fresh cycles: Transfers by social security

	All Centres (N=20436, Missing=0)				
	With social security	Without social security	Total		
Initiated cycles	16908	3528	20436		
Aspirations	15439	3117	18556		
Transfers	13457	2632	16089		
Embryos transferred					
1	7103	763	7866		
2	5380	1169	6549		
3	850	525	1375		
>3	116	175	291		
Unknown	8	0	8		

Figure 2.15 Own fresh cycles: Embryos transferred women < 36 years old

#### All Centres (N=9209, Missing=715)

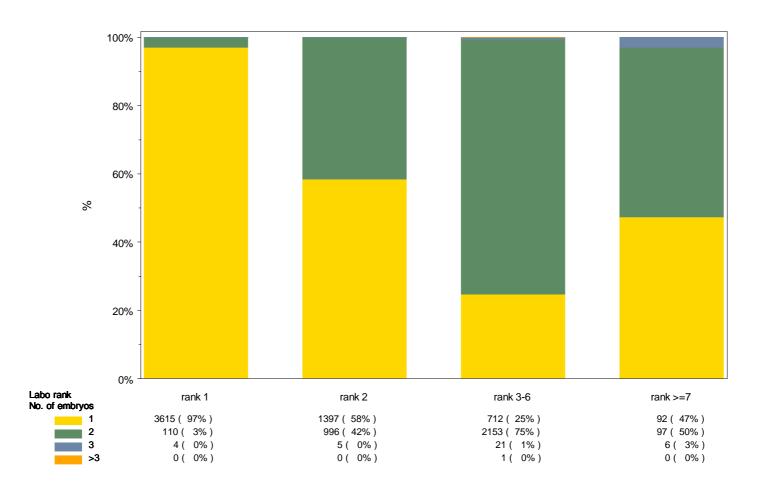


Figure 2.16 Own fresh cycles: Embryos transferred women 36-40 years old

#### All Centres (N=3264, Missing=487)

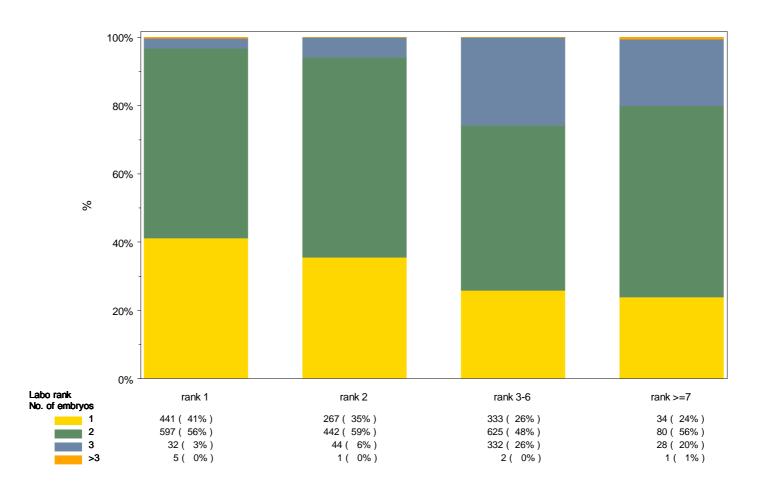


Figure 2.17 Own fresh cycles: Embryos transferred women 40-43 years old

#### All Centres (N=1845, Missing=280)

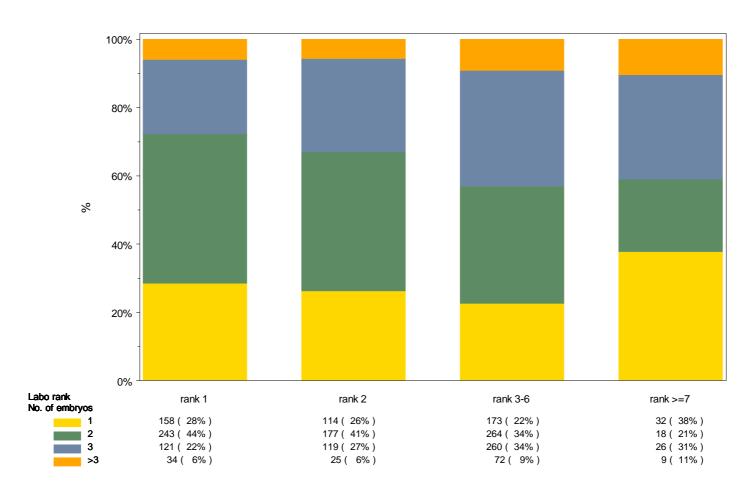


Table 2.18 Own fresh cycles: Laboratory data

		All Centres (N=20436, Missing=0)					
	Oocytes retrieved	Oocytes inseminated (IVF, ICSI or mixed)	2 PN oocytes	Transferred embryos	Cryopreserved embryos		
n	165728	142164	92653	26399	25524		
%	100.0%	85.8%	55.9%	15.9%	15.4%		
per initiated cycle	8.1	7.0	4.5	1.3	1.2		

Figure 2.19 Own fresh cycles: Summary pick-up cycles

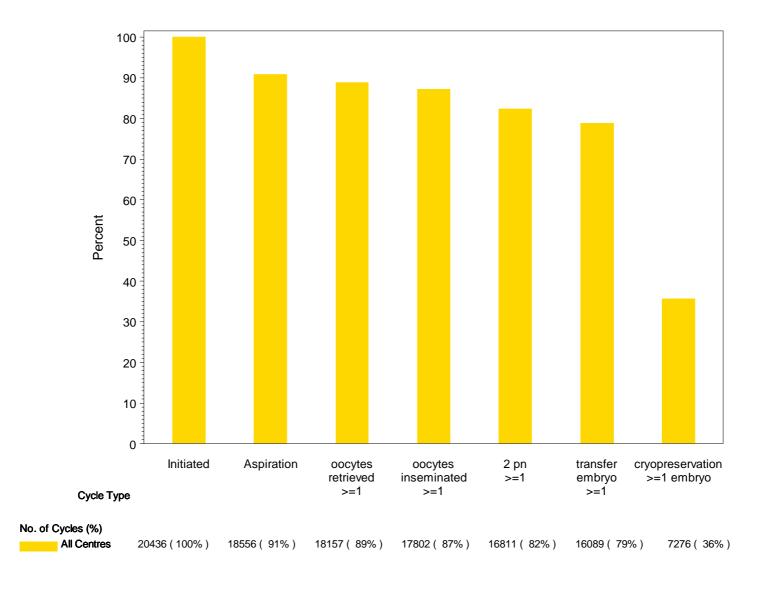
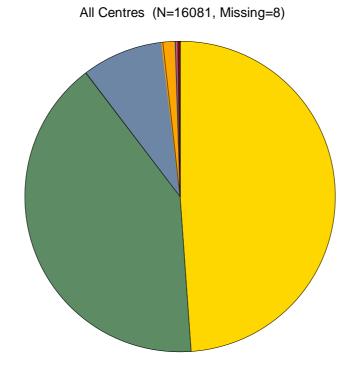
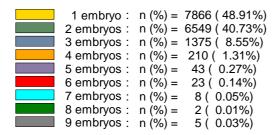


Figure 2.20 Own fresh cycles: Distribution of embryo transfers



#### Number of embryos transferred



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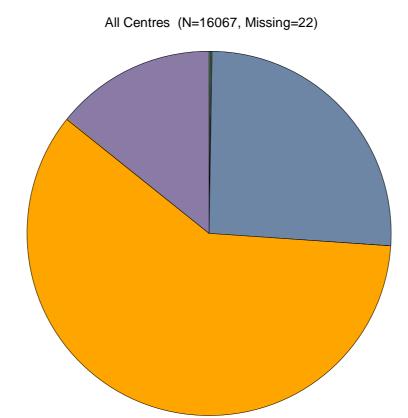
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Table 2.21 Own fresh cycles: Cause of no transfer

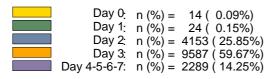
2419
2419
521/2369 ( 21.99%)
219/2368 ( 9.25%)
1426/2374 ( 60.07%)
228/2371 ( 9.62%)
484/2369 ( 20.43%)
162/2419 ( 6.70%)

Some patients can have more than one cause identified per cycle.

Figure 2.22 Own fresh cycles: Day of embryos transfer



#### Day of Embryo Transfer



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Table 2.23 Own fresh cycles: Cycles with cryopreservation

	All Centres (N=17780, Missing=377)
Number of cycles with cryopreservation	7276/17780 ( 41% )
Number of embryos cryopreserved	25524
Number of embryos per cryopreservation procedure	
Median	3.0
(Q1,Q3)	(2.0; 5.0)
Stage of the cryopreserved embryos	
2 PN	771/25524 ( 3%)
Cleaved	21083/25524 ( 83%)
Blastocyts	3670/25524 ( 14% )
Percent freezing of non transferred embryos	25524/139329 ( 18% )

Based on all cycles with at least one oocyte retrieved. Q1,Q3 = 1st and 3rd quartile.

Table 2.24 Own fresh cycles: Number of HCG+ pregnancies according to age and rank

Rank	1	2	3-6	>=7	Total
< 36 (yrs)					
All Centres (N=10046,	Missing=1141)				
Aspirations	4108	2592	3107	239	10046
Transfers	3729	2399	2888	195	9211
HCG + per aspiration cycle	1431/4097 (34.9%) (34.8% - 35.1%)	919/2586 (35.5%) (35.5% - 35.7%)	1090/3104 (35.1%) (35.1% - 35.2%)	68/239 (28.5%) (28.5% - 28.5%)	3508/10026 (35.0%) (34.9% - 35.1%)
HCG + per embryo transfer	1431/3718 (38.5%) (38.4% - 38.7%)	919/2393 (38.4%) (38.3% - 38.6%)	1090/2885 (37.8%) (37.7% - 37.8%)	68/195 (34.9%) (34.9% - 34.9%)	3508/9191 (38.2%) (38.1% - 38.3%)

Table 2.24 Own fresh cycles: Number of HCG+ pregnancies according to age and rank

Rank	1	2	3-6	>=7	Total
[36-40[ (yrs)					
All Centres (N=3623, M	lissing=771)				
Aspirations	1200	825	1429	169	3623
Transfers	1075	754	1294	143	3266
HCG + per aspiration cycle	359/1191 (30.1%) (29.9% - 30.7%)	230/822 (28.0%) (27.9% - 28.2%)	403/1422 (28.3%) (28.2% - 28.7%)	47/168 (28.0%) (27.8% - 28.4%)	1039/3603 (28.8%) (28.7% - 29.2%)
HCG + per embryo transfer	359/1066 (33.7%) (33.4% - 34.2%)	230/751 (30.6%) (30.5% - 30.9%)	403/1287 (31.3%) (31.1% - 31.7%)	47/142 (33.1%) (32.9% - 33.6%)	1039/3246 (32.0%) (31.8% - 32.4%)

Table 2.24 Own fresh cycles: Number of HCG+ pregnancies according to age and rank

Rank	1	2	3-6	>=7	Total
[40-43[ (yrs)					
All Centres (N=2144, M	issing=480)				
Aspirations	669	486	882	107	2144
Transfers	556	436	772	85	1849
HCG + per aspiration cycle	132/669 (19.7%) (19.7% - 19.7%)	96/485 (19.8%) (19.8% - 20.0%)	160/876 (18.3%) (18.1% - 18.8%)	24/107 (22.4%) (22.4% - 22.4%)	412/2137 (19.3%) (19.2% - 19.5%)
HCG + per embryo transfer	132/556 (23.7%) (23.7% - 23.7%)	96/435 (22.1%) (22.0% - 22.2%)	160/766 (20.9%) (20.7% - 21.5%)	24/85 (28.2%) (28.2% - 28.2%)	412/1842 (22.4%) (22.3% - 22.7%)

Table 2.24 Own fresh cycles: Number of HCG+ pregnancies according to age and rank

Rank	1	2	3-6	>=7	Total
>=43 (yrs)					
All Centres (N=194, Miss	sing=157)				
Aspirations	62	33	59	40	194
Transfers	55	29	53	35	172
HCG + per aspiration cycle	5/59 (8.5%) (8.1% - 12.9%)	4/33 (12.1%) (12.1% - 12.1%)	8/59 (13.6%) (13.6% - 13.6%)	4/40 (10.0%) (10.0% - 10.0%)	21/191 (11.0%) (10.8% - 12.4%)
HCG + per embryo transfer	5/52 (9.6%) (9.1% - 14.5%)	4/29 (13.8%) (13.8% - 13.8%)	8/53 (15.1%) (15.1% - 15.1%)	4/35 (11.4%) (11.4% - 11.4%)	21/169 (12.4%) (12.2% - 14.0%)

Table 2.25 Own fresh cycles: Number of clinical pregnancies according to age and rank

Rank	1	2	3-6	>=7	Total
< 36 (yrs)					
All Centres (N=10046,	Missing=1141)				
Aspirations	4108	2592	3107	239	10046
Transfers	3729	2399	2888	195	9211
Clinical Pregnancy per aspiration cycle	1224/4108 (29.8%) (29.8% - 29.8%)	795/2592 (30.7%) (30.7% - 30.7%)	938/3107 (30.2%) (30.2% - 30.2%)	56/239 (23.4%) (23.4% - 23.4%)	3013/10046 (30.0%) (30.0% - 30.0%)
Clinical Pregnancy per embryo transfer	1224/3729 (32.8%) (32.8% - 32.8%)	795/2399 (33.1%) (33.1% - 33.1%)	938/2888 (32.5%) (32.5% - 32.5%)	56/195 (28.7%) (28.7% - 28.7%)	3013/9211 (32.7%) (32.7% - 32.7%)

Table 2.25 Own fresh cycles: Number of clinical pregnancies according to age and rank

Rank	1	2	3-6	>=7	Total
[36-40[ (yrs)					
All Centres (N=3623, M	lissing=771)				
Aspirations	1200	825	1429	169	3623
Transfers	1075	754	1294	143	3266
Clinical Pregnancy per aspiration cycle	308/1200 (25.7%) (25.7% - 25.7%)	193/825 (23.4%) (23.4% - 23.4%)	342/1429 (23.9%) (23.9% - 23.9%)	39/169 (23.1%) (23.1% - 23.1%)	882/3623 (24.3%) (24.3% - 24.3%)
Clinical Pregnancy per embryo transfer	308/1075 (28.7%) (28.7% - 28.7%)	193/754 (25.6%) (25.6% - 25.6%)	342/1294 (26.4%) (26.4% - 26.4%)	39/143 (27.3%) (27.3% - 27.3%)	882/3266 (27.0%) (27.0% - 27.0%)

Table 2.25 Own fresh cycles: Number of clinical pregnancies according to age and rank

Rank	1	2	3-6	>=7	Total
[40-43[ (yrs)					
All Centres (N=2144, Mi	issing=480)				
Aspirations	669	486	882	107	2144
Transfers	556	436	772	85	1849
Clinical Pregnancy per aspiration cycle	108/669 (16.1%) (16.1% - 16.1%)	84/486 (17.3%) (17.3% - 17.3%)	126/882 (14.3%) (14.3% - 14.3%)	19/107 (17.8%) (17.8% - 17.8%)	337/2144 (15.7%) (15.7% - 15.7%)
Clinical Pregnancy per embryo transfer	108/556 (19.4%) (19.4% - 19.4%)	84/436 (19.3%) (19.3% - 19.3%)	126/772 (16.3%) (16.3% - 16.3%)	19/85 (22.4%) (22.4% - 22.4%)	337/1849 (18.2%) (18.2% - 18.2%)

Table 2.25 Own fresh cycles: Number of clinical pregnancies according to age and rank

Rank	1	2	3-6	>=7	Total
>=43 (yrs)					
All Centres (N=194, Miss	sing=157)				
Aspirations	62	33	59	40	194
Transfers	55	29	53	35	172
Clinical Pregnancy per aspiration cycle	2/62 (3.2%) (3.2% - 3.2%)	3/33 (9.1%) (9.1% - 9.1%)	5/59 (8.5%) (8.5% - 8.5%)	2/40 (5.0%) (5.0% - 5.0%)	12/194 (6.2%) (6.2% - 6.2%)
Clinical Pregnancy per embryo transfer	2/55 (3.6%) (3.6% - 3.6%)	3/29 (10.3%) (10.3% - 10.3%)	5/53 (9.4%) (9.4% - 9.4%)	2/35 (5.7%) (5.7% - 5.7%)	12/172 (7.0%) (7.0% - 7.0%)

Table 2.26 Own fresh cycles: Number of clinical pregnancies including FHB according to age and rank

Rank	1	2	3-6	>=7	Total
< 36 (yrs)					
All Centres (N=10046, Mi	ssing=1141)				
Aspirations	4108	2592	3107	239	10046
Transfers	3729	2399	2888	195	9211
FHB: 1/2/3/4	1107/24/2	630/99/5	655/200/5	45/9/0	2437/332/12
Clinical Pregnancy + FHB per aspiration cycle	1133/4108 (27.6%) (27.6% - 27.6%)	734/2592 (28.3%) (28.3% - 28.3%)	860/3107 (27.7%) (27.7% - 27.7%)	54/239 (22.6%) (22.6% - 22.6%)	2781/10046 (27.7%) (27.7% - 27.7%)
Clinical Pregnancy + FHB per embryo transfer	1133/3729 (30.4%) (30.4% - 30.4%)	734/2399 (30.6%) (30.6% - 30.6%)	860/2888 (29.8%) (29.8% - 29.8%)	54/195 (27.7%) (27.7% - 27.7%)	2781/9211 (30.2%) (30.2% - 30.2%)

Table 2.26 Own fresh cycles: Number of clinical pregnancies including FHB according to age and rank

Rank	1	2	3-6	>=7	Total
[36-40[ (yrs)					
All Centres (N=3623, Miss	sing=771)				
Aspirations	1200	825	1429	169	3623
Transfers	1075	754	1294	143	3266
FHB: 1/2/3/4	249/29/0	149/24/0	248/49/2	30/4/2	676/106/4
Clinical Pregnancy + FHB per aspiration cycle	278/1200 (23.2%) (23.2% - 23.2%)	173/825 (21.0%) (21.0% - 21.0%)	299/1429 (20.9%) (20.9% - 20.9%)	36/169 (21.3%) (21.3% - 21.3%)	786/3623 (21.7%) (21.7% - 21.7%)
Clinical Pregnancy + FHB per embryo transfer	278/1075 (25.9%) (25.9% - 25.9%)	173/754 (22.9%) (22.9% - 22.9%)	299/1294 (23.1%) (23.1% - 23.1%)	36/143 (25.2%) (25.2% - 25.2%)	786/3266 (24.1%) (24.1% - 24.1%)

Table 2.26 Own fresh cycles: Number of clinical pregnancies including FHB according to age and rank

Rank	1	2	3-6	>=7	Total
[40-43[ (yrs)					
All Centres (N=2144, Miss	ing=480)				
Aspirations	669	486	882	107	2144
Transfers	556	436	772	85	1849
FHB: 1/2/3/4	82/9/2	57/10/2	89/14/1	12/7/0	240/40/5
Clinical Pregnancy + FHB per aspiration cycle	93/669 (13.9%) (13.9% - 13.9%)	69/486 (14.2%) (14.2% - 14.2%)	104/882 (11.8%) (11.8% - 11.8%)	19/107 (17.8%) (17.8% - 17.8%)	285/2144 (13.3%) (13.3% - 13.3%)
Clinical Pregnancy + FHB per embryo transfer	93/556 (16.7%) (16.7% - 16.7%)	69/436 (15.8%) (15.8% - 15.8%)	104/772 (13.5%) (13.5% - 13.5%)	19/85 (22.4%) (22.4% - 22.4%)	285/1849 (15.4%) (15.4% - 15.4%)

Table 2.26 Own fresh cycles: Number of clinical pregnancies including FHB according to age and rank

Rank	1	2	3-6	>=7	Total
>=43 (yrs)					
All Centres (N=194, Missing	g=157)				
Aspirations	62	33	59	40	194
Transfers	55	29	53	35	172
FHB: 1/2/3/4	2/0/0	3/0/0	4/0/0	2/0/0	11/0/0
Clinical Pregnancy + FHB per aspiration cycle	2/62 (3.2%) (3.2% - 3.2%)	3/33 (9.1%) (9.1% - 9.1%)	4/59 (6.8%) (6.8% - 6.8%)	2/40 (5.0%) (5.0% - 5.0%)	11/194 (5.7%) (5.7% - 5.7%)
Clinical Pregnancy + FHB per embryo transfer	2/55 (3.6%) (3.6% - 3.6%)	3/29 (10.3%) (10.3% - 10.3%)	4/53 (7.5%) (7.5% - 7.5%)	2/35 (5.7%) (5.7% - 5.7%)	11/172 (6.4%) (6.4% - 6.4%)

Table 2.27 Own fresh cycles: Number of deliveries according to age and rank

Rank	1	2	3-6	>=7	Total
< 36 (yrs)					
All Centres (N=10046, Miss	sing=1141)				
Aspirations	4108	2592	3107	239	10046
Transfers	3729	2399	2888	195	9211
Number per delivery: 1/2/3	908/19/1	522/74/2	556/149/2	39/9/0	2025/251/5
Delivery rate per aspiration cycle	929/4007 (23.2%) (22.6% - 25.1%)	599/2523 (23.7%) (23.1% - 25.8%)	710/3042 (23.3%) (22.9% - 24.9%)	48/237 (20.3%) (20.1% - 20.9%)	2286/9809 (23.3%) (22.8% - 25.1%)
Delivery rate per embryo transfer	929/3628 (25.6%) (24.9% - 27.6%)	599/2330 (25.7%) (25.0% - 27.8%)	710/2823 (25.2%) (24.6% - 26.8%)	48/193 (24.9%) (24.6% - 25.6%)	2286/8974 (25.5%) (24.8% - 27.4%)

Table 2.27 Own fresh cycles: Number of deliveries according to age and rank

Rank	1	2	3-6	>=7	Total
[36-40[ (yrs)					
All Centres (N=3623, Missi	ing=771)				
Aspirations	1200	825	1429	169	3623
Transfers	1075	754	1294	143	3266
Number per delivery: 1/2/3	192/18/0	121/15/0	189/38/1	21/3/1	523/74/2
Delivery rate per aspiration cycle	212/1175 (18.0%) (17.7% - 19.8%)	136/813 (16.7%) (16.5% - 17.9%)	229/1398 (16.4%) (16.0% - 18.2%)	25/165 (15.2%) (14.8% - 17.2%)	602/3551 (17.0%) (16.6% - 18.6%)
Delivery rate per embryo transfer	212/1050 (20.2%) (19.7% - 22.0%)	136/742 (18.3%) (18.0% - 19.6%)	229/1263 (18.1%) (17.7% - 20.1%)	25/139 (18.0%) (17.5% - 20.3%)	602/3194 (18.8%) (18.4% - 20.6%)

NA=no cycles with data available.

Table 2.27 Own fresh cycles: Number of deliveries according to age and rank

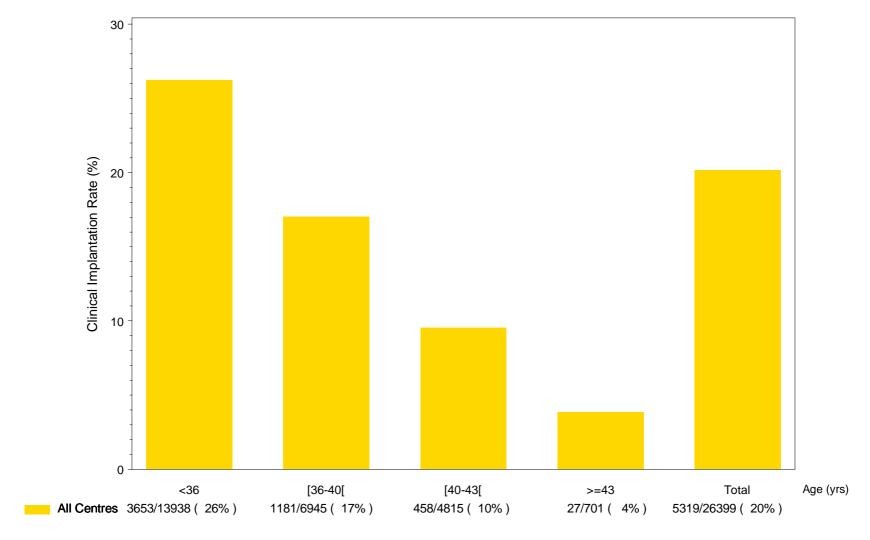
Rank	1	2	3-6	>=7	Total
[40-43[ (yrs)					
All Centres (N=2144, Missin	g=480)				
Aspirations	669	486	882	107	2144
Transfers	556	436	772	85	1849
Number per delivery: 1/2/3	51/3/0	40/7/0	57/9/0	7/5/0	155/24/0
Delivery rate per aspiration cycle	54/665 (8.1%) (8.1% - 8.7%)	47/480 (9.8%) (9.7% - 10.9%)	67/873 (7.7%) (7.6% - 8.6%)	12/105 (11.4%) (11.2% - 13.1%)	180/2123 (8.5%) (8.4% - 9.4%)
Delivery rate per embryo transfer	54/552 (9.8%) (9.7% - 10.4%)	47/430 (10.9%) (10.8% - 12.2%)	67/763 (8.8%) (8.7% - 9.8%)	12/83 (14.5%) (14.1% - 16.5%)	180/1828 (9.8%) (9.7% - 10.9%)

NA=no cycles with data available.

Table 2.27 Own fresh cycles: Number of deliveries according to age and rank

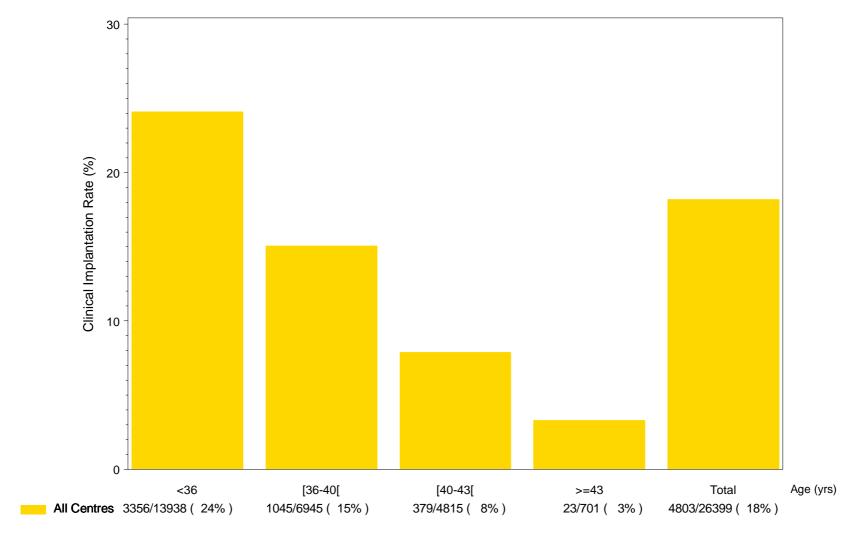
Rank	1	2	3-6	>=7	Total
>=43 (yrs)					
All Centres (N=194, Missing:	=157)				
Aspirations	62	33	59	40	194
Transfers	55	29	53	35	172
Number per delivery: 1/2/3	1/0/0	0/0/0	1/0/0	1/0/0	3/0/0
Delivery rate per aspiration cycle	1/61 (1.6%) (1.6% - 3.2%)	0/33 (0.0% - 0.0%)	1/58 (1.7%) (1.7% - 3.4%)	1/40 (2.5%) (2.5% - 2.5%)	3/192 (1.6%) (1.5% - 2.6%)
Delivery rate per embryo transfer	1/54 (1.9%) (1.8% - 3.6%)	0/29 (0.0% - 0.0%)	1/52 (1.9%) (1.9% - 3.8%)	1/35 (2.9%) (2.9% - 2.9%)	3/170 (1.8%) (1.7% - 2.9%)

Figure 2.28 Own fresh cycles: Implantation rate (No. of uterine sacs) per transferred embryo according to age



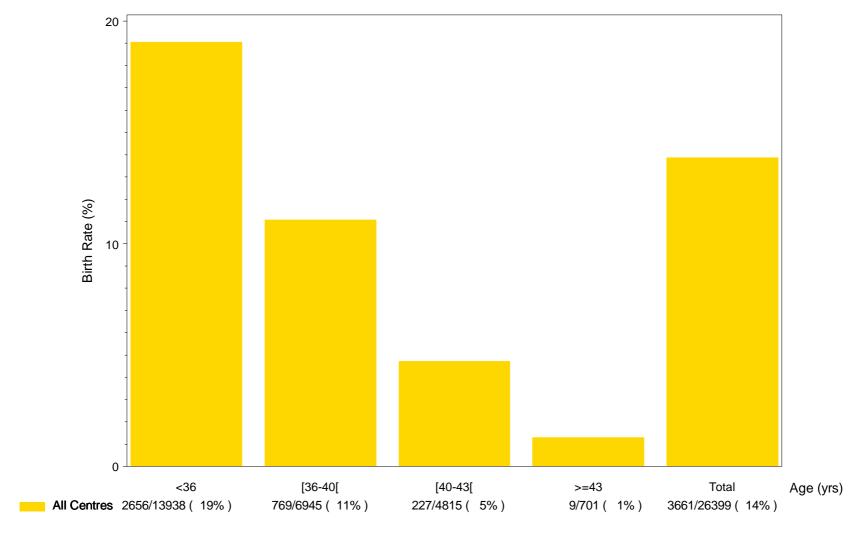
n/N (%) where n = Total number of uterine sacs; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 2.29 Own fresh cycles: Clinical implantation rate (No. of FHB) per transferred embryo according to age



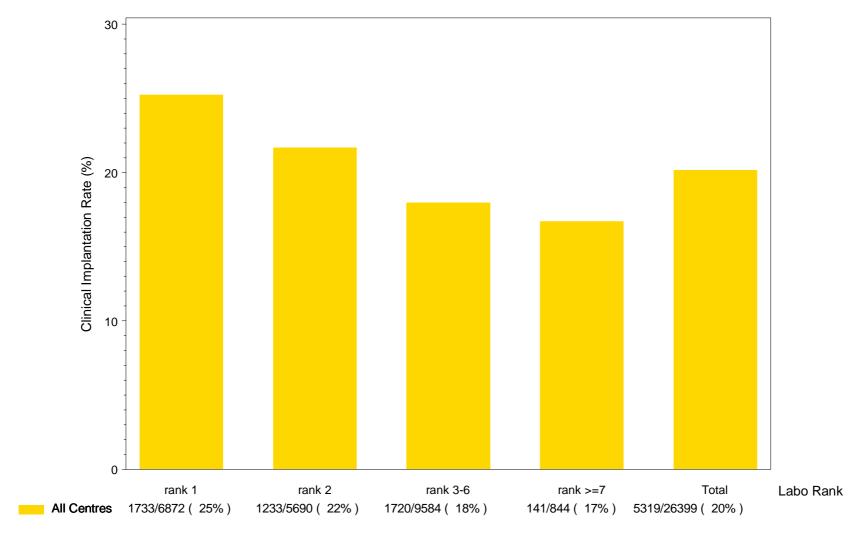
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 2.30 Own fresh cycles: Birth rate per transferred embryo according to age



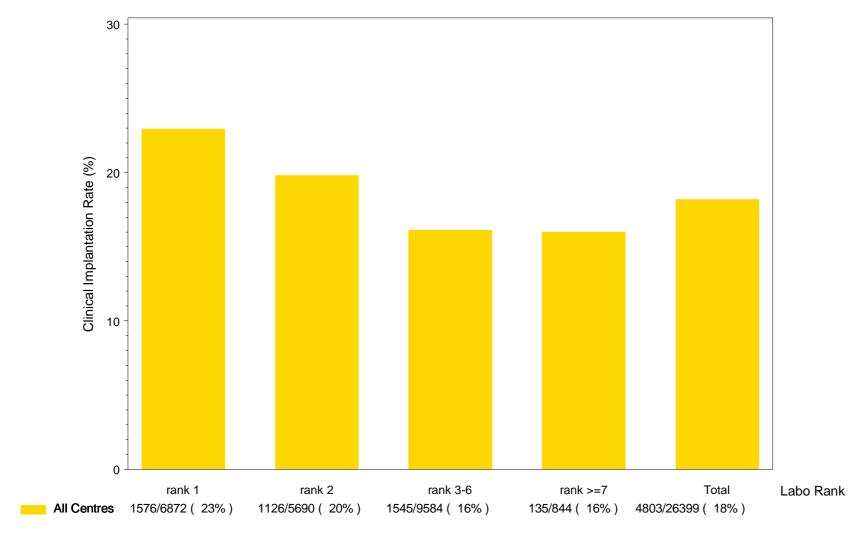
n/N (%) where n = Total number of babies; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 2.31 Own fresh cycles: Implantation rate (No. of uterine sacs) per transferred embryo according to rank



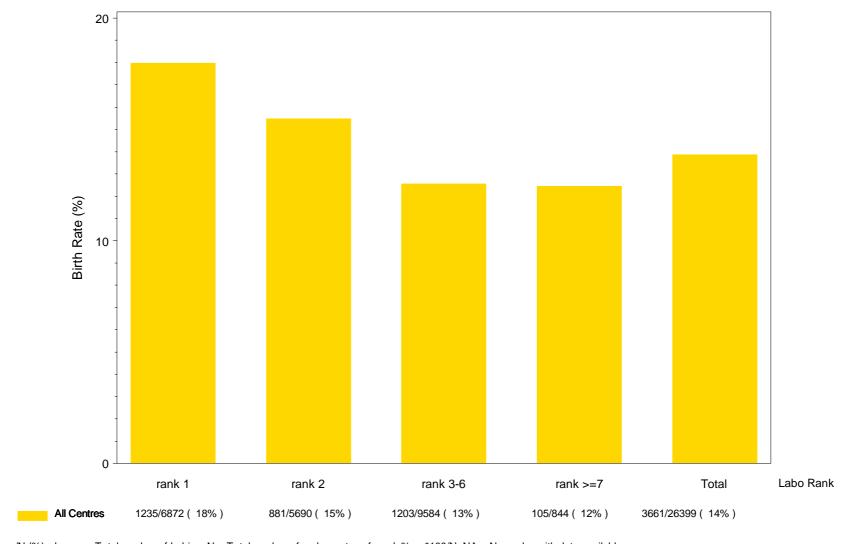
n/N (%) where n = Total number of uterine sacs; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 2.32 Own fresh cycles: Clinical implantation rate (No. of FHB) per transferred embryo according to rank



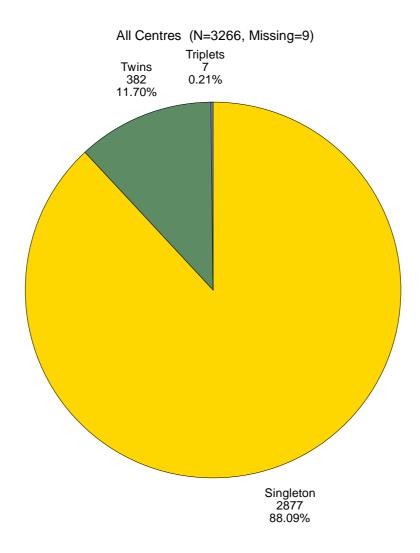
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 2.33 Own fresh cycles: Birth rate per transferred embryo according to rank



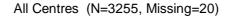
n/N (%) where n = Total number of babies; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

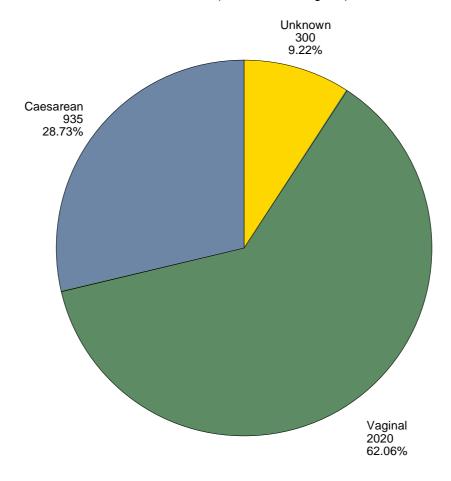
Figure 2.34 Own fresh cycles: Number of deliveries



Deliveries of twins or triplets are only counted once.

Figure 2.35 Own fresh cycles: Type of deliveries





Deliveries of twins or triplets are only counted once.

Table 2.36 Own fresh cycles: Sex of babies

	All Centres (N=3645, Missing=26)
Sex of baby	
Male	1755/3645 ( 48.15%)
Female	1718/3645 ( 47.13%)
Unknown	172/3645 ( 4.72%)

Table 2.37 Own fresh cycles: Birth weight

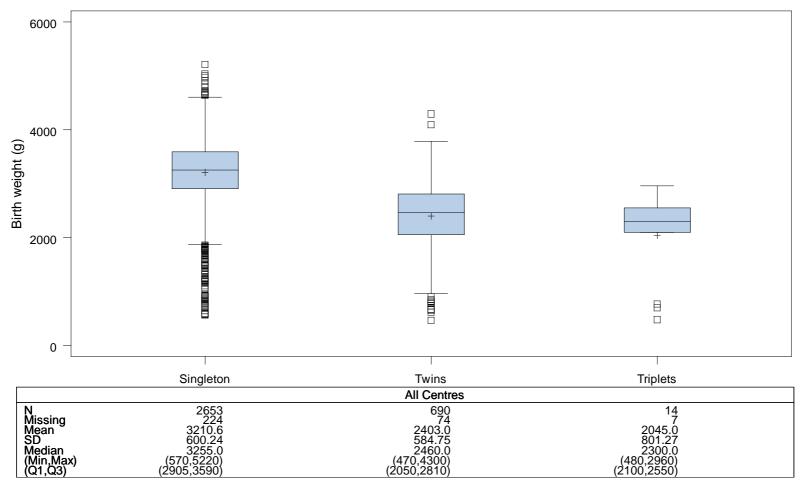
	Statistic	All Centres (N=3357, Missing=314)
Birth weight (g)		
Singletons	N	2653
	Mean	3210.6
	Std	600.24
	Median	3255.0
	IQR	(2905.0; 3590.0)
Twins	N	690
	Mean	2403.0
	Std	584.75
	Median	2460.0
	IQR	(2050.0; 2810.0)
Triplets	N	14
	Mean	2045.0
	Std	801.27
	Median	2300.0
	IQR	(2100.0; 2550.0)

Table 2.38 Own fresh cycles: Gestational age at delivery

	Statistic	All Centres (N=3218, Missing=57)
Gestational age at delivery (weeks)		
Singletons	N	2831
	Mean	39.0
	Std	2.30
	Median	39.4
	IQR	(38.3; 40.3)
Twins	N	380
	Mean	36.1
	Std	2.80
	Median	37.0
	IQR	(34.7; 38.0)
Triplets	N	7
	Mean	35.5
	Std	4.74
	Median	36.1
	IQR	(34.0; 39.0)

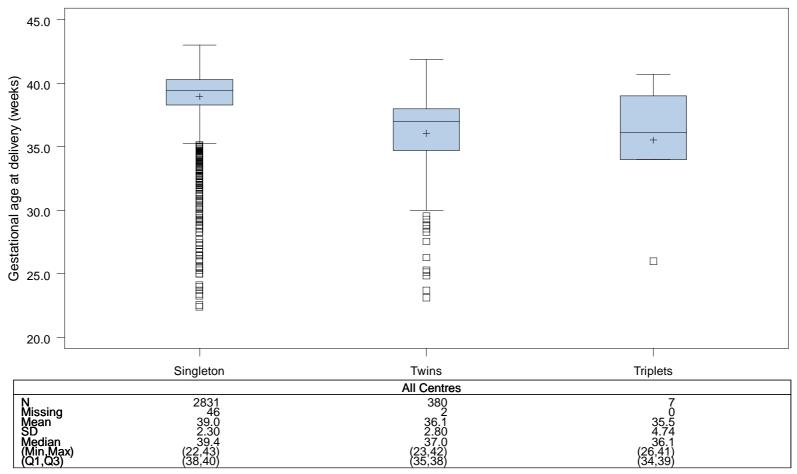
Twin or triplet birth is counted as one birth event.

Figure 2.39 Own fresh cycles: Birth weight (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR). Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Figure 2.40 Own fresh cycles: Gestational age at delivery (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR). Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Twin or triplet birth is counted as one birth event.

Table 2.41 Own fresh cycles: Prevalence of preterm birth according to type of delivery

	Type of delivery							
Gestational age at delivery (weeks)	Single birth event		Twin birth event		Triplet birth event		Total birth events	
All Centres (N=3218, Missing	=57)							
< 32	58	(2.0%)	32	(8.4%)	1	(14.3%)	91	(2.8%)
[32-37[	246	(8.7%)	156	(41.1%)	3	(42.9%)	405	(12.6%)
>=37	2527	(89.3%)	192	(50.5%)	3	(42.9%)	2722	(84.6%)
Total	2831	(100.0%)	380	(100.0%)	7	(100.0%)	3218	(100.0%)

Twin or triplet birth is counted as one birth event. NA: no data available

Table 2.42 Own fresh cycles: Prevalence of low birth weight according to type of delivery

	Type of delivery							
Birth weight (g)	Sing	gletons	T۱	wins	Tri	plets	Т	otal
All Centres (N=3357, Miss	ing=314)							
< 1500	49	(1.8%)	54	(7.8%)	3	(21.4%)	106	(3.2%)
[1500-2500[	203	(7.7%)	312	(45.2%)	7	(50.0%)	522	(15.5%)
>= 2500	2401	(90.5%)	324	(47.0%)	4	(28.6%)	2729	(81.3%)
Total	2653	(100.0%)	690	(100.0%)	14	(100.0%)	3357	(100.0%)

NA: no data available

Figure 2.43 Own fresh cycles: Evolution of number of embryos transferred

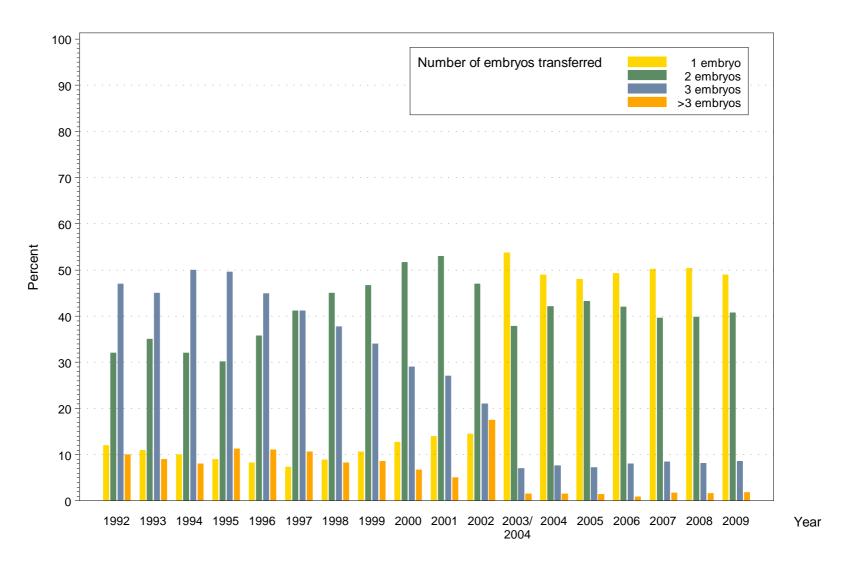
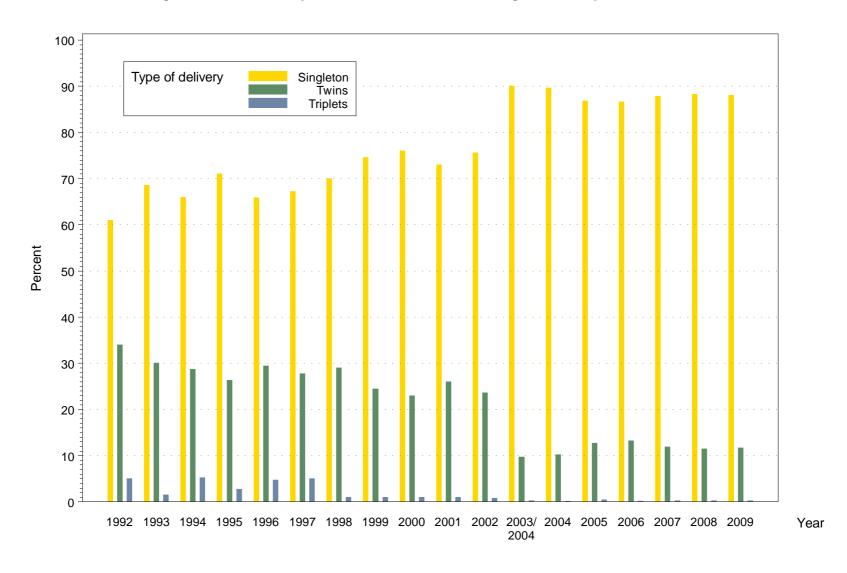


Figure 2.44 Own fresh cycles: Evolution of number of single and multiple deliveries



## Section 3: Own cryo cycles

Table 3.1 Own cryo cycles: Overview of cryo cycles

Cryocycle	All Centres	
Initiated	8878	(100.0%)
Cancelled	469	(5.3%)
Thawed	8409	(94.7%)
Embryo Transfer	6535	(73.6%)

Table 3.2 Own cryo cycles: Number of embryos transferred

	All Centres
Number of cycles with transfer	6535
Number of embryos transferred	
1	3365/6516 ( 51.64%)
2	3088/6516 ( 47.39%)
3	53/6516 ( 0.81%)
>3	10/6516 ( 0.15%)
Total number of embryos transferred	9741

Based on all cycles with at least one embryo transferred.

Table 3.3 Own cryo cycles: Pituitary inhibition

	Statistic	All Centres (N=8817, Missing=61)
Pituitary inhibition		
Yes	n/N (%)	368/8817 ( 4.17%)
No	n/N (%)	8449/8817 ( 95.83%)

Table 3.4 Own cryo cycles: Stimulation protocol

	Statistic	All Centres (N=8841, Missing=37)
Stimulation protocol		· · · · · · · · · · · · · · · · · · ·
Clomiphene	n/N (%)	887/8841 ( 10.03%)
Gonadotrophins	n/N (%)	197/8841 ( 2.23%)
Clomiphene + Gonadotrophins	n/N (%)	6/8841 ( 0.07%)
Aromatase Inhibitor + Gonadotrophins	n/N (%)	2/8841 ( 0.02%
Substitution	n/N (%)	2371/8841 ( 26.82%)
None	n/N (%)	5061/8841 ( 57.24%)
Other	n/N (%)	317/8841 ( 3.59%)

Table 3.5 Own cryo cycles: Number of HCG+ pregnancies according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=8878, N	/lissing=0)				
Initiated cycles	6618	1647	523	90	8878
Thawed cycles	6284	1562	481	82	8409
Transfers	4966	1146	365	58	6535
HCG + per initiated cycle	1365/6585 (20.7%) (20.6% - 21.1%)	260/1634 (15.9%) (15.8% - 16.6%)	82/518 (15.8%) (15.7% - 16.6%)	3/85 (3.5%) (3.3% - 8.9%)	1710/8822 (19.4%) (19.3% - 19.9%)
HCG + per thawing cycle	1365/6251 (21.8%) (21.7% - 22.2%)	260/1549 (16.8%) (16.6% - 17.5%)	82/476 (17.2%) (17.0% - 18.1%)	3/77 (3.9%) (3.7% - 9.8%)	1710/8353 (20.5%) (20.3% - 21.0%)
HCG + per embryo transfer	1365/4937 (27.6%) (27.5% - 28.1%)	260/1133 (22.9%) (22.7% - 23.8%)	82/360 (22.8%) (22.5% - 23.8%)	3/55 (5.5%) (5.2% - 10.3%)	1710/6485 (26.4%) (26.2% - 26.9%)

Table 3.6 Own cryo cycles: Number of clinical pregnancies according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=8878, N	lissing=0)				
Initiated cycles	6618	1647	523	90	8878
Thawed cycles	6284	1562	481	82	8409
Transfers	4966	1146	365	58	6535
Clinical Pregnancy per initiated cycle	1159/6618 (17.5%) (17.5% - 17.5%)	213/1647 (12.9%) (12.9% - 12.9%)	65/523 (12.4%) (12.4% - 12.4%)	3/90 (3.3%) (3.3% - 3.3%)	1440/8878 (16.2%) (16.2% - 16.2%)
Clinical Pregnancy per thawing cycle	1159/6284 (18.4%) (18.4% - 18.4%)	213/1562 (13.6%) (13.6% - 13.6%)	65/481 (13.5%) (13.5% - 13.5%)	3/82 (3.7%) (3.7% - 3.7%)	1440/8409 (17.1%) (17.1% - 17.1%)
Clinical Pregnancy per embryo transfer	1159/4966 (23.3%) (23.3% - 23.3%)	213/1146 (18.6%) (18.6% - 18.6%)	65/365 (17.8%) (17.8% - 17.8%)	3/58 (5.2%) (5.2% - 5.2%)	1440/6535 (22.0%) (22.0% - 22.0%)

NA=no cycles with data available.

In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing results as negative and positive, respectively.

Table 3.7 Own cryo cycles: Number of clinical pregnancies including FHB according to age

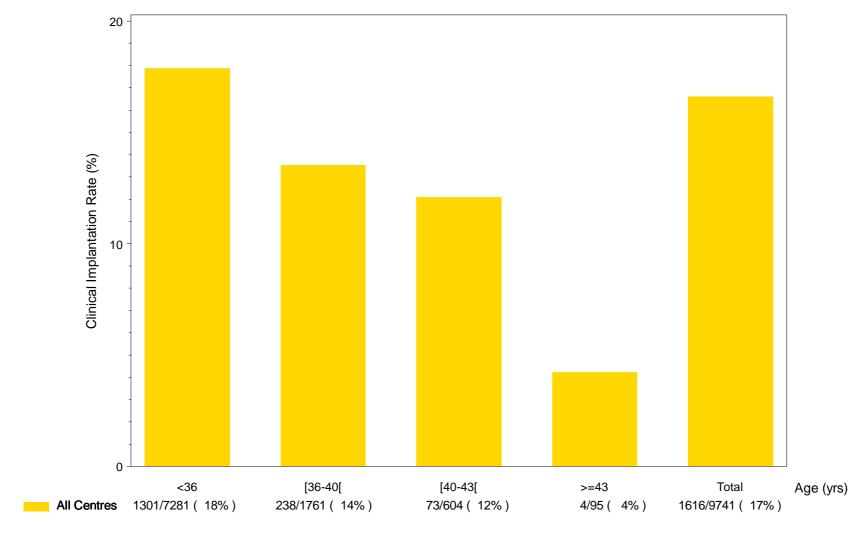
Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=8878, Mis	sing=0)				
Initiated cycles	6618	1647	523	90	8878
Thawed cycles	6284	1562	481	82	8409
Transfers	4966	1146	365	58	6535
FHB: 1/2/3/4	909/123/5	167/21/1	52/6/0	2/1/0	1130/151/6
Clinical Pregnancy + FHB per initiated cycle	1037/6618 (15.7%) (15.7% - 15.7%)	189/1647 (11.5%) (11.5% - 11.5%)	58/523 (11.1%) (11.1% - 11.1%)	3/90 (3.3%) (3.3% - 3.3%)	1287/8878 (14.5%) (14.5% - 14.5%)
Clinical Pregnancy + FHB per thawing cycle	1037/6284 (16.5%) (16.5% - 16.5%)	189/1562 (12.1%) (12.1% - 12.1%)	58/481 (12.1%) (12.1% - 12.1%)	3/82 (3.7%) (3.7% - 3.7%)	1287/8409 (15.3%) (15.3% - 15.3%)
Clinical Pregnancy + FHB per embryo transfer	1037/4966 (20.9%) (20.9% - 20.9%)	189/1146 (16.5%) (16.5% - 16.5%)	58/365 (15.9%) (15.9% - 15.9%)	3/58 (5.2%) (5.2% - 5.2%)	1287/6535 (19.7%) (19.7% - 19.7%)

Table 3.8 Own cryo cycles: Number of deliveries according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=8878, Miss	sing=0)				
Initiated cycles	6618	1647	523	90	8878
Thawed cycles	6284	1562	481	82	8409
Transfers	4966	1146	365	58	6535
Number per delivery: 1/2/3	733/96/1	134/12/1	37/3/0	0/1/0	904/112/2
Delivery rate per initiated cycle	830/6512 (12.7%) (12.5% - 14.1%)	149/1629 (9.1%) (9.0% - 10.1%)	40/513 (7.8%) (7.6% - 9.6%)	1/87 (1.1%) (1.1% - 4.4%)	1020/8741 (11.7%) (11.5% - 13.0%)
Delivery rate per thawing cycle	830/6178 (13.4%) (13.2% - 14.9%)	149/1544 (9.7%) (9.5% - 10.7%)	40/471 (8.5%) (8.3% - 10.4%)	1/79 (1.3%) (1.2% - 4.9%)	1020/8272 (12.3%) (12.1% - 13.8%)
Delivery rate per embryo transfer	830/4864 (17.1%) (16.7% - 18.8%)	149/1128 (13.2%) (13.0% - 14.6%)	40/355 (11.3%) (11.0% - 13.7%)	1/57 (1.8%) (1.7% - 3.4%)	1020/6404 (15.9%) (15.6% - 17.6%)

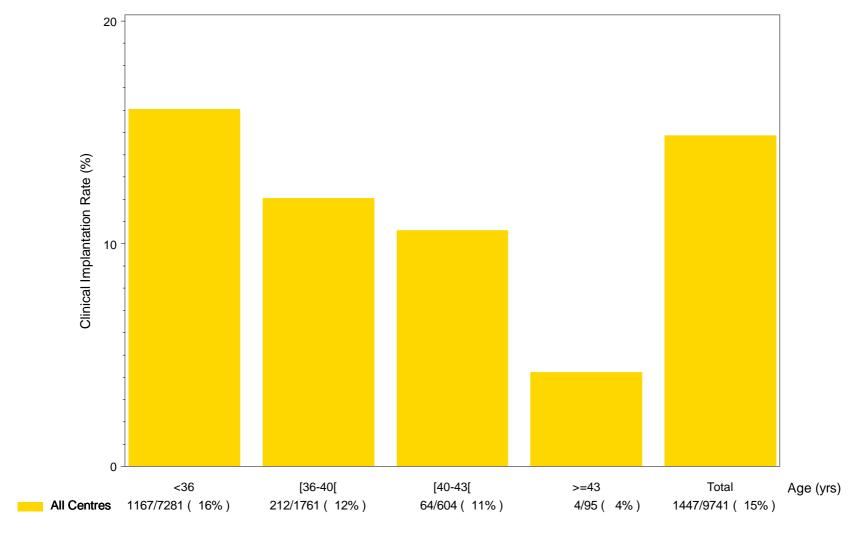
NA=no cycles with data available.

Figure 3.9 Own cryo cycles: Implantation rate (No. of uterine sacs) per transferred embryo according to age



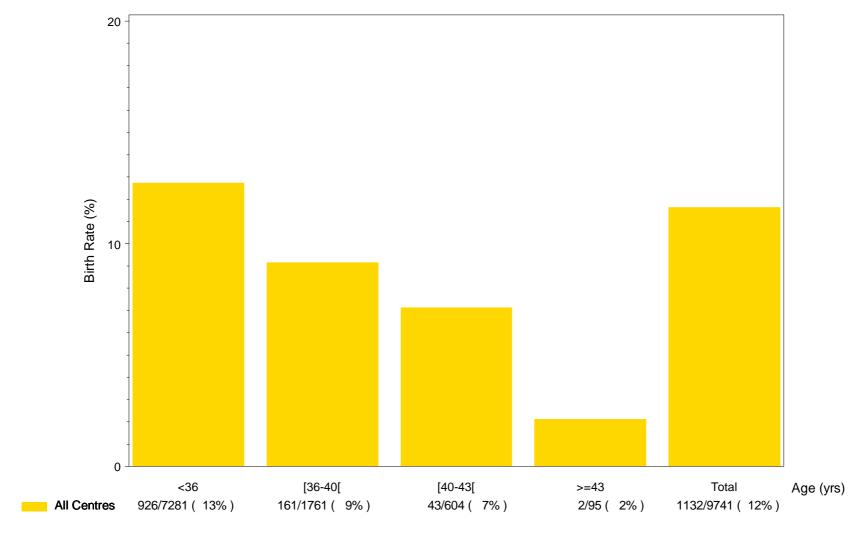
n/N (%) where n = Total number of uterine sacs; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 3.10 Own cryo cycles: Clinical implantation rate (No. of FHB) per transferred embryo according to age



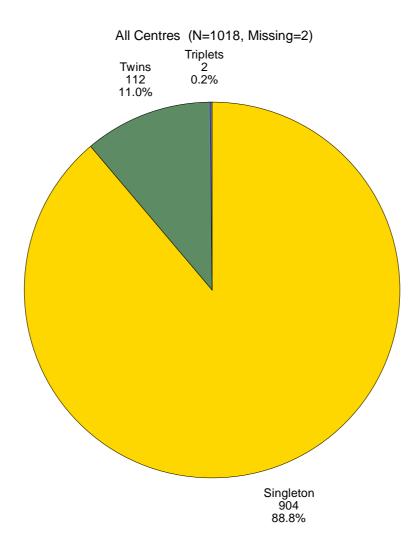
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 3.11 Own cryo cycles: Birth rate per transferred embryo according to age



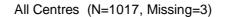
n/N (%) where n = Total number of babies; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

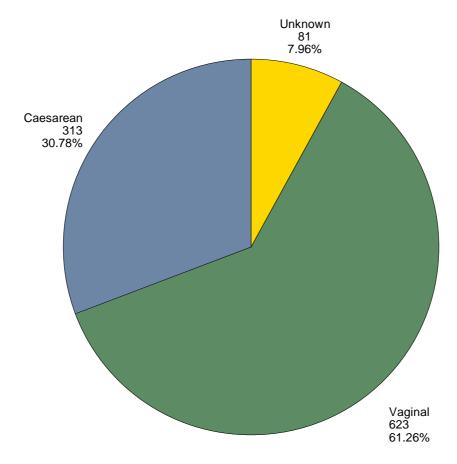
Figure 3.12 Own cryo cycles: Number of deliveries



Deliveries of twins or triplets are only counted once.

Figure 3.13 Own cryo cycles: Type of deliveries





Deliveries of twins or triplets are only counted once.

Table 3.14 Own cryo cycles: Sex of babies

	All Centres (N=1132, Missing=4)
Sex of baby	
Male	538/1132 ( 47.53%)
Female	548/1132 ( 48.41%)
Unknown	46/1132 ( 4.06%)

Table 3.15 Own cryo cycles: Birth weight

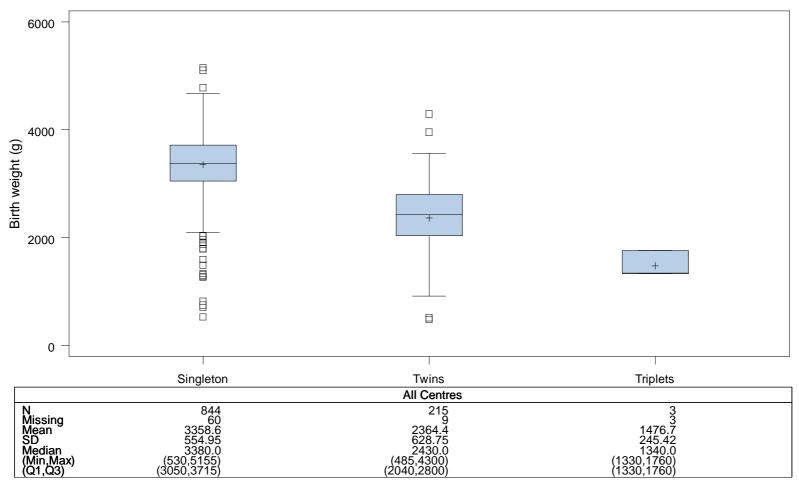
	Statistic	All Centres (N=1062, Missing=74)
Birth weight (g)		
Singletons	N	844
	Mean	3358.6
	Std	554.95
	Median	3380.0
	IQR	(3050.0; 3715.0)
Twins	N	215
	Mean	2364.4
	Std	628.75
	Median	2430.0
	IQR	(2040.0; 2800.0)
Triplets	N	3
	Mean	1476.7
	Std	245.42
	Median	1340.0
	IQR	(1330.0; 1760.0)

Table 3.16 Own cryo cycles: Gestational age at delivery

	Statistic	All Centres (N=1000, Missing=20)
Gestational age at delivery (weeks)		
Singletons	N	887
	Mean	39.2
	Std	1.97
	Median	39.6
	IQR	(38.4; 40.4)
Twins	N	112
	Mean	35.3
	Std	3.03
	Median	36.0
	IQR	(33.7; 37.6)
Triplets	N	1
	Mean	32.0
	Median	32.0
	IQR	(32.0; 32.0)

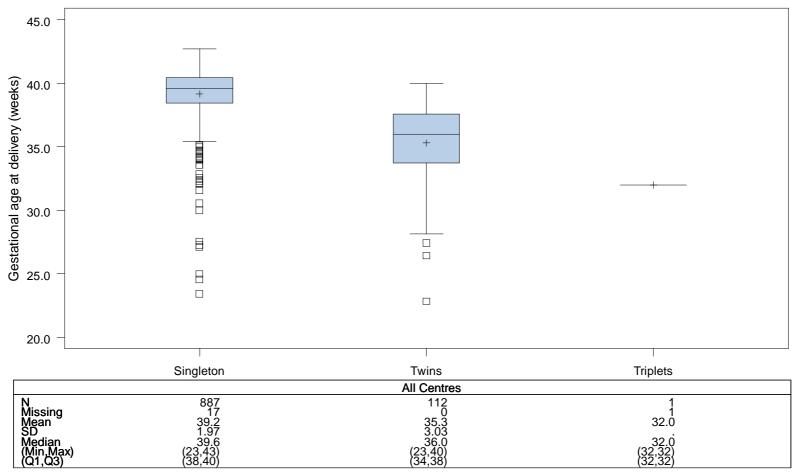
Twin or triplet birth is counted as one birth event.

Figure 3.17 Own cryo cycles: Birth weight (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR). Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Figure 3.18 Own cryo cycles: Gestational age at delivery (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR). Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Twin or triplet birth is counted as one birth event.

Table 3.19 Own cryo cycles: Prevalence of preterm birth according to type of delivery

				Type of o	lelivery	<i>(</i>		
Gestational age at delivery (weeks)		ingle n event	_	win n event		riplet n event	_	otal events
All Centres (N=1000, Missing=	=20)							
< 32	9	(1.0%)	17	(15.2%)	NA		26	(2.6%)
[32-37[	57	(6.4%)	53	(47.3%)	1	(100.0%)	111	(11.1%)
>=37	821	(92.6%)	42	(37.5%)	NA		863	(86.3%)
Total	887	(100.0%)	112	(100.0%)	1	(100.0%)	1000	(100.0%)

Twin or triplet birth is counted as one birth event. NA: no data available

Table 3.20 Own cryo cycles: Prevalence of low birth weight according to type of delivery

				Type of d	elivery	1		
Birth weight (g)	Sing	gletons	T	wins	Tri	plets	Т	otal
All Centres (N=1062, Missi	ng=74)							
< 1500	9	(1.1%)	22	(10.2%)	2	(66.7%)	33	(3.1%)
[1500-2500[	33	(3.9%)	94	(43.7%)	1	(33.3%)	128	(12.1%)
>= 2500	802	(95.0%)	99	(46.0%)	NA		901	(84.8%)
Total	844	(100.0%)	215	(100.0%)	3	(100.0%)	1062	(100.0%)

NA: no available data

# Section 4: Fresh recipient cycles

Table 4.1 Fresh recipient cycles: Overview of cycles

Cycle	All	Centres
Initiated	930	(100.0%)
Cancelled	101	(10.9%)
At least one oocyte received	829	(89.1%)
Embryo Transfer	737	(79.2%)

Figure 4.2 Fresh recipient cycles: Female age and laborank

#### Cycles 300 240 180 120 60 0 <36 [36-40[ [40-43[ Age (yrs) >=43 No. of Cycles 103 41 40 21 rank 2 52 19 16 13 rank 3-6 83 60 21 64 rank >=7 11 9 11 22

## All Centres (N=586, Missing=344)

Figure 4.3 Fresh recipient cycles: Female age distribution

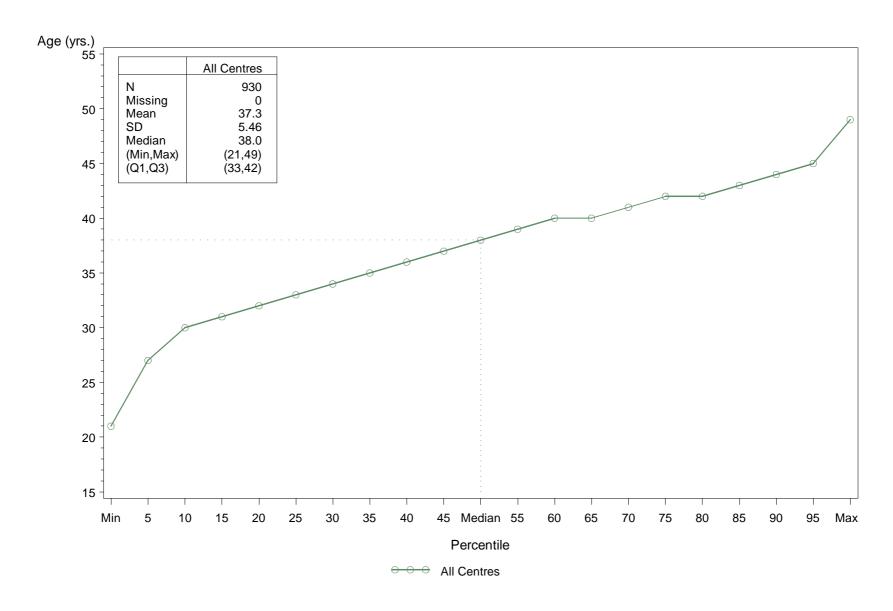
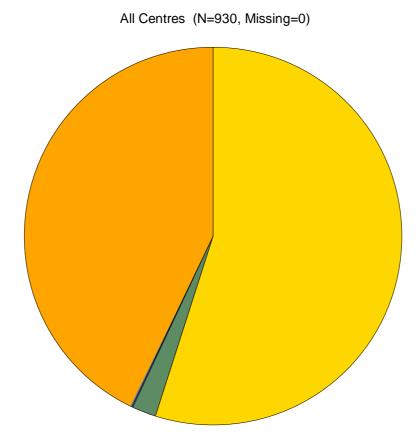
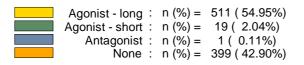


Figure 4.4 Fresh recipient cycles: Pituitary inhibition



### Pituitary Inhibition



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Table 4.5 Fresh recipient cycles: Stimulation protocol

	Otatiotic	All Centres
Stimulation protocol	Statistic	(N=930, Missing=0)
Stimulation protocol		
Clomiphene	n/N (%)	2/930 ( 0.22%)
Gonadotrophins	n/N (%)	14/930 ( 1.51%)
Substitution	n/N (%)	735/930 ( 79.03%)
None	n/N (%)	29/930 ( 3.12%)
Other	n/N (%)	150/930 ( 16.13%)

Table 4.6 Fresh recipient cycles: Number of HCG+ pregnancies according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=930, Missing	<b> =0)</b>				
Initiated cycles	338	209	203	180	930
At least one oocyte received	304	185	180	160	829
Transfers	272	151	165	149	737
HCG + per initiated cycle	79/335 (23.6%) (23.4% - 24.3%)	54/204 (26.5%) (25.8% - 28.2%)	56/201 (27.9%) (27.6% - 28.6%)	53/177 (29.9%) (29.4% - 31.1%)	242/917 (26.4%) (26.0% - 27.4%)
HCG + per cycles with at least one oocyte received	79/301 (26.2%) (26.0% - 27.0%)	54/180 (30.0%) (29.2% - 31.9%)	56/178 (31.5%) (31.1% - 32.2%)	53/157 (33.8%) (33.1% - 35.0%)	242/816 (29.7%) (29.2% - 30.8%)
HCG + per embryo transfer	79/269 (29.4%) (29.0% - 30.1%)	54/146 (37.0%) (35.8% - 39.1%)	56/163 (34.4%) (33.9% - 35.2%)	53/146 (36.3%) (35.6% - 37.6%)	242/724 (33.4%) (32.8% - 34.6%)

NA=no cycles with data available.

In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing HCG results as negative and positive, respectively.

Table 4.7 Fresh recipient cycles: Number of clinical pregnancies according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=930, Missing	=0)				
Initiated cycles	338	209	203	180	930
At least one oocyte received	304	185	180	160	829
Transfers	272	151	165	149	737
Clinical Pregnancy per initiated cycle	65/338 (19.2%) (19.2% - 19.2%)	47/209 (22.5%) (22.5% - 22.5%)	46/203 (22.7%) (22.7% - 22.7%)	35/180 (19.4%) (19.4% - 19.4%)	193/930 (20.8%) (20.8% - 20.8%)
Clinical Pregnancy per cycles with at least one oocyte received	65/304 (21.4%) (21.4% - 21.4%)	47/185 (25.4%) (25.4% - 25.4%)	46/180 (25.6%) (25.6% - 25.6%)	35/160 (21.9%) (21.9% - 21.9%)	193/829 (23.3%) (23.3% - 23.3%)
Clinical Pregnancy per embryo transfer	65/272 (23.9%) (23.9% - 23.9%)	47/151 (31.1%) (31.1% - 31.1%)	46/165 (27.9%) (27.9% - 27.9%)	35/149 (23.5%) (23.5% - 23.5%)	193/737 (26.2%) (26.2% - 26.2%)

NA=no cycles with data available.

In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing results as negative and positive, respectively.

Table 4.8 Fresh recipient cycles: Number of clinical pregnancies including FHB according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=930, Missing	=0)				
Initiated cycles	338	209	203	180	930
At least one oocyte received	304	185	180	160	829
Transfers	272	151	165	149	737
FHB: 1/2/3	53/7/0	34/10/0	32/3/1	22/9/0	141/29/1
Clinical Pregnancy + FHB per initiated cycle	60/338 (17.8%) (17.8% - 17.8%)	44/209 (21.1%) (21.1% - 21.1%)	36/203 (17.7%) (17.7% - 17.7%)	31/180 (17.2%) (17.2% - 17.2%)	171/930 (18.4%) (18.4% - 18.4%)
Clinical Pregnancy + FHB per cycles with at least one oocyte received	60/304 (19.7%) (19.7% - 19.7%)	44/185 (23.8%) (23.8% - 23.8%)	36/180 (20.0%) (20.0% - 20.0%)	31/160 (19.4%) (19.4% - 19.4%)	171/829 (20.6%) (20.6% - 20.6%)
Clinical Pregnancy + FHB per embryo transfer	60/272 (22.1%) (22.1% - 22.1%)	44/151 (29.1%) (29.1% - 29.1%)	36/165 (21.8%) (21.8% - 21.8%)	31/149 (20.8%) (20.8% - 20.8%)	171/737 (23.2%) (23.2% - 23.2%)

NA=no cycles with data available.

In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing results as negative and positive, respectively.

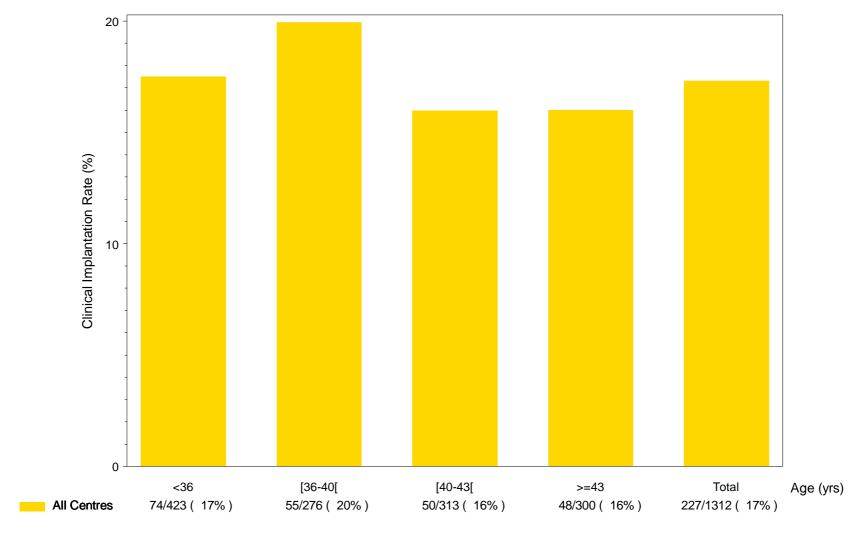
Table 4.9 Fresh recipient cycles: Number of deliveries according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=930, Missing	<b>j=0)</b>				
Initiated cycles	338	209	203	180	930
At least one oocyte received	304	185	180	160	829
Transfers	272	151	165	149	737
Number per delivery: 1/2/3	45/5/0	27/5/0	24/3/0	17/4/0	113/17/0
Delivery rate per initiated cycle	50/331 (15.1%) (14.8% - 16.9%)	32/197 (16.2%) (15.3% - 21.1%)	27/193 (14.0%) (13.3% - 18.2%)	21/164 (12.8%) (11.7% - 20.6%)	130/885 (14.7%) (14.0% - 18.8%)
Delivery rate per cycles with at least one oocyte received	50/297 (16.8%) (16.4% - 18.8%)	32/173 (18.5%) (17.3% - 23.8%)	27/170 (15.9%) (15.0% - 20.6%)	21/144 (14.6%) (13.1% - 23.1%)	130/784 (16.6%) (15.7% - 21.1%)
Delivery rate per embryo transfer	50/265 (18.9%) (18.4% - 21.0%)	32/139 (23.0%) (21.2% - 29.1%)	27/155 (17.4%) (16.4% - 22.4%)	21/133 (15.8%) (14.1% - 24.8%)	130/692 (18.8%) (17.6% - 23.7%)

NA=no cycles with data available.

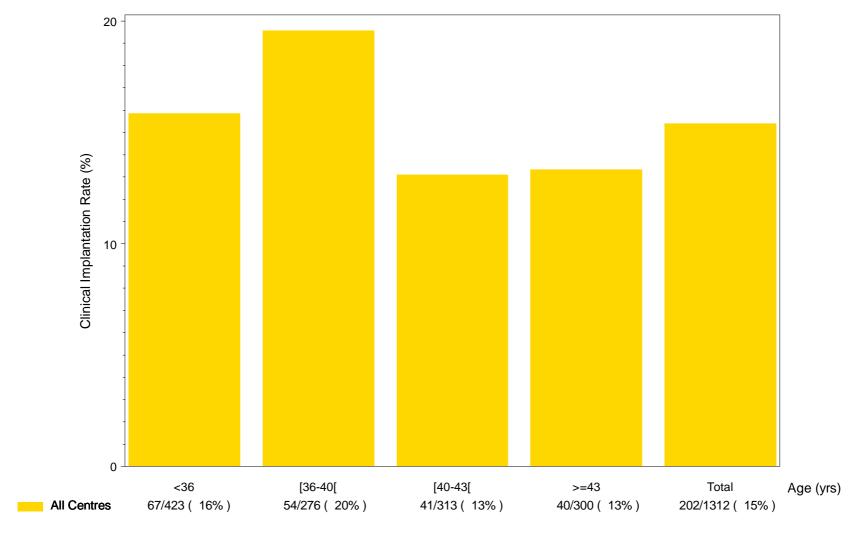
In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing delivery as negative and positive, respectively.

Figure 4.10 Fresh recipient cycles: Implantation rate (No. of uterine sacs) per transferred embryo according to age



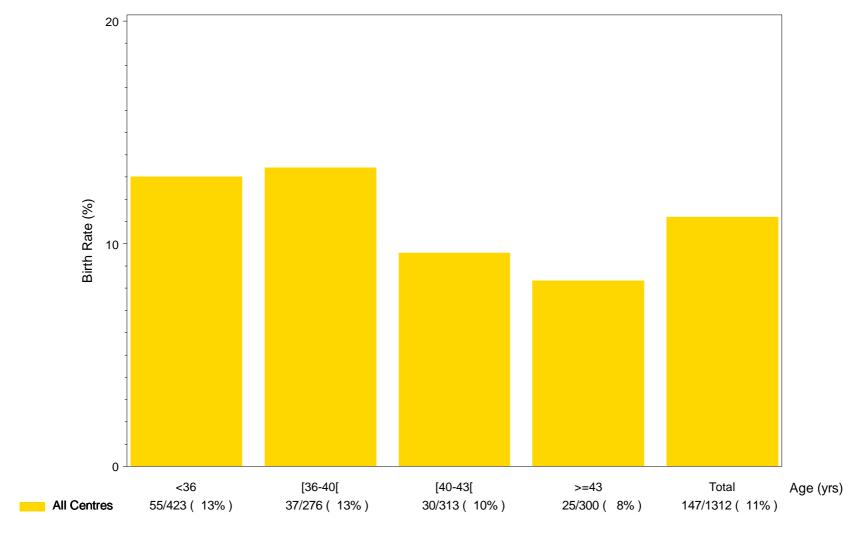
n/N (%) where n = Total number of uterine sacs; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 4.11 Fresh recipient cycles: Clinical implantation rate (No. of FHB) per transferred embryo according to age



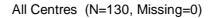
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

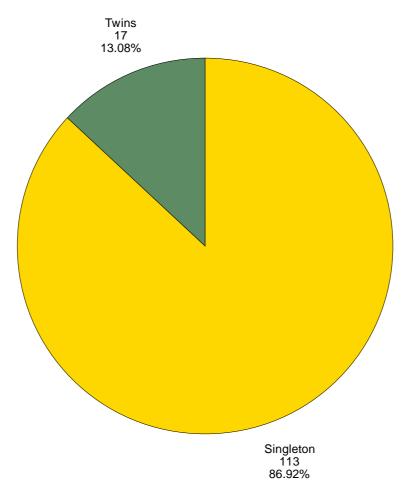
Figure 4.12 Fresh recipient cycles: Birth rate per transferred embryo according to age



n/N (%) where n = Total number of babies; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

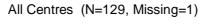
Figure 4.13 Fresh recipient cycles: Number of deliveries

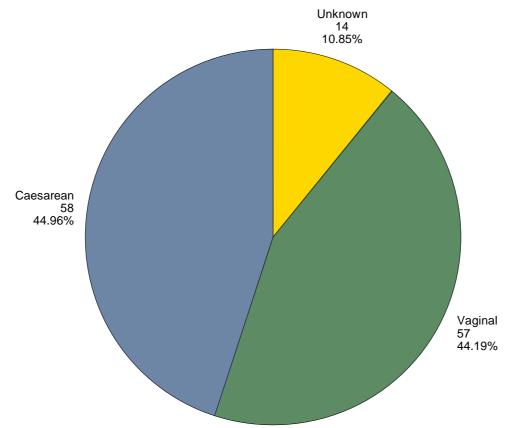




Deliveries of twins or triplets are only counted once.

Table 4.14 Fresh recipient cycles: Type of deliveries





Deliveries of twins or triplets are only counted once.

Table 4.15 Fresh recipient cycles: Sex of babies

	All Centres (N=146, Missing=1)
Sex of baby	
Male	64/146 ( 43.84%)
Female	66/146 ( 45.21%)
Unknown	16/146 ( 10.96%)

Table 4.16 Fresh recipient cycles: Birth weight

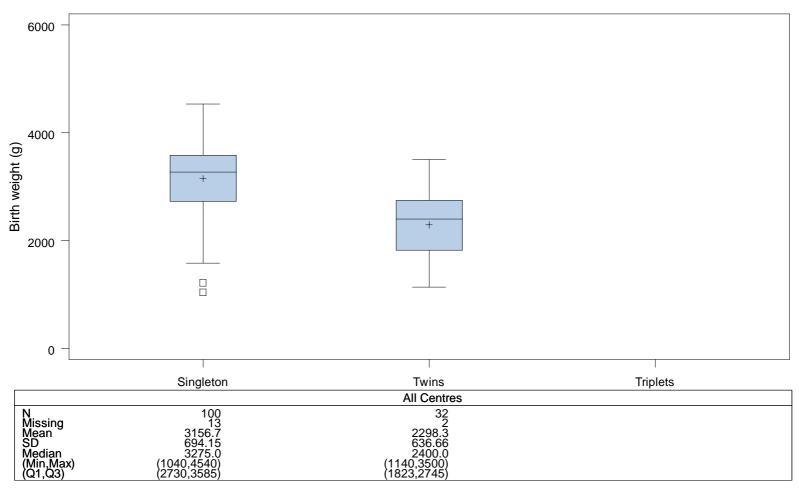
	Statistic	All Centres (N=132, Missing=15)
Birth Weight (g)		
Singletons	N	100
	Mean	3156.7
	Std	694.15
	Median	3275.0
	IQR	(2730.0; 3585.0)
Twins	N	32
	Mean	2298.3
	Std	636.66
	Median	2400.0
	IQR	(1822.5; 2745.0

Table 4.17 Fresh recipient cycles: Gestational age at delivery

	Statistic	All Centres (N=128, Missing=2)
Gestational age at delivery (weeks)		
Singletons	N	111
	Mean	38.4
	Std	2.15
	Median	38.7
	IQR	(37.3; 40.1)
Twins	N	17
	Mean	34.4
	Std	3.02
	Median	35.1
	IQR	(31.4; 36.7)

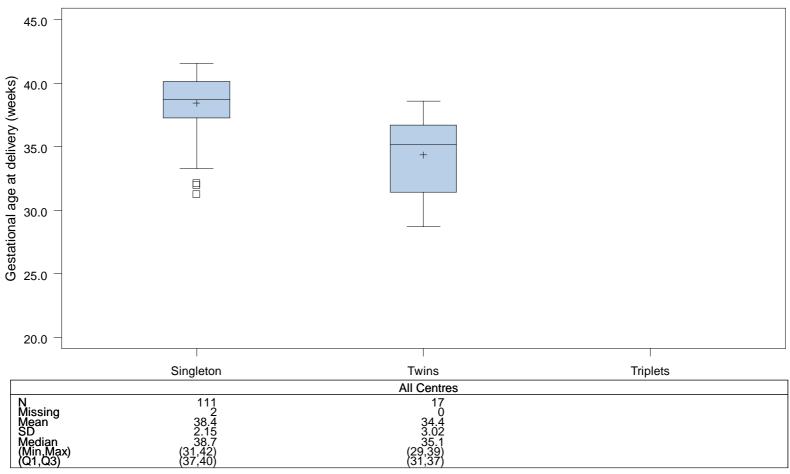
Twin or triplet birth is counted as one birth event.

Figure 4.18 Fresh recipient cycles: Birth weight (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR). Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Figure 4.19 Fresh recipient cycles: Gestational age at delivery (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR).

Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Twin or triplet birth is counted as one birth event.

Table 4.20 Fresh recipient cycles: Prevalence of preterm birth according to type of delivery

	Type of delivery						
Gestational age at delivery (weeks)		ingle n event	_	win n event	Triplet birth event	=	otal events
All Centres (N=128, Missing=2	2)						
< 32	1	(0.9%)	5	(29.4%)	NA	6	(4.7%)
[32-37[	23	(20.7%)	9	(52.9%)	NA	32	(25.0%)
>=37	87	(78.4%)	3	(17.6%)	NA	90	(70.3%)
Total	111	(100.0%)	17	(100.0%)	NA	128	(100.0%)

Twin or triplet birth is counted as one birth event. NA: no data available

Table 4.21 Fresh recipient cycles: Prevalence of low birth weight according to type of delivery

	Type of delivery			
Birth weight (g)	Singletons	Twins	Triplets	Total
All Centres (N=132, Missin	g=15)			
< 1500	2 (2.0%)	4 (12.5%)	NA	6 (4.5%)
[1500-2500[	15 (15.0%)	16 (50.0%)	NA	31 (23.5%)
>= 2500	83 (83.0%)	12 (37.5%)	NA	95 (72.0%)
Total	100 (100.0%)	32 (100.0%)	NA	132 (100.0%)

NA: no data available

# **Section 5: Cryo recipient cycles**

Table 5.1 Cryo recipient cycles (donor eggs): Overview of cryo cycles

Cryo cycle	All	Centres
Initiated	533	(100.0%)
Cancelled	16	(3.0%)
Thawed	517	(97.0%)
Embryo Transfer	417	(78.2%)

Table 5.2 Cryo recipient cycles (donor eggs): Number of embryos transferred

	All Centres
Number of cycles with transfer	417
Number of embryos transferred	
1	165/387 ( 42.64%)
2	206/387 ( 53.23%)
3	13/387 ( 3.36%)
>3	3/387 ( 0.78%)
Total number of embryos transferred	630

Based on all cycles with at least one embryo transferred.

Table 5.3 Cryo recipient cycles (donor eggs): Pituitary inhibition

	Statistic	All Centres (N=532, Missing=1)
Pituitary inhibition		
Yes	n/N (%)	59/532 ( 11.09%)
No	n/N (%)	473/532 ( 88.91%)

Table 5.4 Cryo recipient cycles (donor eggs): Stimulation protocol

	Statistic	All Centres (N=531, Missing=2)
Stimulation protocol		
Clomiphene	n/N (%)	21/531 ( 3.95%)
Gonadotrophins	n/N (%)	5/531 ( 0.94%)
Substitution	n/N (%)	333/531 ( 62.71%)
None	n/N (%)	126/531 ( 23.73%)
Other	n/N (%)	46/531 ( 8.66%)

Table 5.5 Cryo recipient cycles (donor eggs): Number of HCG+ pregnancies according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=533, Mis	sing=0)				
Initiated cycles	192	103	110	128	533
Thawing cycles	189	101	107	120	517
Transfers	147	84	87	99	417
HCG + per initiated cycle	38/191 (19.9%) (19.8% - 20.3%)	21/99 (21.2%) (20.4% - 24.3%)	18/107 (16.8%) (16.4% - 19.1%)	25/124 (20.2%) (19.5% - 22.7%)	102/521 (19.6%) (19.1% - 21.4%)
HCG + per thawing cycles	38/188 (20.2%) (20.1% - 20.6%)	21/97 (21.6%) (20.8% - 24.8%)	18/104 (17.3%) (16.8% - 19.6%)	25/116 (21.6%) (20.8% - 24.2%)	102/505 (20.2%) (19.7% - 22.1%)
HCG + per embryo transfer	38/146 (26.0%) (25.9% - 26.5%)	21/80 (26.3%) (25.0% - 29.8%)	18/84 (21.4%) (20.7% - 24.1%)	25/95 (26.3%) (25.3% - 29.3%)	102/405 (25.2%) (24.5% - 27.3%)

NA=no cycles with data available.

In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing HCG results as negative and positive, respectively.

Table 5.6 Cryo recipient cycles (donor eggs): Number of clinical pregnancies according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=533, Mis	sing=0)				
Initiated cycles	192	103	110	128	533
Thawing cycles	189	101	107	120	517
Transfers	147	84	87	99	417
Clinical Pregnancy per initiated cycle	35/192 (18.2%) (18.2% - 18.2%)	15/103 (14.6%) (14.6% - 14.6%)	14/110 (12.7%) (12.7% - 12.7%)	21/128 (16.4%) (16.4% - 16.4%)	85/533 (15.9%) (15.9% - 15.9%)
Clinical Pregnancy per thawing cycles	35/189 (18.5%) (18.5% - 18.5%)	15/101 (14.9%) (14.9% - 14.9%)	14/107 (13.1%) (13.1% - 13.1%)	21/120 (17.5%) (17.5% - 17.5%)	85/517 (16.4%) (16.4% - 16.4%)
Clinical Pregnancy per embryo transfer	35/147 (23.8%) (23.8% - 23.8%)	15/84 (17.9%) (17.9% - 17.9%)	14/87 (16.1%) (16.1% - 16.1%)	21/99 (21.2%) (21.2% - 21.2%)	85/417 (20.4%) (20.4% - 20.4%)

NA=no cycles with data available.

In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing results as negative and positive, respectively.

Table 5.7 Cryo recipient cycles (donor eggs): Number of clinical pregnancies including FHB according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=533, Missir	ng=0)				
Initiated cycles	192	103	110	128	533
Thawing cycles	189	101	107	120	517
Transfers	147	84	87	99	417
FHB: 1/2/3	28/2/0	8/1/1	9/2/0	12/3/1	57/8/2
Clinical Pregnancy + FHB per initiated cycle	30/192 (15.6%) (15.6% - 15.6%)	10/103 (9.7%) (9.7% - 9.7%)	11/110 (10.0%) (10.0% - 10.0%)	16/128 (12.5%) (12.5% - 12.5%)	67/533 (12.6%) (12.6% - 12.6%)
Clinical Pregnancy + FHB per thawing cycles	30/189 (15.9%) (15.9% - 15.9%)	10/101 (9.9%) (9.9% - 9.9%)	11/107 (10.3%) (10.3% - 10.3%)	16/120 (13.3%) (13.3% - 13.3%)	67/517 (13.0%) (13.0% - 13.0%)
Clinical Pregnancy + FHB per embryo transfer	30/147 (20.4%) (20.4% - 20.4%)	10/84 (11.9%) (11.9% - 11.9%)	11/87 (12.6%) (12.6% - 12.6%)	16/99 (16.2%) (16.2% - 16.2%)	67/417 (16.1%) (16.1% - 16.1%)

NA=no cycles with data available.

In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing results as negative and positive, respectively.

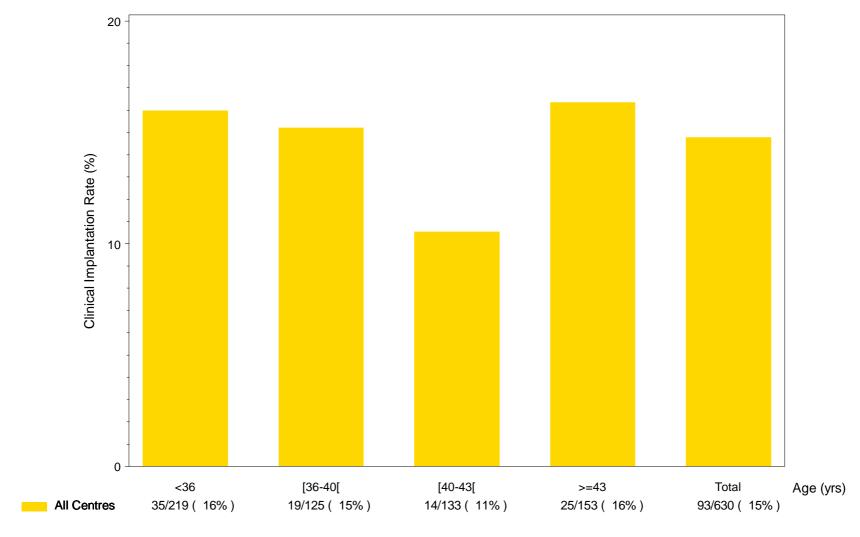
Table 5.8 Cryo recipient cycles (donor eggs): Number of deliveries according to age

Age (yrs.)	< 36	[36-40[	[40-43[	>=43	All ages
All Centres (N=533, Missin	ig=0)				
Initiated cycles	192	103	110	128	533
Thawing cycles	189	101	107	120	517
Transfers	147	84	87	99	417
Number per delivery: 1/2/3	24/2/0	5/0/0	6/2/0	6/4/0	41/8/0
Delivery rate per initiated cycle	26/192 (13.5%) (13.5% - 13.5%)	5/101 (5.0%) (4.9% - 6.8%)	8/108 (7.4%) (7.3% - 9.1%)	10/123 (8.1%) (7.8% - 11.7%)	49/524 (9.4%) (9.2% - 10.9%)
Delivery rate per thawing cycles	26/189 (13.8%) (13.8% - 13.8%)	5/99 (5.1%) (5.0% - 6.9%)	8/105 (7.6%) (7.5% - 9.3%)	10/115 (8.7%) (8.3% - 12.5%)	49/508 (9.6%) (9.5% - 11.2%)
Delivery rate per embryo transfer	26/147 (17.7%) (17.7% - 17.7%)	5/82 (6.1%) (6.0% - 8.3%)	8/85 (9.4%) (9.2% - 11.5%)	10/94 (10.6%) (10.1% - 15.2%)	49/408 (12.0%) (11.8% - 13.9%)

NA=no cycles with data available.

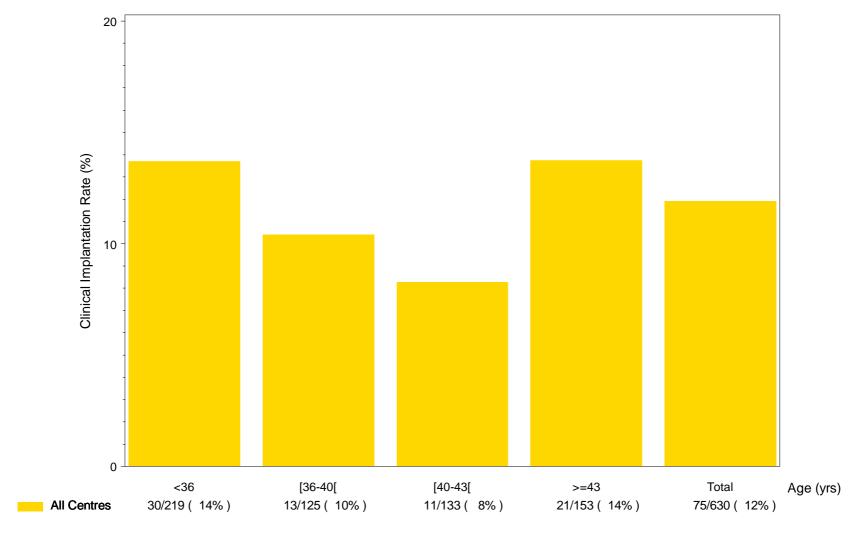
In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing delivery as negative and positive, respectively.

Figure 5.9 Cryo recipient cycles (donor eggs): Implantation rate (No. of uterine sacs) per transferred embryo according to ag



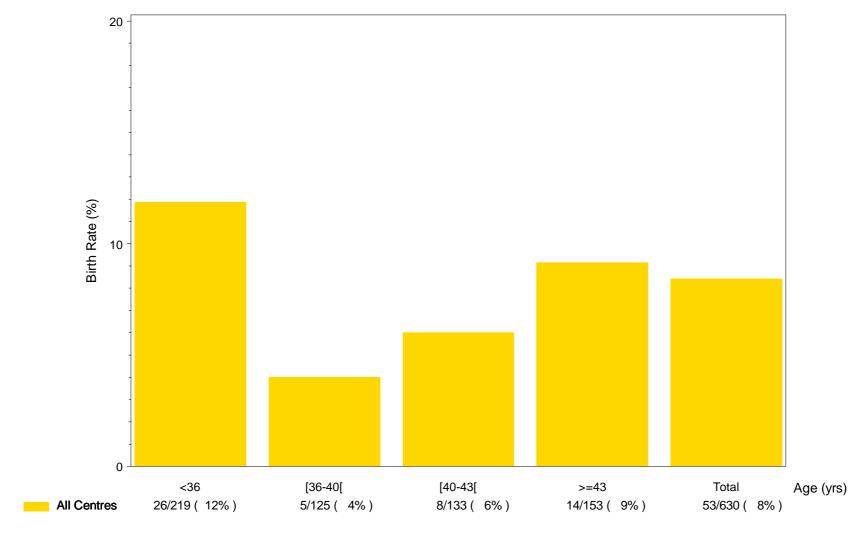
n/N (%) where n = Total number of uterine sacs; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 5.10 Cryo recipient cycles (donor eggs): Clinical implantation rate (No. of FHB) per transferred embryo according to a



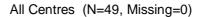
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

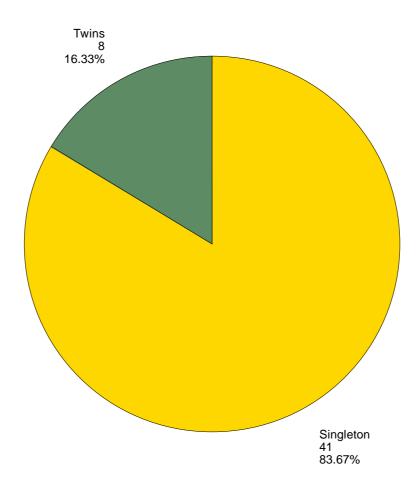
Figure 5.11 Cryo recipient cycles (donor eggs): Birth rate per transferred embryo according to age



n/N (%) where n = Total number of babies; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 5.12 Cryo recipient cycles (donor eggs): Number of deliveries

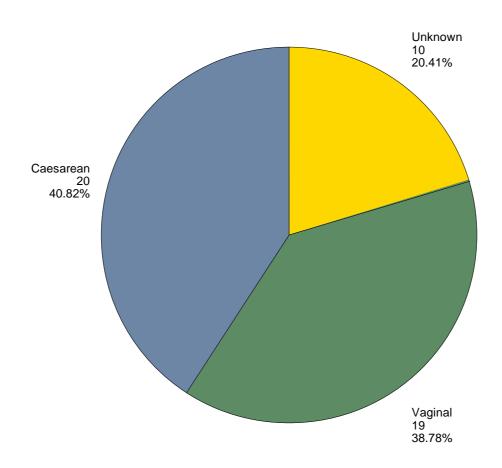




Deliveries of twins or triplets are only counted once.

Table 5.13 Cryo recipient cycles (donor eggs): Type of deliveries

All Centres (N=49, Missing=0)



Deliveries of twins or triplets are only counted once.

Table 5.14 Cryo recipient cycles (donor eggs): Sex of babies

	All Centres (N=57, Missing=0)
Sex of baby	
Male	26/57 ( 45.61%)
Female	26/57 ( 45.61%)
Unknown	5/57 ( 8.77%)

Table 5.15 Cryo recipient cycles (donor eggs): Birth weight

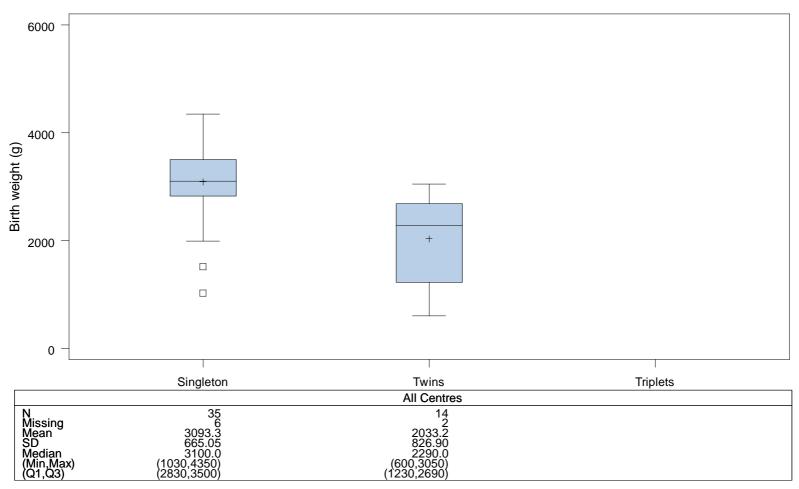
	Statistic	All Centres (N=49, Missing=8)
Birth Weight (g)		
Singletons	N	35
	Mean	3093.3
	Std	665.05
	Median	3100.0
	IQR	(2830.0; 3500.0)
Twins	N	14
	Mean	2033.2
	Std	826.90
	Median	2290.0
	IQR	(1230.0; 2690.0)

Table 5.16 Cryo recipient cycles (donor eggs): Gestational age at delivery

	Statistic	All Centres (N=49, Missing=0)
Gestational age at delivery (weeks)		
Singletons	N	41
	Mean	38.1
	Std	3.51
	Median	38.7
	IQR	(37.4; 40.3)
Twins	N	8
	Mean	33.6
	Std	5.46
	Median	35.6
	IQR	(28.6; 38.2)

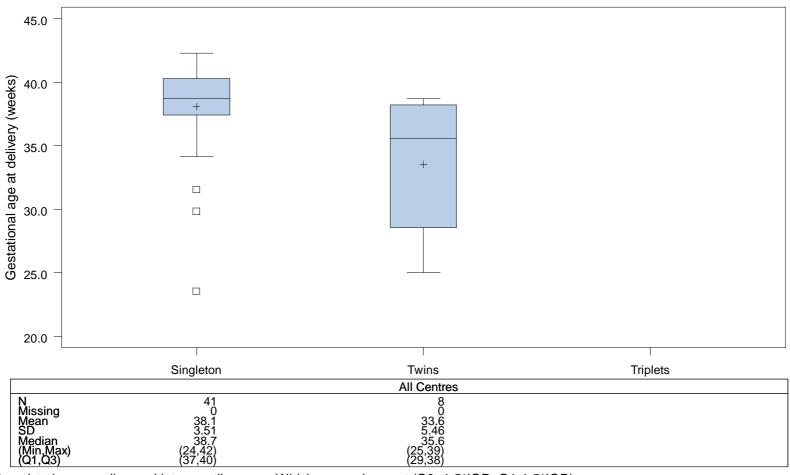
Twin or triplet birth is counted as one birth event.

Figure 5.17 Cryo recipient cycles (donor eggs): Birth weight (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR). Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Figure 5.18 Cryo recipient cycles (donor eggs): Gestational age at delivery (boxplot)



Box plot shows median and interquartile range. Whiskers are drawn at (Q3+1.5\*IQR, Q1-1.5\*IQR). Q1, Q3 = 1st and 3rd quartile, IQR = Q3 - Q1. +-sign indicates mean value.

Twin or triplet birth is counted as one birth event.

Table 5.19 Cryo recipient cycles (donor eggs): Prevalence of preterm birth according to type of delivery

	Type of delivery				
Gestational age at delivery (weeks)	Single birth event	Twin birth event	Triplet birth event	Total birth events	
All Centres (N=49, Missing=0)					
< 32	3 (7.3%)	3 (37.5%)	NA	6 (12.2%)	
[32-37[	6 (14.6%)	2 (25.0%)	NA	8 (16.3%)	
>=37	32 (78.0%)	3 (37.5%)	NA	35 (71.4%)	
Total	41 (100.0%)	8 (100.0%)	NA	49 (100.0%)	

Twin or triplet birth is counted as one birth event.

Table 5.20 Cryo recipient cycles (donor eggs): Prevalence of low birth weight according to type of delivery

		Type of delivery				
Birth weight (g)	Singletons	Twins	Triplets	Total		
All Centres (N=49, Missing=	8)					
< 1500	1 (2.9%)	4 (28.6%)	NA	5 (10.2%)		
[1500-2500[	3 (8.6%)	6 (42.9%)	NA	9 (18.4%)		
>= 2500	31 (88.6%)	4 (28.6%)	NA	35 (71.4%)		
Total	35 (100.0%)	14 (100.0%)	NA	49 (100.0%)		

NA: no data available

# Section 6: Fresh donor cycles

Table 6.1 Fresh donor cycles: Overview of cycles

Cycle	All	Centres
Initiated	682	(100.0%)
Cancelled	63	(9.2%)
At least one oocyte received	619	(90.8%)
Embryo Transfer	3	(0.4%)

Figure 6.2 Fresh donor cycles: Female age distribution

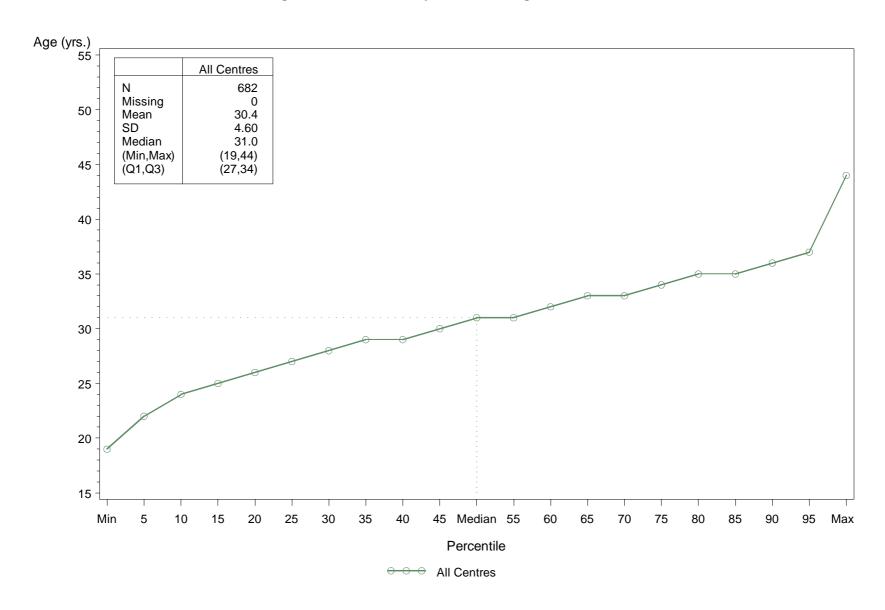


Table 6.3 Fresh donor cycles: Pituitary inhibition

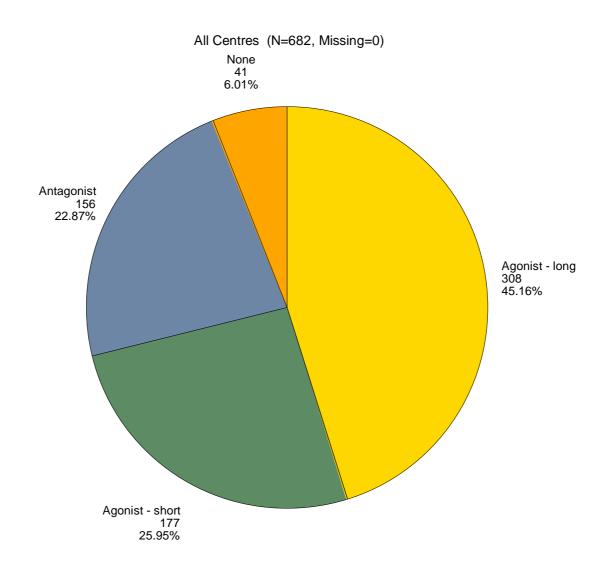
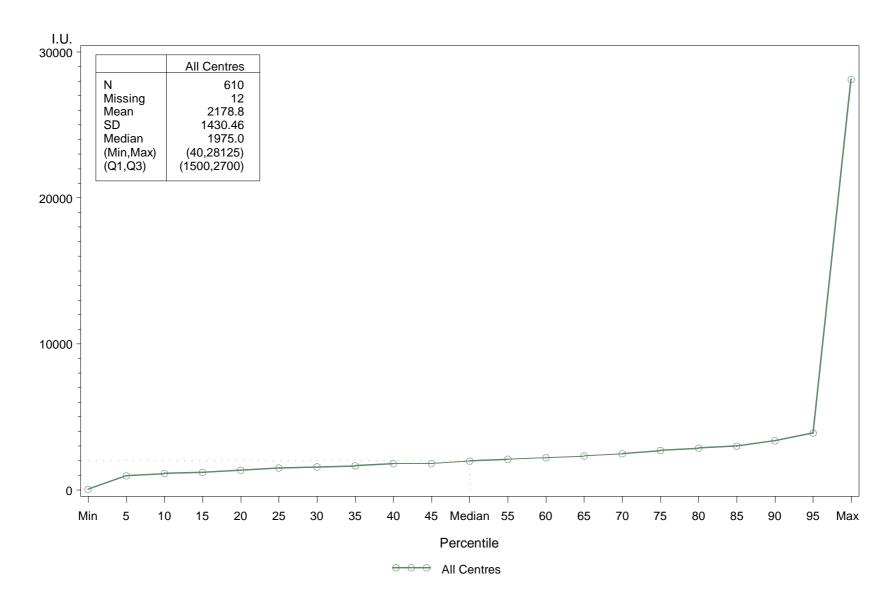


Table 6.4 Fresh donor cycles: Stimulation protocol

	Statistic	All Centres (N=682, Missing=0)
Stimulation protocol		
Gonadotrophins	n/N (%)	621/682 ( 91.06%)
Clomiphene + Gonadotrophins	n/N (%)	1/682 ( 0.15%)
Aromatase Inhibitor + Gonadotrophins	n/N (%)	14/682 ( 2.05%)
Substitution	n/N (%)	4/682 ( 0.59%)
None	n/N (%)	20/682 ( 2.93%)
Other	n/N (%)	22/682 ( 3.23%)

Figure 6.5 Fresh donor cycles: Total dose of Gonadotrophins (percentiles)



# Section 7: Appendix

Table 7.1 : Definitions

Term	Definition
Clinical pregnancy	The presence of intra- or extra-uterine sacs on an ultrasound scan.
Delivery	Birth of a child, death or alive, of >= 500g or >= 22 weeks if birth weight is unknown.
Gestational age	Age of an embryo or fetus calculated by adding 14 days (2 weeks) to the number of completed weeks since fertilization.

Table 7.2 : List of B-centres having supplied data

City	Centre
Antwerpen	Dienst Fertiliteit, Algemeen Ziekenhuis Middelheim
Braine L'alleud	Centre de Fécondation ,C.H. Interrégional Edith Cavell (CHIREC)
Brugge	BIRTH - Fertiliteitskliniek, Algemeen Ziekenhuis Sint-Jan
Brussel	Centrum voor Reproduktieve Geneeskunde, UZ-Brussel
Bruxelles	Clinique de Procréation Médicalement Assistée, Hôpital Universitaire Saint- Pierre – U.L.B
Bruxelles	Service de Gynécologie, Cliniques Universitaires Saint-Luc – U.C.L.
Bruxelles	Centre de FIV de l'ULB- Hôpital Erasme
Charleroi	Service Gyn/Obst,Clinique Notre Dame
Edegem	Centrum voor Reproductieve Geneeskunde, Universitair Ziekenhuis Antwerpen - U.I.A.
Genk	Centre for Reproductive Medicine, Ziekenhuis Oost-Limburg - St. Jan
Gent	Vrouwenkliniek - Infertiliteitscentrum, U.Z. – Gent
Gent	Centrum voor Fertiliteitstherapie, A.Z. Jan Palfijn
Leuven	Dienst Gynaecologie, Universitaire Ziekenhuizen K.U.Leuven Gasthuisberg
Leuven	Unit Reproductieve Geneeskunde, Regionaal Ziekenhuis Heilig Hart
Libramont	Centre d'Infertilité, Centre Hospitalier de l'Ardenne
Liège	Centre de FIV, Centre Hospitalier Régional de la Citadelle
Namur	Service Gynéco, Centre Hospitalier Régional de Namur
Rocourt	Centre Liégeois pour l'Etude et le Traitement de la Stérilité, Clinique Saint Vincent

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