

**College van Geneesheren Reproductieve Geneeskunde  
Collège de Médecins Médecine de la Reproduction  
College of Physicians of Reproductive Medicine  
IVF Report**

**Belgium 2021**

10 June 2024

Version 1.1

**History of changes**

Version 1: original version

Version 1.1: Updated Figure 2.34

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**Section 1: General overview**

**Table 1.1 All cycles: Type of cycles**

Type of cycle*	Statistic	Total (N=42497)	All Centres	
			With social security (N=36846)	Without social security (N=5651)
Own fresh cycle	n (%)	21525 ( 50.65%)	18834 ( 51.12%)	2691 ( 47.62%)
Own embryo cryo cycle	n (%)	16855 ( 39.66%)	14717 ( 39.94%)	2138 ( 37.83%)
Other cycle\$	n (%)	4117 ( 9.69%)	3295 ( 8.94%)	822 ( 14.55%)

\*: Definitions of the different type of cycles can be found in Appendix Table 9.1.

\$. Other type of cycles are explained in Table 1.2.

In-vitro maturation (IVM) cycles are included in other cycles.

**Table 1.2 All cycles: Type of other cycles**

Type of other cycle*	Statistic	Total (N=4117)	All Centres	
			With social security (N=3295)	Without social security (N=822)
Cryo embryo recipient – donor egg	n (%)	1019 ( 2.40%)	776 ( 2.11%)	243 ( 4.30%)
Own oocyte freezing cycle	n (%)	986 ( 2.32%)	790 ( 2.14%)	196 ( 3.47%)
Fresh oocyte donor cycle	n (%)	647 ( 1.52%)	551 ( 1.50%)	96 ( 1.70%)
Fresh oocyte recipient cycle	n (%)	612 ( 1.44%)	462 ( 1.25%)	150 ( 2.65%)
Thawed oocyte recipient cycle	n (%)	294 ( 0.69%)	265 ( 0.72%)	29 ( 0.51%)
Cryo embryo recipient – donor embryo	n (%)	204 ( 0.48%)	173 ( 0.47%)	31 ( 0.55%)
Own thawed oocyte cycle	n (%)	159 ( 0.37%)	103 ( 0.28%)	56 ( 0.99%)
All IVM cycles	n (%)	134 ( 0.32%)	126 ( 0.34%)	8 ( 0.14%)
Thawed surrogate carrier cycle	n (%)	28 ( 0.07%)	26 ( 0.07%)	2 ( 0.04%)
Mixed (fresh + thawed) cycle	n (%)	19 ( 0.04%)	12 ( 0.03%)	7 ( 0.12%)
Unspecified fresh cycle	n (%)	7 ( 0.02%)	6 ( 0.02%)	1 ( 0.02%)
Fresh surrogate carrier cycle	n (%)	6 ( 0.01%)	4 ( 0.01%)	2 ( 0.04%)
Fresh oocyte sharing cycle	n (%)	2 ( 0.00%)	1 ( 0.00%)	1 ( 0.02%)

\*: Definitions of the different type of cycles can be found in Appendix Table 9.1.

Percentages are calculated on all cycles given in the table 1.1.

IVM = In-vitro maturation



**Table 1.3 All cycles: Number of births**

	<b>Statistic</b>	<b>All Centres</b>
Number of deliveries		
Singleton	n (%)	5662 ( 95.55%)
Twins	n (%)	261 ( 4.40%)
Triplets	n (%)	3 ( 0.05%)
Total number of births	n	6193
Cycles with missing data on delivery	n	1812

**Table 1.4 Own and recipient fresh cycles: Number of laboratory treatment cycles**

	<b>All Centres (N=18665, Missing=1678)</b>		
	<b>Patients with social security</b>	<b>Patients without social security</b>	<b>Total</b>
	<b>N (%)</b>	<b>N (%)</b>	<b>N</b>
<b>All ages &amp; ranks</b>	16277 (87.2%)	2388 (12.8%)	18665
<b>&lt; 43 years old &amp; rank &lt; 7</b>	15693 (88.5%)	2044 (11.5%)	17737
<b>&lt; 43 years old &amp; rank &gt;=7</b>	138 (68.7%)	63 (31.3%)	201
<b>&gt;= 43 years old</b>	446 (61.3%)	281 (38.7%)	727

Note: Cancelled cycles are not included in the table.

**Figure 1.5 Own and recipient fresh cycles: Evolution of total number of cycles**



Note: Cancelled cycles are not included in the figure. Reimbursable mixed cycles, own thawed oocytes cycles, thawed oocytes recipient cycles and all IVM cycles are included in the figure.

## Section 2: Own fresh cycles

Table 2.1 Own fresh cycles: Overview of cycles

Cycle	All Centres
Initiated	21525 (100.0%)
Cancelled	2138 (9.9%)
Aspiration	19387 (90.1%)
Embryo Transfer	11885 (55.2%)

Figure 2.2 Own fresh cycles: Female age and laborank

All Centres (N=17919, Missing=3606)

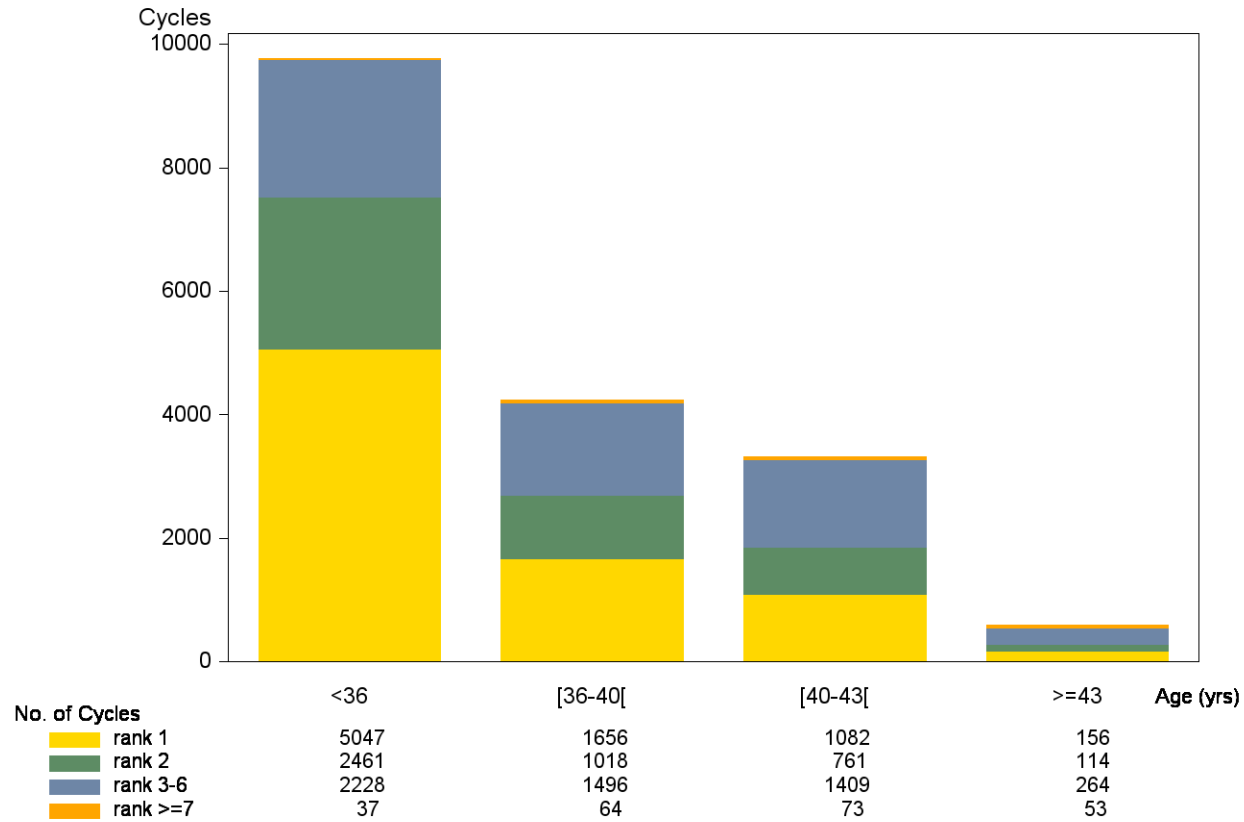
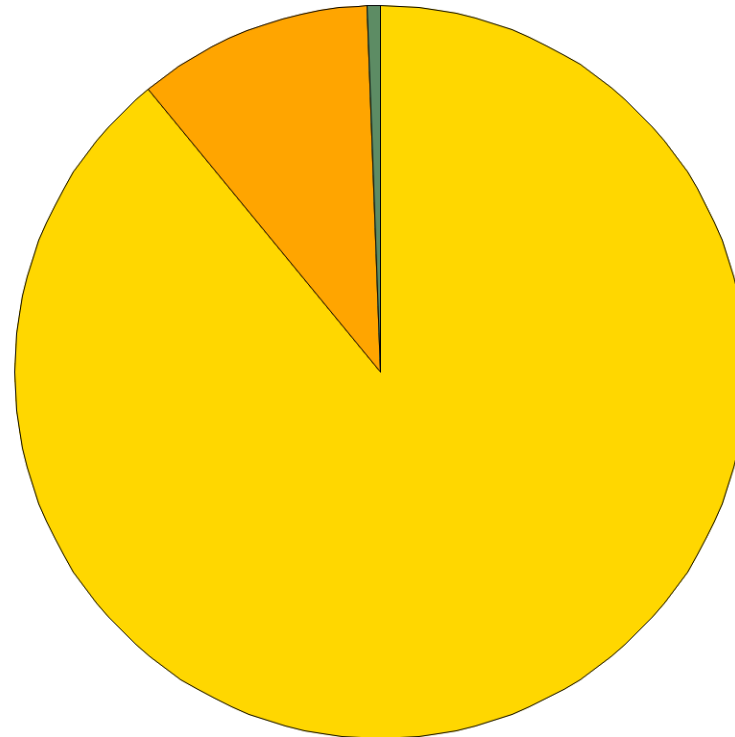


Figure 2.3 Own fresh cycles: Residence of the patient

All Centres (N=21525)



Residence





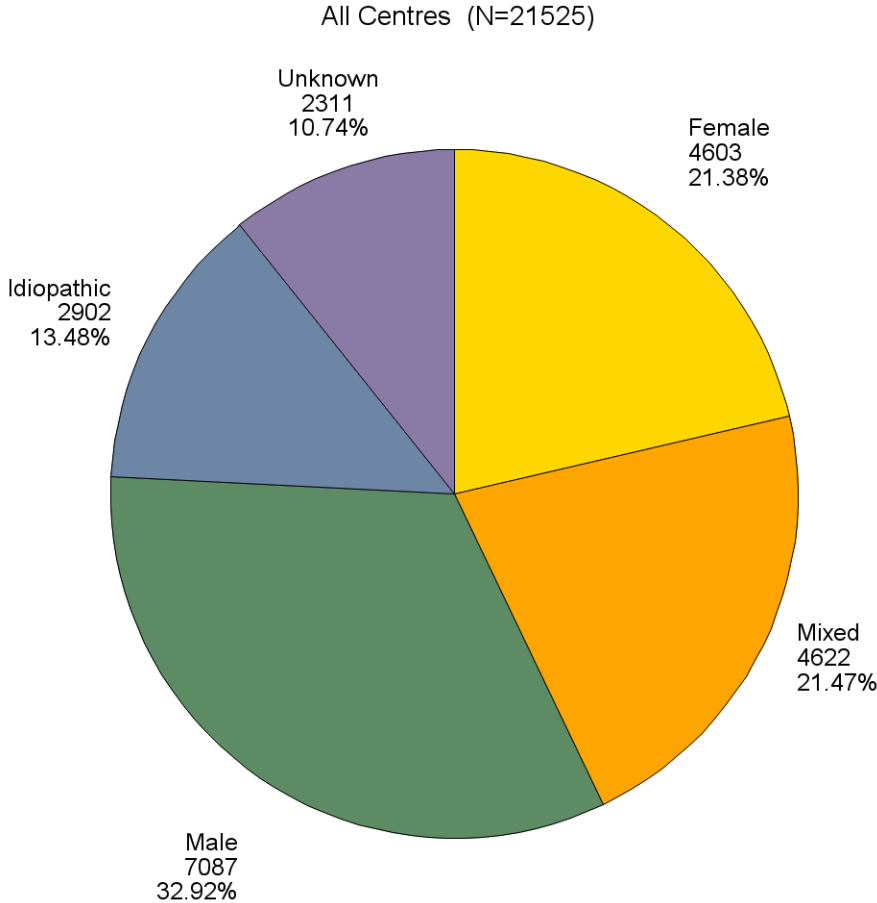
	Belgium: n (%) = 19165 ( 89.04%)
	European Union: n (%) = 2233 ( 10.37%)
	Other: n (%) = 124 ( 0.58%)
	Unknown: n (%) = 3 ( 0.01%)

Figure 2.4 Own fresh cycles: Indications of ART



2278 cycles are counted as No male pathology due to non-applicability (lesbian=844, single=1411 and other=23)

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

	<b>Statistic</b>	<b>All Centres</b>
<b>Female pathology</b>	N	9225
Tubal	n/N (%)	2676/8641 ( 30.97%)
Endometriosis	n/N (%)	1982/7699 ( 25.74%)
Ovulatory	n/N (%)	3331/8919 ( 37.35%)
Premature Ovarian Failure	n/N (%)	1003/8854 ( 11.33%)
Genetic anomaly	n/N (%)	1186/7797 ( 15.21%)
Uterine factor	n/N (%)	996/8933 ( 11.15%)
<b>Male pathology</b>	N	11709
Genetic anomaly	n/N (%)	806/10599 ( 7.60%)
Sperm abnormality	n/N (%)	11289/11574 ( 97.54%)

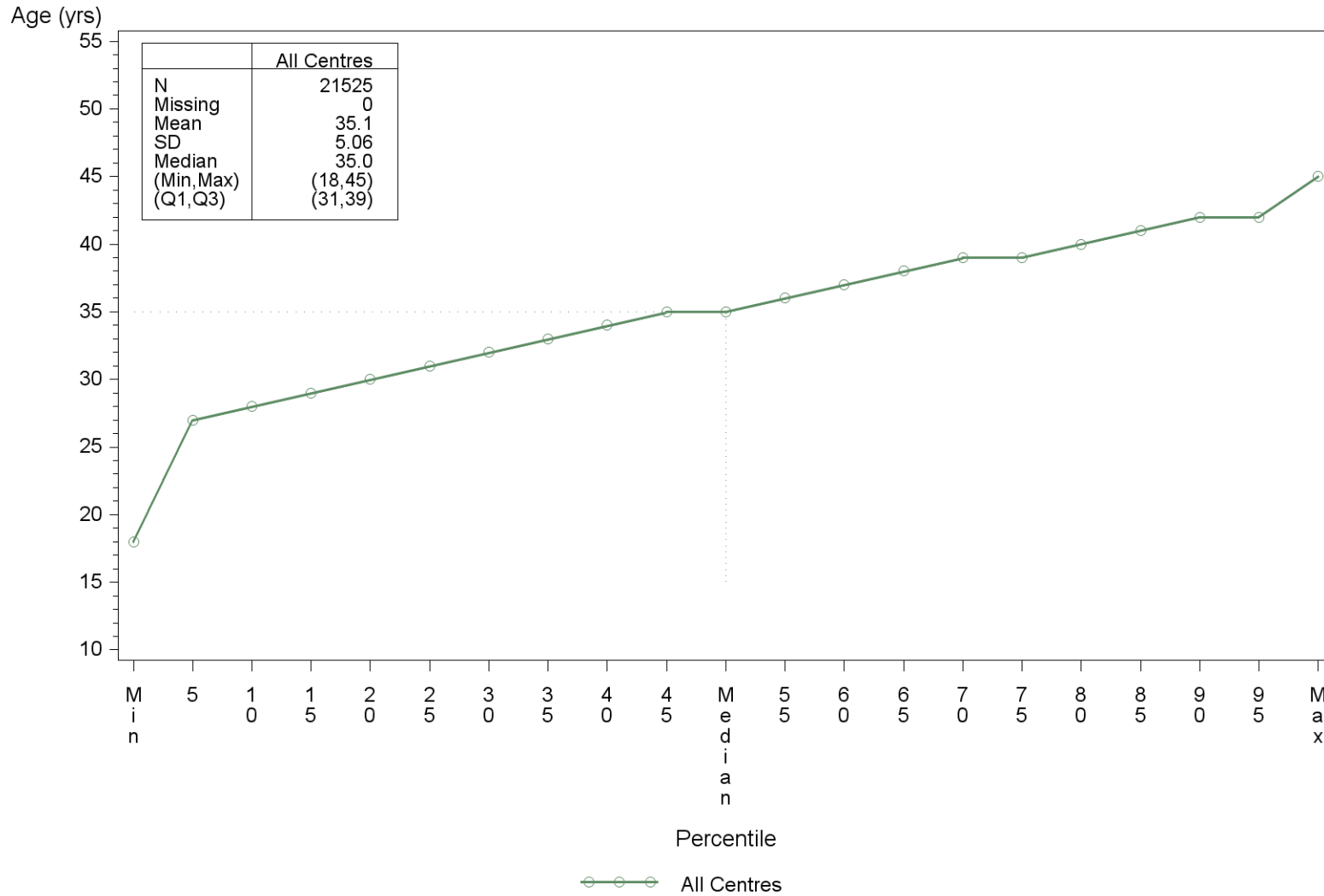
Some patients have more than one cause identified per cycle.



**Table 2.6 Own fresh cycles: Serological status**

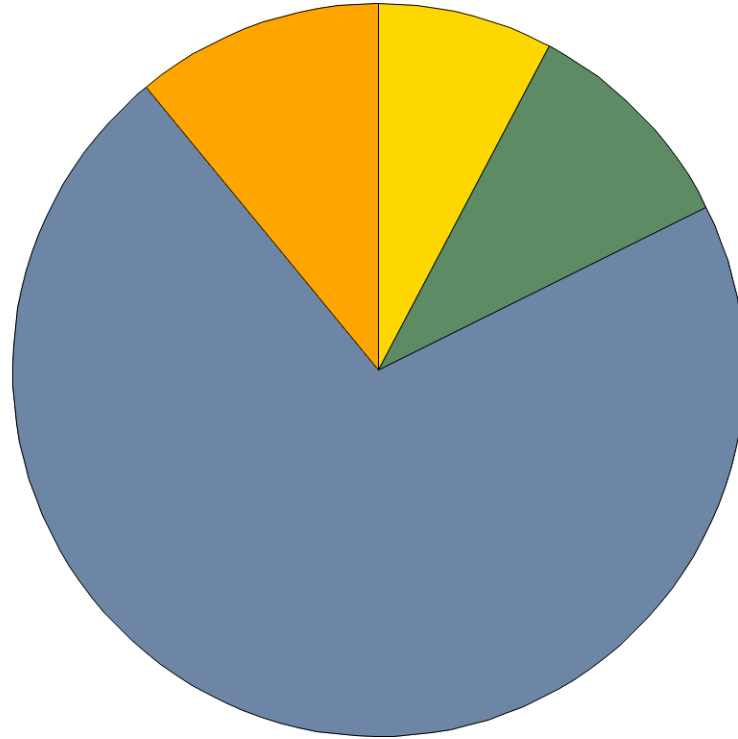
	<b>Statistic</b>	<b>All Centres (N=21525)</b>
<b>Female positive serological status</b>	n/N (%)	338/21233 ( 1.59%)
<b>Male positive serological status</b>	n/N (%)	339/19029 ( 1.78%)

Figure 2.7 Own fresh cycles: Female age distribution







**Figure 2.8 Own fresh cycles: Pituitary inhibition**

All Centres (N=21518, Missing=7)



**Pituitary Inhibition**

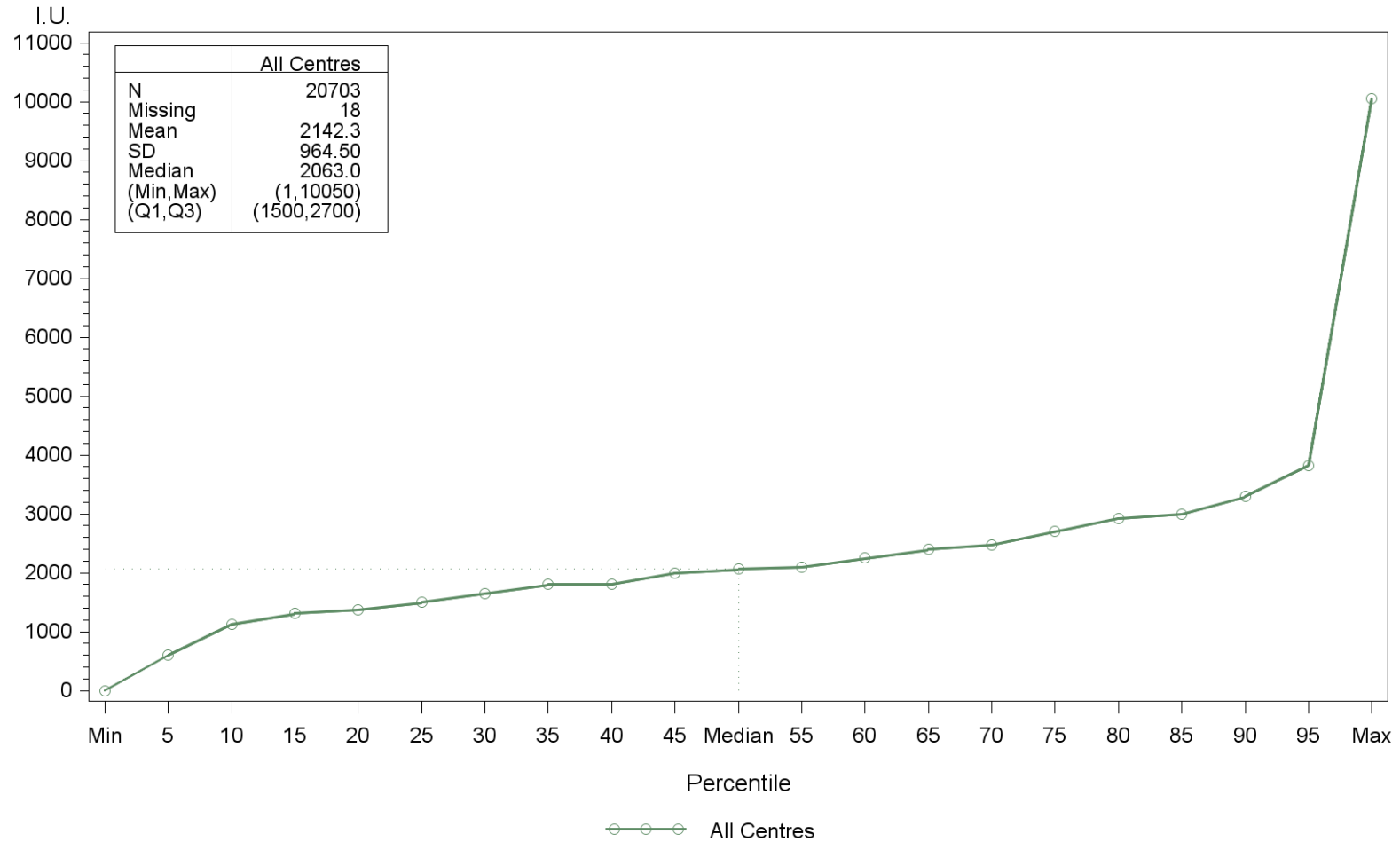
	Agonist - long : n (%) = 1665 ( 7.74%)
	Agonist - short : n (%) = 2140 ( 9.95%)
	Antagonist : n (%) = 15359 ( 71.38%)
	None : n (%) = 2354 ( 10.94%)

**Table 2.9 Own fresh cycles: Stimulation protocol**

	<b>Statistic</b>	<b>All Centres (N=21525)</b>
Stimulation with clomiphene	n/N (%)	784/19498 ( 4.02%)
Stimulation with gonadotrophins	n/N (%)	20721/21363 ( 96.99%)
Spontaneous/modified cycle	n/N (%)	436/18634 ( 2.34%)
Other stimulation	n/N (%)	73/20995 ( 0.35%)

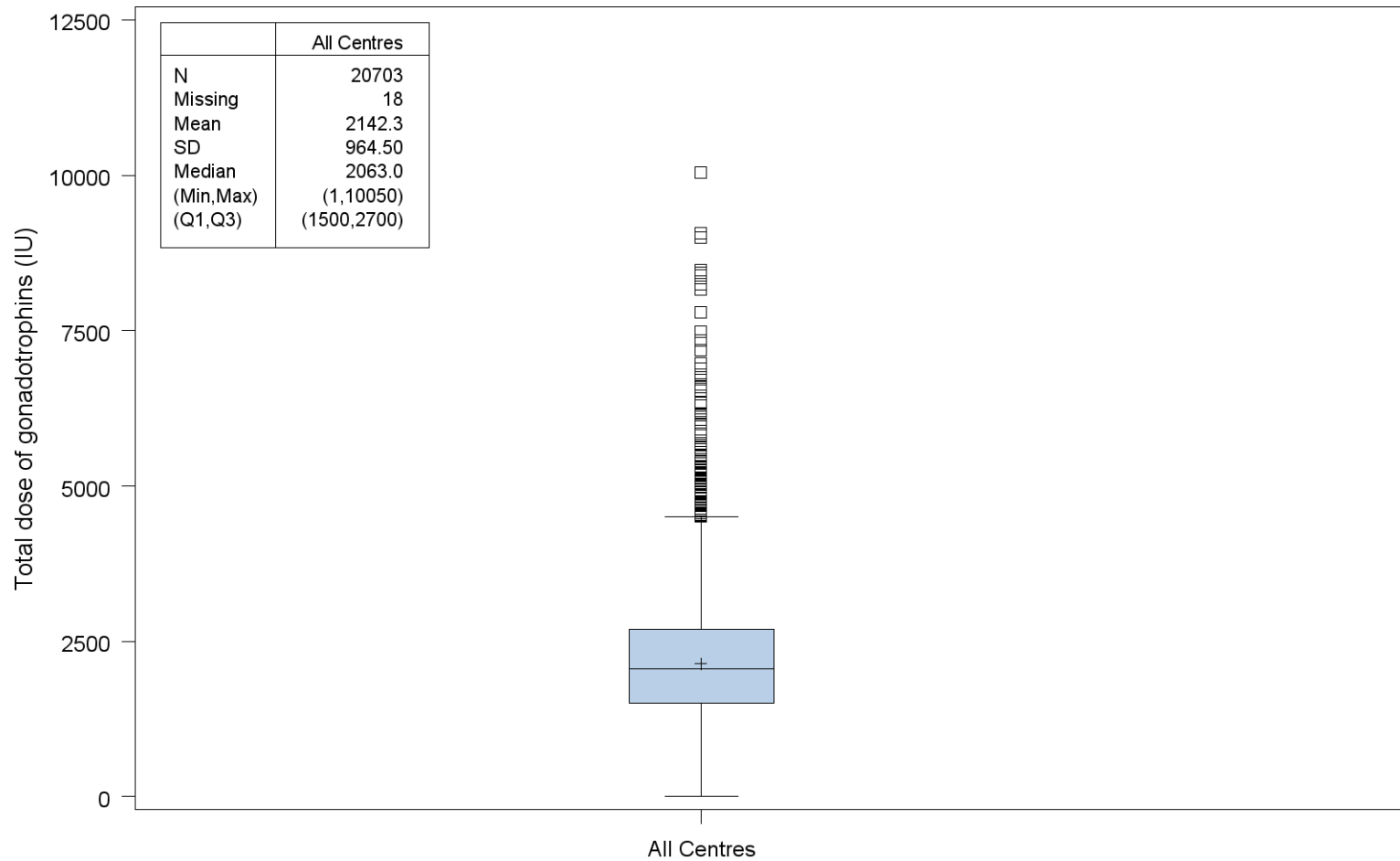
Patients can receive different medications.

**Figure 2.10 Own fresh cycles: Total dose of gonadotrophins administered (percentiles)**



Long acting FSH is counted as a gonadotrophins dose of 1540 I.U.  
 For Rekovelle, dose in mcg was multiplied with 25 to get the dose in I.U.

**Figure 2.11 Own fresh cycles: Total dose of gonadotrophins administered (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.

Long acting FSH is counted as a gonadotrophins dose of 1540 I.U.

For Rekovelle, dose in mcg was multiplied with 25 to get the dose in I.U.

**Table 2.12 Own fresh cycles: Methods of fertilization**

	<b>Statistic</b>	<b>All Centres (N=18421, Missing=409)</b>
Method of fertilization		
IVF	n/N (%)	2452/18421 ( 13.31%)
ICSI	n/N (%)	14202/18421 ( 77.10%)
Mixed (IVF + ICSI)	n/N (%)	1767/18421 ( 9.59%)

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

**Table 2.13 Own fresh cycles: ICSI method sperm from partner**

Sperm	All Centres (N=10718, Missing=950)	
	Fresh sperm	
	N	%
<b>Ejaculated</b>	10572	98.64
<b>Surgically retrieved</b>	146	1.36
<b>Total</b>	10718	100.00

No data for thawed sperm available.



**Table 2.14 Own fresh cycles: Transfers by age and rank categories**

Age (yrs)	<36					[36-40[					[40-43[					>=43	Total	
	Rank	1	2	3-6	>=7	Total	1	2	3-6	>=7	Total	1	2	3-6	>=7	Total	Total	Total
<b>All Centres (N=17919, Missing=1468)</b>																		
Aspirations	5047	2461	2228	37	9773	1656	1018	1496	64	4234	1082	761	1409	73	3325	587	17919	
Transfers	2969	1556	1385	25	5935	1105	710	1014	44	2873	754	557	1003	48	2362	402	11572	
Embryos transferred																		
1	2948	1245	875	8	5076	923	503	647	28	2101	512	327	530	19	1388	205	8770	
2	15	310	507	16	848	181	205	317	12	715	206	186	379	21	792	137	2492	
3	0	0	1	1	2	1	2	48	4	55	35	41	88	7	171	54	282	
>3	2	1	1	0	4	0	0	2	0	2	1	3	6	1	11	6	23	
Unknown	4	0	1	0	5	0	0	0	0	0	0	0	0	0	0	0	5	

**Table 2.15 Own fresh cycles: Transfers by social security**

<b>All Centres (N=21525, Missing=0)</b>			
	<b>With social security</b>	<b>Without social security</b>	<b>Total</b>
Initiated cycles	18834	2691	21525
Aspirations	17045	2342	19387
Transfers	10611	1274	11885
Embryos transferred			
1	8093	937	9030
2	2250	290	2540
3	246	41	287
>3	17	6	23
Unknown	5	0	5

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

All Centres (N=5930, Missing=82)

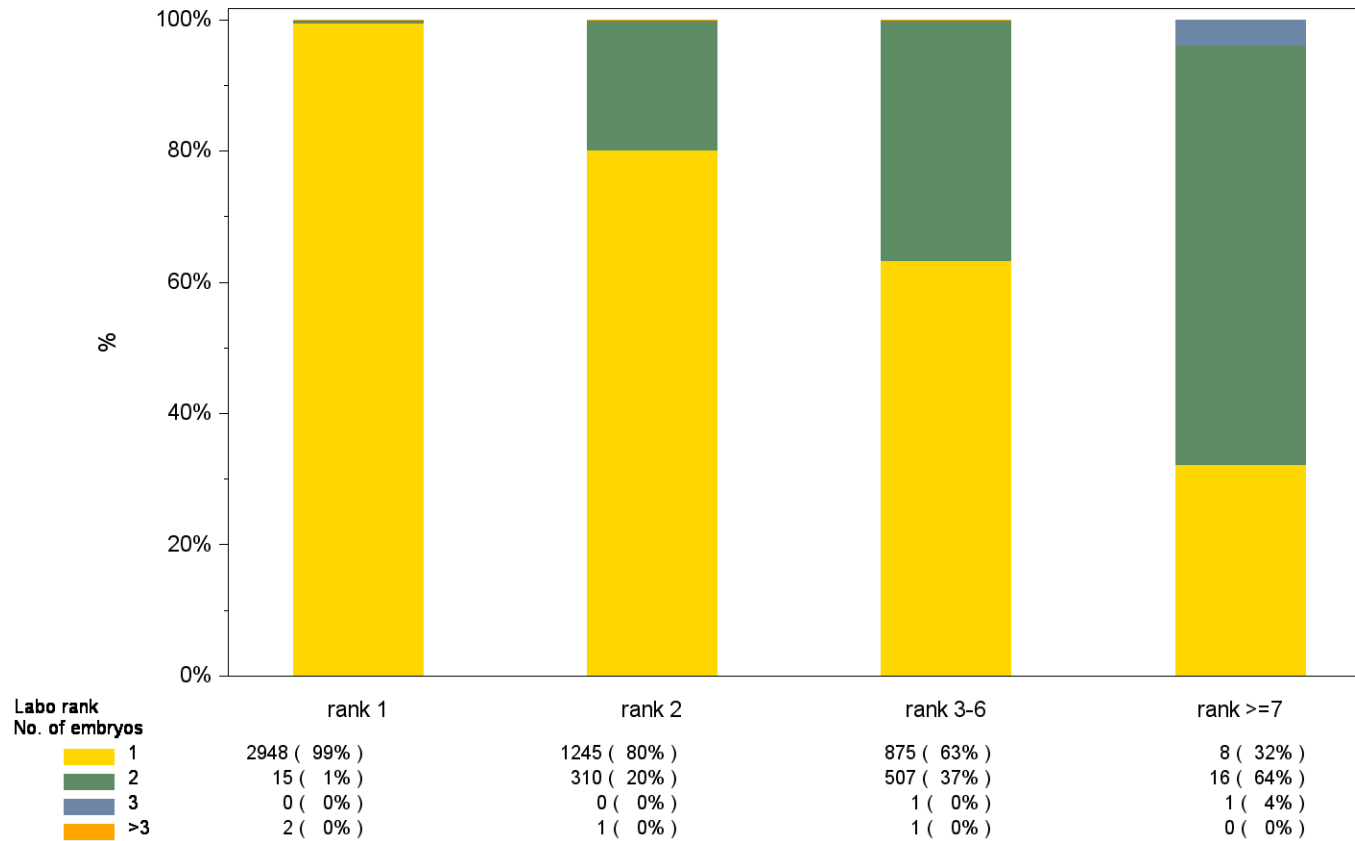


Figure 2.17 Own fresh cycles: Embryos transferred women 36-39 years old

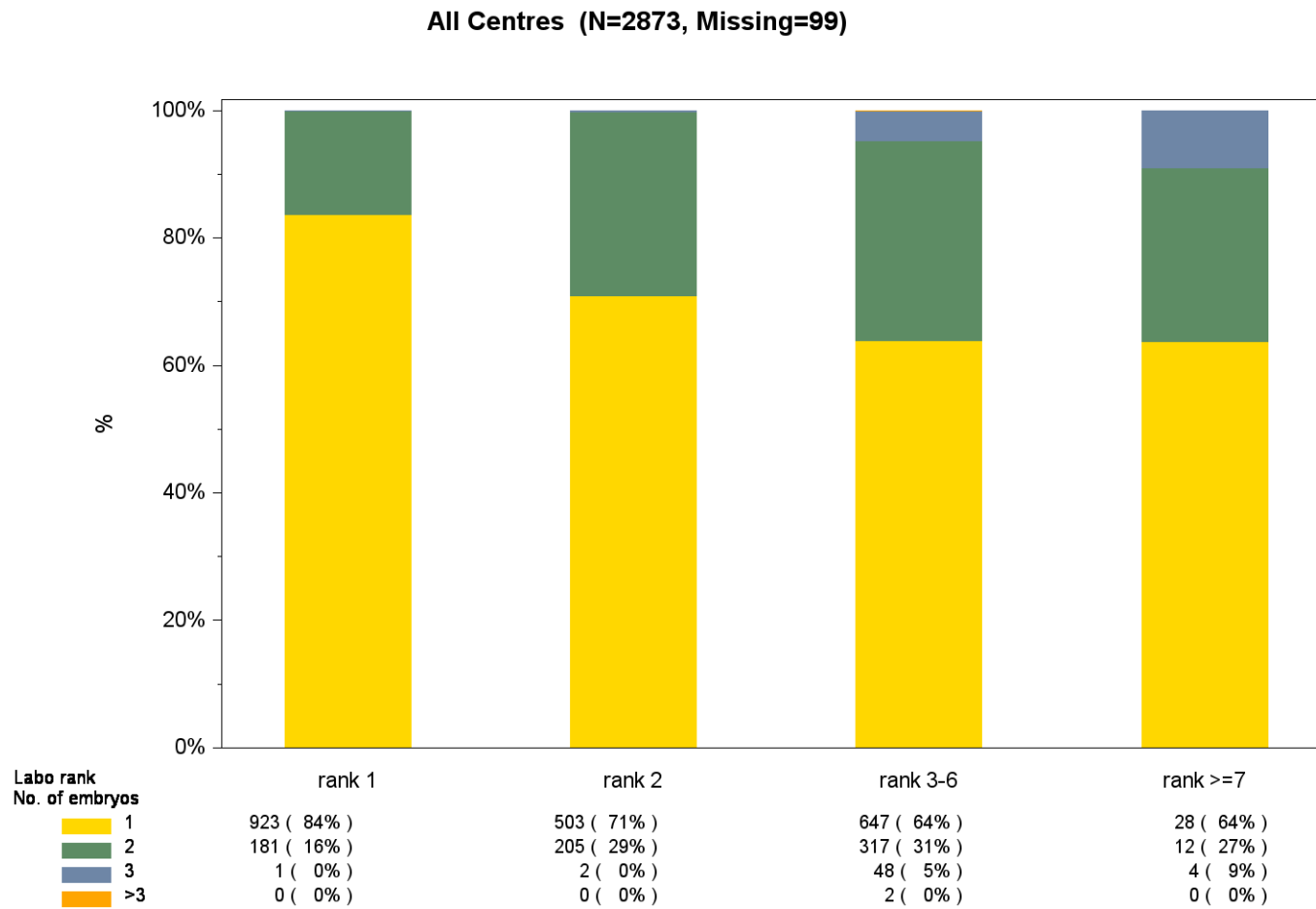
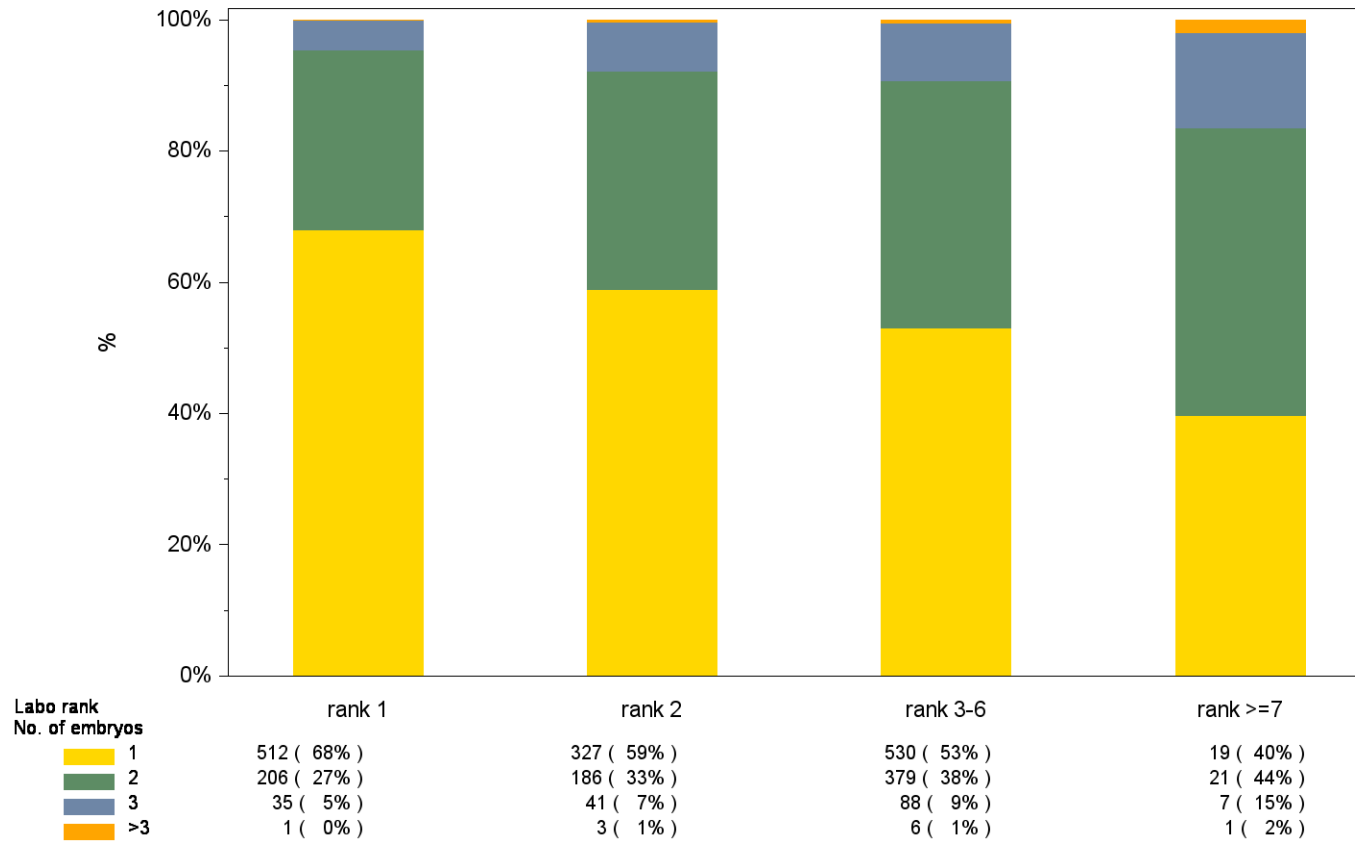


Figure 2.18 Own fresh cycles: Embryos transferred women 40-42 years old

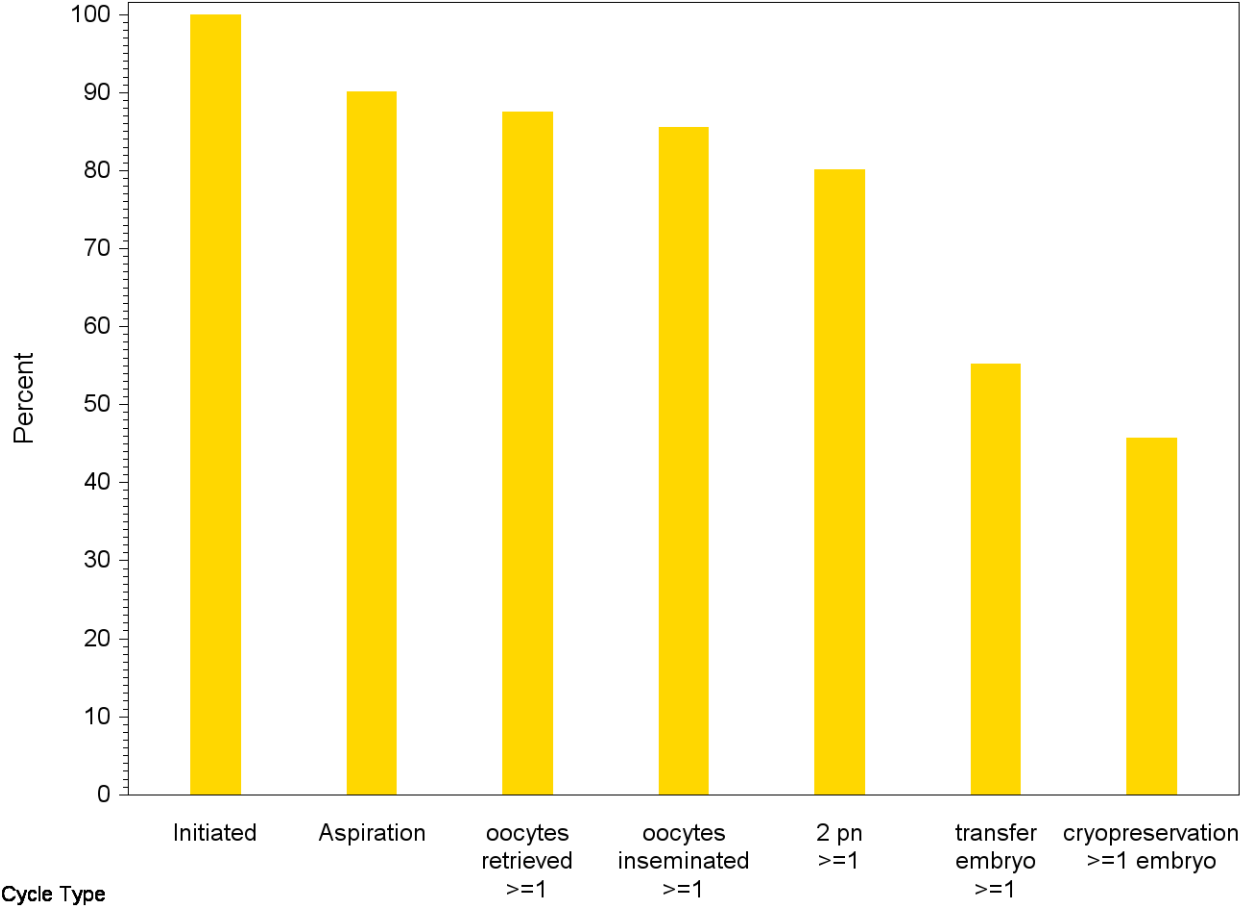
All Centres (N=2362, Missing=87)



**Table 2.19 Own fresh cycles: Laboratory data**

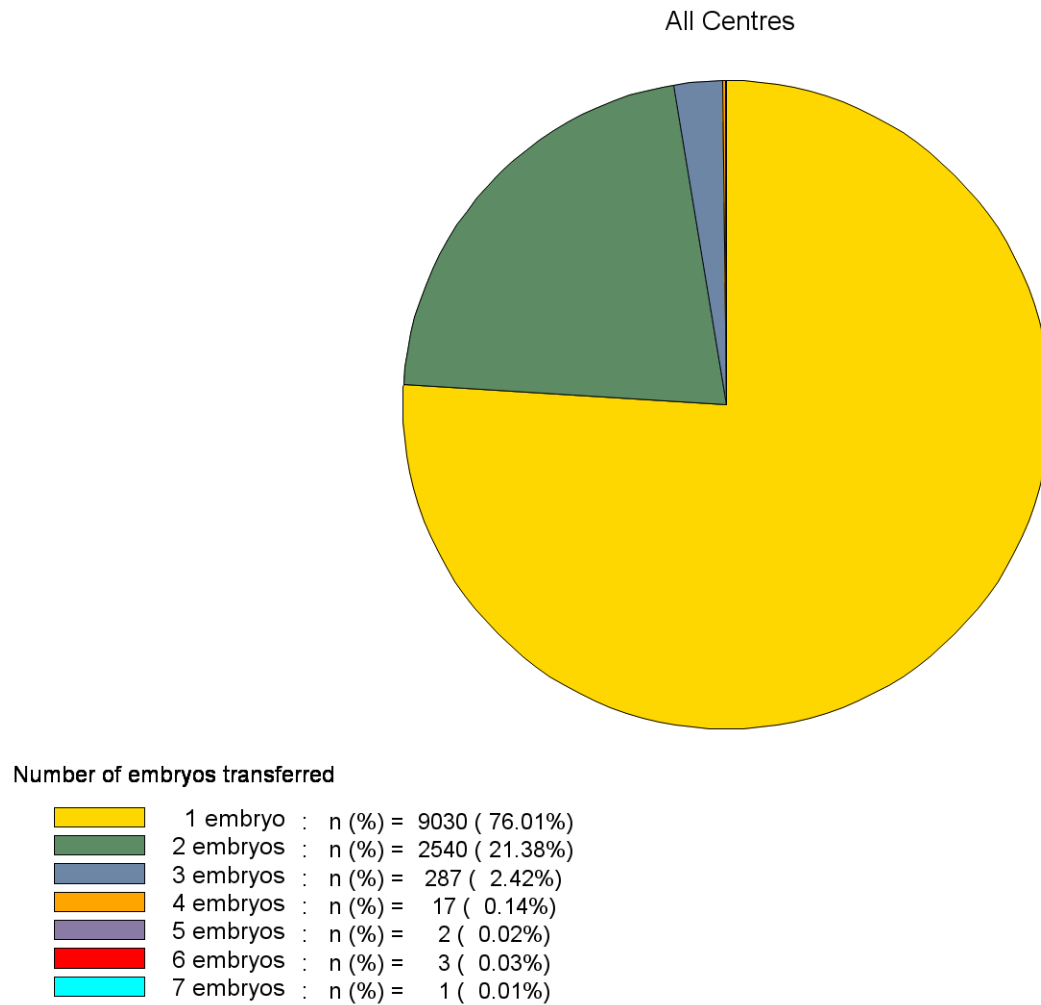
<b>All Centres (N=19387, Missing=0)</b>						
	<b>Oocytes retrieved</b>	<b>Oocytes inseminated (IVF, ICSI or mixed)</b>	<b>2 PN oocytes</b>	<b>Transferred embryos</b>	<b>Cryopreserved embryos</b>	
n	173289	141201	96167	15074	30713	
%	100.0%	81.5%	55.5%	8.7%	17.7%	
mean per pick-up	8.9	7.3	5.0	0.8	1.6	

**Figure 2.20 Own fresh cycles: Summary pick-up cycles**



No. of Cycles (%)							
All Centres	21525 ( 100% )	19387 ( 90% )	18830 ( 87% )	18421 ( 86% )	17240 ( 80% )	11885 ( 55% )	9833 ( 46% )

Figure 2.21 Own fresh cycles: Distribution of embryo transfers



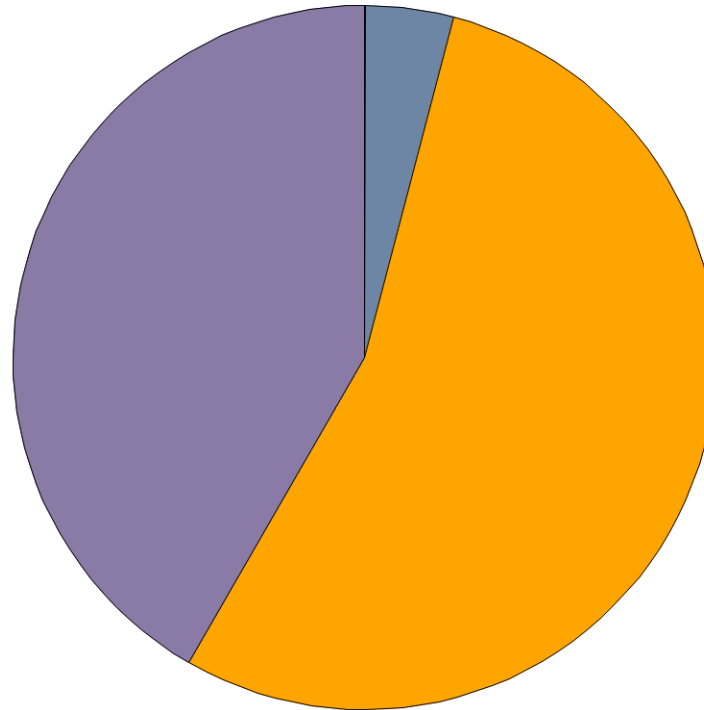


**Table 2.22 Own fresh cycles: Cause of no fresh transfer**

	Statistic	All Centres (N=7377, Missing=0)	
		Cycles without embryos frozen	Cycles with all embryos frozen
<b>No fresh transfer</b>	N	3129	4248
No mature oocyte	n/N (%)	650/3129 ( 20.77% )	0/4248 ( 0.00% )
No sperm	n/N (%)	56/3129 ( 1.79% )	79/4248 ( 1.86% )
No transferable embryo available	n/N (%)	1825/3129 ( 58.33% )	82/4248 ( 1.93% )
OHSS risk	n/N (%)	36/3129 ( 1.15% )	1049/4248 ( 24.69% )
Elective Freeze-all	n/N (%)	446/3129 ( 14.25% )	1332/4248 ( 31.36% )
Unknown	n/N (%)	384/3129 ( 12.27% )	1742/4248 ( 41.01% )

Figure 2.23 Own fresh cycles: Day of embryo transfer

All Centres (N=11875, Missing=10)



Day of Embryo Transfer

Day 0	: n (%) = 3 ( 0.03%)
Day 1	: n (%) = 3 ( 0.03%)
Day 2	: n (%) = 479 ( 4.03%)
Day 3	: n (%) = 6444 ( 54.27%)
Day 4-5-6	: n (%) = 4946 ( 41.65%)

**Table 2.24 Own fresh cycles: Cycles with embryo cryopreservation**

	<b>All Centres (N=18707, Missing=123)</b>
<b>Number of cycles with cryopreservation</b>	9833/18707 ( 53% )
<b>Number of embryos per cryopreservation procedure</b>	
Median	2.0
(Q1,Q3)	(1.0; 4.0)
<b>Stage of the cryopreserved embryos</b>	
2 PN	10/30713 ( 0% )
Cleaved	4053/30713 ( 13% )
Blastocysts	26650/30713 ( 87% )

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

**Table 2.25 Own fresh cycles: Number of HCG+ pregnancies**

<b>Cycle</b>	<b>All Centres</b>
Aspirations	19382
Transfers	11880
HCG + per aspiration cycle	4503/19343 (23.3%) (23.2% - 23.4%)
HCG + per aspiration cycle excl. freeze all cycles	4503/15095 (29.8%) (29.8% - 30.0%)
HCG + per embryo transfer	4503/11841 (38.0%) (37.9% - 38.2%)

NA=no cycles with data available.

Results do not include surrogate cycles.

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 2.26 Own fresh cycles: Number of clinical pregnancies**

<b>Cycle</b>	<b>All Centres</b>
Aspirations	19382
Transfers	11880
Clinical Pregnancy per aspiration cycle	3383/18948 (17.9%) (17.5% - 19.7%)
Clinical Pregnancy per aspiration cycle excl. freeze all cycles	3383/14700 (23.0%) (22.4% - 25.2%)
Clinical Pregnancy per embryo transfer	3383/11446 (29.6%) (28.5% - 32.1%)

NA=no cycles with data available.

Results do not include surrogate cycles.

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 2.27 Own fresh cycles: Number of clinical pregnancies including FHB**

<b>Cycle</b>	<b>All Centres</b>
Aspirations	19382
Transfers	11880
FHB: 1/2/3	3177/21
Clinical Pregnancy + FHB per aspiration cycle	3198/18978 (16.9%) (16.5% - 18.6%)
Clinical Pregnancy + FHB per aspiration cycle excl. freeze all cycles	3198/14730 (21.7%) (21.1% - 23.8%)
Clinical Pregnancy + FHB per embryo transfer	3198/11476 (27.9%) (26.9% - 30.3%)

NA=no cycles with data available.

Results do not include surrogate cycles.

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 2.28 Own fresh cycles: Number of deliveries**

<b>Cycle</b>	<b>All Centres</b>
Aspirations	19382
Transfers	11880
Number per delivery: 1/2/3	2405/135/2
Delivery rate per aspiration cycle	2544/18934 (13.4%) (13.1% - 15.4%)
Delivery rate per aspiration cycle excl. freeze all cycles	2544/14686 (17.3%) (16.8% - 19.8%)
Delivery rate per embryo transfer	2544/11432 (22.3%) (21.4% - 25.2%)

NA=no cycles with data available.

Results do not include surrogate cycles.

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 2.29 Own fresh cycles: Number of HCG+ pregnancies according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>&lt; 36 (yrs)</b>					
<b>All Centres (N=9768, Missing=422)</b>					
Aspirations	5043	2461	2227	37	9768
Transfers	2965	1556	1384	25	5930
HCG + per aspiration cycle	1429/5037 (28.4%) (28.3% - 28.5%)	719/2459 (29.2%) (29.2% - 29.3%)	642/2224 (28.9%) (28.8% - 29.0%)	3/37 (8.1%) (8.1% - 8.1%)	2793/9757 (28.6%) (28.6% - 28.7%)
HCG + per aspiration cycle excl. freeze all cycles	1429/3349 (42.7%) (42.6% - 42.8%)	719/1761 (40.8%) (40.8% - 40.9%)	642/1631 (39.4%) (39.3% - 39.5%)	3/28 (10.7%) (10.7% - 10.7%)	2793/6769 (41.3%) (41.2% - 41.4%)
HCG + per embryo transfer	1429/2959 (48.3%) (48.2% - 48.4%)	719/1554 (46.3%) (46.2% - 46.3%)	642/1381 (46.5%) (46.4% - 46.6%)	3/25 (12.0%) (12.0% - 12.0%)	2793/5919 (47.2%) (47.1% - 47.3%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.29 Own fresh cycles: Number of HCG+ pregnancies according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>[36-40[ (yrs)</b>					
<b>All Centres (N=4234, Missing=423)</b>					
Aspirations	1656	1018	1496	64	4234
Transfers	1105	710	1014	44	2873
HCG + per aspiration cycle	412/1653 (24.9%) (24.9% - 25.1%)	254/1015 (25.0%) (25.0% - 25.2%)	340/1491 (22.8%) (22.7% - 23.1%)	14/64 (21.9%) (21.9% - 21.9%)	1020/4223 (24.2%) (24.1% - 24.4%)
HCG + per aspiration cycle excl. freeze all cycles	412/1289 (32.0%) (31.9% - 32.1%)	254/839 (30.3%) (30.2% - 30.5%)	340/1231 (27.6%) (27.5% - 27.9%)	14/54 (25.9%) (25.9% - 25.9%)	1020/3413 (29.9%) (29.8% - 30.1%)
HCG + per embryo transfer	412/1102 (37.4%) (37.3% - 37.6%)	254/707 (35.9%) (35.8% - 36.2%)	340/1009 (33.7%) (33.5% - 34.0%)	14/44 (31.8%) (31.8% - 31.8%)	1020/2862 (35.6%) (35.5% - 35.9%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.29 Own fresh cycles: Number of HCG+ pregnancies according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>[40-43[ (yrs)</b>					
<b>All Centres (N=3325, Missing=465)</b>					
Aspirations	1082	761	1409	73	3325
Transfers	754	557	1003	48	2362
HCG + per aspiration cycle	167/1078 (15.5%) (15.4% - 15.8%)	146/759 (19.2%) (19.2% - 19.4%)	216/1404 (15.4%) (15.3% - 15.7%)	10/72 (13.9%) (13.7% - 15.1%)	539/3313 (16.3%) (16.2% - 16.6%)
HCG + per aspiration cycle excl. freeze all cycles	167/942 (17.7%) (17.7% - 18.1%)	146/682 (21.4%) (21.3% - 21.6%)	216/1272 (17.0%) (16.9% - 17.3%)	10/65 (15.4%) (15.2% - 16.7%)	539/2961 (18.2%) (18.1% - 18.5%)
HCG + per embryo transfer	167/750 (22.3%) (22.1% - 22.7%)	146/555 (26.3%) (26.2% - 26.6%)	216/998 (21.6%) (21.5% - 22.0%)	10/47 (21.3%) (20.8% - 22.9%)	539/2350 (22.9%) (22.8% - 23.3%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.29 Own fresh cycles: Number of HCG+ pregnancies according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>&gt;=43 (yrs)</b>					
<b>All Centres (N=587, Missing=158)</b>					
Aspirations	156	114	264	53	587
Transfers	105	82	184	31	402
HCG + per aspiration cycle	20/153 (13.1%) (12.8% - 14.7%)	15/114 (13.2%) (13.2% - 13.2%)	30/263 (11.4%) (11.4% - 11.7%)	1/52 (1.9%) (1.9% - 3.8%)	66/582 (11.3%) (11.2% - 12.1%)
HCG + per aspiration cycle excl. freeze all cycles	20/139 (14.4%) (14.1% - 16.2%)	15/103 (14.6%) (14.6% - 14.6%)	30/238 (12.6%) (12.6% - 13.0%)	1/51 (2.0%) (1.9% - 3.8%)	66/531 (12.4%) (12.3% - 13.2%)
HCG + per embryo transfer	20/102 (19.6%) (19.0% - 21.9%)	15/82 (18.3%) (18.3% - 18.3%)	30/183 (16.4%) (16.3% - 16.8%)	1/30 (3.3%) (3.2% - 6.5%)	66/397 (16.6%) (16.4% - 17.7%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.30 Own fresh cycles: Number of clinical pregnancies according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>&lt; 36 (yrs)</b>					
<b>All Centres (N=9768, Missing=422)</b>					
Aspirations	5043	2461	2227	37	9768
Transfers	2965	1556	1384	25	5930
Clinical Pregnancy per aspiration cycle	1171/4956 (23.6%) (23.2% - 24.9%)	544/2401 (22.7%) (22.1% - 24.5%)	493/2179 (22.6%) (22.1% - 24.3%)	2/37 (5.4%) (5.4% - 5.4%)	2210/9573 (23.1%) (22.6% - 24.6%)
Clinical Pregnancy per aspiration cycle excl. freeze all cycles	1171/3268 (35.8%) (34.9% - 37.5%)	544/1703 (31.9%) (30.9% - 34.3%)	493/1586 (31.1%) (30.2% - 33.1%)	2/28 (7.1%) (7.1% - 7.1%)	2210/6585 (33.6%) (32.6% - 35.5%)
Clinical Pregnancy per embryo transfer	1171/2878 (40.7%) (39.5% - 42.4%)	544/1496 (36.4%) (35.0% - 38.8%)	493/1336 (36.9%) (35.6% - 39.1%)	2/25 (8.0%) (8.0% - 8.0%)	2210/5735 (38.5%) (37.3% - 40.6%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.30 Own fresh cycles: Number of clinical pregnancies according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>[36-40[ (yrs)</b>					
<b>All Centres (N=4234, Missing=423)</b>					
Aspirations	1656	1018	1496	64	4234
Transfers	1105	710	1014	44	2873
Clinical Pregnancy per aspiration cycle	306/1617 (18.9%) (18.5% - 20.8%)	183/990 (18.5%) (18.0% - 20.7%)	224/1442 (15.5%) (15.0% - 18.6%)	11/64 (17.2%) (17.2% - 17.2%)	724/4113 (17.6%) (17.1% - 20.0%)
Clinical Pregnancy per aspiration cycle excl. freeze all cycles	306/1253 (24.4%) (23.7% - 26.7%)	183/814 (22.5%) (21.7% - 25.1%)	224/1182 (19.0%) (18.1% - 22.5%)	11/54 (20.4%) (20.4% - 20.4%)	724/3303 (21.9%) (21.1% - 24.7%)
Clinical Pregnancy per embryo transfer	306/1066 (28.7%) (27.7% - 31.2%)	183/682 (26.8%) (25.8% - 29.7%)	224/960 (23.3%) (22.1% - 27.4%)	11/44 (25.0%) (25.0% - 25.0%)	724/2752 (26.3%) (25.2% - 29.4%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.30 Own fresh cycles: Number of clinical pregnancies according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>[40-43[ (yrs)</b>					
<b>All Centres (N=3325, Missing=465)</b>					
Aspirations	1082	761	1409	73	3325
Transfers	754	557	1003	48	2362
Clinical Pregnancy per aspiration cycle	117/1058 (11.1%) (10.8% - 13.0%)	101/742 (13.6%) (13.3% - 15.8%)	131/1368 (9.6%) (9.3% - 12.2%)	6/71 (8.5%) (8.2% - 11.0%)	355/3239 (11.0%) (10.7% - 13.3%)
Clinical Pregnancy per aspiration cycle excl. freeze all cycles	117/922 (12.7%) (12.4% - 14.9%)	101/665 (15.2%) (14.8% - 17.5%)	131/1236 (10.6%) (10.3% - 13.5%)	6/64 (9.4%) (9.1% - 12.1%)	355/2887 (12.3%) (11.9% - 14.8%)
Clinical Pregnancy per embryo transfer	117/730 (16.0%) (15.5% - 18.7%)	101/538 (18.8%) (18.1% - 21.5%)	131/962 (13.6%) (13.1% - 17.1%)	6/46 (13.0%) (12.5% - 16.7%)	355/2276 (15.6%) (15.0% - 18.7%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.30 Own fresh cycles: Number of clinical pregnancies according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>&gt;=43 (yrs)</b>					
<b>All Centres (N=587, Missing=158)</b>					
Aspirations	156	114	264	53	587
Transfers	105	82	184	31	402
Clinical Pregnancy per aspiration cycle	13/149 (8.7%) (8.3% - 12.8%)	8/111 (7.2%) (7.0% - 9.6%)	18/260 (6.9%) (6.8% - 8.3%)	1/52 (1.9%) (1.9% - 3.8%)	40/572 (7.0%) (6.8% - 9.4%)
Clinical Pregnancy per aspiration cycle excl. freeze all cycles	13/135 (9.6%) (9.2% - 14.1%)	8/100 (8.0%) (7.8% - 10.7%)	18/235 (7.7%) (7.5% - 9.2%)	1/51 (2.0%) (1.9% - 3.8%)	40/521 (7.7%) (7.5% - 10.3%)
Clinical Pregnancy per embryo transfer	13/98 (13.3%) (12.4% - 19.0%)	8/79 (10.1%) (9.8% - 13.4%)	18/180 (10.0%) (9.8% - 12.0%)	1/30 (3.3%) (3.2% - 6.5%)	40/387 (10.3%) (10.0% - 13.7%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.31 Own fresh cycles: Number of clinical pregnancies including FHB according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>&lt; 36 (yrs)</b>					
<b>All Centres (N=9768, Missing=422)</b>					
Aspirations	5043	2461	2227	37	9768
Transfers	2965	1556	1384	25	5930
FHB: 1/2/3	1123/2	516/6	478/2	2/0	2119/10
Clinical Pregnancy + FHB per aspiration cycle	1125/4963 (22.7%) (22.3% - 23.9%)	522/2411 (21.7%) (21.2% - 23.2%)	480/2184 (22.0%) (21.6% - 23.5%)	2/37 (5.4%) (5.4% - 5.4%)	2129/9595 (22.2%) (21.8% - 23.6%)
Clinical Pregnancy + FHB per aspiration cycle excl. freeze all cycles	1125/3275 (34.4%) (33.5% - 35.9%)	522/1713 (30.5%) (29.6% - 32.4%)	480/1591 (30.2%) (29.4% - 32.0%)	2/28 (7.1%) (7.1% - 7.1%)	2129/6607 (32.2%) (31.4% - 34.0%)
Clinical Pregnancy + FHB per embryo transfer	1125/2885 (39.0%) (37.9% - 40.6%)	522/1506 (34.7%) (33.5% - 36.8%)	480/1341 (35.8%) (34.7% - 37.8%)	2/25 (8.0%) (8.0% - 8.0%)	2129/5757 (37.0%) (35.9% - 38.8%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.31 Own fresh cycles: Number of clinical pregnancies including FHB according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>[36-40[ (yrs)</b>					
<b>All Centres (N=4234, Missing=423)</b>					
Aspirations	1656	1018	1496	64	4234
Transfers	1105	710	1014	44	2873
FHB: 1/2/3	286/1	164/5	213/1	11/0	674/7
Clinical Pregnancy + FHB per aspiration cycle	287/1619 (17.7%) (17.3% - 19.6%)	169/989 (17.1%) (16.6% - 19.4%)	214/1446 (14.8%) (14.3% - 17.6%)	11/64 (17.2%) (17.2% - 17.2%)	681/4118 (16.5%) (16.1% - 18.8%)
Clinical Pregnancy + FHB per aspiration cycle excl. freeze all cycles	287/1255 (22.9%) (22.2% - 25.1%)	169/813 (20.8%) (20.1% - 23.5%)	214/1186 (18.0%) (17.3% - 21.4%)	11/54 (20.4%) (20.4% - 20.4%)	681/3308 (20.6%) (19.9% - 23.3%)
Clinical Pregnancy + FHB per embryo transfer	287/1068 (26.9%) (26.0% - 29.3%)	169/681 (24.8%) (23.8% - 27.9%)	214/964 (22.2%) (21.1% - 26.0%)	11/44 (25.0%) (25.0% - 25.0%)	681/2757 (24.7%) (23.7% - 27.7%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.31 Own fresh cycles: Number of clinical pregnancies including FHB according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>[40-43[ (yrs)</b>					
<b>All Centres (N=3325, Missing=465)</b>					
Aspirations	1082	761	1409	73	3325
Transfers	754	557	1003	48	2362
FHB: 1/2/3	98/1	80/2	116/1	6/0	300/4
Clinical Pregnancy + FHB per aspiration cycle	99/1057 (9.4%) (9.1% - 11.5%)	82/741 (11.1%) (10.8% - 13.4%)	117/1373 (8.5%) (8.3% - 10.9%)	6/71 (8.5%) (8.2% - 11.0%)	304/3242 (9.4%) (9.1% - 11.6%)
Clinical Pregnancy + FHB per aspiration cycle excl. freeze all cycles	99/921 (10.7%) (10.5% - 13.1%)	82/664 (12.3%) (12.0% - 14.9%)	117/1241 (9.4%) (9.2% - 12.0%)	6/64 (9.4%) (9.1% - 12.1%)	304/2890 (10.5%) (10.2% - 13.0%)
Clinical Pregnancy + FHB per embryo transfer	99/729 (13.6%) (13.1% - 16.4%)	82/537 (15.3%) (14.7% - 18.3%)	117/967 (12.1%) (11.7% - 15.3%)	6/46 (13.0%) (12.5% - 16.7%)	304/2279 (13.3%) (12.9% - 16.4%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.31 Own fresh cycles: Number of clinical pregnancies including FHB according to age and rank**

<b>Rank</b>	<b>1</b>	<b>2</b>	<b>3-6</b>	<b>&gt;=7</b>	<b>Total</b>
<b>&gt;=43 (yrs)</b>					
<b>All Centres (N=587, Missing=158)</b>					
Aspirations	156	114	264	53	587
Transfers	105	82	184	31	402
FHB: 1/2/3	11/0	7/0	13/0	0/0	31/0
Clinical Pregnancy + FHB per aspiration cycle	11/149 (7.4%) (7.1% - 11.5%)	7/110 (6.4%) (6.1% - 9.6%)	13/261 (5.0%) (4.9% - 6.1%)	0/52 (0.0%) (0.0% - 1.9%)	31/572 (5.4%) (5.3% - 7.8%)
Clinical Pregnancy + FHB per aspiration cycle excl. freeze all cycles	11/135 (8.1%) (7.7% - 12.7%)	7/99 (7.1%) (6.8% - 10.7%)	13/236 (5.5%) (5.4% - 6.7%)	0/51 (0.0%) (0.0% - 1.9%)	31/521 (6.0%) (5.8% - 8.6%)
Clinical Pregnancy + FHB per embryo transfer	11/98 (11.2%) (10.5% - 17.1%)	7/78 (9.0%) (8.5% - 13.4%)	13/181 (7.2%) (7.1% - 8.7%)	0/30 (0.0%) (0.0% - 3.2%)	31/387 (8.0%) (7.7% - 11.4%)

NA=no cycles with data available. Results do not include surrogate cycles.

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 2.32 Own fresh cycles: Number of deliveries according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>&lt; 36 (yrs)</b>					
<b>All Centres (N=9768, Missing=422)</b>					
Aspirations	5043	2461	2227	37	9768
Transfers	2965	1556	1384	25	5930
Number per delivery: 1/2/3	945/9/0	402/35/1	352/42/0	2/0/0	1701/86/1
Delivery rate per aspiration cycle	954/4945 (19.3%) (18.9% - 20.9%)	438/2397 (18.3%) (17.8% - 20.4%)	394/2184 (18.0%) (17.7% - 19.6%)	2/37 (5.4%) (5.4% - 5.4%)	1788/9563 (18.7%) (18.3% - 20.4%)
Delivery rate per aspiration cycle excl. freeze all cycles	954/3257 (29.3%) (28.4% - 31.4%)	438/1699 (25.8%) (24.8% - 28.5%)	394/1591 (24.8%) (24.1% - 26.7%)	2/28 (7.1%) (7.1% - 7.1%)	1788/6575 (27.2%) (26.4% - 29.4%)
Delivery rate per embryo transfer	954/2867 (33.3%) (32.2% - 35.5%)	438/1492 (29.4%) (28.1% - 32.3%)	394/1341 (29.4%) (28.5% - 31.6%)	2/25 (8.0%) (8.0% - 8.0%)	1788/5725 (31.2%) (30.2% - 33.6%)

NA=no cycles with data available. Results do not include surrogate cycles.

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.

**Table 2.32 Own fresh cycles: Number of deliveries according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>[36-40] (yrs)</b>					
<b>All Centres (N=4234, Missing=423)</b>					
Aspirations	1656	1018	1496	64	4234
Transfers	1105	710	1014	44	2873
Number per delivery: 1/2/3	204/10/0	120/4/1	153/14/0	6/2/0	483/30/1
Delivery rate per aspiration cycle	216/1614 (13.4%) (13.0% - 15.6%)	125/987 (12.7%) (12.3% - 15.3%)	167/1441 (11.6%) (11.2% - 14.8%)	8/63 (12.7%) (12.5% - 14.1%)	516/4105 (12.6%) (12.2% - 15.2%)
Delivery rate per aspiration cycle excl. freeze all cycles	216/1250 (17.3%) (16.7% - 20.0%)	125/811 (15.4%) (14.8% - 18.5%)	167/1181 (14.1%) (13.5% - 18.0%)	8/53 (15.1%) (14.8% - 16.7%)	516/3295 (15.7%) (15.1% - 18.8%)
Delivery rate per embryo transfer	216/1063 (20.3%) (19.5% - 23.3%)	125/679 (18.4%) (17.6% - 22.0%)	167/959 (17.4%) (16.5% - 21.9%)	8/43 (18.6%) (18.2% - 20.5%)	516/2744 (18.8%) (18.0% - 22.5%)

NA=no cycles with data available. Results do not include surrogate cycles.

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.

**Table 2.32 Own fresh cycles: Number of deliveries according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>[40-43] (yrs)</b>					
<b>All Centres (N=3325, Missing=465)</b>					
Aspirations	1082	761	1409	73	3325
Transfers	754	557	1003	48	2362
Number per delivery: 1/2/3	60/2/0	46/8/0	67/6/0	2/1/0	175/17/0
Delivery rate per aspiration cycle	62/1059 (5.9%) (5.7% - 7.9%)	54/741 (7.3%) (7.1% - 9.7%)	73/1373 (5.3%) (5.2% - 7.7%)	3/71 (4.2%) (4.1% - 6.8%)	192/3244 (5.9%) (5.8% - 8.2%)
Delivery rate per aspiration cycle excl. freeze all cycles	62/923 (6.7%) (6.6% - 9.0%)	54/664 (8.1%) (7.9% - 10.8%)	73/1241 (5.9%) (5.7% - 8.5%)	3/64 (4.7%) (4.5% - 7.6%)	192/2892 (6.6%) (6.5% - 9.2%)
Delivery rate per embryo transfer	62/731 (8.5%) (8.2% - 11.3%)	54/537 (10.1%) (9.7% - 13.3%)	73/967 (7.5%) (7.3% - 10.9%)	3/46 (6.5%) (6.3% - 10.4%)	192/2281 (8.4%) (8.1% - 11.6%)

NA=no cycles with data available. Results do not include surrogate cycles.

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.

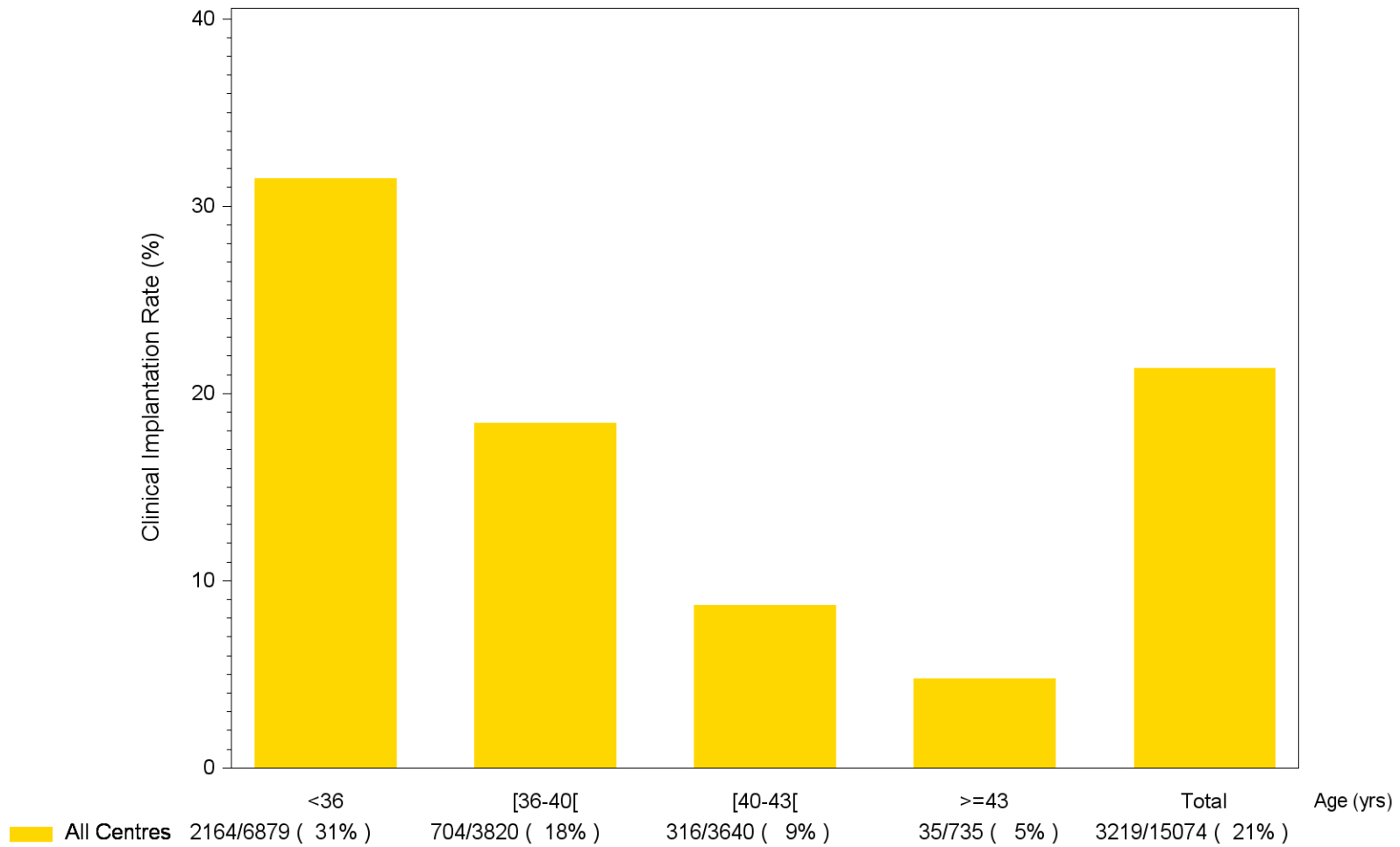
**Table 2.32 Own fresh cycles: Number of deliveries according to age and rank**

Rank	1	2	3-6	>=7	Total
<b>&gt;=43 (yrs)</b>					
<b>All Centres (N=587, Missing=158)</b>					
Aspirations	156	114	264	53	587
Transfers	105	82	184	31	402
Number per delivery: 1/2/3	8/0/0	2/1/0	6/1/0	0/0/0	16/2/0
Delivery rate per aspiration cycle	8/149 (5.4%) (5.1% - 9.6%)	3/111 (2.7%) (2.6% - 5.3%)	7/260 (2.7%) (2.7% - 4.2%)	0/52 (0.0%) (0.0% - 1.9%)	18/572 (3.1%) (3.1% - 5.6%)
Delivery rate per aspiration cycle excl. freeze all cycles	8/135 (5.9%) (5.6% - 10.6%)	3/100 (3.0%) (2.9% - 5.8%)	7/235 (3.0%) (2.9% - 4.6%)	0/51 (0.0%) (0.0% - 1.9%)	18/521 (3.5%) (3.4% - 6.2%)
Delivery rate per embryo transfer	8/98 (8.2%) (7.6% - 14.3%)	3/79 (3.8%) (3.7% - 7.3%)	7/180 (3.9%) (3.8% - 6.0%)	0/30 (0.0%) (0.0% - 3.2%)	18/387 (4.7%) (4.5% - 8.2%)

NA=no cycles with data available. Results do not include surrogate cycles.

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.

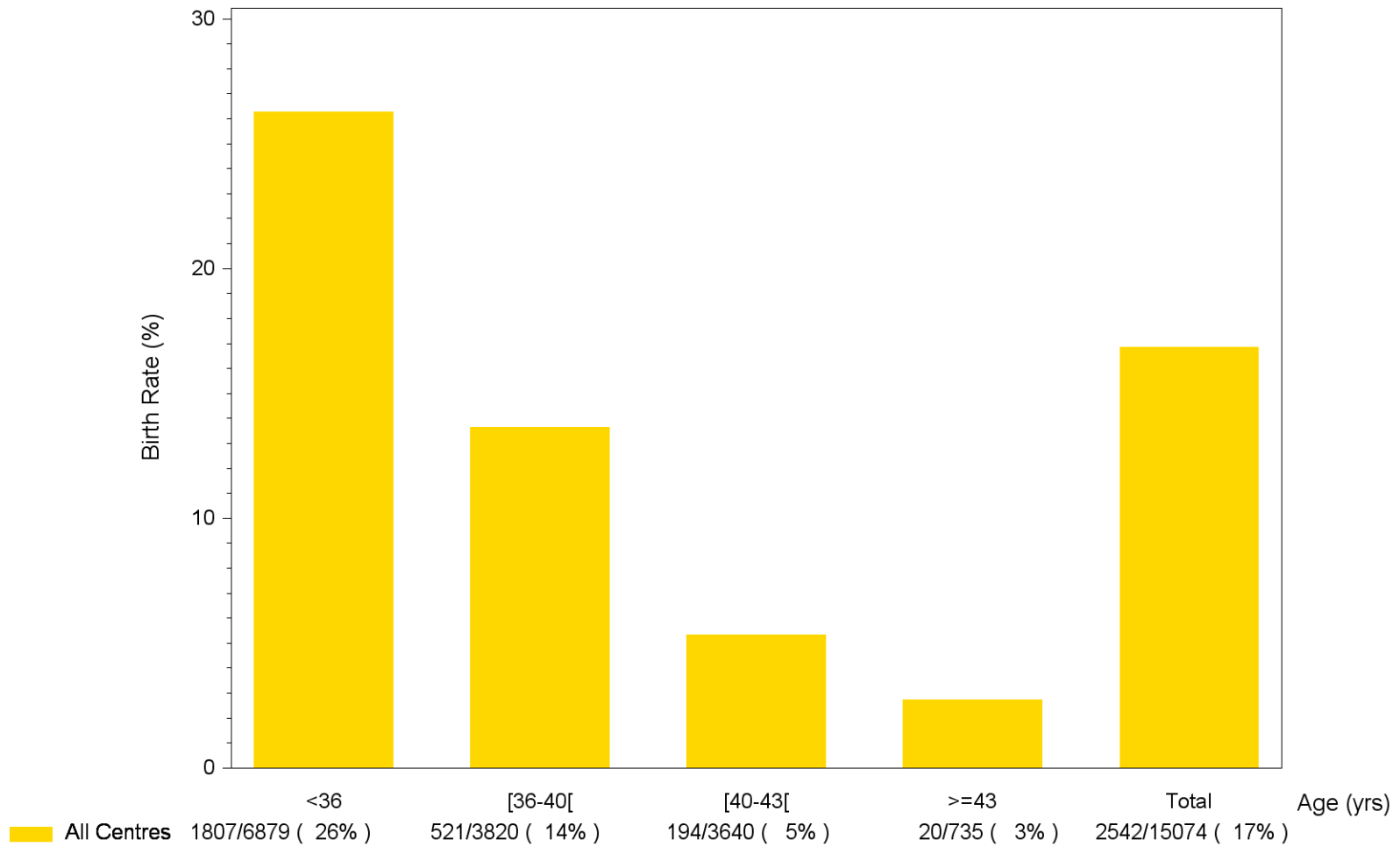
**Figure 2.33 Own fresh cycles: Clinical implantation rate (No. of FHB) per transferred embryo according to age**



n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available. Results do not include surrogate cycles.

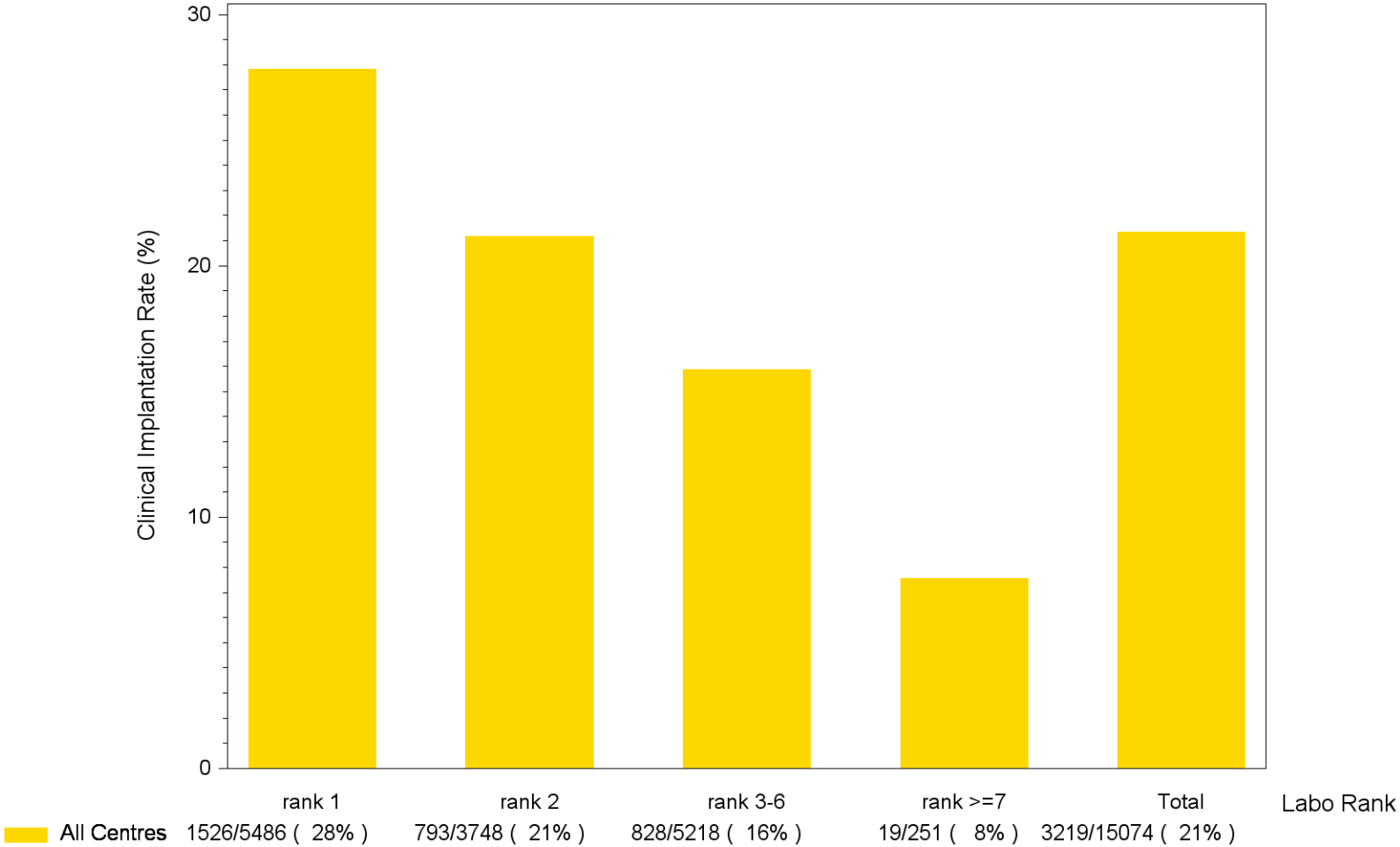


**Figure 2.34 Own fresh cycles: Birth rate per transferred embryo according to age**



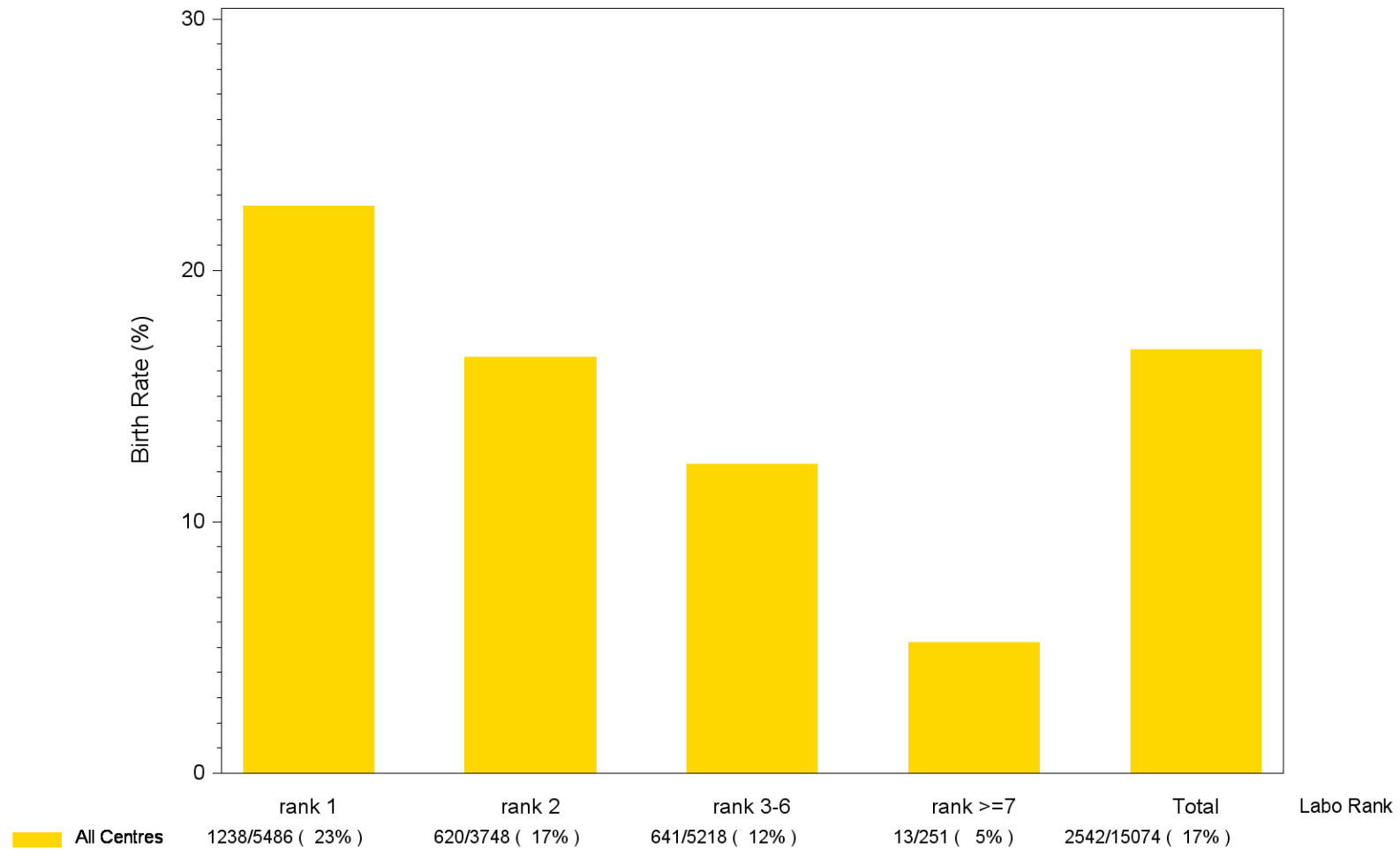
n/N (%) where n = Total number of babies; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available. Results do not include surrogate cycles.

Figure 2.35 Own fresh cycles: Clinical implantation rate (No. of FHB) per transferred embryo according to rank



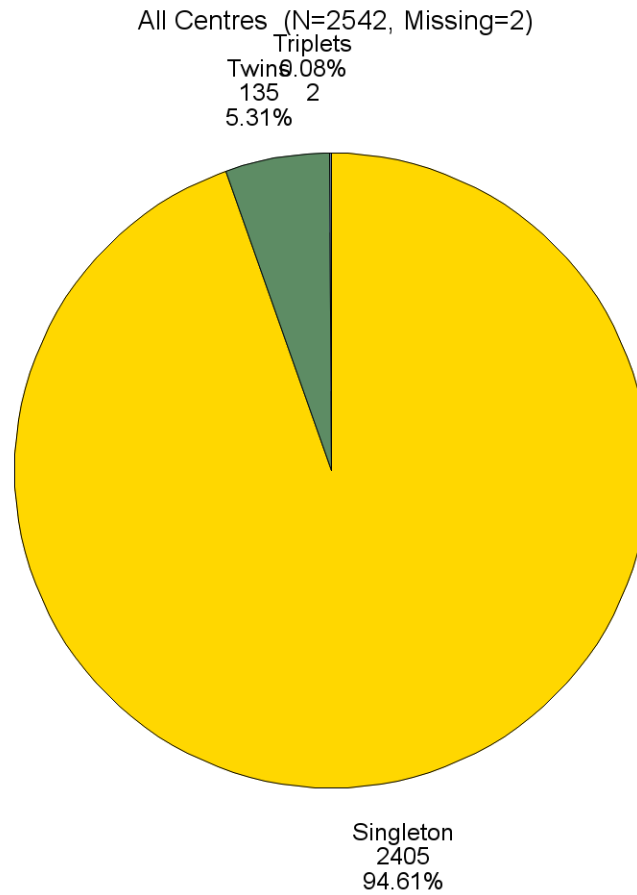
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available. Results do not include surrogate cycles.

**Figure 2.36 Own fresh cycles: Birth rate per transferred embryo according to rank**



n/N (%) where n = Total number of births; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available. Results do not include surrogate cycles.

Figure 2.37 Own fresh cycles: Number of deliveries



Deliveries of twins or triplets are only counted once. Results do not include surrogate cycles.

**Table 2.38 Own fresh cycles: Sex of babies**

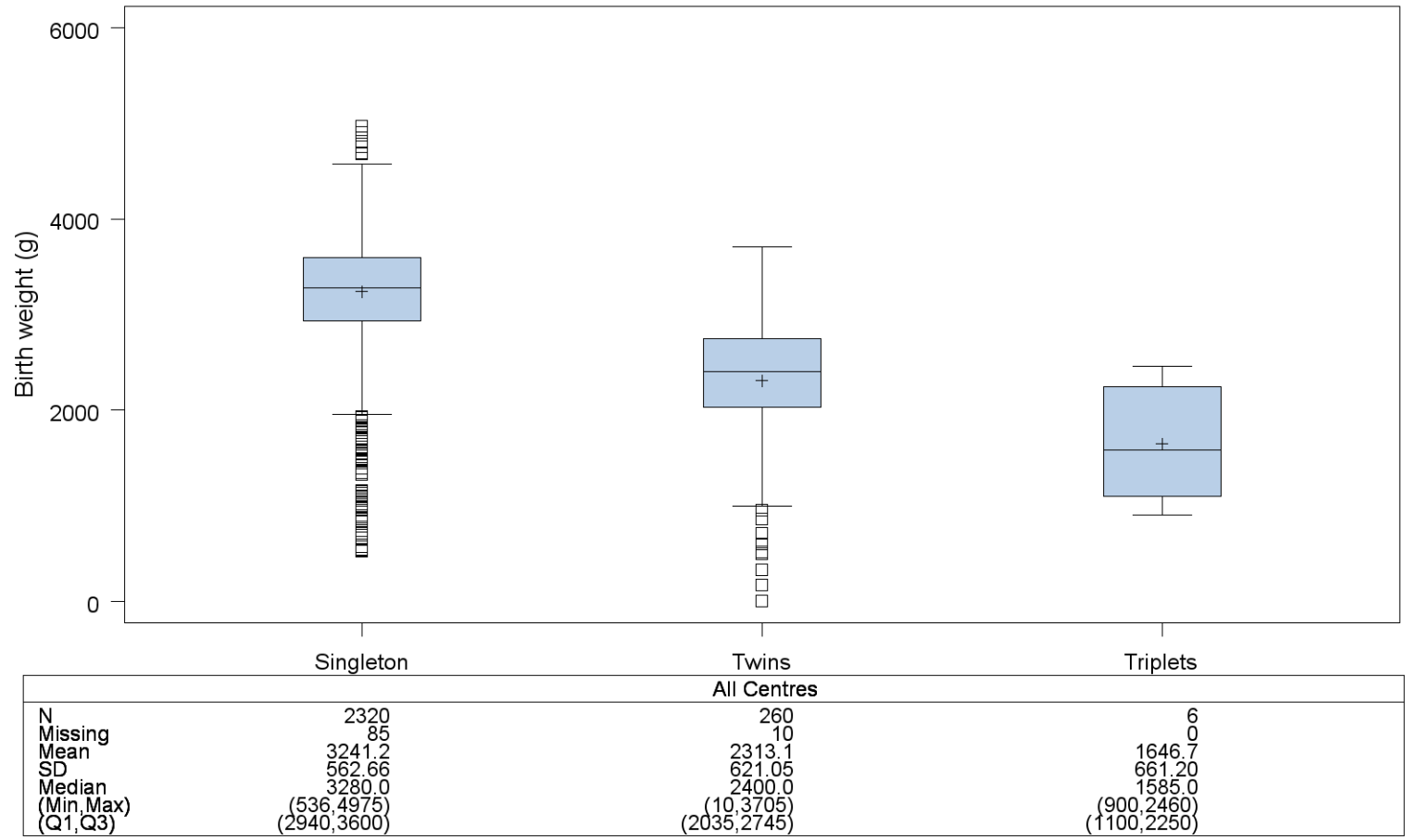
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<b>All Centres (N=2681, Missing=2)</b>	
<b>Sex of baby</b>	
Male	1326/2681 ( 49.46%)
Female	1306/2681 ( 48.71%)
Unknown	49/2681 ( 1.83%)

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Results do not include surrogate cycles.

**Figure 2.39 Own fresh cycles: Birth weight (boxplot)**

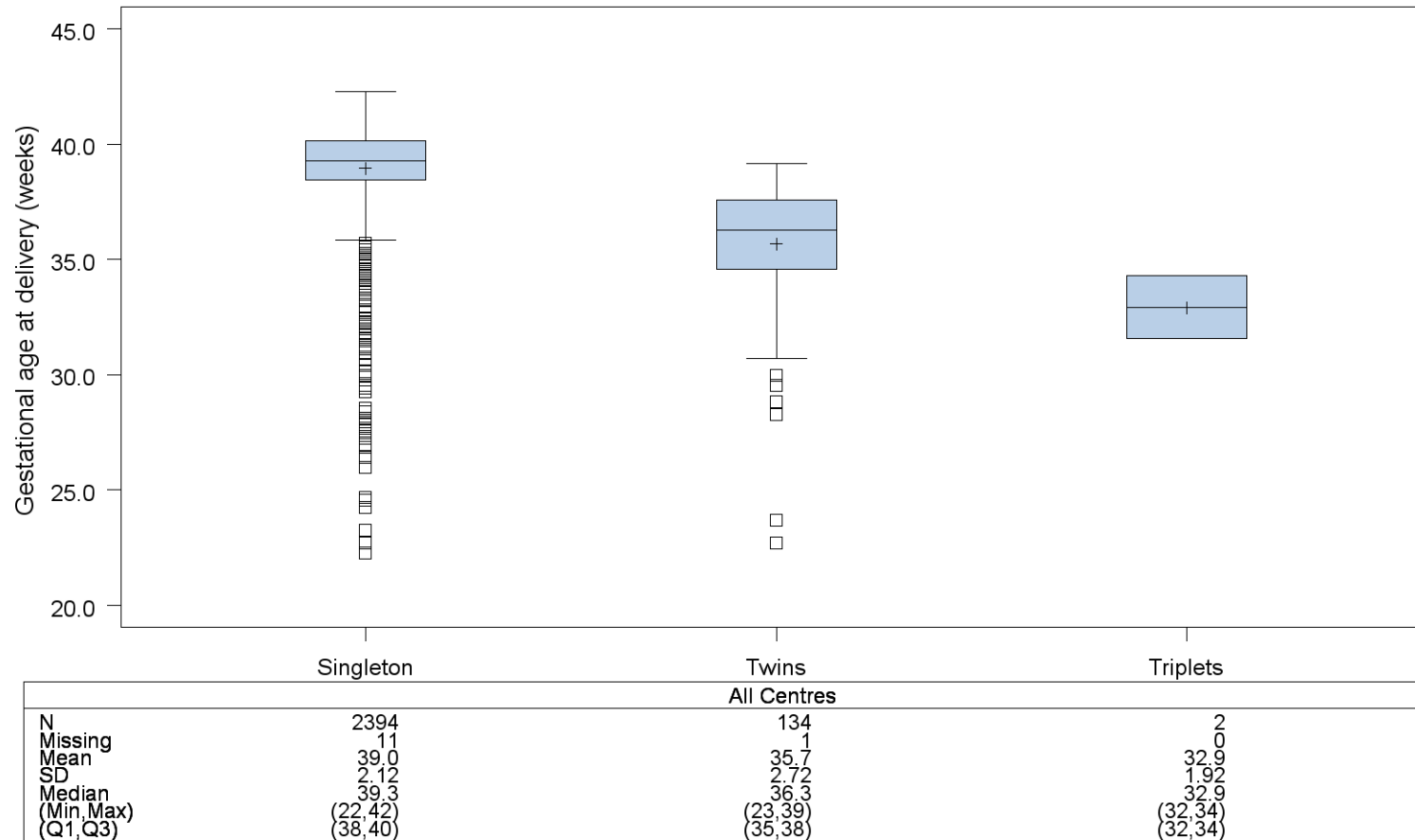


Box plot shows median and interquartile range. Whiskers are drawn at  $(Q3+1.5*IQR, Q1-1.5*IQR)$ .

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

Results do not include surrogate cycles.

**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.

Results do not include surrogate cycles.

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

Gestational age at delivery (weeks)	Type of pregnancy				Total birth events
	Single birth event	Twin birth event	Triplet birth event		
<b>All Centres (N=2530, Missing=14)</b>					
< 32	42 (1.8%)	12 (9.0%)	1 (50.0%)	55 (2.2%)	
[32-37[	173 (7.2%)	71 (53.0%)	1 (50.0%)	245 (9.7%)	
>=37	2179 (91.0%)	51 (38.1%)	0	2230 (88.1%)	
Total	2394 (100.0%)	134 (100.0%)	2 (100.0%)	2530 (100.0%)	

Twin or triplet birth is counted as one birth event. Results do not include surrogate cycles.



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

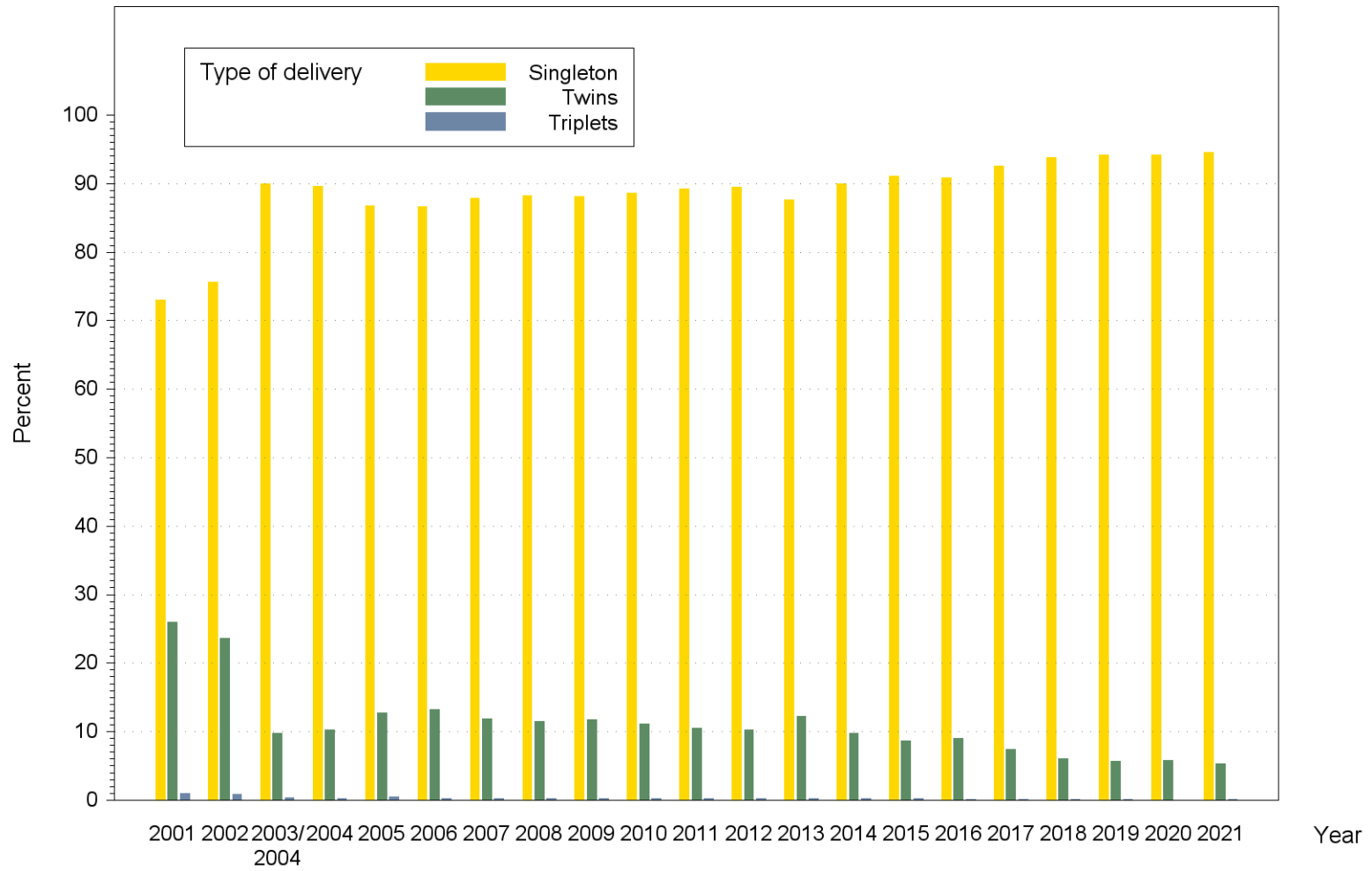
Birth weight (g)	Type of pregnancy				Total
	Singletons	Twins	Triplets		
<b>All Centres (N=2586, Missing=97)</b>					
< 1500	34 (1.5%)	26 (10.0%)	3 (50.0%)	63	(2.4%)
[1500-2500[	139 (6.0%)	119 (45.8%)	3 (50.0%)	261	(10.1%)
>= 2500	2147 (92.5%)	115 (44.2%)	0	2262	(87.5%)
Total	2320 (100.0%)	260 (100.0%)	6 (100.0%)	2586	(100.0%)

Results do not include surrogate cycles.

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



**Table 2.45 Own fresh cycles: Complications**

	Statistic	All Centres (N=20415, Missing=1105)
<b>Complications</b>		
Yes	n/N (%)	109/20415 ( 0.53%)
No	n/N (%)	18981/20415 ( 92.98%)
Unknown	n/N (%)	1325/20415 ( 6.49%)
<b>Complication: Thrombosis</b>		
Yes	n/N (%)	3/109 ( 2.75%)
No	n/N (%)	103/109 ( 94.50%)
Unknown	n/N (%)	3/109 ( 2.75%)
<b>Complication: OHSS Severe (Grade III-IV)</b>		
Yes	n/N (%)	41/109 ( 37.61%)
No	n/N (%)	67/109 ( 61.47%)
Unknown	n/N (%)	1/109 ( 0.92%)
<b>Complication: Infection (PID)</b>		
Yes	n/N (%)	16/109 ( 14.68%)
No	n/N (%)	90/109 ( 82.57%)
Unknown	n/N (%)	3/109 ( 2.75%)

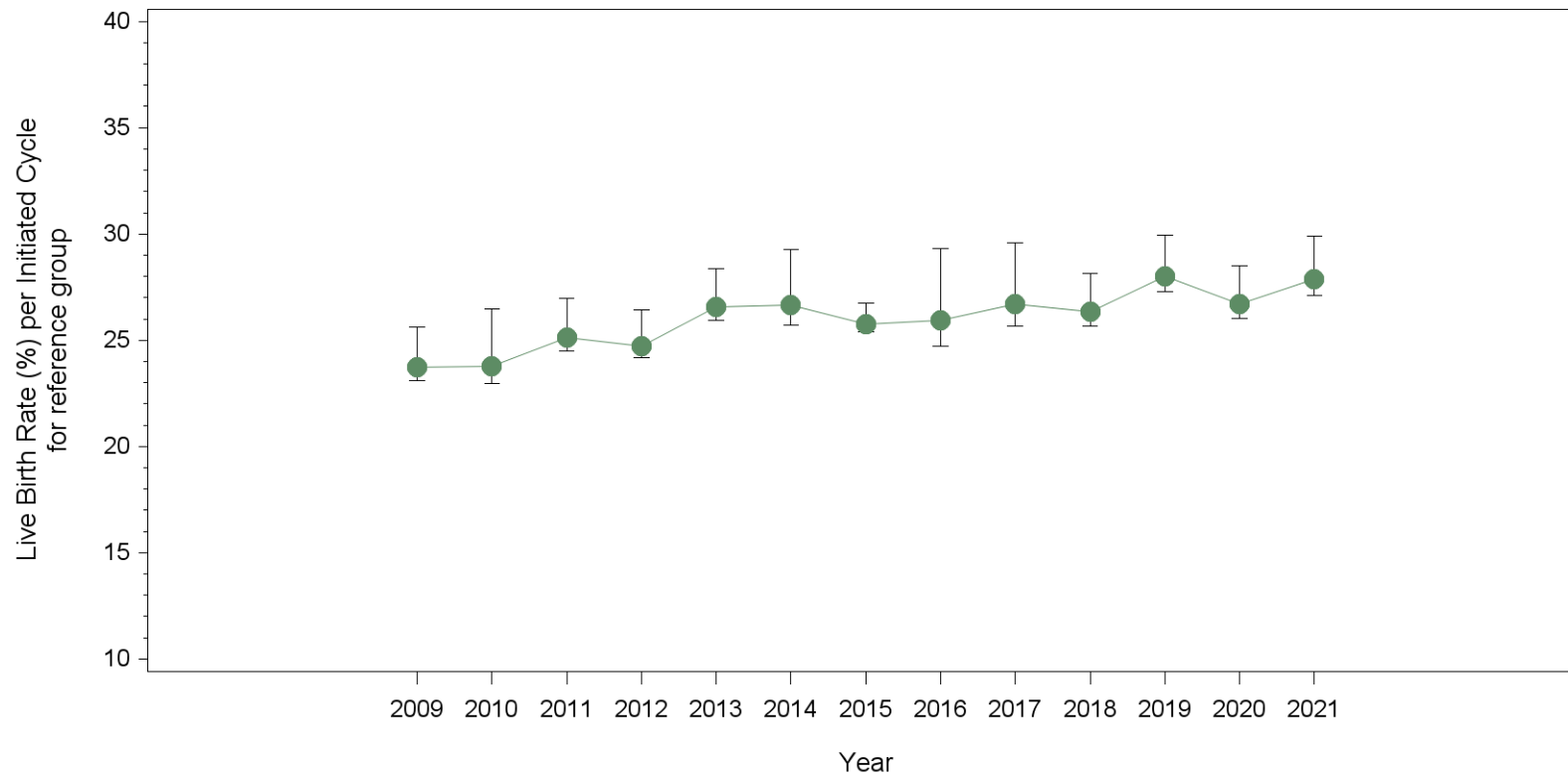
Note: A patient can have more than one complication. Results do not include surrogate cycles.

**Table 2.45 Own fresh cycles: Complications**

	<b>Statistic</b>	<b>All Centres (N=20415, Missing=1105)</b>
<b>Complication: Bleeding</b>		
Yes	n/N (%)	13/109 ( 11.93%)
No	n/N (%)	92/109 ( 84.40%)
Unknown	n/N (%)	4/109 ( 3.67%)
<b>Complication: Death (mother)</b>		
Yes	n/N (%)	1/109 ( 0.92%)
No	n/N (%)	104/109 ( 95.41%)
Unknown	n/N (%)	4/109 ( 3.67%)
<b>Complication: Other</b>		
Yes	n/N (%)	50/109 ( 45.87%)
No	n/N (%)	52/109 ( 47.71%)
Unknown	n/N (%)	7/109 ( 6.42%)

Note: A patient can have more than one complication. Results do not include surrogate cycles.

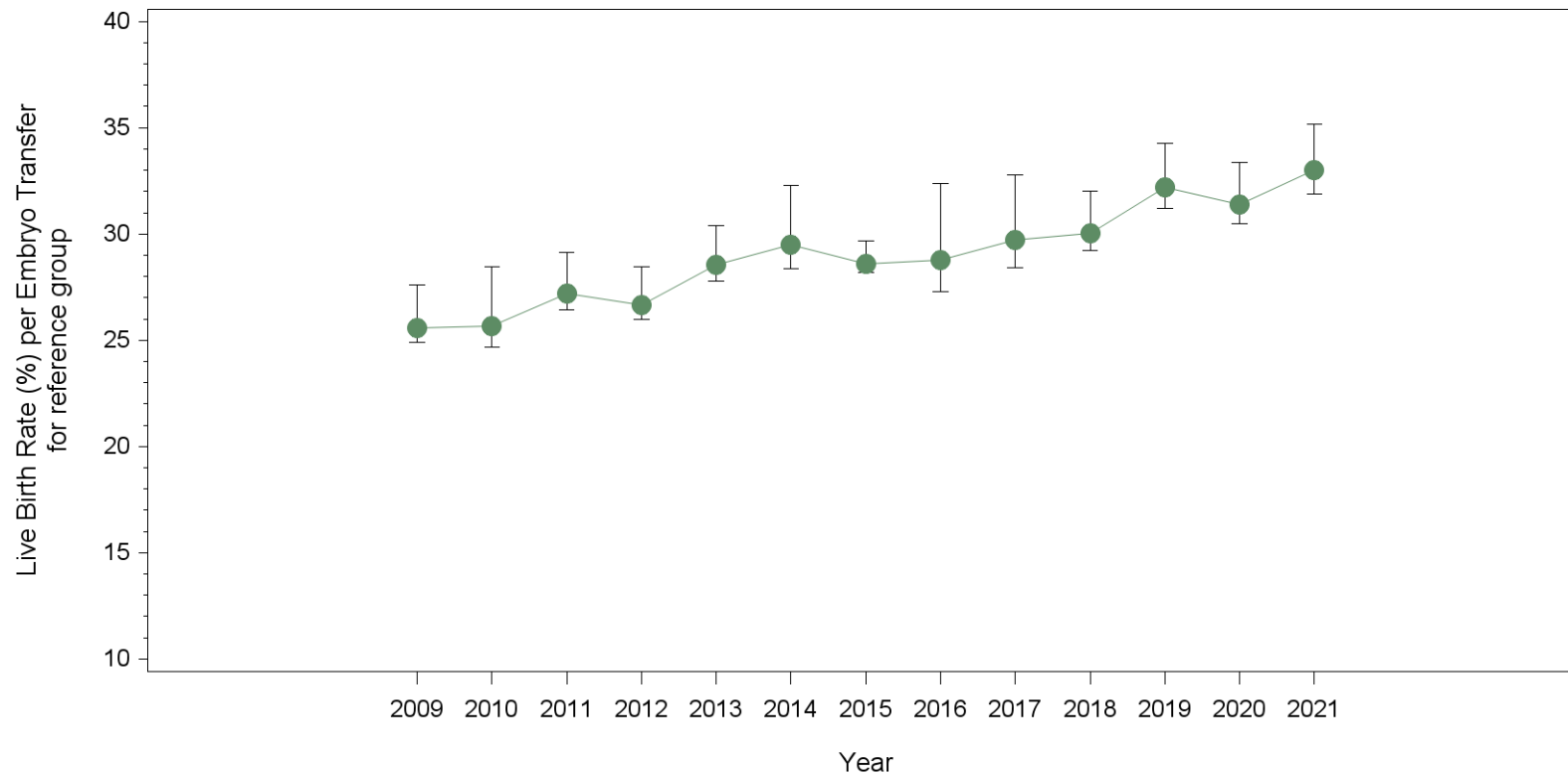
**Figure 2.46 Own fresh cycles: Live birth rate per initiated cycle for reference group\***



Rate of Birth	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>Best Birth Rate</b>	25.64%	26.45%	26.98%	26.45%	28.37%	29.24%	26.73%	29.33%	29.58%	28.15%	29.94%	28.49%	29.90%
<b>Overall Birth Rate</b>	23.72%	23.78%	25.10%	24.73%	26.57%	26.64%	25.75%	25.92%	26.70%	26.33%	28.01%	26.68%	27.88%
<b>Worst Birth Rate</b>	23.12%	22.95%	24.47%	24.16%	25.92%	25.69%	25.40%	24.72%	25.64%	25.68%	27.26%	26.02%	27.10%

\* Results only include own fresh cycles from women less than 36 years old with rank 1 excluding PGD and freeze all cycles. In the calculation of the rates, only cycles with available data are considered. The whiskers express the minimum and maximum possible rates when accounting for missing data by considering missing delivery as negative and positive, respectively. For 2015 to 2021, results do not include surrogate cycles. Cycles up to 2015 may include IVM cycles.

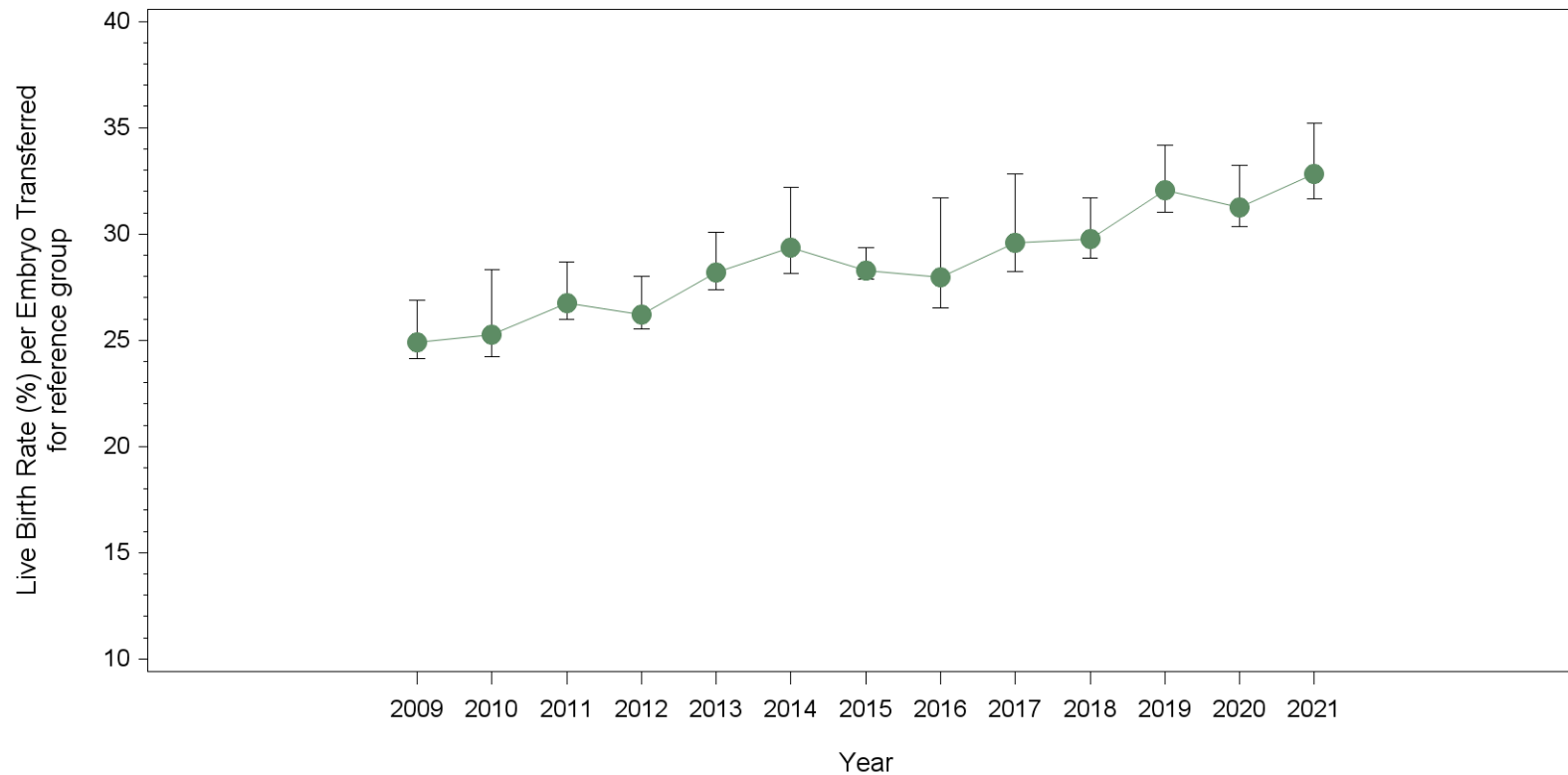
**Figure 2.47 Own fresh cycles: Live birth rate per embryo transfer for reference group\***



Rate of Birth	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>Best Birth Rate</b>	27.61%	28.45%	29.13%	28.43%	30.41%	32.28%	29.66%	32.38%	32.80%	32.02%	34.28%	33.37%	35.19%
<b>Overall Birth Rate</b>	25.59%	25.65%	27.18%	26.65%	28.53%	29.51%	28.60%	28.76%	29.73%	30.05%	32.21%	31.39%	32.98%
<b>Worst Birth Rate</b>	24.90%	24.68%	26.45%	26.00%	27.79%	28.36%	28.18%	27.29%	28.43%	29.21%	31.22%	30.48%	31.90%

\* Results only include own fresh cycles from women less than 36 years old with rank 1 excluding PGD cycles. In the calculation of the rates, only cycles with available data are considered. The whiskers express the minimum and maximum possible rates when accounting for missing data by considering missing delivery as negative and positive, respectively. For 2015 to 2021, results do not include surrogate cycles. Cycles up to 2015 may include IVM cycles.

Figure 2.48 Own fresh cycles: Live birth rate per embryo transferred for reference group\*



Rate of Birth	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>Best Birth Rate</b> 100.00%	26.90%	28.34%	28.70%	28.00%	30.09%	32.20%	29.36%	31.71%	32.81%	31.72%	34.18%	33.22%	35.21%
<b>Overall Birth Rate</b> 100.00%	24.90%	25.28%	26.75%	26.19%	28.17%	29.34%	28.29%	27.98%	29.60%	29.76%	32.04%	31.26%	32.81%
<b>Worst Birth Rate</b> 100.00%	24.14%	24.20%	25.96%	25.53%	27.39%	28.13%	27.87%	26.52%	28.25%	28.87%	31.00%	30.35%	31.64%

\* Results only include own fresh cycles from women less than 36 years old with rank 1 excluding PGD cycles. In the calculation of the rates, only cycles with available data are considered. The whiskers express the minimum and maximum possible rates when accounting for missing data by considering missing delivery as negative and positive, respectively. For 2015 to 2021, results do not include surrogate cycles. Cycles up to 2015 may include IVM cycles.



### Section 3: Own embryo cryo cycles

Table 3.1 Own embryo cryo cycles: Overview of cryo cycles

Cryo cycle	All Centres
Initiated	16855 (100.0%)
Cancelled	1657 (9.8%)
Thawed	15198 (90.2%)
Embryo Transfer	14759 (87.6%)

**Table 3.2 Own embryo cryo cycles: Number of embryos transferred**

	<b>All Centres</b>
<b>Number of cycles with transfer</b>	14759
<b>Number of embryos transferred</b>	
1	13250/14747 ( 89.85%)
2	1497/14747 ( 10.15%)
<b>Total number of embryos transferred</b>	16244

Based on all cycles with at least one embryo transferred.

**Table 3.3 Own embryo cryo cycles: Pituitary inhibition**

	<b>Statistic</b>	<b>All Centres (N=16833, Missing=22)</b>
<b>Pituitary inhibition</b>		
Yes	n/N (%)	51/16833 ( 0.30%)
No	n/N (%)	16782/16833 ( 99.70%)

**Table 3.4 Own embryo cryo cycles: Stimulation protocol**

	<b>Statistic</b>	<b>All Centres (N=16855)</b>
Stimulation with clomiphene	n/N (%)	52/14540 ( 0.36%)
Stimulation with gonadotrophins	n/N (%)	202/14563 ( 1.39%)
Substitution cycle	n/N (%)	8246/15488 ( 53.24%)
Spontaneous/modified cycle	n/N (%)	5789/15425 ( 37.53%)
Other stimulation	n/N (%)	443/15534 ( 2.85%)

Percentages do not sum up to 100% due to missing data.

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

<b>Age (yrs)</b>	<b>&lt; 36</b>	<b>[36-40[</b>	<b>[40-43[</b>	<b>&gt;=43</b>	<b>All ages</b>
<b>All Centres (N=16855, Missing=0)</b>					
Initiated cycles	10800	3630	1819	606	16855
Thawed cycles	9836	3273	1609	480	15198
Transfers	9571	3184	1545	459	14759
HCG + per initiated cycle	4248/10761 (39.5%) (39.3% - 39.7%)	1297/3619 (35.8%) (35.7% - 36.0%)	487/1811 (26.9%) (26.8% - 27.2%)	112/603 (18.6%) (18.5% - 19.0%)	6144/16794 (36.6%) (36.5% - 36.8%)
HCG + per thawing cycle	4248/9797 (43.4%) (43.2% - 43.6%)	1297/3262 (39.8%) (39.6% - 40.0%)	487/1601 (30.4%) (30.3% - 30.8%)	112/477 (23.5%) (23.3% - 24.0%)	6144/15137 (40.6%) (40.4% - 40.8%)
HCG + per embryo transfer	4248/9532 (44.6%) (44.4% - 44.8%)	1297/3173 (40.9%) (40.7% - 41.1%)	487/1537 (31.7%) (31.5% - 32.0%)	112/456 (24.6%) (24.4% - 25.1%)	6144/14698 (41.8%) (41.6% - 42.0%)

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 HCG results as negative and positive, respectively.

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

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=16855, Missing=0)</b>					
Initiated cycles	10800	3630	1819	606	16855
Thawed cycles	9836	3273	1609	480	15198
Transfers	9571	3184	1545	459	14759
Clinical Pregnancy per initiated cycle	3064/10133 (30.2%) (28.4% - 34.5%)	927/3419 (27.1%) (25.5% - 31.3%)	319/1740 (18.3%) (17.5% - 21.9%)	59/581 (10.2%) (9.7% - 13.9%)	4369/15873 (27.5%) (25.9% - 31.7%)
Clinical Pregnancy per thawing cycle	3064/9169 (33.4%) (31.2% - 37.9%)	927/3062 (30.3%) (28.3% - 34.8%)	319/1530 (20.8%) (19.8% - 24.7%)	59/455 (13.0%) (12.3% - 17.5%)	4369/14216 (30.7%) (28.7% - 35.2%)
Clinical Pregnancy per embryo transfer	3064/8904 (34.4%) (32.0% - 39.0%)	927/2973 (31.2%) (29.1% - 35.7%)	319/1466 (21.8%) (20.6% - 25.8%)	59/434 (13.6%) (12.9% - 18.3%)	4369/13777 (31.7%) (29.6% - 36.3%)

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 results as negative and positive, respectively.

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

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=16855, Missing=0)</b>					
Initiated cycles	10800	3630	1819	606	16855
Thawed cycles	9836	3273	1609	480	15198
Transfers	9571	3184	1545	459	14759
FHB: 1/2/3/4	2892/6	857/3	282/4	55/0	4086/13
Clinical Pregnancy + FHB per initiated cycle	2898/10155 (28.5%) (26.8% - 32.8%)	860/3422 (25.1%) (23.7% - 29.4%)	286/1739 (16.4%) (15.7% - 20.1%)	55/582 (9.5%) (9.1% - 13.0%)	4099/15898 (25.8%) (24.3% - 30.0%)
Clinical Pregnancy + FHB per thawing cycle	2898/9191 (31.5%) (29.5% - 36.0%)	860/3065 (28.1%) (26.3% - 32.6%)	286/1529 (18.7%) (17.8% - 22.7%)	55/456 (12.1%) (11.5% - 16.5%)	4099/14241 (28.8%) (27.0% - 33.3%)
Clinical Pregnancy + FHB per embryo transfer	2898/8926 (32.5%) (30.3% - 37.0%)	860/2976 (28.9%) (27.0% - 33.5%)	286/1465 (19.5%) (18.5% - 23.7%)	55/435 (12.6%) (12.0% - 17.2%)	4099/13802 (29.7%) (27.8% - 34.3%)

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 results as negative and positive, respectively.

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

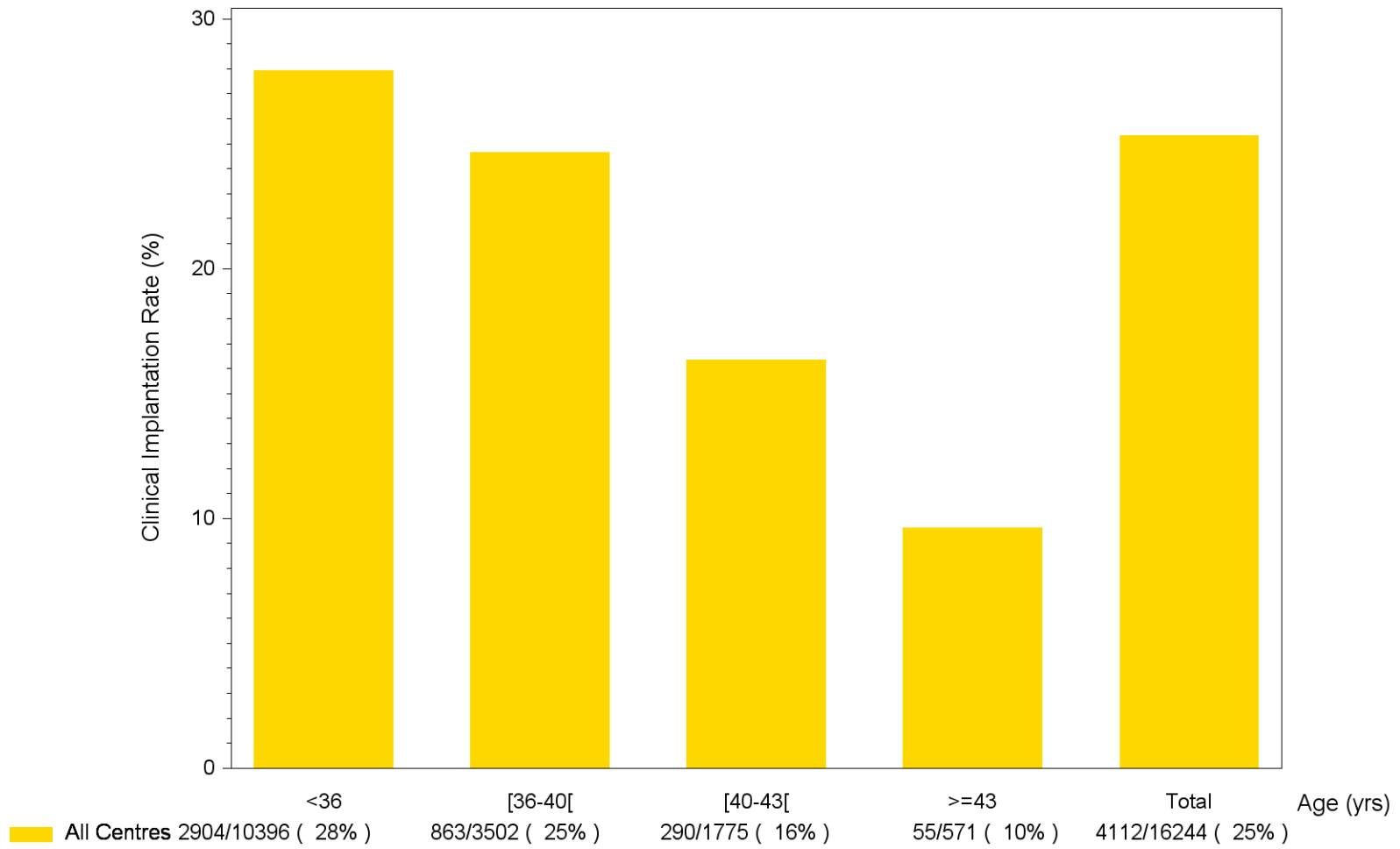
Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=16855, Missing=0)</b>					
Initiated cycles	10800	3630	1819	606	16855
Thawed cycles	9836	3273	1609	480	15198
Transfers	9571	3184	1545	459	14759
Number per delivery: 1/2/3	2179/80/0	597/20/0	171/5/0	37/1/0	2984/106/0
Delivery rate per initiated cycle	2259/10042 (22.5%) (20.9% - 27.9%)	617/3377 (18.3%) (17.0% - 24.0%)	177/1732 (10.2%) (9.7% - 14.5%)	38/580 (6.6%) (6.3% - 10.6%)	3091/15731 (19.6%) (18.3% - 25.0%)
Delivery rate per thawing cycle	2259/9078 (24.9%) (23.0% - 30.7%)	617/3020 (20.4%) (18.9% - 26.6%)	177/1522 (11.6%) (11.0% - 16.4%)	38/454 (8.4%) (7.9% - 13.3%)	3091/14074 (22.0%) (20.3% - 27.7%)
Delivery rate per embryo transfer	2259/8813 (25.6%) (23.6% - 31.5%)	617/2931 (21.1%) (19.4% - 27.3%)	177/1458 (12.1%) (11.5% - 17.1%)	38/433 (8.8%) (8.3% - 13.9%)	3091/13635 (22.7%) (20.9% - 28.6%)

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 delivery as negative and positive, respectively.

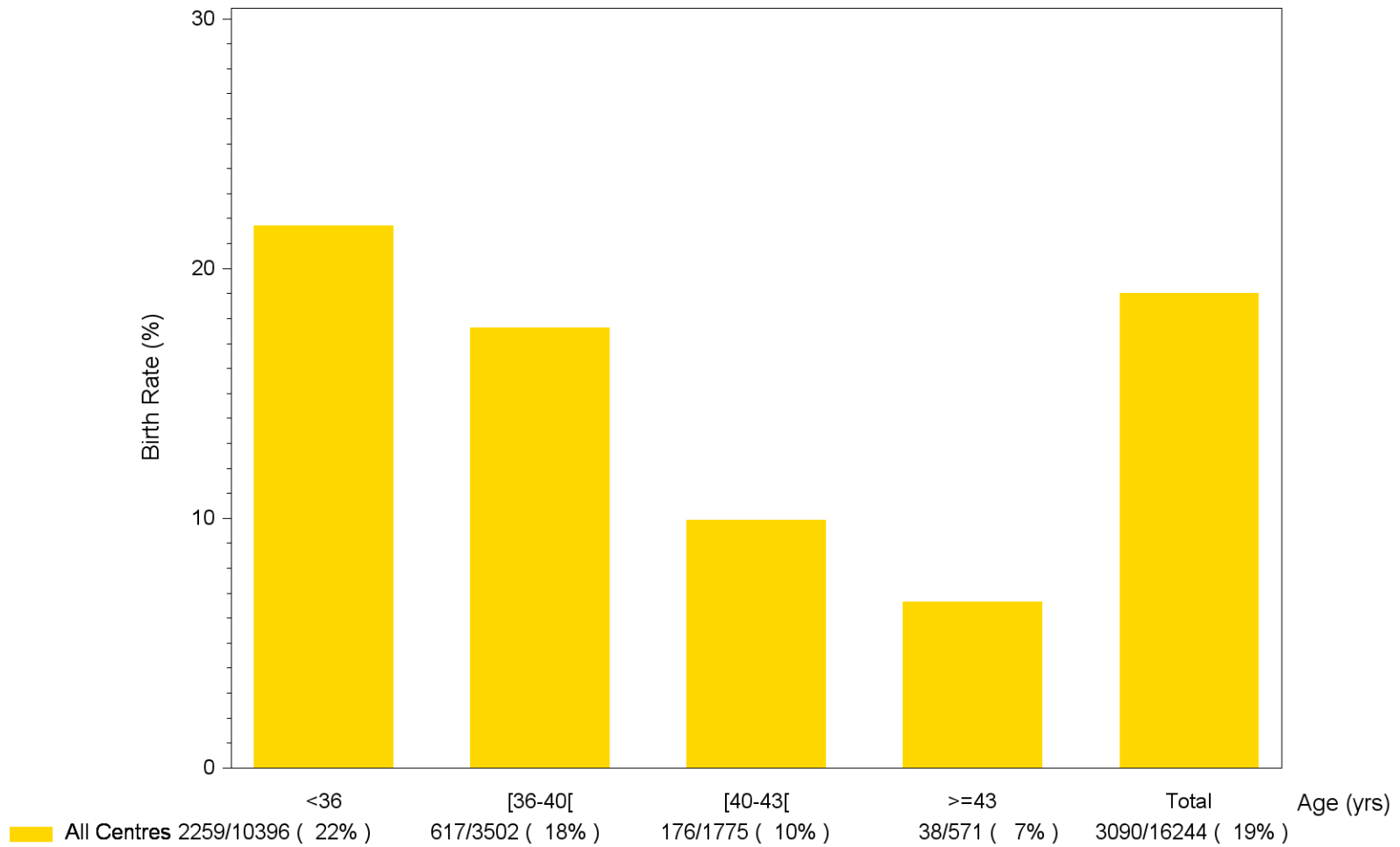


**Figure 3.9 Own embryo cryo cycles: Clinical implantation rate (No. of FHB) per transferred embryo according to age**



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

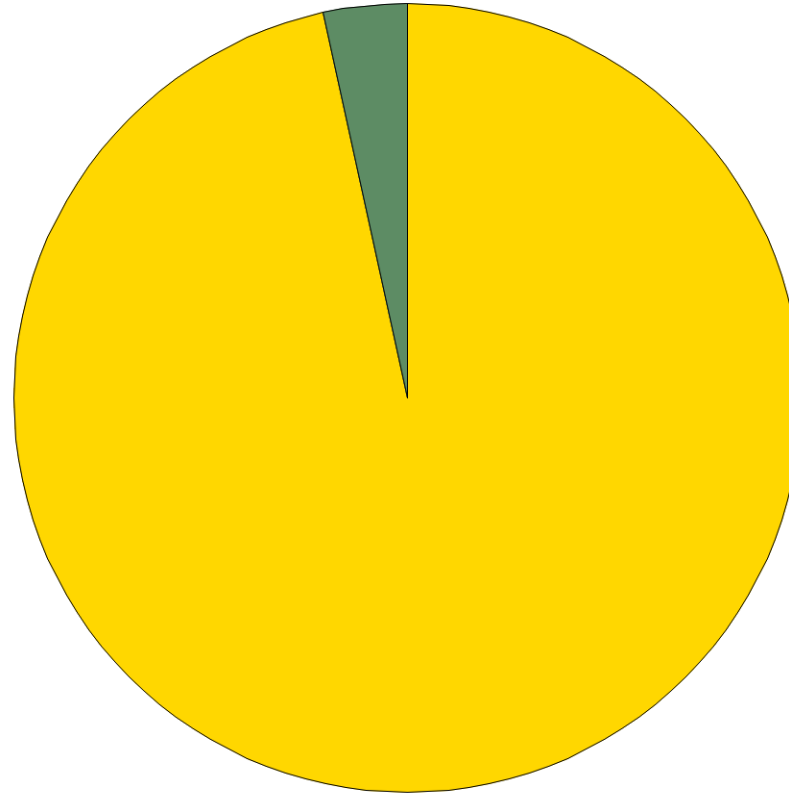
**Figure 3.10 Own embryo cryo cycles: Birth rate per transferred embryo according to age**



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

Figure 3.11 Own embryo cryo cycles: Number of deliveries

All Centres (N=3090, Missing=1)



Number of deliveries

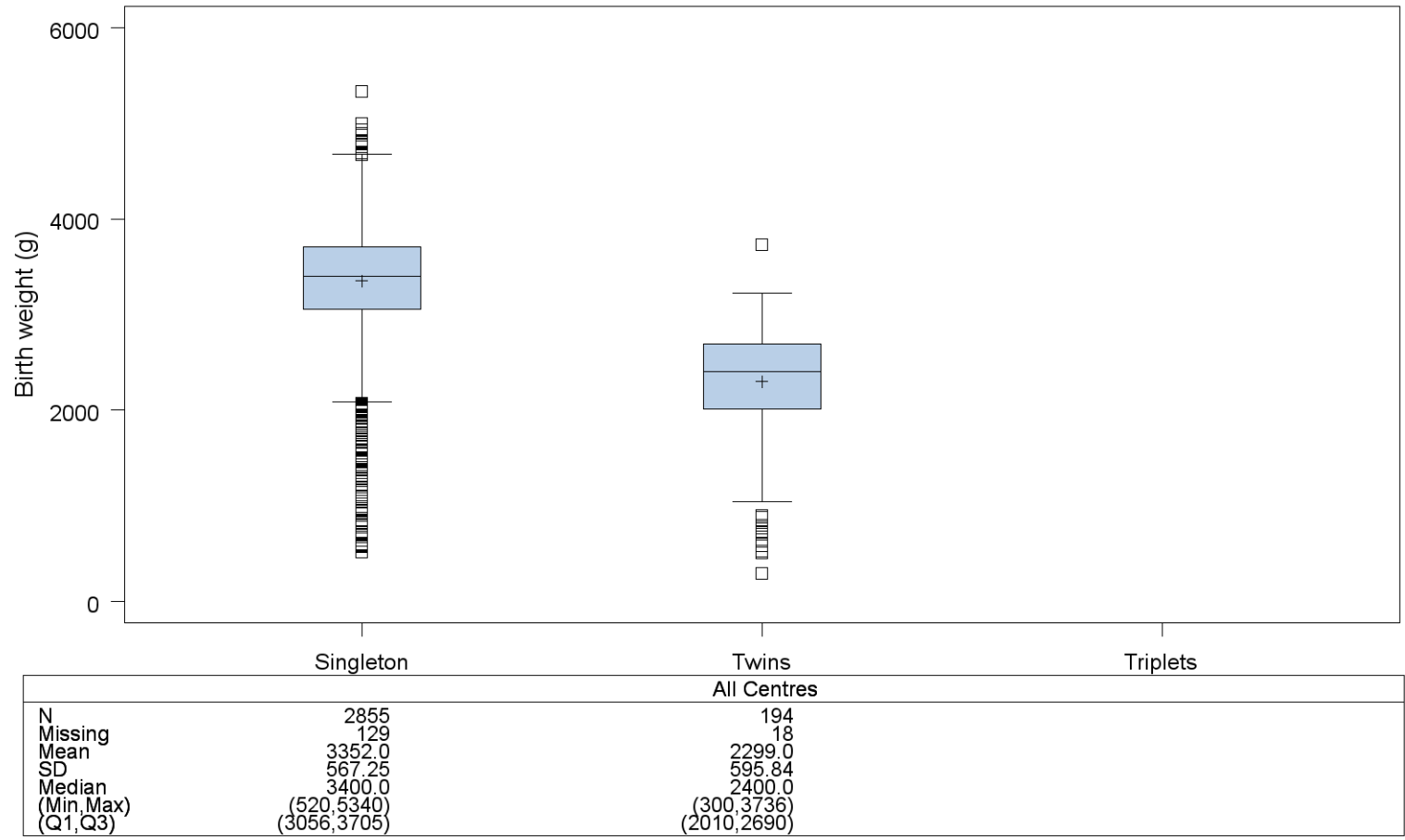
Singleton : n (%) = 2984 ( 96.57%)  
Twins : n (%) = 106 ( 3.43%)

Deliveries of twins or triplets are only counted once.

**Table 3.12 Own embryo cryo cycles: Sex of babies**

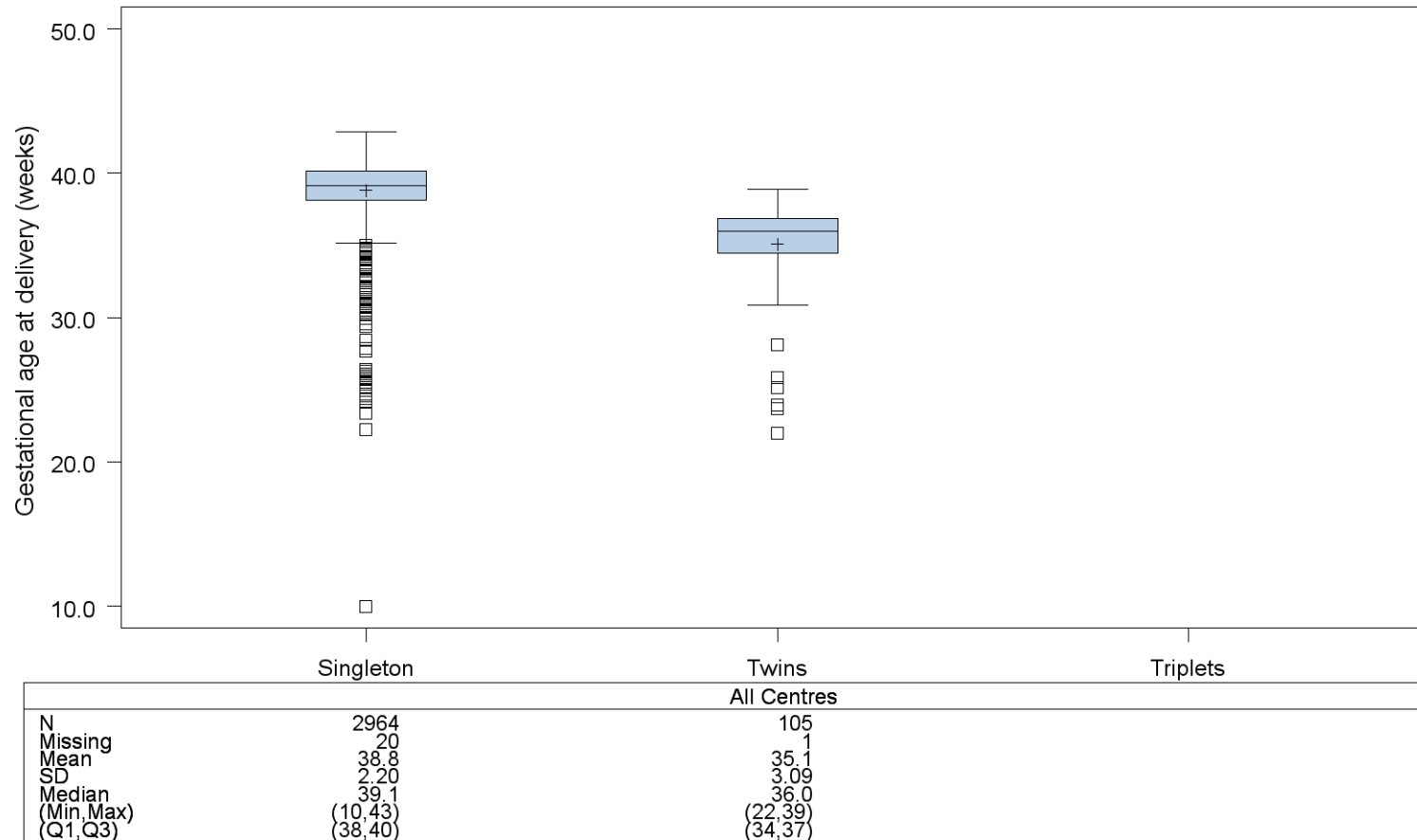
<b>All Centres (N=3196, Missing=1)</b>	
<b>Sex of baby</b>	
Male	1566/3196 ( 49.00%)
Female	1569/3196 ( 49.09%)
Unknown	61/3196 ( 1.91%)

Figure 3.13 Own embryo 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 3.14 Own embryo 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 3.15 Own embryo cryo cycles: Prevalence of preterm birth according to type of pregnancy**

Gestational age at delivery (weeks)	Type of pregnancy			
	Single birth event	Twin birth event	Triplet birth event	Total birth events
<b>All Centres (N=3069, Missing=22)</b>				
< 32	50 (1.7%)	10 (9.5%)	0	60 (2.0%)
[32-37[	256 (8.6%)	70 (66.7%)	0	326 (10.6%)
>=37	2658 (89.7%)	25 (23.8%)	0	2683 (87.4%)
Total	2964 (100.0%)	105 (100.0%)	0	3069 (100.0%)

Twin or triplet birth is counted as one birth event.

**Table 3.16 Own embryo cryo cycles: Prevalence of low birth weight according to type of pregnancy**

Birth weight (g)	Type of pregnancy			Total
	Singletons	Twins	Triplets	
<b>All Centres (N=3049, Missing=148)</b>				
< 1500	36 (1.3%)	15 (7.7%)	0	51 (1.7%)
[1500-2500[	131 (4.6%)	93 (47.9%)	0	224 (7.3%)
>= 2500	2688 (94.2%)	86 (44.3%)	0	2774 (91.0%)
Total	2855 (100.0%)	194 (100.0%)	0	3049 (100.0%)



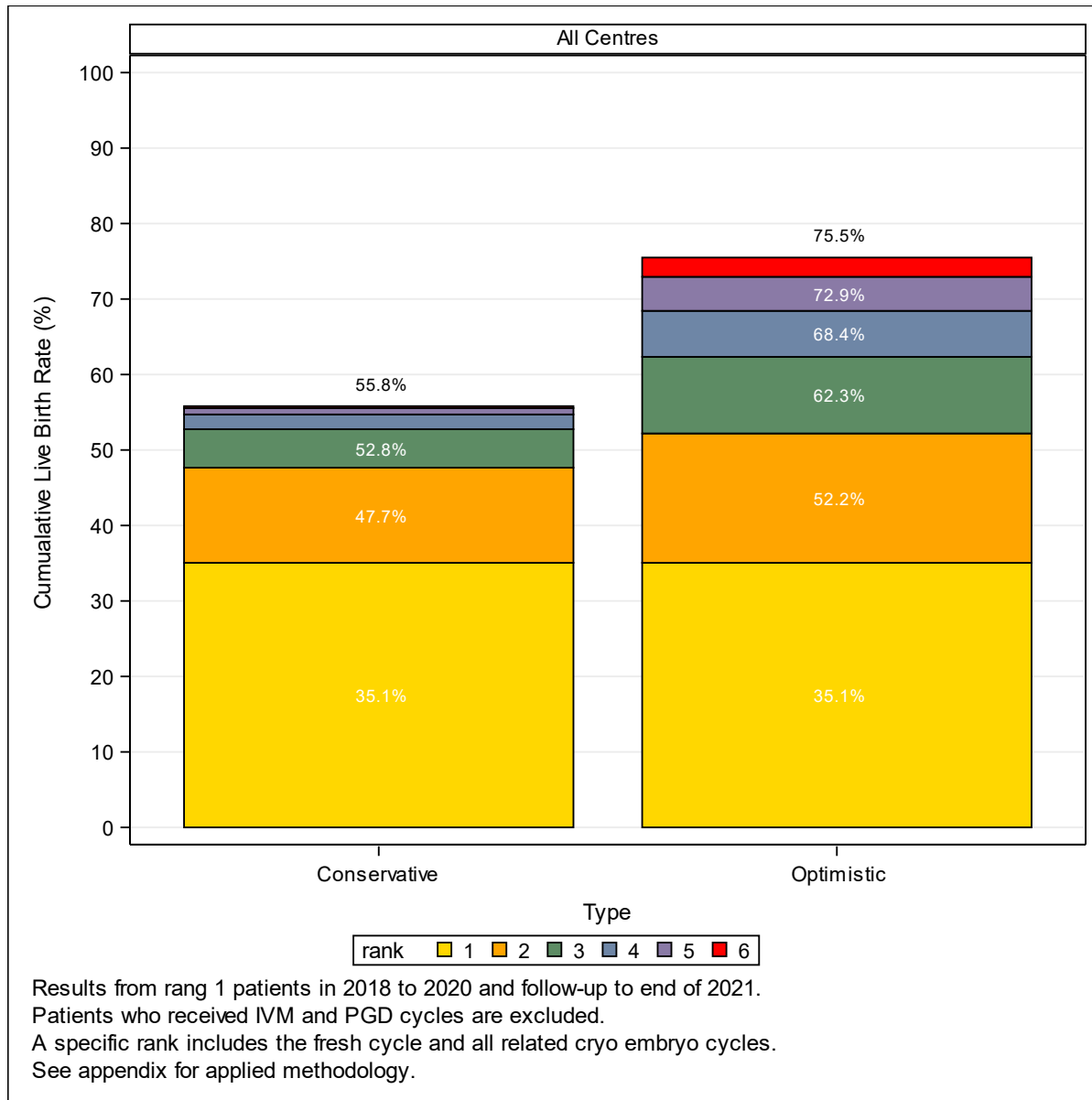
## Section 4: Own fresh and embryo cryo cycles

**Table 4.1 Own fresh and cryo cycles: Cumulative live birth rate**

Rank	Number of women	Number of live births	Conditional live birth rate (%)	Conservative cumulative live birth rate (%)	Standard Error conservative cumulative live birth rate (%)	Optimal cumulative live birth rate (%)	Standard Error optimal cumulative live birth rate (%)	Withdrawal (%)
<b>All Centres</b>								
1	15895	5573	35.1	35.1	0.38	35.1	0.38	.
2	7589	2002	26.4	47.7	0.40	52.2	0.43	26.5
3	3815	810	21.2	52.8	0.40	62.3	0.46	31.7
4	1922	311	16.2	54.7	0.39	68.4	0.50	36.0
5	945	135	14.3	55.6	0.39	72.9	0.56	41.3
6	424	40	9.4	55.8	0.39	75.5	0.64	47.7

Results from rank 1 patients in 2018 to 2020 and follow-up to end of 2021. Patients who received IVM and PGD cycles are excluded. A specific rank includes the fresh cycle and all related cryo embryo cycles. See appendix for applied methodology.

#### 4.2 Own fresh and cryo cycles: Plot of cumulative live birth rate

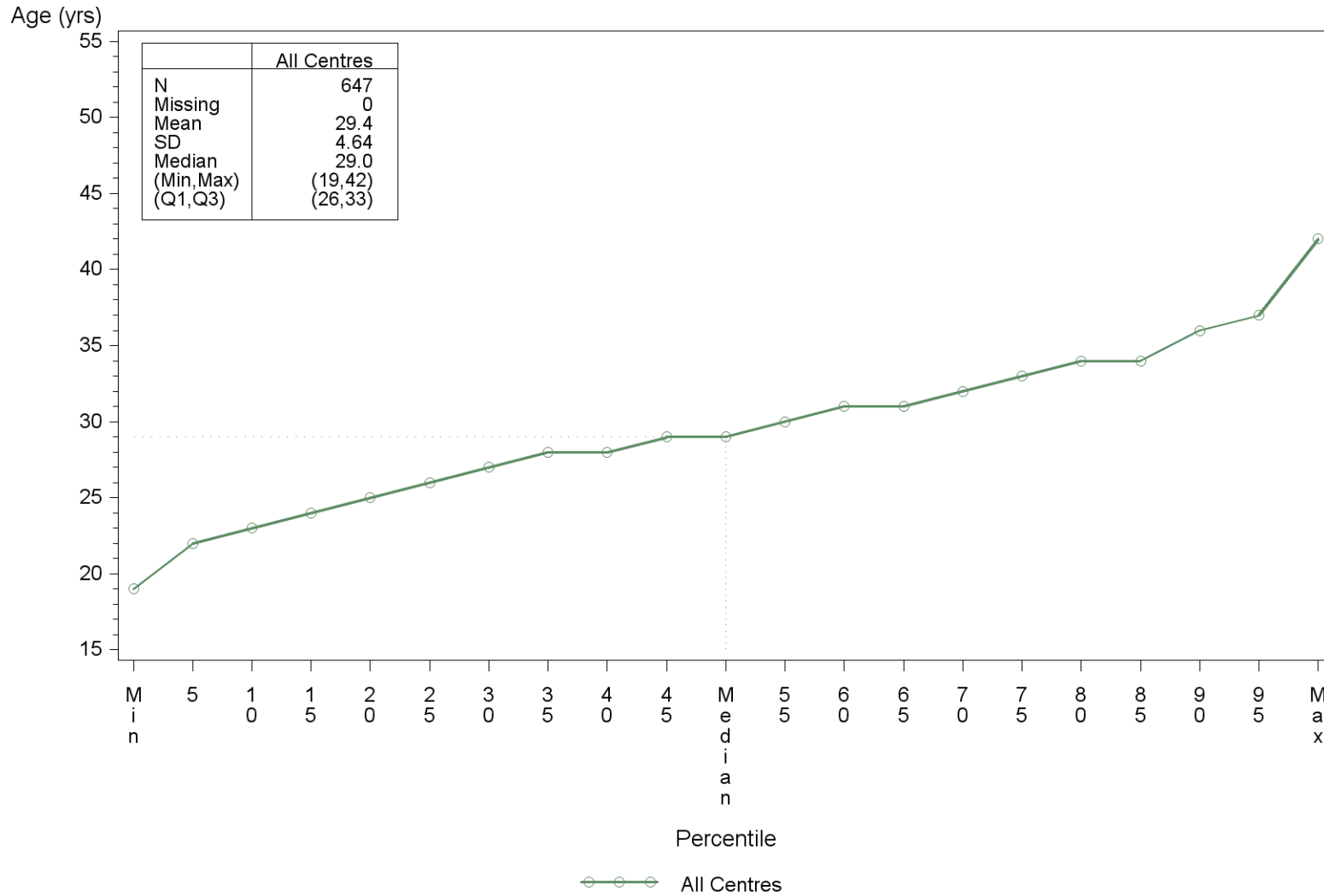


## Section 5: Fresh donor cycles

Table 5.1 Fresh donor cycles: Overview of cycles

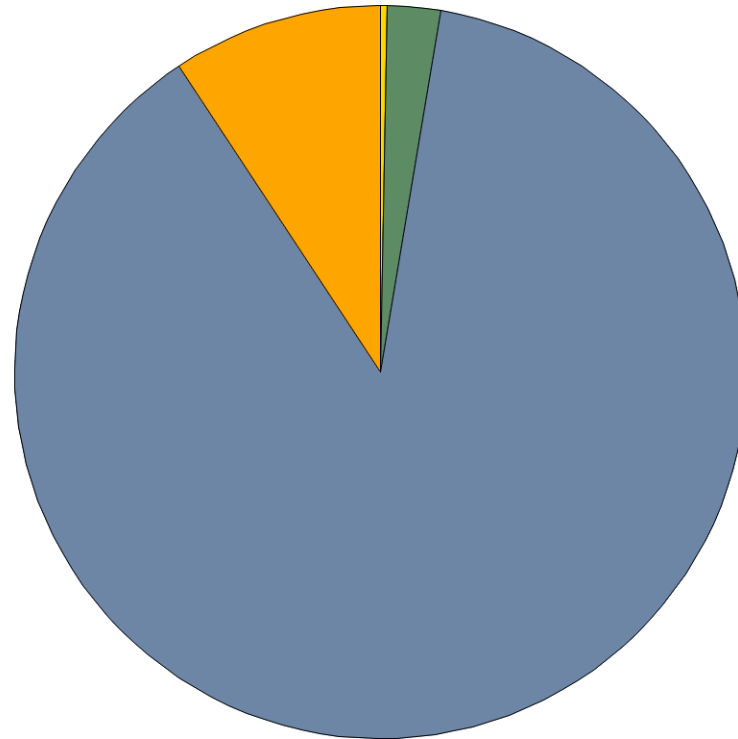
Cycle	All Centres
Initiated	647 (100.0%)
Cancelled	23 (3.6%)
At least one oocyte received	624 (96.4%)

Figure 5.2 Fresh donor cycles: Female age distribution







**Table 5.3 Fresh donor cycles: Pituitary inhibition**

All Centres (N=647, Missing=0)



**Pituary Inhibition**

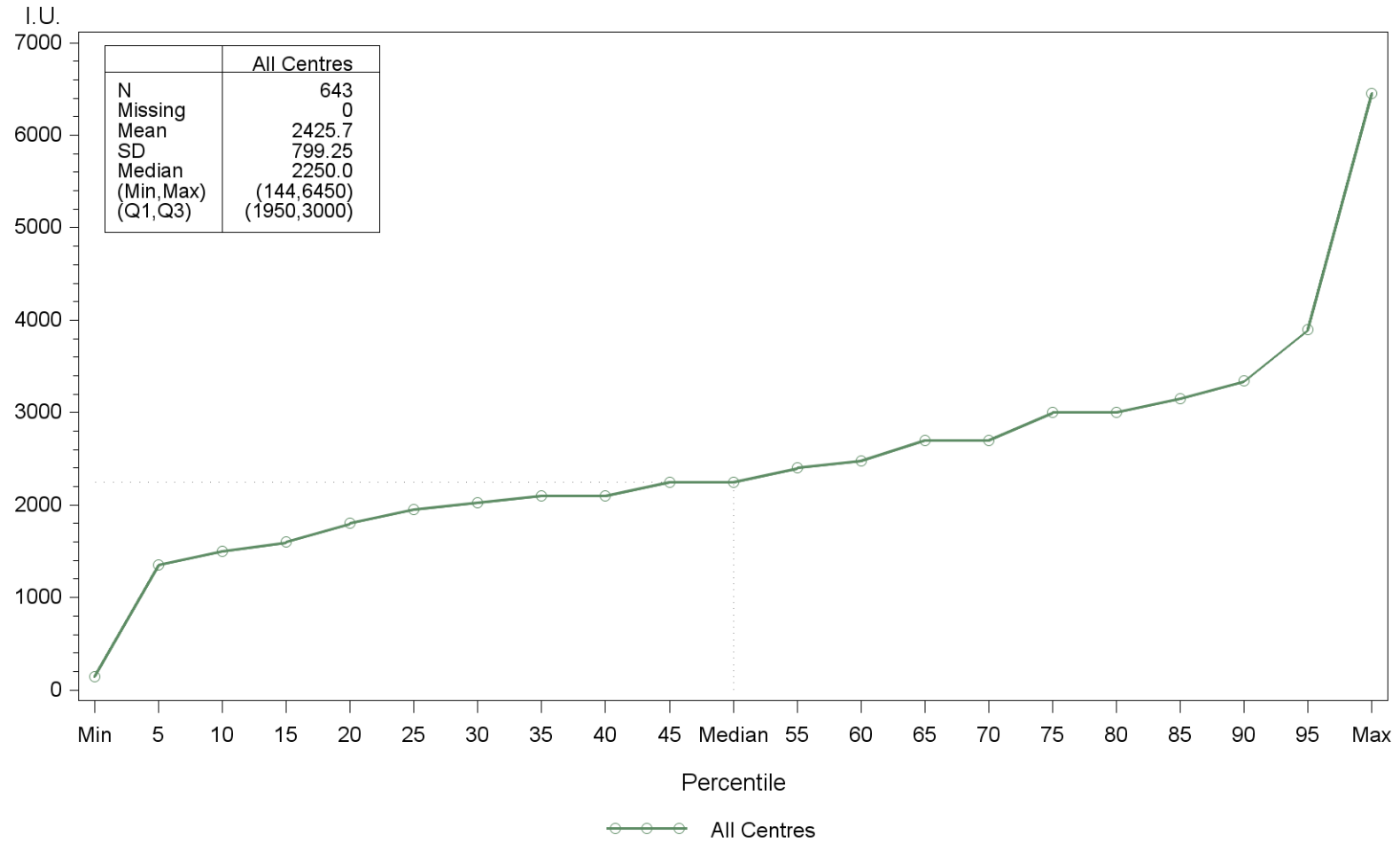
	Agonist - long : n (%) = 2 ( 0.31%)
	Agonist - short : n (%) = 15 ( 2.32%)
	Antagonist : n (%) = 570 ( 88.10%)
	None : n (%) = 60 ( 9.27%)

**Table 5.4 Fresh donor cycles: Stimulation protocol**

	<b>Statistic</b>	<b>All Centres (N=647)</b>
Stimulation with clomiphene	n/N (%)	0/628 ( 0.00%)
Stimulation with gonadotrophins	n/N (%)	643/645 ( 99.69%)
Substitution cycle	n/N (%)	0/606 ( 0.00%)
Spontaneous/modified cycle	n/N (%)	2/606 ( 0.33%)
Other stimulation	n/N (%)	0/644 ( 0.00%)

Patients can receive different medications.

**Figure 5.5 Fresh donor cycles: Total dose of gonadotrophins administered (percentiles)**



Long acting FSH is counted as a gonadotrophins dose of 1540 I.U.  
 For Rekovelle, dose in mcg was multiplied with 25 to get the dose in I.U.

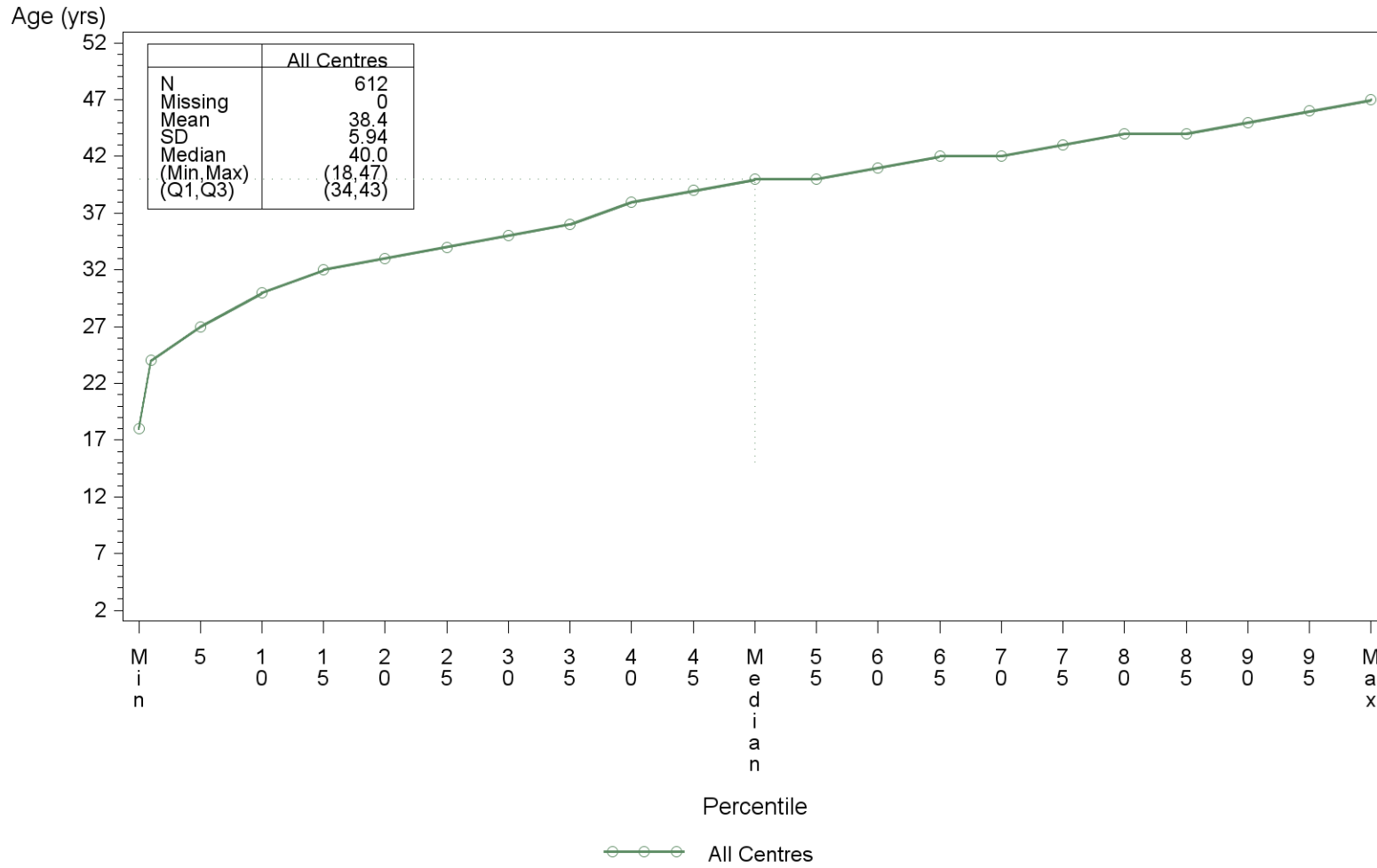
## Section 6: Fresh oocytes recipient cycles

**Table 6.1 Fresh oocytes recipient cycles (donor eggs): Overview of cycles**

<b>Cycle</b>	<b>All Centres</b>	
Initiated	612	(100.0%)
Cancelled	31	(5.1%)
At least one oocyte received	581	(94.9%)
Fresh Embryo Transfer	250	(40.8%)
All embryos frozen	306	(50.0%)
All embryos frozen	306	(50.0%)

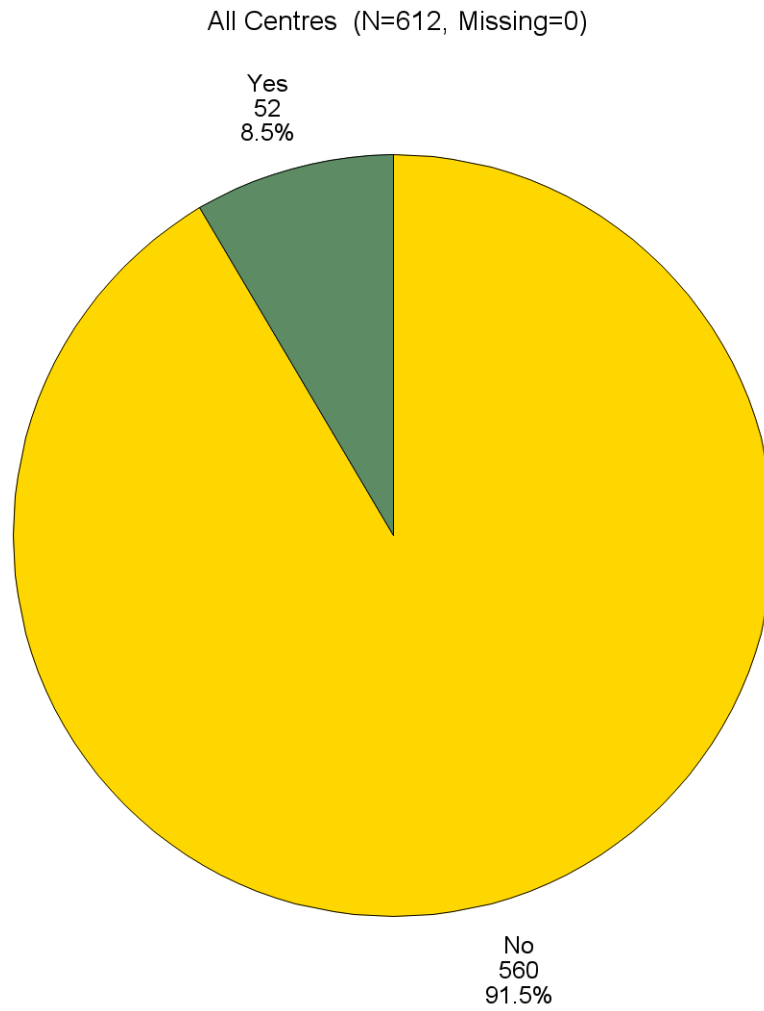


Figure 6.2 Fresh oocytes recipient cycles (donor eggs): Female age distribution



2 year old patient was an oncology patient.

**Figure 6.3 Fresh oocytes recipient cycles (donor eggs): Pituitary inhibition**



**Table 6.4 Fresh oocytes recipient cycles (donor eggs): Endometrial preparation**

	<b>Statistic</b>	<b>All Centres (N=612)</b>
Stimulation with clomiphene	n/N (%)	0/564 ( 0.00%)
Stimulation with gonadotrophins	n/N (%)	8/564 ( 1.42%)
Substitution cycle	n/N (%)	398/543 ( 73.30%)
Spontaneous/modified cycle	n/N (%)	125/543 ( 23.02%)
Other stimulation	n/N (%)	3/564 ( 0.53%)

Patients can receive different medications.

**Table 6.5 Fresh oocytes recipient cycles (donor eggs): Number of embryos transferred**

	<b>All Centres</b>
<b>Number of cycles with transfer</b>	250
<b>Number of embryos transferred</b>	
1	164/247 ( 66.40%)
2	82/247 ( 33.20%)
3	1/247 ( 0.40%)
<b>Total number of embryos transferred</b>	331

Based on all cycles with at least one embryo transferred.

**Table 6.6 Fresh oocytes recipient cycles (donor eggs): Number of HCG+ pregnancies according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=612, Missing=0)</b>					
Initiated cycles	185	110	134	183	612
At least one oocyte received	174	105	126	176	581
Transfers	78	42	48	82	250
HCG + per initiated cycle	27/181 (14.9%) (14.6% - 16.8%)	14/109 (12.8%) (12.7% - 13.6%)	21/133 (15.8%) (15.7% - 16.4%)	33/183 (18.0%) (18.0% - 18.0%)	95/606 (15.7%) (15.5% - 16.5%)
HCG + per cycles with at least one oocyte received	27/170 (15.9%) (15.5% - 17.8%)	14/104 (13.5%) (13.3% - 14.3%)	21/125 (16.8%) (16.7% - 17.5%)	33/176 (18.8%) (18.8% - 18.8%)	95/575 (16.5%) (16.4% - 17.4%)
HCG + per embryo transfer	27/74 (36.5%) (34.6% - 39.7%)	14/41 (34.1%) (33.3% - 35.7%)	21/47 (44.7%) (43.8% - 45.8%)	33/82 (40.2%) (40.2% - 40.2%)	95/244 (38.9%) (38.0% - 40.4%)

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 HCG results as negative and positive, respectively.

**Table 6.7 Fresh oocytes recipient cycles (donor eggs): Number of clinical pregnancies according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=612, Missing=0)</b>					
Initiated cycles	185	110	134	183	612
At least one oocyte received	174	105	126	176	581
Transfers	78	42	48	82	250
Clinical Pregnancy per initiated cycle	22/178 (12.4%) (11.9% - 15.7%)	11/108 (10.2%) (10.0% - 11.8%)	13/127 (10.2%) (9.7% - 14.9%)	22/175 (12.6%) (12.0% - 16.4%)	68/588 (11.6%) (11.1% - 15.0%)
Clinical Pregnancy per cycles with at least one oocyte received	22/167 (13.2%) (12.6% - 16.7%)	11/103 (10.7%) (10.5% - 12.4%)	13/119 (10.9%) (10.3% - 15.9%)	22/168 (13.1%) (12.5% - 17.0%)	68/557 (12.2%) (11.7% - 15.8%)
Clinical Pregnancy per embryo transfer	22/71 (31.0%) (28.2% - 37.2%)	11/40 (27.5%) (26.2% - 31.0%)	13/41 (31.7%) (27.1% - 41.7%)	22/74 (29.7%) (26.8% - 36.6%)	68/226 (30.1%) (27.2% - 36.8%)

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 6.8 Fresh oocytes recipient cycles (donor eggs): Number of clinical pregnancies including FHB according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=612, Missing=0)</b>					
Initiated cycles	185	110	134	183	612
At least one oocyte received	174	105	126	176	581
Transfers	78	42	48	82	250
FHB: 1/2/3	19	11	13	22	65
Clinical Pregnancy + FHB per initiated cycle	19/178 (10.7%) (10.3% - 14.1%)	11/108 (10.2%) (10.0% - 11.8%)	13/127 (10.2%) (9.7% - 14.9%)	22/175 (12.6%) (12.0% - 16.4%)	65/588 (11.1%) (10.6% - 14.5%)
Clinical Pregnancy + FHB per cycles with at least one oocyte received	19/167 (11.4%) (10.9% - 14.9%)	11/103 (10.7%) (10.5% - 12.4%)	13/119 (10.9%) (10.3% - 15.9%)	22/168 (13.1%) (12.5% - 17.0%)	65/557 (11.7%) (11.2% - 15.3%)
Clinical Pregnancy + FHB per embryo transfer	19/71 (26.8%) (24.4% - 33.3%)	11/40 (27.5%) (26.2% - 31.0%)	13/41 (31.7%) (27.1% - 41.7%)	22/74 (29.7%) (26.8% - 36.6%)	65/226 (28.8%) (26.0% - 35.6%)

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 results as negative and positive, respectively.

**Table 6.9 Fresh oocytes recipient cycles (donor eggs): Number of deliveries according to age**

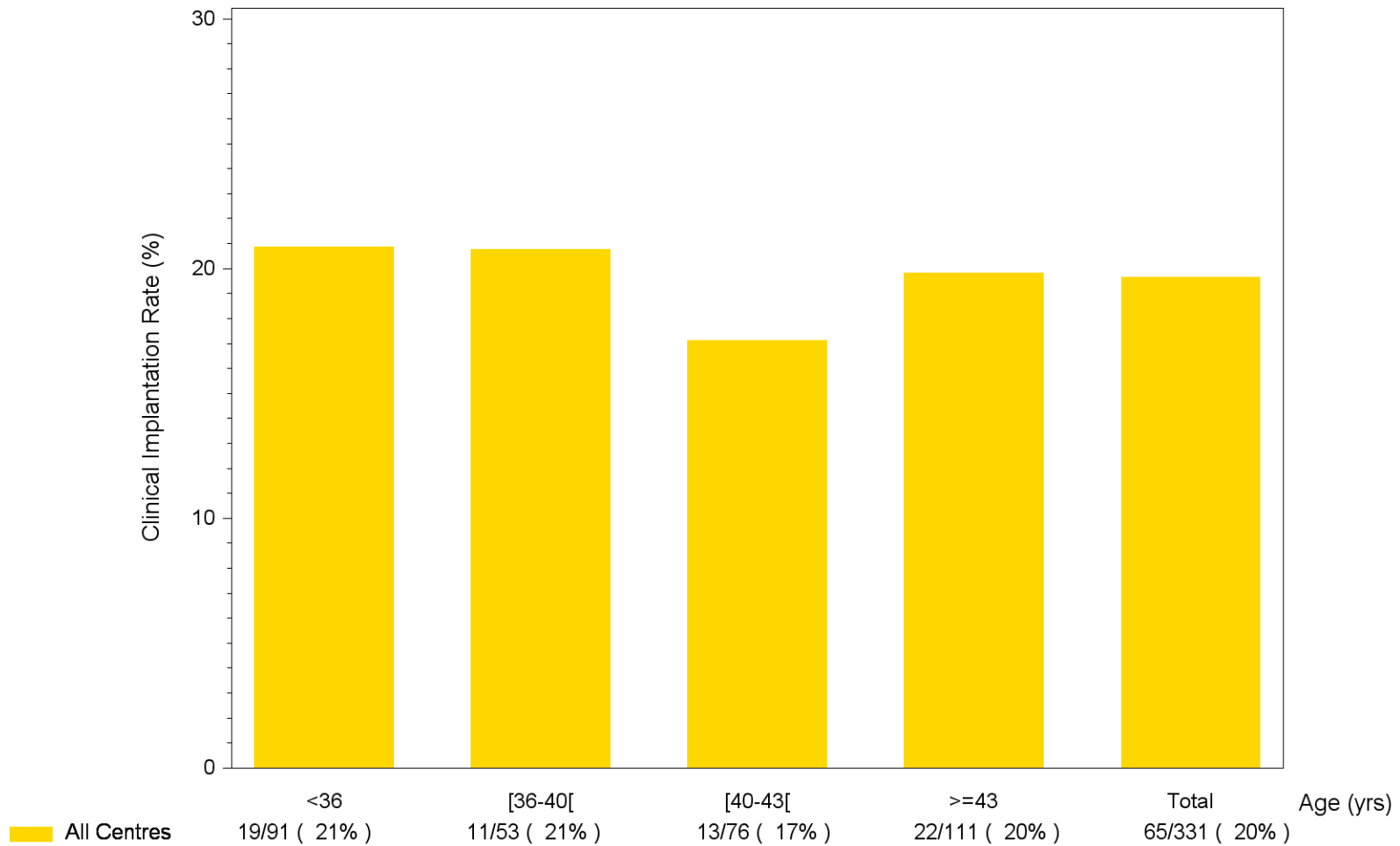
Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=612, Missing=0)</b>					
Initiated cycles	185	110	134	183	612
At least one oocyte received	174	105	126	176	581
Transfers	78	42	48	82	250
Number per delivery: 1/2/3	10/1/0	6/0/0	7/3/0	13/4/0	36/8/0
Delivery rate per initiated cycle	11/177 (6.2%) (5.9% - 10.3%)	6/106 (5.7%) (5.5% - 9.1%)	10/128 (7.8%) (7.5% - 11.9%)	17/174 (9.8%) (9.3% - 14.2%)	44/585 (7.5%) (7.2% - 11.6%)
Delivery rate per cycles with at least one oocyte received	11/166 (6.6%) (6.3% - 10.9%)	6/101 (5.9%) (5.7% - 9.5%)	10/120 (8.3%) (7.9% - 12.7%)	17/167 (10.2%) (9.7% - 14.8%)	44/554 (7.9%) (7.6% - 12.2%)
Delivery rate per embryo transfer	11/70 (15.7%) (14.1% - 24.4%)	6/38 (15.8%) (14.3% - 23.8%)	10/42 (23.8%) (20.8% - 33.3%)	17/73 (23.3%) (20.7% - 31.7%)	44/223 (19.7%) (17.6% - 28.4%)

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 delivery as negative and positive, respectively.

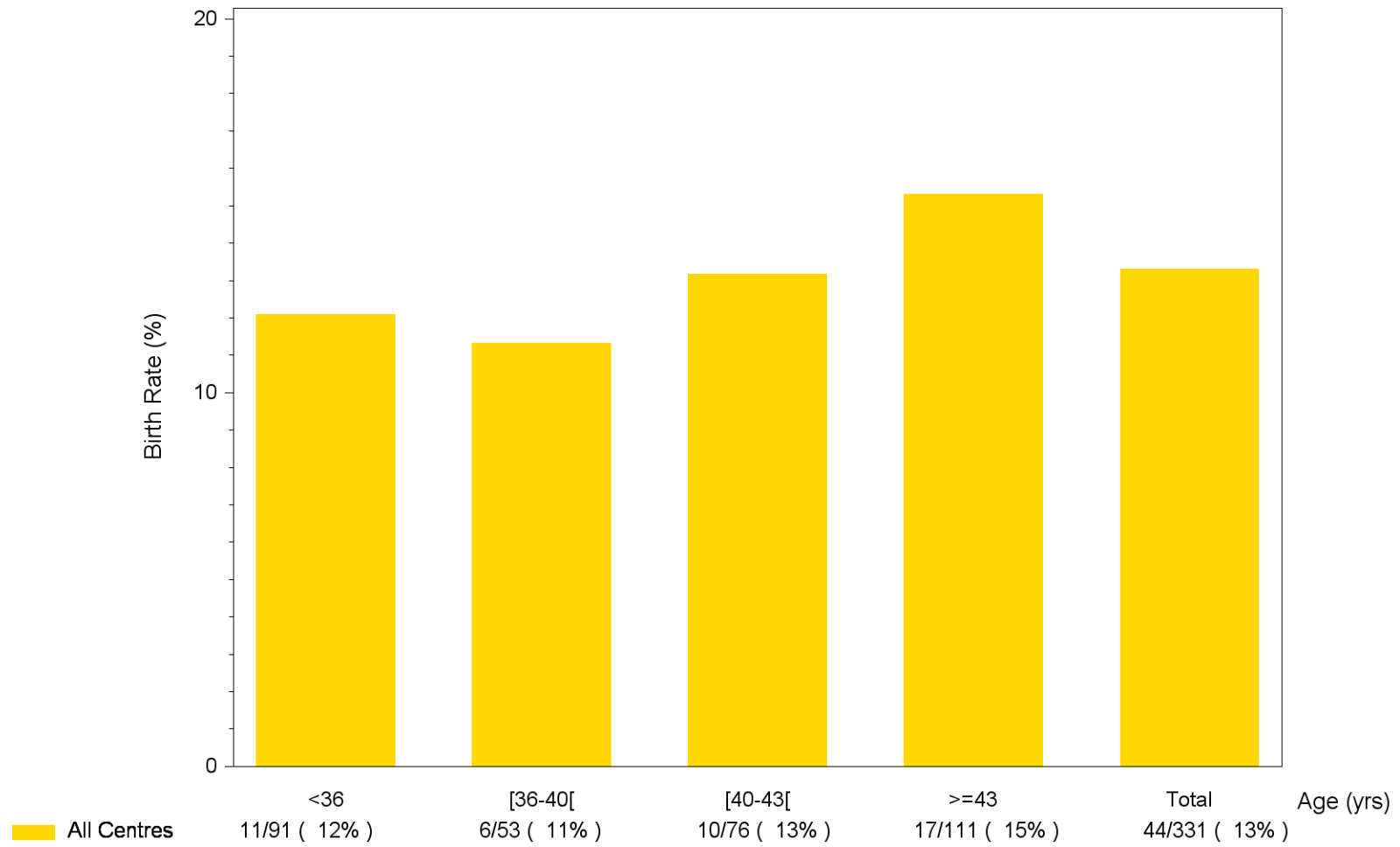


**Figure 6.10 Fresh oocytes recipient cycles (donor eggs): Clinical implantation rate (No. of FHB) per transferred embryo according to age**



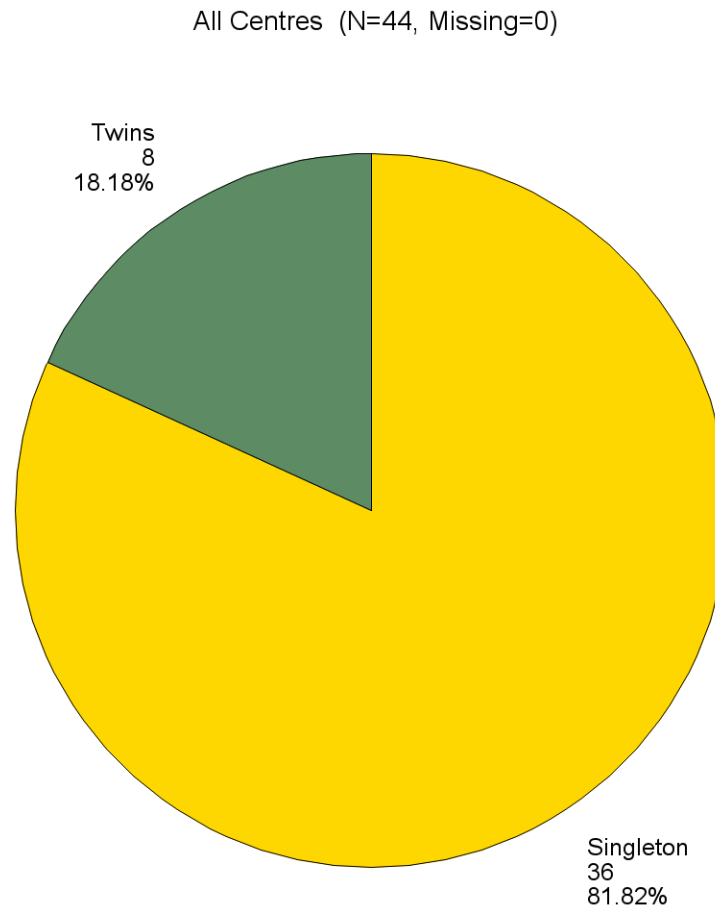
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %=  $n*100/N$ ; NA = No cycles with data available.

**Figure 6.11 Fresh oocytes recipient cycles (donor eggs): Birth rate per transferred embryo according to age**



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

**Figure 6.12 Fresh oocytes recipient cycles (donor eggs): Number of deliveries**

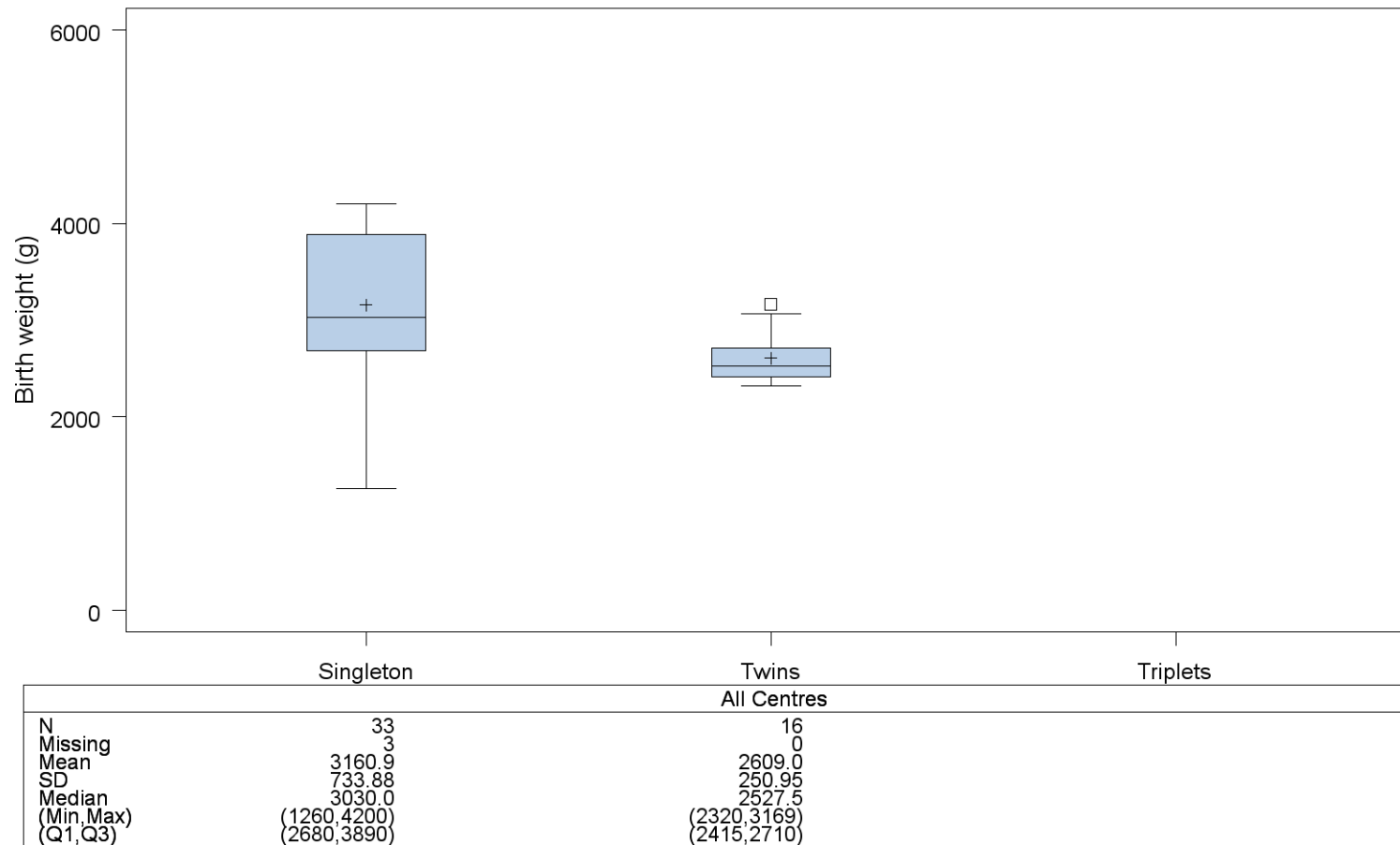


Deliveries of twins or triplets are only counted once.

**Table 6.13 Fresh oocytes recipient cycles (donor eggs): Sex of babies**

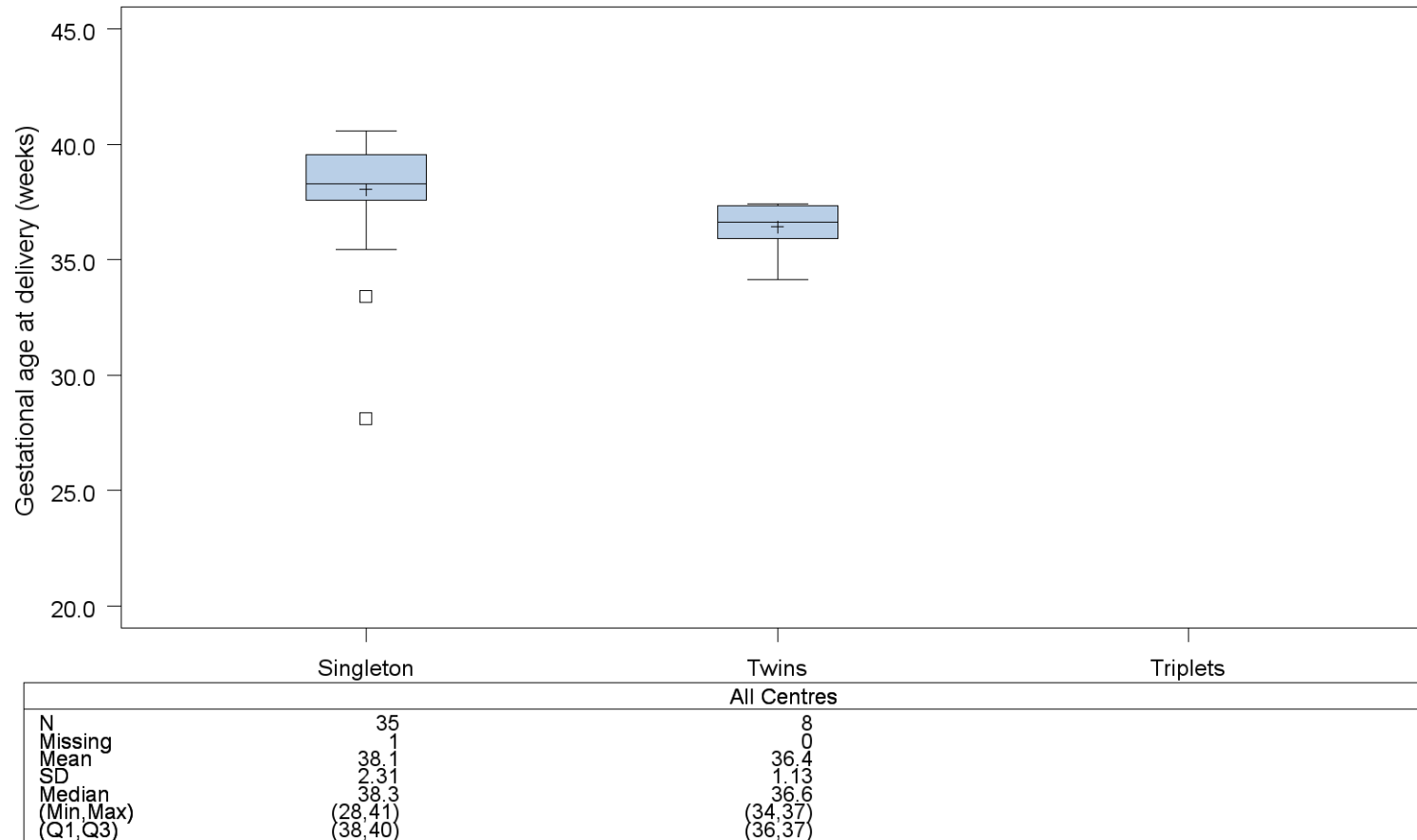
<b>All Centres (N=52, Missing=0)</b>	
<b>Sex of baby</b>	
Male	20/52 ( 38.46%)
Female	29/52 ( 55.77%)
Unknown	3/52 ( 5.77%)

Figure 6.14 Fresh oocyte 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 6.15 Fresh oocytes 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 6.16 Fresh oocytes recipient cycles (donor eggs): Prevalence of preterm birth according to type of pregnancy**

Gestational age at delivery (weeks)	Type of pregnancy			Total birth events
	Single birth event	Twin birth event	Triplet birth event	
<b>All Centres (N=43, Missing=1)</b>				
< 32	1 (2.9%)	0	0	1 (2.3%)
[32-37[	4 (11.4%)	4 (50.0%)	0	8 (18.6%)
>=37	30 (85.7%)	4 (50.0%)	0	34 (79.1%)
Total	35 (100.0%)	8 (100.0%)	0	43 (100.0%)

Twin or triplet birth is counted as one birth event.

**Table 6.17 Fresh oocytes recipient cycles (donor eggs): Prevalence of low birth weight according to type of pregnancy**

Birth weight (g)	Type of pregnancy			Total
	Singletons	Twins	Triplets	
<b>All Centres (N=49, Missing=3)</b>				
< 1500	1 (3.0%)	0	0	1 (2.0%)
[1500-2500[	4 (12.1%)	5 (31.3%)	0	9 (18.4%)
>= 2500	28 (84.8%)	11 (68.8%)	0	39 (79.6%)
Total	33 (100.0%)	16 (100.0%)	0	49 (100.0%)



### Section 7: Thawed oocytes recipient cycles

**Table 7.1 Thawed oocytes recipient cycles (donor eggs): Overview of cycles**

<b>Cycle</b>	<b>All Centres</b>
Initiated	294 (100.0%)
Cancelled	50 (17.0%)
At least one oocyte received	244 (83.0%)
Embryo Transfer	213 (72.4%)

Figure 7.2 Thawed oocytes recipient cycles (donor eggs): Female age distribution

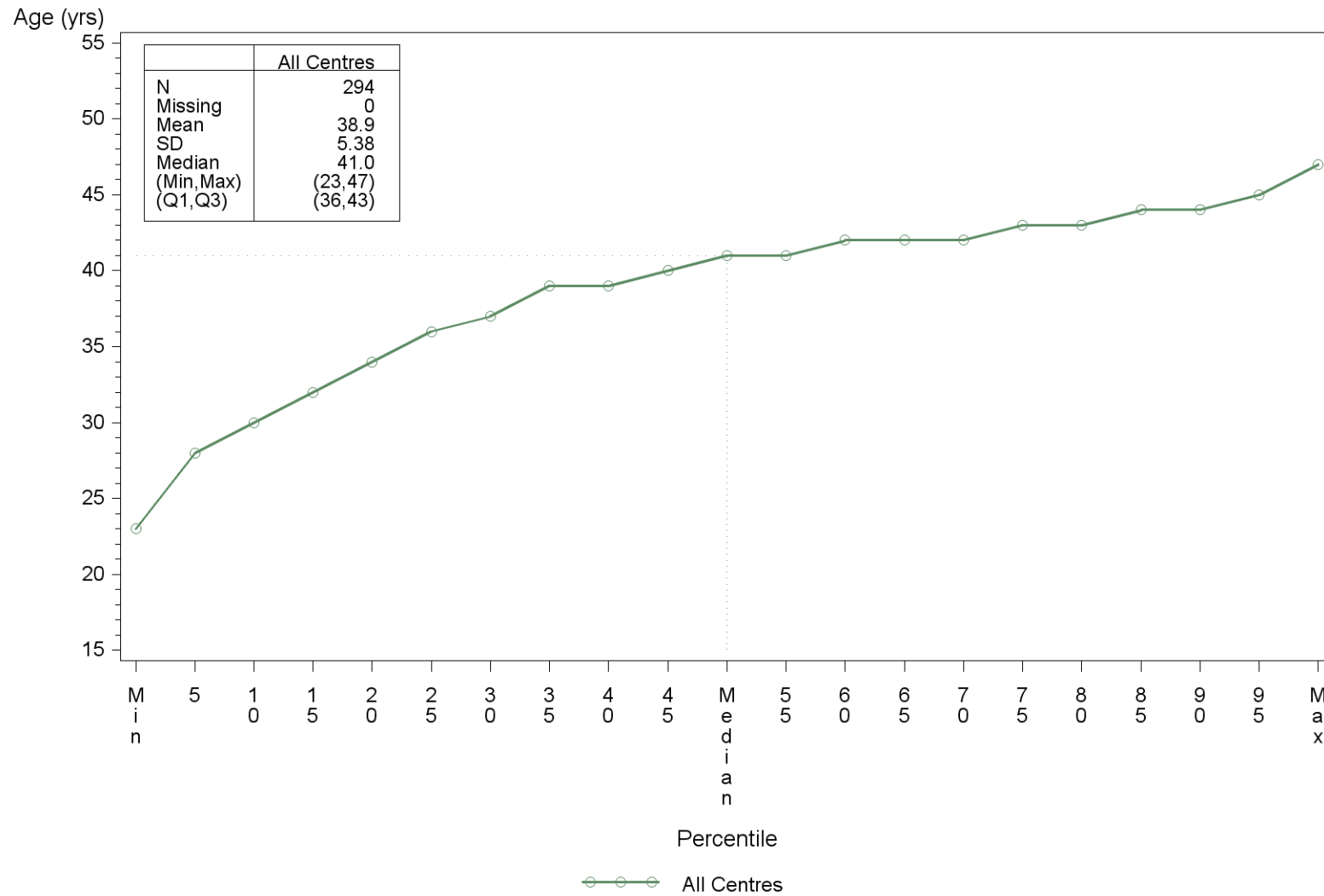
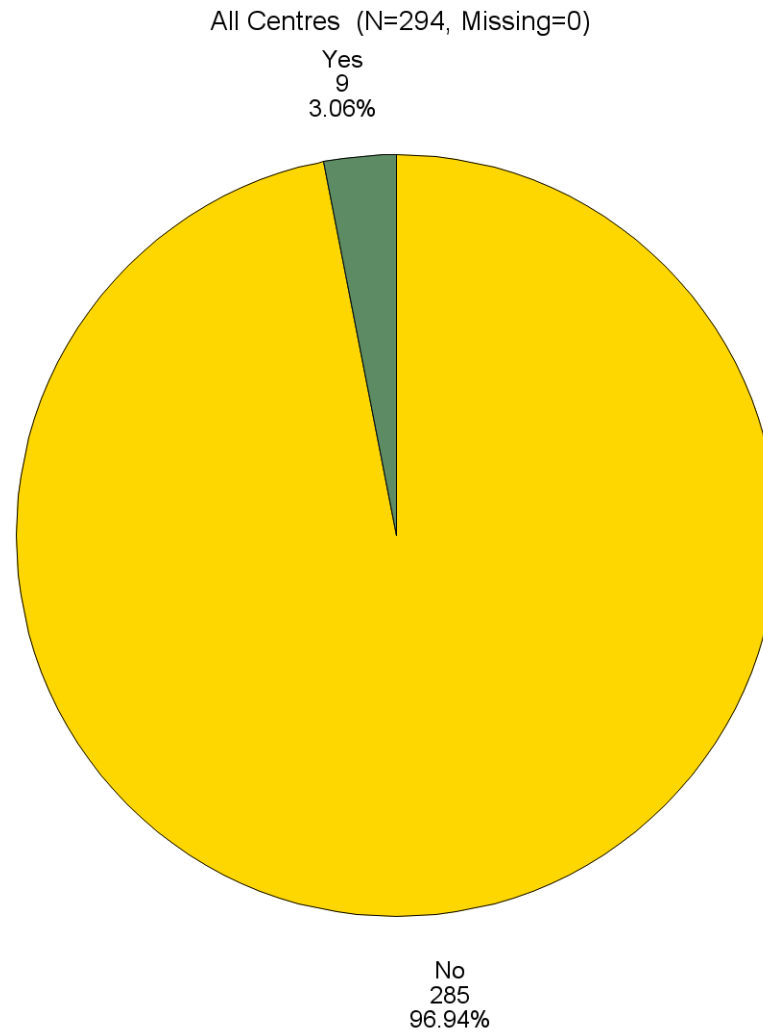


Figure 7.3 Thawed oocytes recipient cycles (donor eggs): Pituitary inhibition



**Table 7.4 Thawed oocytes recipient cycles (donor eggs): Endometrial preparation**

	<b>Statistic</b>	<b>All Centres (N=294)</b>
Stimulation with clomiphene	n/N (%)	1/293 ( 0.34%)
Stimulation with gonadotrophins	n/N (%)	5/293 ( 1.71%)
Substitution cycle	n/N (%)	258/293 ( 88.05%)
Spontaneous/modified cycle	n/N (%)	10/293 ( 3.41%)
Other stimulation	n/N (%)	0/293 ( 0.00%)

Patients can receive different medications.

**Table 7.5 Thawed oocytes recipient cycles (donor eggs): Number of embryos transferred**

	<b>All Centres</b>
<b>Number of cycles with transfer</b>	213
<b>Number of embryos transferred</b>	
1	195/213 ( 91.55%)
2	13/213 ( 6.10%)
3	3/213 ( 1.41%)
>3	2/213 ( 0.94%)
<b>Total number of embryos transferred</b>	238

Based on all cycles with at least one embryo transferred.

**Table 7.6 Thawed oocytes recipient cycles (donor eggs): Number of HCG+ pregnancies according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=294, Missing=0)</b>					
Initiated cycles	71	50	90	83	294
At least one oocyte received	60	38	73	73	244
Transfers	47	34	68	64	213
HCG + per initiated cycle	23/71 (32.4%) (32.4% - 32.4%)	15/50 (30.0%) (30.0% - 30.0%)	29/90 (32.2%) (32.2% - 32.2%)	21/83 (25.3%) (25.3% - 25.3%)	88/294 (29.9%) (29.9% - 29.9%)
HCG + per cycles with at least one oocyte received	23/60 (38.3%) (38.3% - 38.3%)	15/38 (39.5%) (39.5% - 39.5%)	29/73 (39.7%) (39.7% - 39.7%)	21/73 (28.8%) (28.8% - 28.8%)	88/244 (36.1%) (36.1% - 36.1%)
HCG + per embryo transfer	23/47 (48.9%) (48.9% - 48.9%)	15/34 (44.1%) (44.1% - 44.1%)	29/68 (42.6%) (42.6% - 42.6%)	21/64 (32.8%) (32.8% - 32.8%)	88/213 (41.3%) (41.3% - 41.3%)

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 7.7 Thawed oocytes recipient cycles (donor eggs): Number of clinical pregnancies according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=294, Missing=0)</b>					
Initiated cycles	71	50	90	83	294
At least one oocyte received	60	38	73	73	244
Transfers	47	34	68	64	213
Clinical Pregnancy per initiated cycle	19/71 (26.8%) (26.8% - 26.8%)	13/49 (26.5%) (26.0% - 28.0%)	25/89 (28.1%) (27.8% - 28.9%)	14/79 (17.7%) (16.9% - 21.7%)	71/288 (24.7%) (24.1% - 26.2%)
Clinical Pregnancy per cycles with at least one oocyte received	19/60 (31.7%) (31.7% - 31.7%)	13/37 (35.1%) (34.2% - 36.8%)	25/72 (34.7%) (34.2% - 35.6%)	14/69 (20.3%) (19.2% - 24.7%)	71/238 (29.8%) (29.1% - 31.6%)
Clinical Pregnancy per embryo transfer	19/47 (40.4%) (40.4% - 40.4%)	13/33 (39.4%) (38.2% - 41.2%)	25/67 (37.3%) (36.8% - 38.2%)	14/60 (23.3%) (21.9% - 28.1%)	71/207 (34.3%) (33.3% - 36.2%)

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 7.8 Thawed oocytes recipient cycles (donor eggs): Number of clinical pregnancies including FHB according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=294, Missing=0)</b>					
Initiated cycles	71	50	90	83	294
At least one oocyte received	60	38	73	73	244
Transfers	47	34	68	64	213
FHB: 1/2/3	18	13	25	14	70
Clinical Pregnancy + FHB per initiated cycle	18/70 (25.7%) (25.4% - 26.8%)	13/49 (26.5%) (26.0% - 28.0%)	25/89 (28.1%) (27.8% - 28.9%)	14/79 (17.7%) (16.9% - 21.7%)	70/287 (24.4%) (23.8% - 26.2%)
Clinical Pregnancy + FHB per cycles with at least one oocyte received	18/59 (30.5%) (30.0% - 31.7%)	13/37 (35.1%) (34.2% - 36.8%)	25/72 (34.7%) (34.2% - 35.6%)	14/69 (20.3%) (19.2% - 24.7%)	70/237 (29.5%) (28.7% - 31.6%)
Clinical Pregnancy + FHB per embryo transfer	18/46 (39.1%) (38.3% - 40.4%)	13/33 (39.4%) (38.2% - 41.2%)	25/67 (37.3%) (36.8% - 38.2%)	14/60 (23.3%) (21.9% - 28.1%)	70/206 (34.0%) (32.9% - 36.2%)

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.



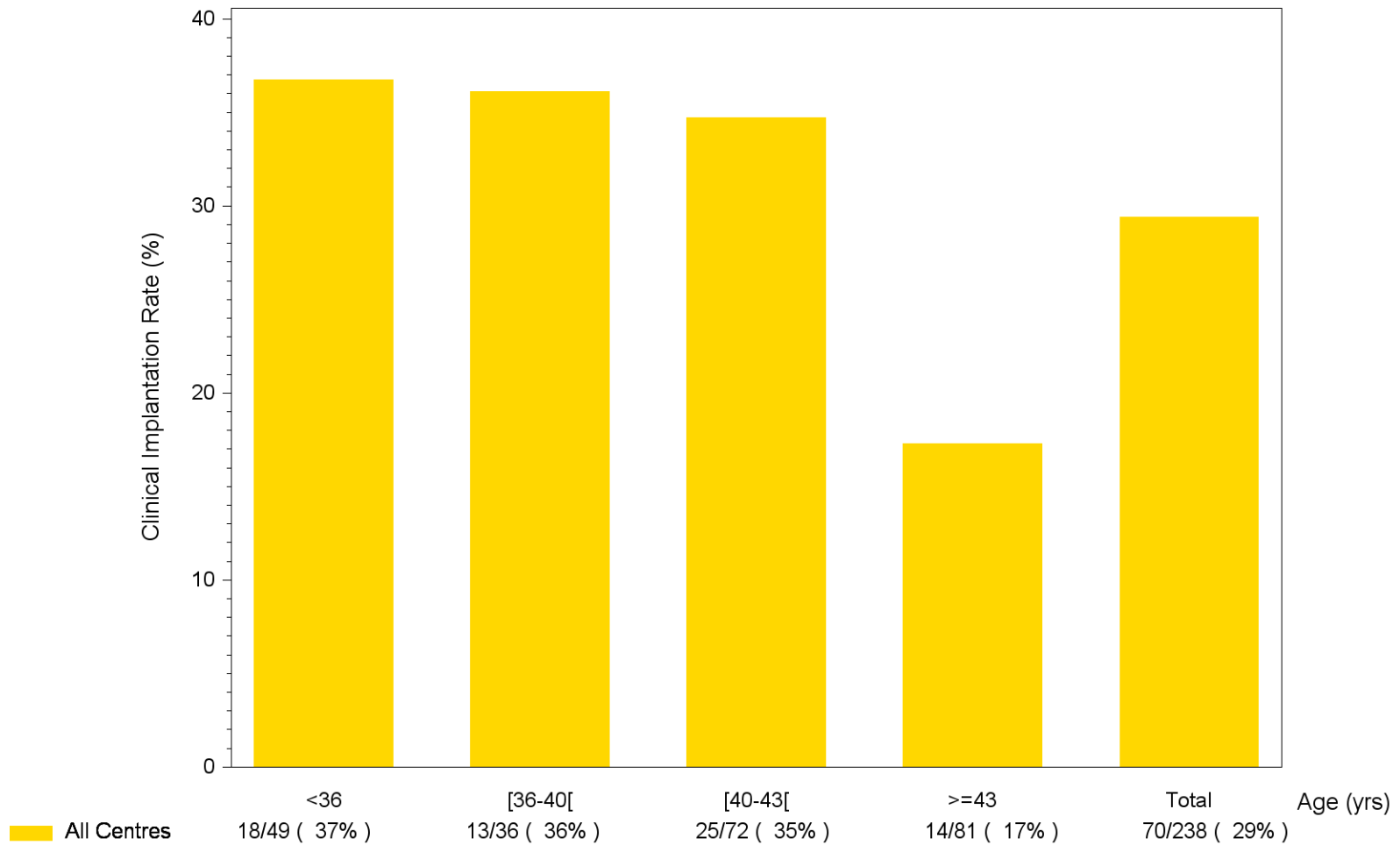
**Table 7.9 Thawed oocytes recipient cycles (donor eggs): Number of deliveries according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=294, Missing=0)</b>					
Initiated cycles	71	50	90	83	294
At least one oocyte received	60	38	73	73	244
Transfers	47	34	68	64	213
Number per delivery: 1/2/3	13/0/0	8/1/0	18/0/0	10/0/0	49/1/0
Delivery rate per initiated cycle	13/71 (18.3%) (18.3% - 18.3%)	9/49 (18.4%) (18.0% - 20.0%)	18/89 (20.2%) (20.0% - 21.1%)	10/79 (12.7%) (12.0% - 16.9%)	50/288 (17.4%) (17.0% - 19.0%)
Delivery rate per cycles with at least one oocyte received	13/60 (21.7%) (21.7% - 21.7%)	9/37 (24.3%) (23.7% - 26.3%)	18/72 (25.0%) (24.7% - 26.0%)	10/69 (14.5%) (13.7% - 19.2%)	50/238 (21.0%) (20.5% - 23.0%)
Delivery rate per embryo transfer	13/47 (27.7%) (27.7% - 27.7%)	9/33 (27.3%) (26.5% - 29.4%)	18/67 (26.9%) (26.5% - 27.9%)	10/60 (16.7%) (15.6% - 21.9%)	50/207 (24.2%) (23.5% - 26.3%)

NA=no cycles with data available.

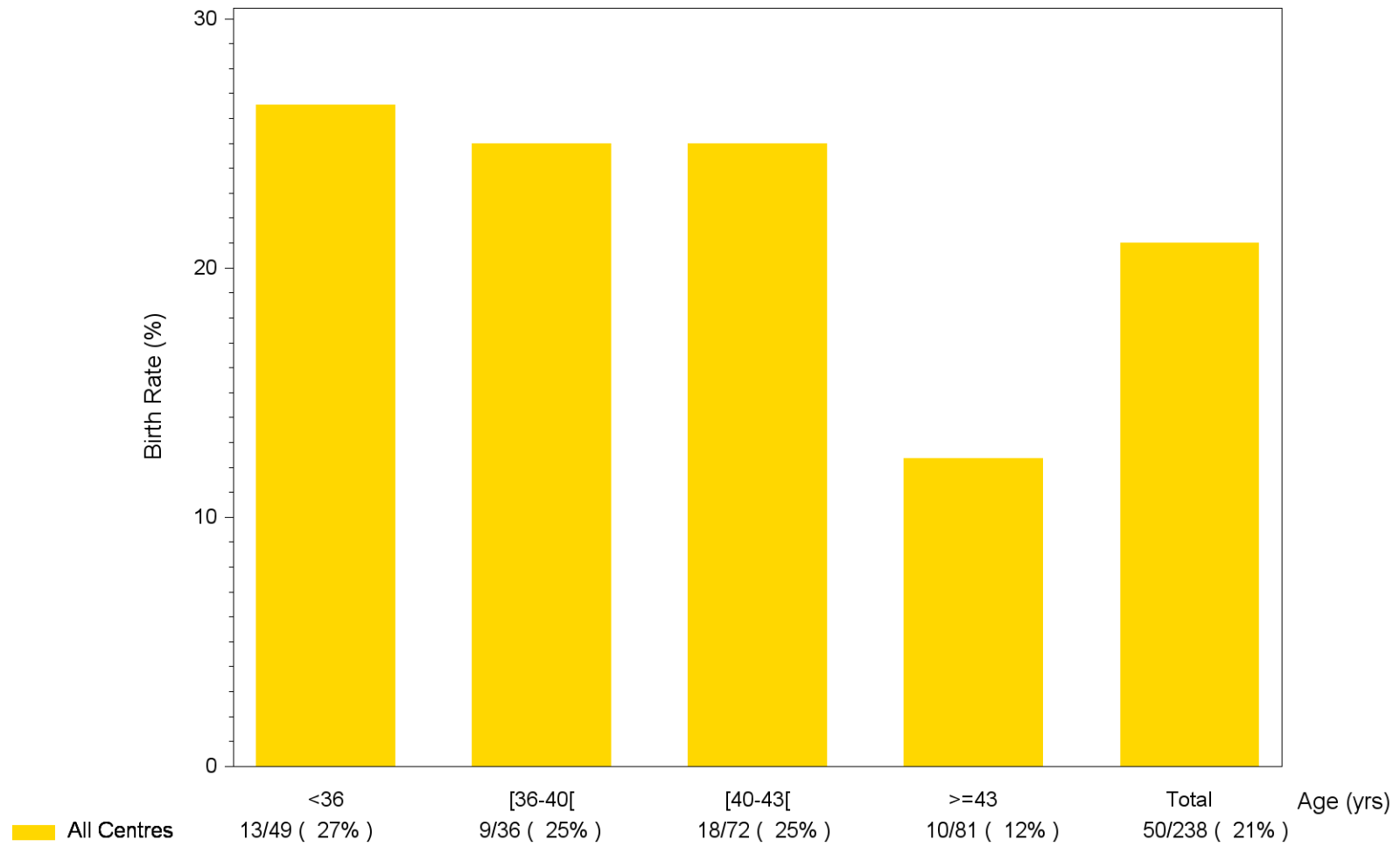
In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing delivery as negative and positive, respectively.

**Figure 7.10 Thawed oocytes recipient cycles (donor eggs): Clinical implantation rate (No. of FHB) per transferred embryo according to age**



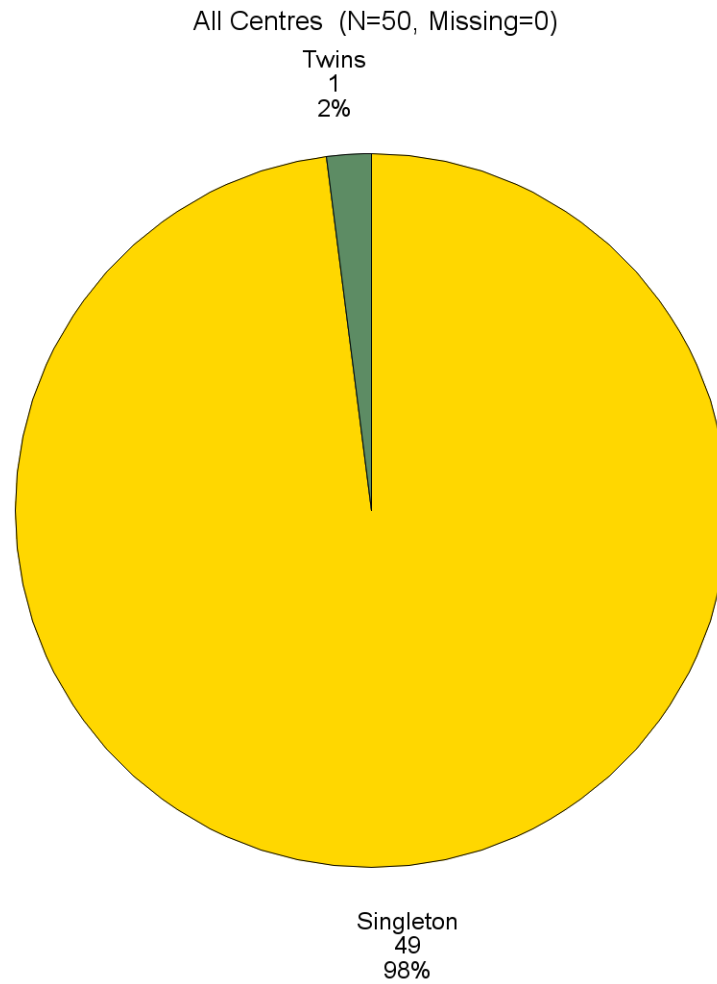
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

Figure 7.11 Thawed oocytes recipient cycles (donor eggs): Birth rate per transferred embryo according to age



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

**Figure 7.12 Thawed oocytes recipient cycles (donor eggs): Number of deliveries**

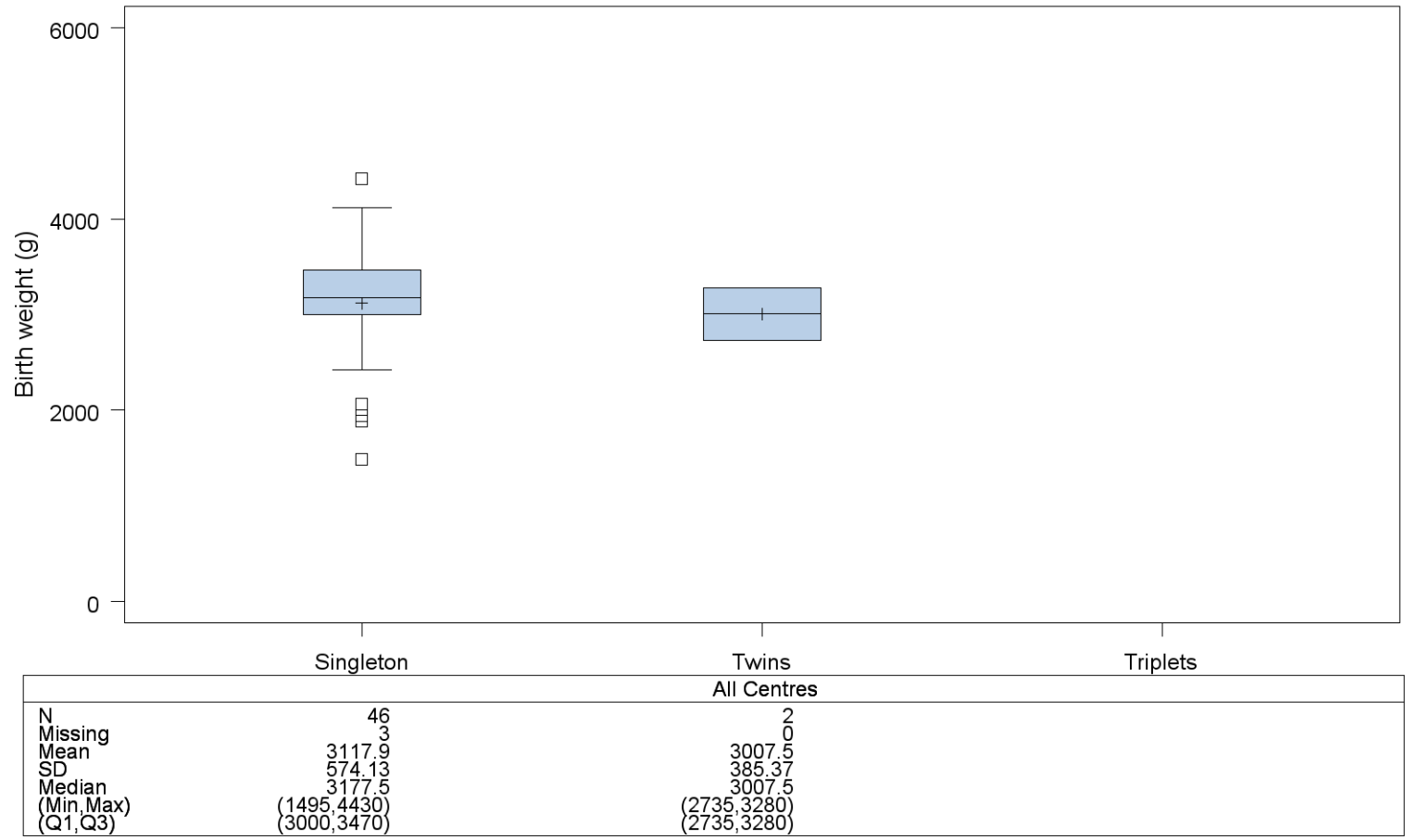


Deliveries of twins or triplets are only counted once.

**Table 7.13 Thawed oocytes recipient cycles (donor eggs): Sex of babies**

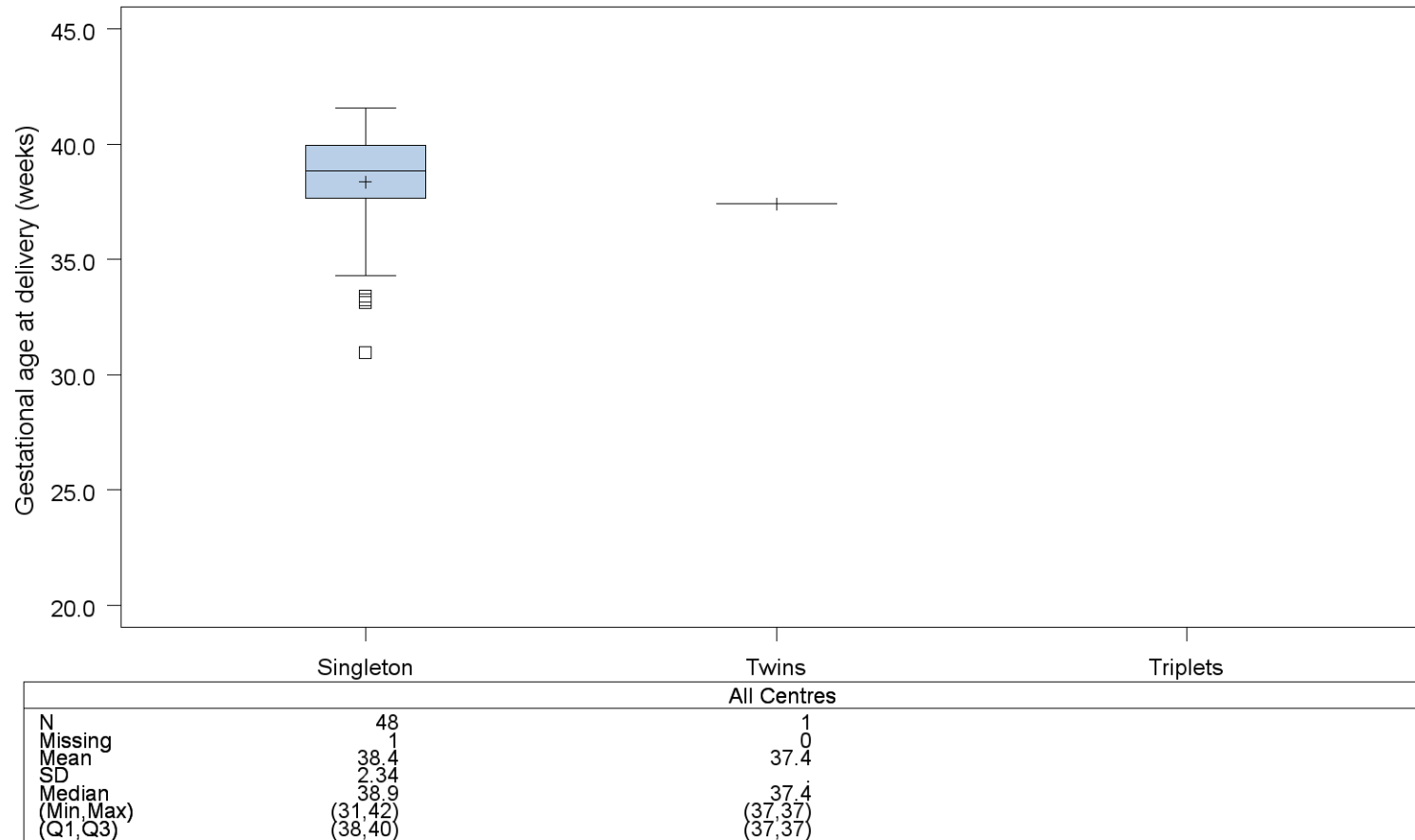
<b>All Centres (N=51, Missing=0)</b>	
<b>Sex of baby</b>	
Male	31/51 ( 60.78%)
Female	20/51 ( 39.22%)

Figure 7.14 Thawed oocytes 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 7.15 Thawed oocytes 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 7.16 Thawed oocytes recipient cycles (donor eggs): Prevalence of preterm birth according to type of pregnancy**

Gestational age at delivery (weeks)	Type of pregnancy			Total birth events
	Single birth event	Twin birth event	Triplet birth event	
<b>All Centres (N=49, Missing=1)</b>				
< 32	1 (2.1%)	0	0	1 (2.0%)
[32-37[	8 (16.7%)	0	0	8 (16.3%)
>=37	39 (81.3%)	1 (100.0%)	0	40 (81.6%)
Total	48 (100.0%)	1 (100.0%)	0	49 (100.0%)

Twin or triplet birth is counted as one birth event.



**Table 7.17 Thawed oocytes recipient cycles (donor eggs): Prevalence of low birth weight according to type of pregnancy**

Birth weight (g)	Type of pregnancy			Total
	Singletons	Twins	Triplets	
<b>All Centres (N=48, Missing=3)</b>				
< 1500	1 (2.2%)	0	0	1 (2.1%)
[1500-2500[	6 (13.0%)	0	0	6 (12.5%)
>= 2500	39 (84.8%)	2 (100.0%)	0	41 (85.4%)
Total	46 (100.0%)	2 (100.0%)	0	48 (100.0%)

**Section 8: Cryo embryo recipient cycles (donor eggs)**

**Table 8.1 Cryo embryo recipient cycles (donor eggs): Overview of cryo cycles**

<b>Cryo cycle</b>	<b>All Centres</b>	
Initiated	1019	(100.0%)
Cancelled	22	(2.2%)
Thawed	997	(97.8%)
Embryo Transfer	974	(95.6%)

**Table 8.2 Cryo embryo recipient cycles (donor eggs): Number of embryos transferred**

	<b>All Centres</b>
<b>Number of cycles with transfer</b>	974
<b>Number of embryos transferred</b>	
1	706/974 ( 72.48%)
2	268/974 ( 27.52%)
<b>Total number of embryos transferred</b>	1242

Based on all cycles with at least one embryo transferred.

**Table 8.3 Cryo embryo recipient cycles (donor eggs): Pituitary inhibition**

	<b>Statistic</b>	<b>All Centres (N=1017, Missing=2)</b>
<b>Pituitary inhibition</b>		
Yes	n/N (%)	16/1017 ( 1.57%)
No	n/N (%)	1001/1017 ( 98.43%)

**Table 8.4 Cryo embryo recipient cycles (donor eggs): Endometrial preparation**

	<b>Statistic</b>	<b>All Centres (N=1019)</b>
Stimulation with clomiphene	n/N (%)	0/999 ( 0.00%)
Stimulation with gonadotrophins	n/N (%)	12/999 ( 1.20%)
Substitution cycle	n/N (%)	882/1017 ( 86.73%)
Spontaneous/modified cycle	n/N (%)	115/1015 ( 11.33%)
Other stimulation	n/N (%)	7/1015 ( 0.69%)

**Table 8.5 Cryo embryo recipient cycles (donor eggs): Number of HCG+ pregnancies according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=1019, Missing=0)</b>					
Initiated cycles	244	152	240	383	1019
Thawing cycles	235	150	237	375	997
Transfers	229	146	234	365	974
HCG + per initiated cycle	103/244 (42.2%) (42.2% - 42.2%)	53/152 (34.9%) (34.9% - 34.9%)	80/240 (33.3%) (33.3% - 33.3%)	107/383 (27.9%) (27.9% - 27.9%)	343/1019 (33.7%) (33.7% - 33.7%)
HCG + per thawing cycles	103/235 (43.8%) (43.8% - 43.8%)	53/150 (35.3%) (35.3% - 35.3%)	80/237 (33.8%) (33.8% - 33.8%)	107/375 (28.5%) (28.5% - 28.5%)	343/997 (34.4%) (34.4% - 34.4%)
HCG + per embryo transfer	103/229 (45.0%) (45.0% - 45.0%)	53/146 (36.3%) (36.3% - 36.3%)	80/234 (34.2%) (34.2% - 34.2%)	107/365 (29.3%) (29.3% - 29.3%)	343/974 (35.2%) (35.2% - 35.2%)

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 HCG results as negative and positive, respectively.

**Table 8.6 Cryo embryo recipient cycles (donor eggs): Number of clinical pregnancies according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=1019, Missing=0)</b>					
Initiated cycles	244	152	240	383	1019
Thawing cycles	235	150	237	375	997
Transfers	229	146	234	365	974
Clinical Pregnancy per initiated cycle	60/213 (28.2%) (24.6% - 37.3%)	22/126 (17.5%) (14.5% - 31.6%)	45/207 (21.7%) (18.8% - 32.5%)	50/334 (15.0%) (13.1% - 25.8%)	177/880 (20.1%) (17.4% - 31.0%)
Clinical Pregnancy per thawing cycles	60/204 (29.4%) (25.5% - 38.7%)	22/124 (17.7%) (14.7% - 32.0%)	45/204 (22.1%) (19.0% - 32.9%)	50/326 (15.3%) (13.3% - 26.4%)	177/858 (20.6%) (17.8% - 31.7%)
Clinical Pregnancy per embryo transfer	60/198 (30.3%) (26.2% - 39.7%)	22/120 (18.3%) (15.1% - 32.9%)	45/201 (22.4%) (19.2% - 33.3%)	50/316 (15.8%) (13.7% - 27.1%)	177/835 (21.2%) (18.2% - 32.4%)

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 8.7 Cryo embryo recipient cycles (donor eggs): Number of clinical pregnancies including FHB according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=1019, Missing=0)</b>					
Initiated cycles	244	152	240	383	1019
Thawing cycles	235	150	237	375	997
Transfers	229	146	234	365	974
FHB: 1/2/3	58/0	21/0	43/0	47/1	169/1
Clinical Pregnancy + FHB per initiated cycle	58/212 (27.4%) (23.8% - 36.9%)	21/126 (16.7%) (13.8% - 30.9%)	43/206 (20.9%) (17.9% - 32.1%)	48/334 (14.4%) (12.5% - 25.3%)	170/878 (19.4%) (16.7% - 30.5%)
Clinical Pregnancy + FHB per thawing cycles	58/203 (28.6%) (24.7% - 38.3%)	21/124 (16.9%) (14.0% - 31.3%)	43/203 (21.2%) (18.1% - 32.5%)	48/326 (14.7%) (12.8% - 25.9%)	170/856 (19.9%) (17.1% - 31.2%)
Clinical Pregnancy + FHB per embryo transfer	58/197 (29.4%) (25.3% - 39.3%)	21/120 (17.5%) (14.4% - 32.2%)	43/200 (21.5%) (18.4% - 32.9%)	48/316 (15.2%) (13.2% - 26.6%)	170/833 (20.4%) (17.5% - 31.9%)

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 results as negative and positive, respectively.



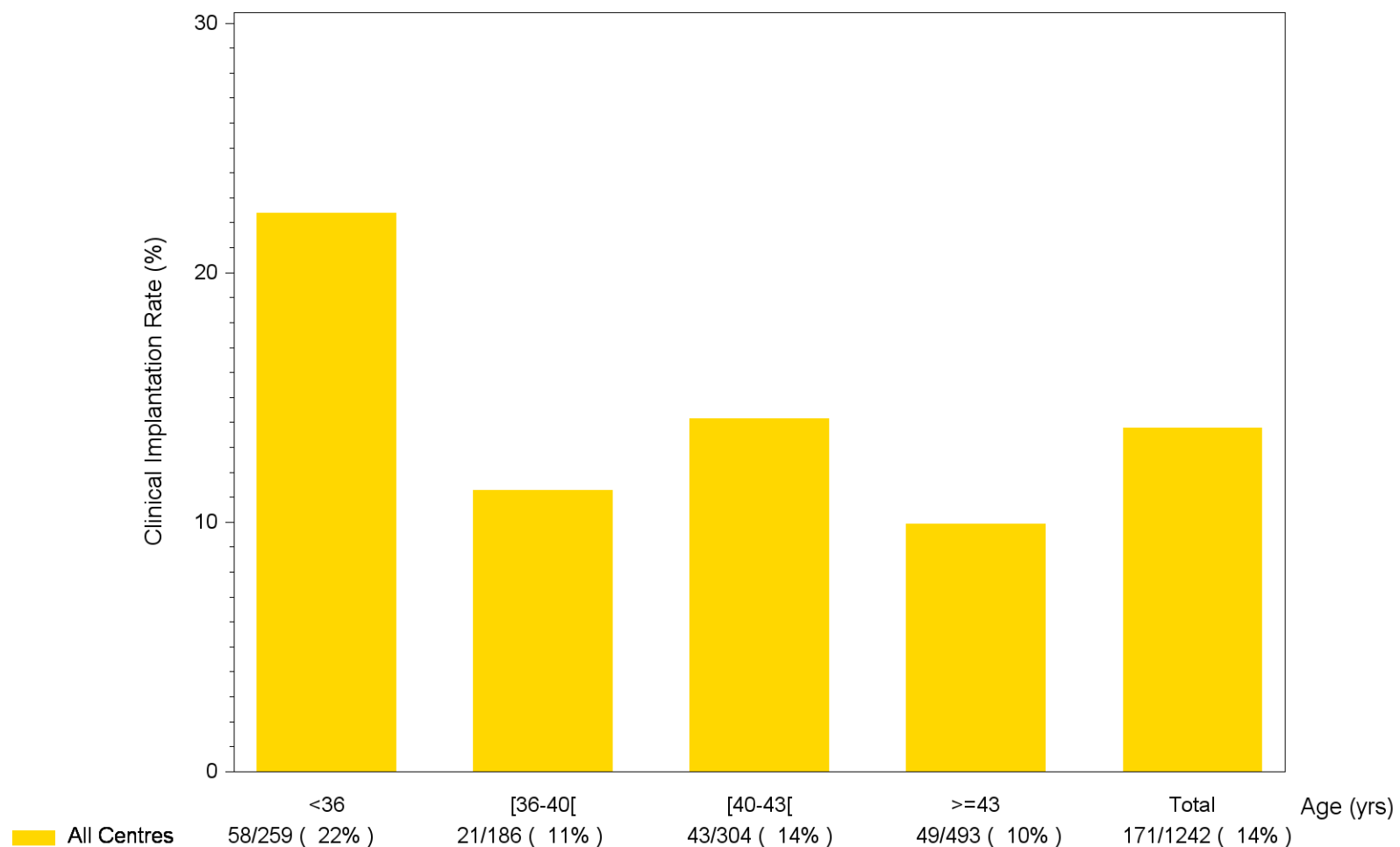
**Table 8.8 Cryo embryo recipient cycles (donor eggs): Number of deliveries according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=1019, Missing=0)</b>					
Initiated cycles	244	152	240	383	1019
Thawing cycles	235	150	237	375	997
Transfers	229	146	234	365	974
Number per delivery: 1/2/3	46/0/0	18/0/0	32/3/0	34/6/1	130/9/1
Delivery rate per initiated cycle	46/216 (21.3%) (18.9% - 30.3%)	18/126 (14.3%) (11.8% - 28.9%)	35/207 (16.9%) (14.6% - 28.3%)	41/332 (12.3%) (10.7% - 24.0%)	140/881 (15.9%) (13.7% - 27.3%)
Delivery rate per thawing cycles	46/207 (22.2%) (19.6% - 31.5%)	18/124 (14.5%) (12.0% - 29.3%)	35/204 (17.2%) (14.8% - 28.7%)	41/324 (12.7%) (10.9% - 24.5%)	140/859 (16.3%) (14.0% - 27.9%)
Delivery rate per embryo transfer	46/201 (22.9%) (20.1% - 32.3%)	18/120 (15.0%) (12.3% - 30.1%)	35/201 (17.4%) (15.0% - 29.1%)	41/314 (13.1%) (11.2% - 25.2%)	140/836 (16.7%) (14.4% - 28.5%)

NA=no cycles with data available.

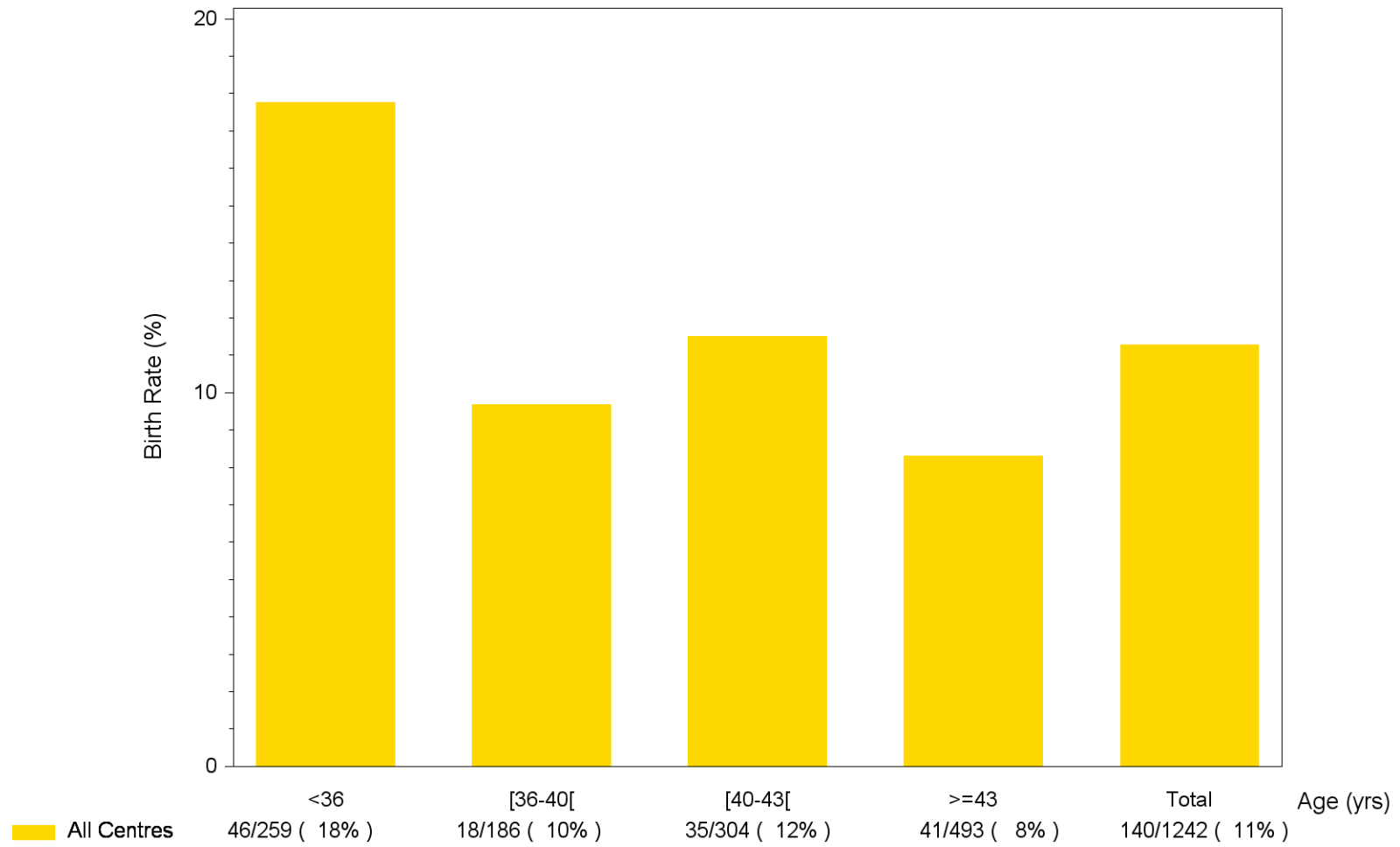
In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing delivery as negative and positive, respectively.

**Figure 8.9 Cryo embryo recipient cycles (donor eggs): Clinical implantation rate (No. of FHB) per transferred embryo according to age**



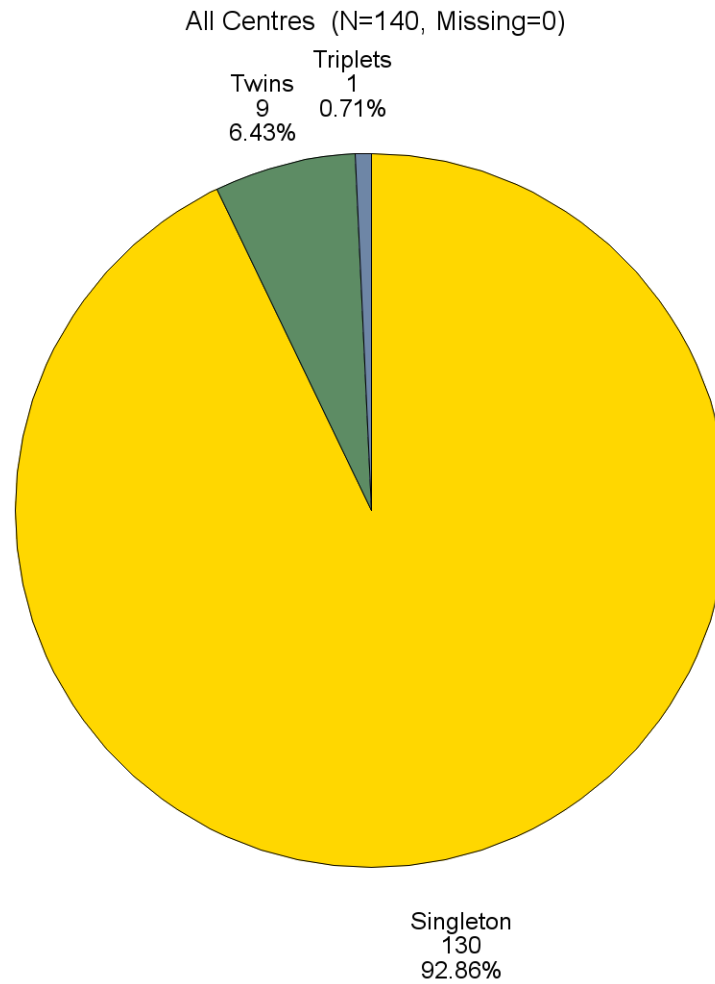
n/N (%) where n = Total number of FHB; N = Total number of embryos transferred; %= n\*100/N; NA = No cycles with data available.

**Figure 8.10 Cryo embryo recipient cycles (donor eggs): Birth rate per transferred embryo according to age**



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

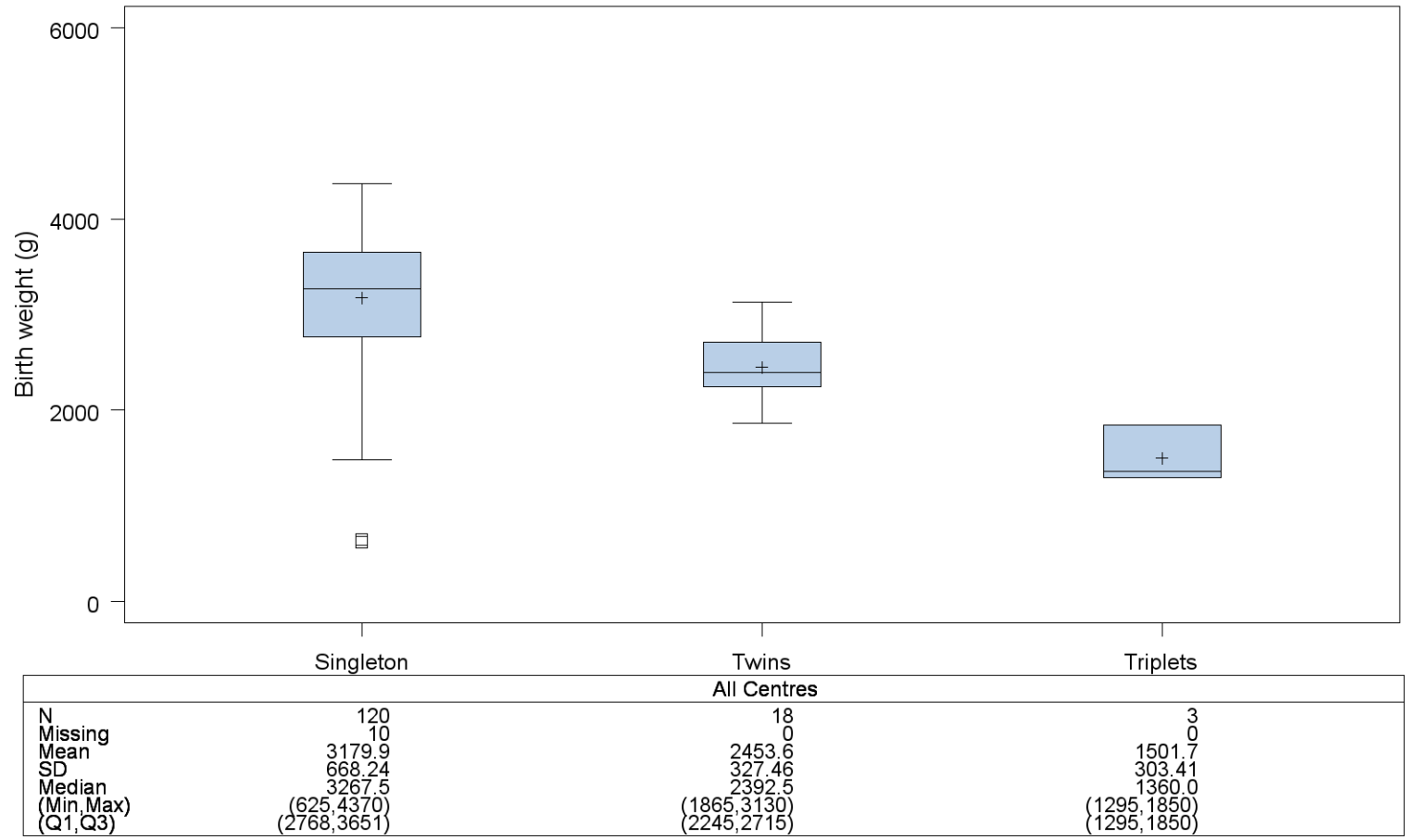
Figure 8.11 Cryo embryo recipient cycles (donor eggs): Number of deliveries



**Table 8.12 Cryo embryo recipient cycles (donor eggs): Sex of babies**

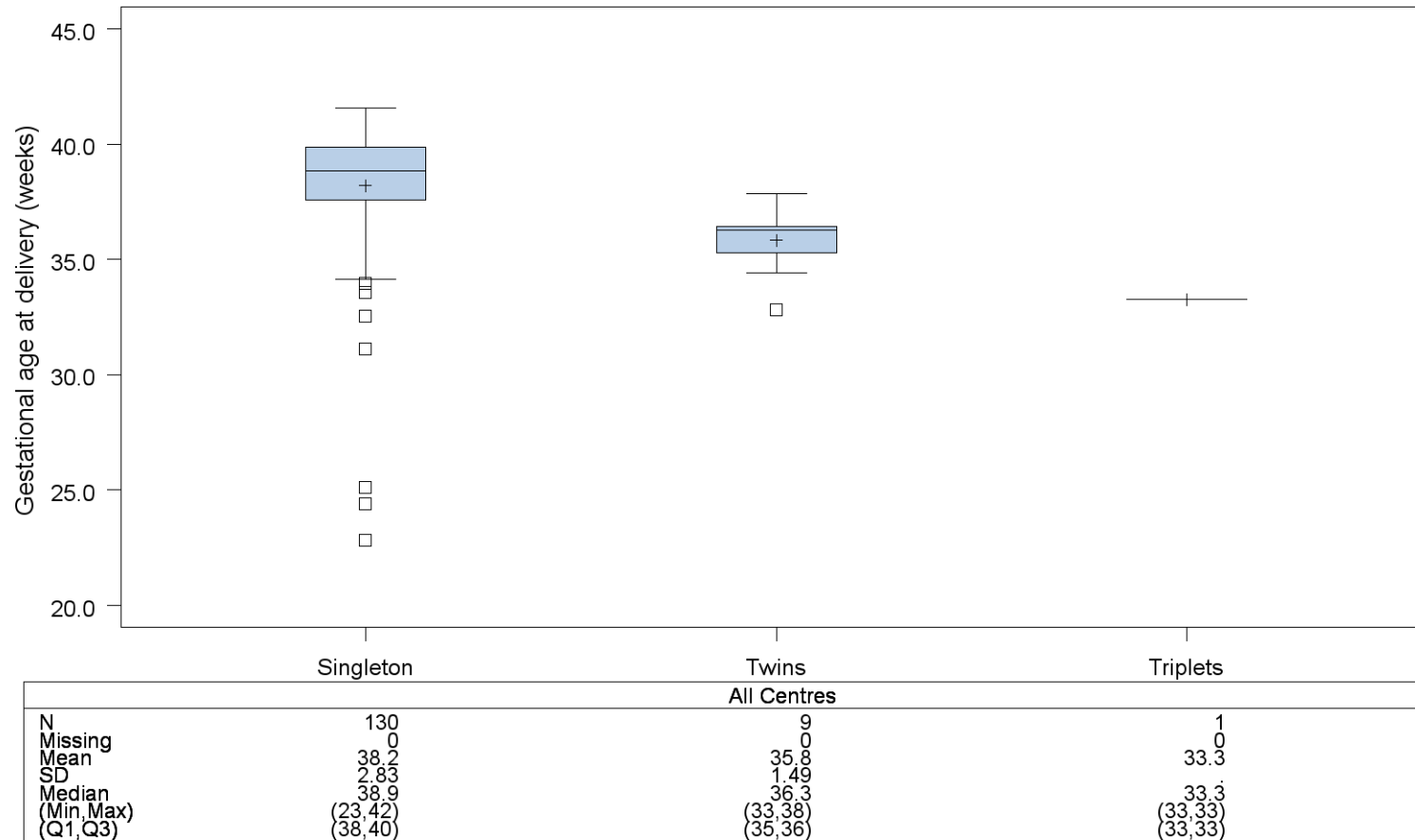
<b>All Centres (N=151, Missing=0)</b>	
<b>Sex of baby</b>	
Male	72/151 ( 47.68%)
Female	73/151 ( 48.34%)
Unknown	6/151 ( 3.97%)

**Figure 8.13 Cryo embryo 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 8.14 Cryo embryo 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 8.15 Cryo embryo recipient cycles (donor eggs): Prevalence of preterm birth according to type of pregnancy**

Gestational age at delivery (weeks)	Type of pregnancy			Total birth events
	Single birth event	Twin birth event	Triplet birth event	
<b>All Centres (N=140, Missing=0)</b>				
< 32	4 (3.1%)	0	0	4 (2.9%)
[32-37[	18 (13.8%)	7 (77.8%)	1 (100.0%)	26 (18.6%)
>=37	108 (83.1%)	2 (22.2%)	0	110 (78.6%)
Total	130 (100.0%)	9 (100.0%)	1 (100.0%)	140 (100.0%)

Twin or triplet birth is counted as one birth event.



**Table 8.16 Cryo embryo recipient cycles (donor eggs): Prevalence of low birth weight according to type of pregnancy**

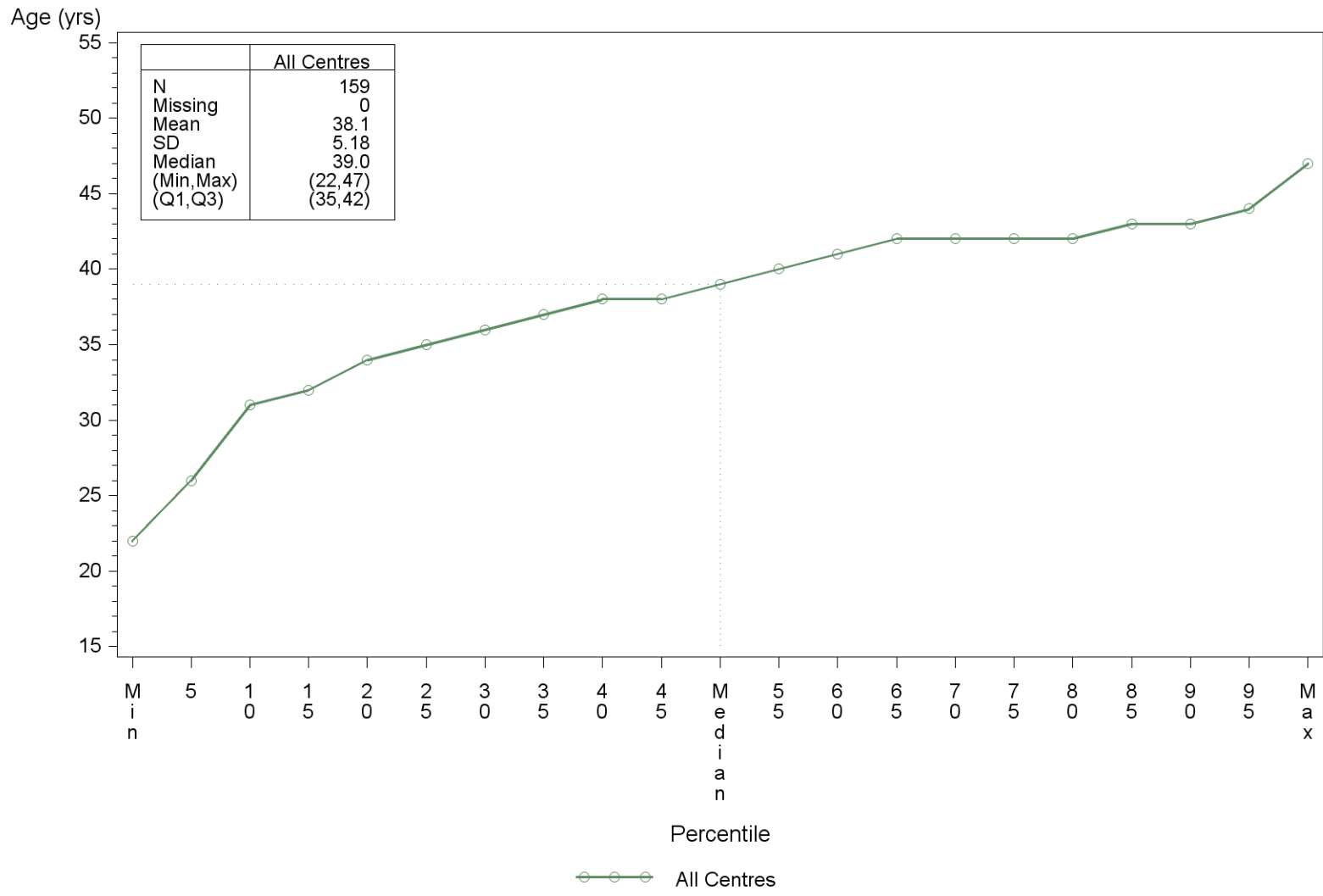
Birth weight (g)	Type of pregnancy			Total
	Singletons	Twins	Triplets	
<b>All Centres (N=141, Missing=10)</b>				
< 1500	3 (2.5%)	0	2 (66.7%)	5 (3.5%)
[1500-2500[	13 (10.8%)	11 (61.1%)	1 (33.3%)	25 (17.7%)
>= 2500	104 (86.7%)	7 (38.9%)	0	111 (78.7%)
Total	120 (100.0%)	18 (100.0%)	3 (100.0%)	141 (100.0%)

### Section 7: Thawed oocytes recipient cycles

**Table 9.1 Thawed own oocytes cycles: Overview of cycles**

<b>Cycle</b>	<b>All Centres</b>
Initiated	159 (100.0%)
Cancelled	28 (17.6%)
At least one oocyte received	131 (82.4%)
Embryo Transfer	86 (54.1%)

Figure 9.2 Thawed own oocytes cycles: Female age distribution



**Table 9.3 Thawed own oocytes cycles: Endometrial preparation**

	<b>Statistic</b>	<b>All Centres (N=159)</b>
Stimulation with clomiphene	n/N (%)	0/147 ( 0.00%)
Stimulation with gonadotrophins	n/N (%)	5/147 ( 3.40%)
Substitution cycle	n/N (%)	99/150 ( 66.00%)
Spontaneous/modified cycle	n/N (%)	42/150 ( 28.00%)
Other stimulation	n/N (%)	1/150 ( 0.67%)

Patients can receive different medications.

**Table 9.4 Thawed own oocytes cycles: Number of embryos transferred**

	<b>All Centres</b>
<b>Number of cycles with transfer</b>	213
<b>Number of embryos transferred</b>	
1	195/213 ( 91.55%)
2	13/213 ( 6.10%)
3	3/213 ( 1.41%)
>3	2/213 ( 0.94%)
<b>Total number of embryos transferred</b>	238

Based on all cycles with at least one embryo transferred.

**Table 9.5 Thawed own oocytes cycles: Number of HCG+ pregnancies according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=159, Missing=0)</b>					
Initiated cycles	44	39	48	28	159
At least one oocyte received	34	32	42	23	131
Transfers	19	18	33	16	86
HCG + per initiated cycle	2/42 (4.8%) (4.5% - 9.1%)	8/39 (20.5%) (20.5% - 20.5%)	14/48 (29.2%) (29.2% - 29.2%)	3/28 (10.7%) (10.7% - 10.7%)	27/157 (17.2%) (17.0% - 18.2%)
HCG + per cycles with at least one oocyte received	2/32 (6.3%) (5.9% - 11.8%)	8/32 (25.0%) (25.0% - 25.0%)	14/42 (33.3%) (33.3% - 33.3%)	3/23 (13.0%) (13.0% - 13.0%)	27/129 (20.9%) (20.6% - 22.1%)
HCG + per embryo transfer	2/17 (11.8%) (10.5% - 21.1%)	8/18 (44.4%) (44.4% - 44.4%)	14/33 (42.4%) (42.4% - 42.4%)	3/16 (18.8%) (18.8% - 18.8%)	27/84 (32.1%) (31.4% - 33.7%)

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 HCG results as negative and positive, respectively.

**Table 9.6 Thawed own oocytes cycles: Number of clinical pregnancies according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=159, Missing=0)</b>					
Initiated cycles	44	39	48	28	159
At least one oocyte received	34	32	42	23	131
Transfers	19	18	33	16	86
Clinical Pregnancy per initiated cycle	2/42 (4.8%) (4.5% - 9.1%)	4/36 (11.1%) (10.3% - 17.9%)	5/40 (12.5%) (10.4% - 27.1%)	2/28 (7.1%) (7.1% - 7.1%)	13/146 (8.9%) (8.2% - 16.4%)
Clinical Pregnancy per cycles with at least one oocyte received	2/32 (6.3%) (5.9% - 11.8%)	4/29 (13.8%) (12.5% - 21.9%)	5/34 (14.7%) (11.9% - 31.0%)	2/23 (8.7%) (8.7% - 8.7%)	13/118 (11.0%) (9.9% - 19.8%)
Clinical Pregnancy per embryo transfer	2/17 (11.8%) (10.5% - 21.1%)	4/15 (26.7%) (22.2% - 38.9%)	5/25 (20.0%) (15.2% - 39.4%)	2/16 (12.5%) (12.5% - 12.5%)	13/73 (17.8%) (15.1% - 30.2%)

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 9.7 Thawed own oocytes cycles: Number of clinical pregnancies including FHB according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=159, Missing=0)</b>					
Initiated cycles	44	39	48	28	159
At least one oocyte received	34	32	42	23	131
Transfers	19	18	33	16	86
FHB: 1/2/3	2	4	5	2	13
Clinical Pregnancy + FHB per initiated cycle	2/42 (4.8%) (4.5% - 9.1%)	4/36 (11.1%) (10.3% - 17.9%)	5/40 (12.5%) (10.4% - 27.1%)	2/28 (7.1%) (7.1% - 7.1%)	13/146 (8.9%) (8.2% - 16.4%)
Clinical Pregnancy + FHB per cycles with at least one oocyte received	2/32 (6.3%) (5.9% - 11.8%)	4/29 (13.8%) (12.5% - 21.9%)	5/34 (14.7%) (11.9% - 31.0%)	2/23 (8.7%) (8.7% - 8.7%)	13/118 (11.0%) (9.9% - 19.8%)
Clinical Pregnancy + FHB per embryo transfer	2/17 (11.8%) (10.5% - 21.1%)	4/15 (26.7%) (22.2% - 38.9%)	5/25 (20.0%) (15.2% - 39.4%)	2/16 (12.5%) (12.5% - 12.5%)	13/73 (17.8%) (15.1% - 30.2%)

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.



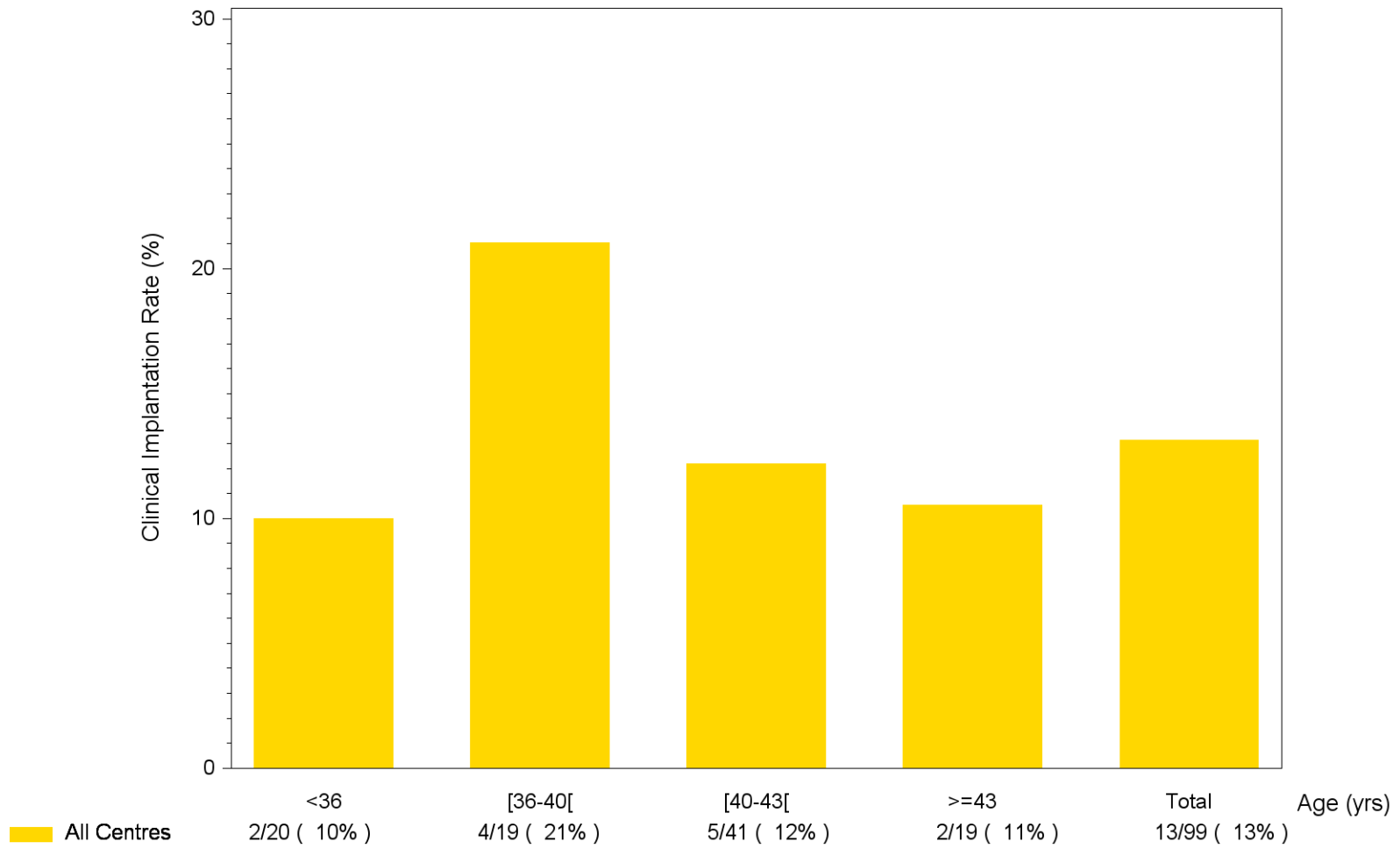
**Table 9.8 Thawed own oocytes cycles: Number of deliveries according to age**

Age (yrs)	< 36	[36-40[	[40-43[	>=43	All ages
<b>All Centres (N=159, Missing=0)</b>					
Initiated cycles	44	39	48	28	159
At least one oocyte received	34	32	42	23	131
Transfers	19	18	33	16	86
Number per delivery: 1/2/3	2/0/0	4/0/0	4/0/0	0/0/0	10/0/0
Delivery rate per initiated cycle	2/42 (4.8%) (4.5% - 9.1%)	4/36 (11.1%) (10.3% - 17.9%)	4/41 (9.8%) (8.3% - 22.9%)	0/28 (0.0%) (0.0% - 0.0%)	10/147 (6.8%) (6.3% - 13.8%)
Delivery rate per cycles with at least one oocyte received	2/32 (6.3%) (5.9% - 11.8%)	4/29 (13.8%) (12.5% - 21.9%)	4/35 (11.4%) (9.5% - 26.2%)	0/23 (0.0%) (0.0% - 0.0%)	10/119 (8.4%) (7.6% - 16.8%)
Delivery rate per embryo transfer	2/17 (11.8%) (10.5% - 21.1%)	4/15 (26.7%) (22.2% - 38.9%)	4/26 (15.4%) (12.1% - 33.3%)	0/16 (0.0%) (0.0% - 0.0%)	10/74 (13.5%) (11.6% - 25.6%)

NA=no cycles with data available.

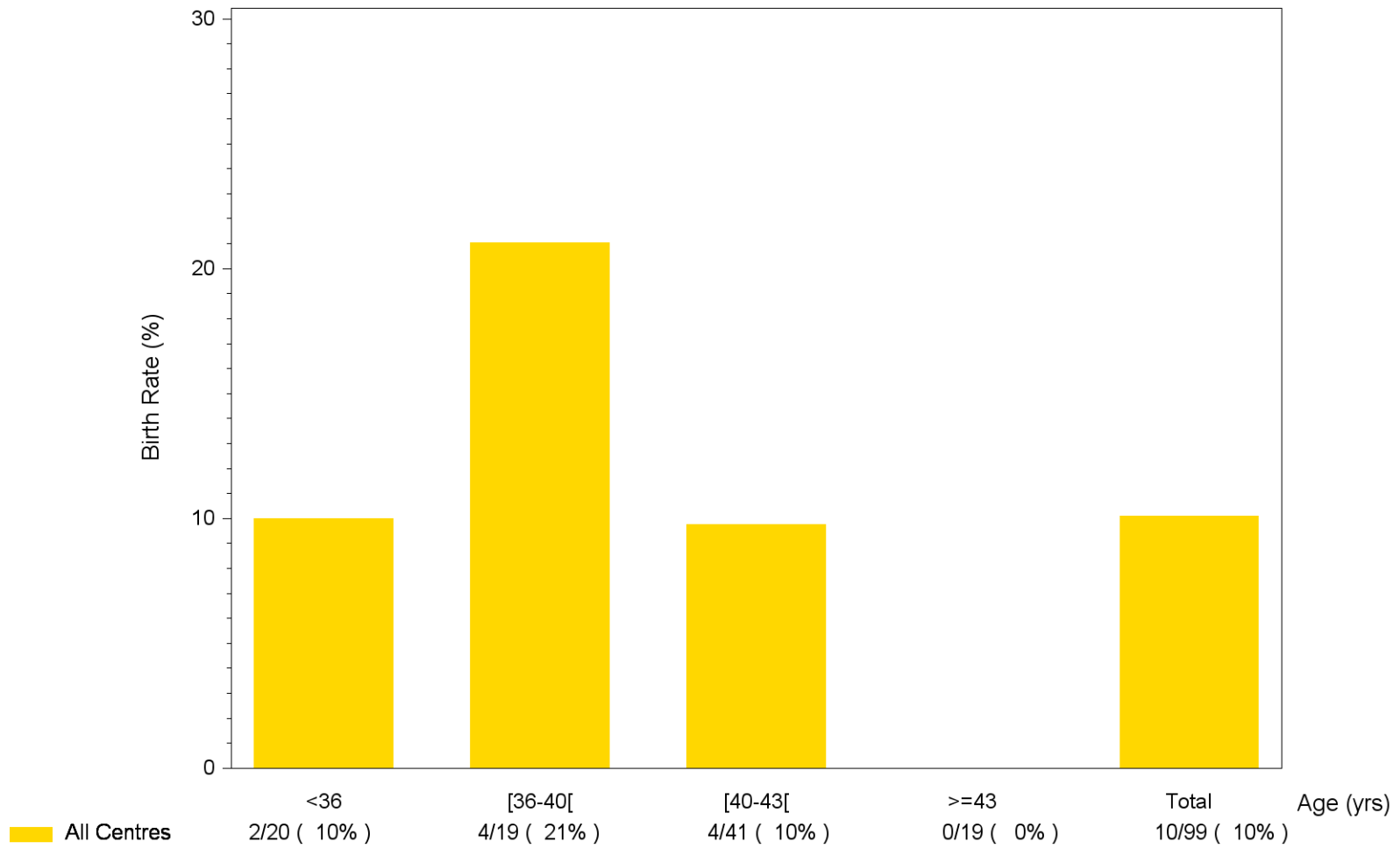
In the calculation of the ratios, only cycles with available data are considered. In the line underneath, the range expresses the minimum and maximum possible rates when accounting for missing data by considering missing delivery as negative and positive, respectively.

**Figure 9.9 Thawed own oocytes 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.

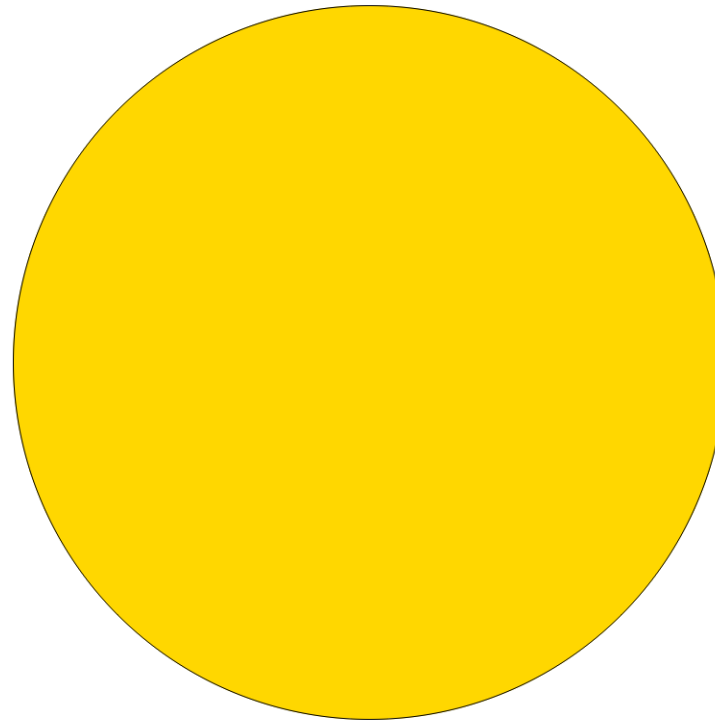
**Figure 9.10 Thawed own oocytes cycles: Birth rate per transferred embryo according to age**



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

**Figure 9.11 Thawed own oocytes cycles: Number of deliveries**

All Centres (N=10, Missing=0)



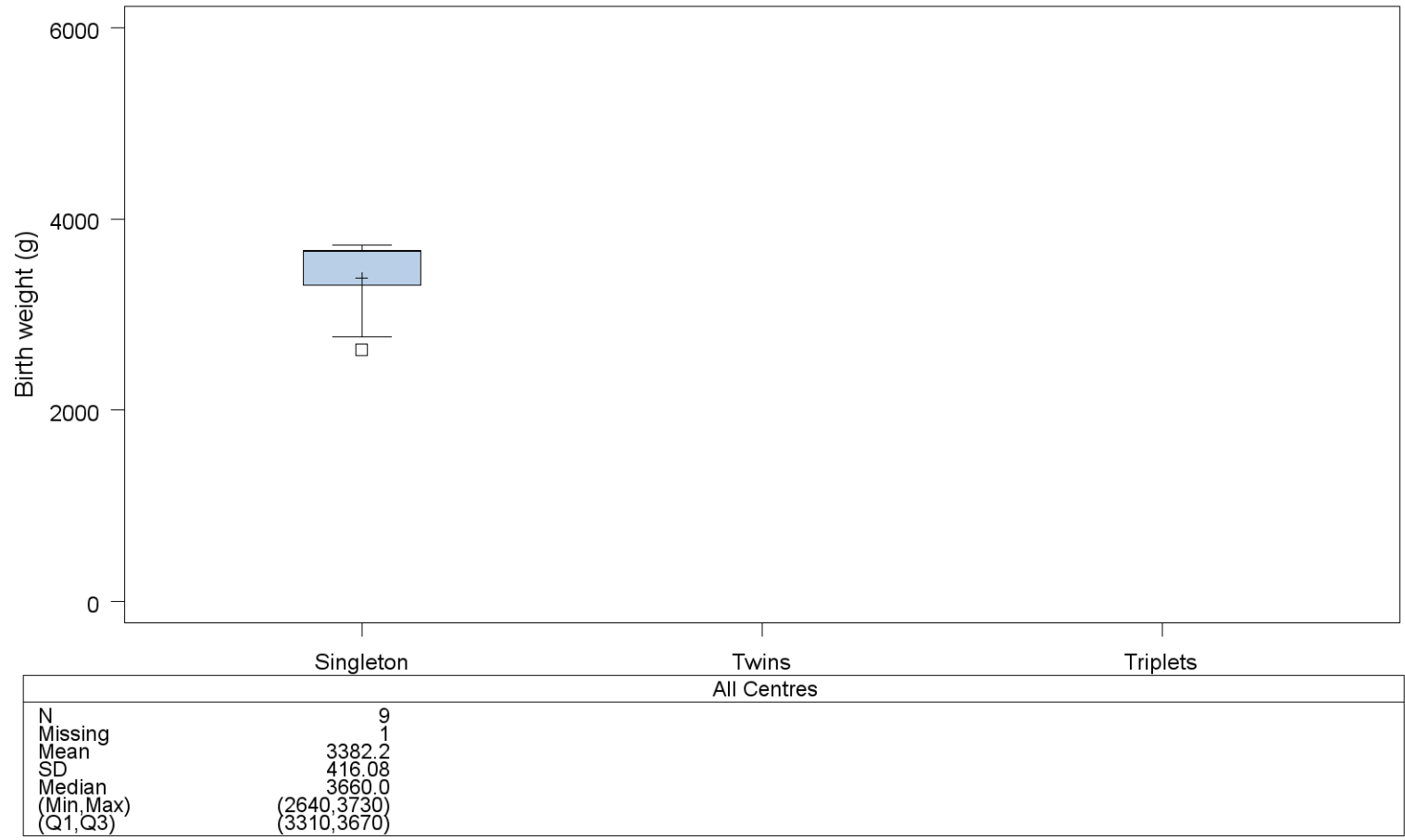
Singleton  
10  
100%

Deliveries of twins or triplets are only counted once.

**Table 9.12 Thawed own oocytes cycles: Sex of babies**

<b>All Centres (N=10, Missing=0)</b>	
<b>Sex of baby</b>	
Male	3/10 ( 30.00%)
Female	7/10 ( 70.00%)

**Figure 9.13 Thawed own oocytes 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 9.14 Thawed own oocytes cycles: Gestational age at delivery (boxplot)**

Gestational age at delivery (weeks)	Type of pregnancy			Total birth events
	Single birth event	Twin birth event	Triplet birth event	
<b>All Centres (N=9, Missing=1)</b>				
< 32	0	0	0	0
[32-37[	0	0	0	0
>=37	9 (100.0%)	0	0	9 (100.0%)
Total	9 (100.0%)	0	0	9 (100.0%)

Twin or triplet birth is counted as one birth event.

**Table 9.16 Thawed own oocytes cycles: Prevalence of low birth weight according to type of pregnancy**

Birth weight (g)	Type of pregnancy			Total
	Singletons	Twins	Triplets	
<b>All Centres (N=9, Missing=1)</b>				
< 1500	0	0	0	0
[1500-2500[	0	0	0	0
>= 2500	9 (100.0%)	0	0	9 (100.0%)
Total	9 (100.0%)	0	0	9 (100.0%)



## Section 9: Appendix

**Table 10.1: Definitions**

<b>Term</b>	<b>Definition</b>
Own fresh cycle (standard)	Cycle where the patient's own eggs are fertilized with sperm from partner or donor. This includes the intended mother in case of surrogacy.
Own oocyte freezing cycle	Cycle where the patient's own eggs are only frozen and not fertilized.
Own thawed oocyte cycle	Cycle where thawed own eggs are fertilized with sperm from partner or donor.
Own embryo cryo cycle	Cycle where own embryos are thawed.
Fresh oocyte recipient cycle	Cycle where fresh eggs from an oocyte donor are fertilized with sperm from the recipient's partner or a sperm donor
Thawed oocyte recipient cycle	Cycle where thawed donor eggs are fertilized with sperm from partner or donor.
Cryo embryo recipient cycle - donor egg	Cycle where embryos originating from an egg donor are thawed.
Fresh oocyte donor cycle	Cycle where all fresh oocytes are donated for third party reproduction.
Fresh oocyte sharing cycle	Cycle where one part of the patient's own eggs is fertilized with sperm from partner or donor and the other part is donated for third party reproduction.
Mixed (fresh + thawed) cycle	Cycle where a combination of a fresh and thawed cycle is performed.
Unspecified fresh cycle	Cycle using fresh oocytes without specific details provided.
Unspecified cryo cycle	Cycle using thawed oocytes or embryos without specific details provided.
Unknown cycle type	Cycle without any details provided.
Fresh surrogate carrier cycle	Cycle where fresh embryos originating from another woman's oocyte and another man's sperm are transferred in the surrogate carrier.
Freeze-all cycle	Cycle in which, after oocyte aspiration, all oocytes and/or embryos are cryopreserved and no oocytes and/or embryos are transferred to a woman in that cycle.
Cryo embryo recipient cycle - donor embryo	Cycle where thawed embryos originating from an embryo donor couple are thawed.

Term	Definition
Thawed surrogate carrier cycle	Cycle where thawed embryos originating from another woman (the intended mother) are thawed for transfer in the surrogate carrier.
Clinical pregnancy	The presence of intra- or extra-uterine sacs on an ultrasound scan.
Delivery	Birth of a child, death or alive, of $\geq 500\text{g}$ or $\geq 22$ 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.
Birth rate per transferred embryo	Rate calculated as all births (twin or triple birth counted as 1 birth) over sum of all embryos transferred.

**Table 10.2: List of B-centres having supplied data**

<b>City</b>	<b>Centre</b>
Antwerpen	Centrum voor Reproductieve Geneeskunde, ZNA Middelheim
Braine L'alleud	Centre de Fécondation In Vitro, C.H. Interrégional Edith Cavell (CHIREC)
Brugge	CRG Brugge-Kortrijk, AZ Sint-Jan Brugge-Oostende AV
Brussel	Centrum voor Reproductieve Geneeskunde, UZ Brussel
Bruxelles	Clinique de Procréation Médicalement Assistée, Hôpital Universitaire Saint-Pierre – U.L.B.
Bruxelles	Service de Gynécologie-Andrologie, Cliniques Universitaires Saint-Luc – U.C.L.
Bruxelles	Centre de FIV de l'ULB, Hôpital Erasme
Charleroi	Service Gyn/Obst, GHdC, Clinique Notre Dame
Edegem	Centrum voor Reproductieve Geneeskunde, Universitair Ziekenhuis Antwerpen
Genk	Genk Institute for Fertility Technology - GIFT, Ziekenhuis Oost-Limburg - St. Jan
Gent	Vrouwenkliniek - afdeling reproductieve geneeskunde, U.Z. – Gent
Gent	Centrum voor Fertiliteitstherapie, A.Z. Jan Palfijn
Leuven	Dienst Gynaecologie, Universitaire Ziekenhuizen KU Leuven Gasthuisberg
Leuven	Unit Reproductieve Geneeskunde, Regionaal Ziekenhuis Heilig Hart
Libramont	Centre d'Infertilité, Centre Hospitalier de l'Ardenne
Liège	CPMA-ULiège, Centre Hospitalier Régional de Liège
Namur	Service PMA, Centre Hospitalier Régional de Namur
Rocourt	Centre Liégeois pour l'Etude et le Traitement de la Stérilité, Clinique Saint Vincent

## Colophon

### **College van Geneesheren "Reproductieve Geneeskunde"/**

### **Collège de Médecins "Médecine de la Reproduction"**

D. Stoop, President

A. Delbaere, Vice-President

L. Henry, Secretary

M. De Vos, Secretary

E. Anagnostou, Member

C. Autin, Member

S. Lie Fong, Member

A. van de Vijver, Member

### **Data handling and analysis**

**Interuniversity Institute for Biostatistics and statistical Bioinformatics, Katholieke Universiteit Leuven & Universiteit Hasselt**

A. Belmans, K. Bogaerts

### **Ecole de Santé Publique, Université de Liège**

A. Albert, N. Gillain, M. Guillaume, E. Husson

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