

UNC FERTILITY RALEIGH, NORTH CAROLINA

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

2016 ART CYCLE PROFILE

Data verified by Jennifer E. Mersereau, MD

Type of ART and Procedural Factors ^a				Patient Diagnosis ^{a,b}				
IVF	100%	With ICSI	60%	Tubal factor	14%	Uterine factor	2%	Multiple Factors: Female factors only 5% Female & male factors 8%
Unstimulated	<1%	PGD/PGS	9%	Ovulatory dysfunction	17%	Male factor	32%	
Used gestational carrier	<1%			Diminished ovarian reserve	17%	Other factor	7%	
				Endometriosis	6%	Unknown factor	20%	

2016 ART SUCCESS RATES^{c,d}

Total number of cycles^d: 573
(includes 1 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	134	59	46	17	6
Percentage of cancellations before retrieval (%)	10.4	11.9	28.3	6 / 17	1 / 6
Number of transfers	83	41	27	7	2
Average number of embryos transferred	1.2	1.9	2.4	2.7	2.5
Percentage of elective single embryo transfers (eSET) (%)	75.6	15.0	0.0	0 / 7	0 / 2
Outcomes per Cycle					
Percentage of cycles resulting in pregnancies (%)	31.3	39.0	17.4	3 / 17	0 / 6
Percentage of cycles resulting in live births (%)	27.6	33.9	13.0	3 / 17	0 / 6
Percentage of cycles resulting in singleton live births (%)	26.9	22.0	13.0	2 / 17	0 / 6
Percentage of cycles resulting in twin live births (%)	0.7	11.9	0.0	1 / 17	0 / 6
Percentage of cycles resulting in term, normal weight and singleton live births ^e (%)	22.4	20.3	8.7	2 / 17	0 / 6
Outcomes per Transfer					
Percentage of embryos transferred resulting in implantation (%)	42.0	42.9	12.1	4 / 19	0 / 5
Percentage of transfers resulting in pregnancies (%)	50.6	56.1	29.6	3 / 7	0 / 2
Percentage of transfers resulting in live births (%)	44.6	48.8	22.2	3 / 7	0 / 2
Percentage of transfers resulting in singleton live births (%)	43.4	31.7	22.2	2 / 7	0 / 2
Percentage of transfers resulting in twin live births (%)	1.2	17.1	0.0	1 / 7	0 / 2
Percentage of transfers resulting in term, normal weight and singleton live births ^e (%)	36.1	29.3	14.8	2 / 7	0 / 2
Frozen Embryos from Nondonor Eggs					
Number of cycles	103	68	29	8	2
Number of transfers	96	62	29	8	2
Estimated average number of transfers per retrieval	1.5	2.2	1.2	1.1	1.0
Average number of embryos transferred	1.3	1.4	1.6	1.8	1.5
Percentage of embryos transferred resulting in implantation (%)	61.6	45.1	54.5	8 / 14	0 / 3
Percentage of transfers resulting in pregnancies (%)	71.9	59.7	65.5	6 / 8	0 / 2
Percentage of transfers resulting in live births (%)	60.4	37.1	48.3	6 / 8	0 / 2
Percentage of transfers resulting in singleton live births (%)	55.2	33.9	27.6	4 / 8	0 / 2
Percentage of transfers resulting in twin live births (%)	5.2	3.2	20.7	2 / 8	0 / 2
Percentage of transfers resulting in term, normal weight and singleton live births ^e (%)	50.0	30.6	20.7	4 / 8	0 / 2
Number of Egg or Embryo Banking Cycles					
Number of fertility preservation cycles	12	14	16	4	1
	7	6	5	2	0
Donor Eggs^f					
	Fresh Eggs	Frozen Eggs	Frozen Embryos	Donated Embryos	
Number of cycles	22	6	24	1	
Number of transfers	20	6	17	1	
Average number of embryos transferred	1.1	1.2	1.2	2.0	
Percentage of embryos transferred resulting in implantation (%)	72.7	5 / 7	70.0	1 / 2	
Percentage of transfers resulting in pregnancies (%)	75.0	4 / 6	13 / 17	1 / 1	
Percentage of transfers resulting in live births (%)	55.0	4 / 6	11 / 17	1 / 1	
Percentage of transfers resulting in singleton live births (%)	50.0	3 / 6	9 / 17	1 / 1	
Percentage of transfers resulting in twin live births (%)	5.0	1 / 6	2 / 17	0 / 1	
Percentage of transfers resulting in term, normal weight and singleton live births ^e (%)	50.0	2 / 6	6 / 17	1 / 1	

CURRENT SERVICES & PROFILE

Current Name: UNC Fertility

Donor eggs?	Yes	Embryo cryopreservation?	Yes	Single women?	Yes	SART member?	Yes
Donor embryos?	Yes	Egg cryopreservation?	Yes	Gestational carriers?	Yes	Verified lab accreditation?	Yes

^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 Fractions are used for rates with denominators less than 20. 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 0 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.