

## DUKE FERTILITY CENTER DUKE UNIVERSITY MEDICAL CENTER DURHAM, 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 L. Eaton, MD

Type of ART and Procedural Factors <sup>a</sup>				Patient Diagnosis <sup>a,b</sup>				
IVF	100%	With ICSI	62%	Tubal factor	8%	Uterine factor	1%	Multiple Factors: Female factors only 11% Female & male factors 19%
Unstimulated	0%	PGD/PGS	2%	Ovulatory dysfunction	14%	Male factor	44%	
Used gestational carrier	<1%			Diminished ovarian reserve	30%	Other factor	10%	
				Endometriosis	9%	Unknown factor	17%	

### 2016 ART SUCCESS RATES<sup>c,d</sup>

Total number of cycles<sup>d</sup>: 358  
(includes 0 cycle[s] using fresh embryos from frozen nondonor eggs)

Type of Cycle	Age of Patient				
	<35	35–37	38–40	41–42	>42
<b>Fresh Embryos from Fresh Nondonor Eggs</b>					
Number of cycles	72	35	38	18	3
Percentage of cancellations before retrieval (%)	9.7	17.1	10.5	3 / 18	0 / 3
Number of transfers	48	23	26	8	2
Average number of embryos transferred	1.6	1.7	2.3	3.0	2.5
Percentage of elective single embryo transfers (eSET) (%)	40.9	4 / 19	4.2	0 / 7	0 / 2
<b>Outcomes per Cycle</b>					
Percentage of cycles resulting in pregnancies (%)	31.9	28.6	23.7	2 / 18	2 / 3
Percentage of cycles resulting in live births (%)	30.6	20.0	15.8	0 / 18	2 / 3
Percentage of cycles resulting in singleton live births (%)	27.8	17.1	15.8	0 / 18	1 / 3
Percentage of cycles resulting in twin live births (%)	2.8	2.9	0.0	0 / 18	1 / 3
Percentage of cycles resulting in term, normal weight and singleton live births <sup>e</sup> (%)	25.0	17.1	15.8	0 / 18	1 / 3
<b>Outcomes per Transfer</b>					
Percentage of embryos transferred resulting in implantation (%)	34.2	28.9	11.3	4.5	3 / 5
Percentage of transfers resulting in pregnancies (%)	47.9	43.5	34.6	2 / 8	2 / 2
Percentage of transfers resulting in live births (%)	45.8	30.4	23.1	0 / 8	2 / 2
Percentage of transfers resulting in singleton live births (%)	41.7	26.1	23.1	0 / 8	1 / 2
Percentage of transfers resulting in twin live births (%)	4.2	4.3	0.0	0 / 8	1 / 2
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)	37.5	26.1	23.1	0 / 8	1 / 2
<b>Frozen Embryos from Nondonor Eggs</b>					
Number of cycles	77	24	17	2	7
Number of transfers	73	21	17	1	6
Estimated average number of transfers per retrieval	1.8	0.9	1.4	0.3	1.5
Average number of embryos transferred	1.4	1.8	1.9	2.0	2.0
Percentage of embryos transferred resulting in implantation (%)	33.3	22.9	20.0	0 / 2	1 / 8
Percentage of transfers resulting in pregnancies (%)	47.9	42.9	7 / 17	0 / 1	3 / 6
Percentage of transfers resulting in live births (%)	39.7	33.3	5 / 17	0 / 1	1 / 6
Percentage of transfers resulting in singleton live births (%)	38.4	33.3	5 / 17	0 / 1	1 / 6
Percentage of transfers resulting in twin live births (%)	1.4	0.0	0 / 17	0 / 1	0 / 6
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)	32.9	28.6	5 / 17	0 / 1	1 / 6
<b>Number of Egg or Embryo Banking Cycles</b>					
Number of fertility preservation cycles	9	9	1	2	2
	2	7	0	1	0
<b>Donor Eggs<sup>f</sup></b>					
	<b>Fresh Eggs</b>	<b>Frozen Eggs</b>	<b>Frozen Embryos</b>	<b>Donated Embryos</b>	
Number of cycles	18	0	24	0	
Number of transfers	18	0	20	0	
Average number of embryos transferred	1.4		1.4		
Percentage of embryos transferred resulting in implantation (%)	28.0		30.8		
Percentage of transfers resulting in pregnancies (%)	6 / 18		45.0		
Percentage of transfers resulting in live births (%)	5 / 18		40.0		
Percentage of transfers resulting in singleton live births (%)	3 / 18		40.0		
Percentage of transfers resulting in twin live births (%)	2 / 18		0.0		
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)	3 / 18		35.0		

### CURRENT SERVICES & PROFILE

Current Name: Duke Fertility Center, Duke University Medical Center

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

<sup>a</sup> Excludes cycles evaluating new procedures and banking cycles; unstimulated percentage includes fresh egg cycles only.

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

<sup>c</sup> 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.

<sup>d</sup> Total cycle number and success rates exclude 0 cycle(s) evaluating new procedures. Success rates exclude cycles using fresh embryos from frozen nondonor eggs.

<sup>e</sup> 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).

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