

2016 NATIONAL SUMMARY

Comparison of success rates across clinics may not be meaningful. Patient medical characteristics and treatment approaches vary (see pages 11–21).

2016 ART CYCLE PROFILE

Type of ART and Procedural Factors ^a				Patient Diagnosis ^{a,b}					
IVF	>99%	With ICSI	66%	Tubal factor	12%	Uterine factor	6%	Multiple Factors:	
Unstimulated	1%	PGD/PGS	22%	Ovulatory dysfunction	16%	Male factor	32%	Female factors only	13%
Used gestational carrier	3%			Diminished ovarian reserve	31%	Other factor	21%	Female & male factors	17%
				Endometriosis	8%	Unknown factor	13%		

2016 ART SUCCESS RATES^{c,d}

Total number of cycles^d: 263,577
(includes 934 cycle[s] using fresh embryos from frozen nondonor eggs)

Type of Cycle	Age of Patient				
	<35	35–37	38–40	41–42	>42
Fresh Embryos from Fresh Nondonor Eggs					
Number of cycles	36,625	18,278	16,109	8,264	6,961
Percentage of cancellations before retrieval (%)	6.2	10.9	16.3	20.0	22.6
Number of transfers	24,878	11,672	9,149	4,093	2,894
Average number of embryos transferred	1.5	1.7	2.0	2.4	2.4
Percentage of elective single embryo transfers (eSET) (%)	42.7	25.2	9.0	3.7	2.8
Outcomes per Cycle					
Percentage of cycles resulting in pregnancies (%)	35.9	29.5	21.7	12.6	6.3
Percentage of cycles resulting in live births (%)	31.0	24.0	15.5	8.0	3.2
Percentage of cycles resulting in singleton live births (%)	24.9	19.0	12.7	7.0	2.9
Percentage of cycles resulting in twin live births (%)	5.9	4.8	2.8	1.0	0.4
Percentage of cycles resulting in term, normal weight and singleton live births ^e (%)	21.0	15.8	10.4	5.6	2.2
Outcomes per Transfer					
Percentage of embryos transferred resulting in implantation (%)	41.8	32.6	22.0	11.7	5.9
Percentage of transfers resulting in pregnancies (%)	52.9	46.2	38.3	25.5	15.2
Percentage of transfers resulting in live births (%)	45.7	37.6	27.4	16.1	7.8
Percentage of transfers resulting in singleton live births (%)	36.7	29.8	22.3	14.1	6.9
Percentage of transfers resulting in twin live births (%)	8.7	7.6	4.8	2.0	0.9
Percentage of transfers resulting in term, normal weight and singleton live births ^e (%)	30.9	24.7	18.3	11.3	5.3
Frozen Embryos from Nondonor Eggs					
Number of cycles	39,894	21,400	15,529	5,749	3,694
Number of transfers	37,461	19,913	14,200	5,142	3,194
Estimated average number of transfers per retrieval	1.2	1.0	0.8	0.6	0.4
Average number of embryos transferred	1.4	1.4	1.4	1.4	1.6
Percentage of embryos transferred resulting in implantation (%)	49.6	46.7	42.6	35.5	23.9
Percentage of transfers resulting in pregnancies (%)	59.3	57.1	54.1	48.6	38.1
Percentage of transfers resulting in live births (%)	49.4	46.5	42.7	37.9	27.7
Percentage of transfers resulting in singleton live births (%)	41.5	40.3	37.9	34.5	25.2
Percentage of transfers resulting in twin live births (%)	7.8	6.1	4.7	3.3	2.5
Percentage of transfers resulting in term, normal weight and singleton live births ^e (%)	35.4	34.2	32.0	28.9	20.9
Number of Egg or Embryo Banking Cycles					
Number of fertility preservation cycles	20,949	14,556	14,913	7,661	7,761
	4,273	3,941	3,286	1,258	1,174
Donor Eggs^f					
	Fresh Eggs	Frozen Eggs	Frozen Embryos	Donated Embryos	
Number of cycles	5,644	3,329	13,458	1,869	
Number of transfers	4,446	2,723	12,391	1,758	
Average number of embryos transferred	1.5	1.5	1.4	1.7	
Percentage of embryos transferred resulting in implantation (%)	53.9	41.9	46.1	38.4	
Percentage of transfers resulting in pregnancies (%)	65.0	54.7	55.8	53.1	
Percentage of transfers resulting in live births (%)	54.6	44.9	44.8	42.7	
Percentage of transfers resulting in singleton live births (%)	41.7	36.2	37.7	33.9	
Percentage of transfers resulting in twin live births (%)	12.7	8.4	6.9	8.5	
Percentage of transfers resulting in term, normal weight and singleton live births ^e (%)	32.5	28.1	29.4	26.8	

CURRENT SERVICES & PROFILE

Number of reporting clinics: 463

Percentage of clinics that allow cycles involving:		Clinic profile:	
Donor eggs	88%	Single women	99%
Donor embryos	63%	Gestational carriers	88%
Embryo cryopreservation	>99%	SART member	82%
Egg cryopreservation	97%	Verified lab accreditation	
		Yes	92%
		No	5%
		Pending	2%

^a Excludes cycles evaluating new procedures and banking cycles; unstimulated percentage includes fresh egg cycles only.

^b Total patient diagnosis percentages may be greater than 100% because more than one diagnosis can be reported for each ART cycle.

^c Multiple-infant births (for example, twins) with at least one live infant are counted as one live birth.

^d Total cycle number and success rates exclude 2 cycle(s) evaluating new procedures. Success rates exclude cycles using fresh embryos from frozen nondonor eggs.

^e In this report, births are defined as term if at least 37 full weeks gestation and normal birth weight if at least 2,500 grams (approximately 5 pounds, 8 ounces).

^f All ages are reported together because previous data show that patient age does not materially affect success with donor eggs.