

# REPRODUCTIVE SCIENCE CENTER LEXINGTON, MASSACHUSETTS

Comparison of success rates across clinics may not be meaningful. Patient medical characteristics and treatment approaches vary (see pages 11–20).

## 2013 ART CYCLE PROFILE

Data verified by Samuel C. Pang, MD

Type of ART and Procedural Factors <sup>a</sup>				Patient Diagnosis <sup>b</sup>				
IVF	100%	With ICSI	43%	Tubal factor	15%	Uterine factor	3%	<i>Multiple Factors:</i> Female factors only 7% Female & male factors 18%
Unstimulated	<1%	Used PGD	2%	Ovulatory dysfunction	14%	Male factor	43%	
Used gestational carrier	<1%			Diminished ovarian reserve	22%	Other factor	8%	
				Endometriosis	6%	Unknown factor	19%	

## 2013 ART SUCCESS RATES<sup>c</sup>

Total number of cycles<sup>d</sup>: 2,586 (includes 85 cycle[s] using frozen eggs)

Type of Cycle	Age of Woman					
	<35	35–37	38–40	41–42	43–44	>44
<b>Fresh Embryos from Nondonor Eggs</b>						
Number of cycles	775	430	385	198	56	0
Percentage of cancellations (%)	3.2	7.2	10.9	7.1	14.3	
Average number of embryos transferred	1.4	1.7	2.2	3.0	3.0	
Percentage of embryos transferred resulting in implantation (%)	39.3	30.6	16.8	7.0	3.1	
Percentage of elective single embryo transfers (eSET) (%)	47.0	22.5	4.7	0.7	0.0	
<b>Outcomes per Cycle</b>						
Percentage of cycles resulting in term, normal weight & singleton live births <sup>e</sup> (%)	29.0	24.0	13.0	9.1	5.4	
Percentage of cycles resulting in singleton live births (%)	33.0	26.5	14.8	10.1	5.4	
Percentage of cycles resulting in twin live births (%)	5.9	5.3	4.2	1.5	0.0	
Percentage of cycles resulting in live births (%)	39.1	31.9	19.0	11.6	5.4	
Percentage of cycles resulting in pregnancies (%)	44.4	39.1	26.0	18.7	7.1	
<b>Outcomes per Transfer</b>						
Number of transfers	700	364	309	165	42	0
Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%)	32.1	28.3	16.2	10.9	7.1	
Percentage of transfers resulting in singleton live births (%)	36.6	31.3	18.4	12.1	7.1	
Percentage of transfers resulting in twin live births (%)	6.6	6.3	5.2	1.8	0.0	
Percentage of transfers resulting in live births (%)	43.3	37.6	23.6	13.9	7.1	
Percentage of transfers resulting in pregnancies (%)	49.1	46.2	32.4	22.4	9.5	
<b>Frozen Embryos from Nondonor Eggs</b>						
Number of cycles	264	130	96	22	14	3
Number of transfers	232	108	82	18	9	2
Estimated average number of transfers per retrieval	1.2	1.3	1.2	2.0	1.1	
Average number of embryos transferred	1.3	1.4	1.6	1.9	1.4	1.0
Percentage of embryos transferred resulting in implantation (%)	48.3	45.6	20.5	14.3	2 / 13	1 / 2
Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%)	33.6	30.6	20.7	1 / 18	1 / 9	1 / 2
Percentage of transfers resulting in singleton live births (%)	38.4	32.4	22.0	3 / 18	2 / 9	1 / 2
Percentage of transfers resulting in twin live births (%)	6.5	10.2	1.2	0 / 18	0 / 9	0 / 2
Percentage of transfers resulting in live births (%)	45.3	42.6	23.2	3 / 18	2 / 9	1 / 2
Percentage of transfers resulting in pregnancies (%)	54.7	56.5	36.6	6 / 18	2 / 9	1 / 2
<b>Number of Egg/Embryo Banking Cycles</b>						
	15	11	8	1	1	0
<b>Donor Eggs</b>		<b>Fresh Embryos<sup>f</sup></b>			<b>Frozen Embryos<sup>f</sup></b>	
Number of cycles		38			54	
Number of transfers		37			43	
Average number of embryos transferred		1.3			1.1	
Percentage of embryos transferred resulting in implantation (%)		68.1			63.0	
Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%)		59.5			44.2	
Percentage of transfers resulting in singleton live births (%)		70.3			53.5	
Percentage of transfers resulting in twin live births (%)		2.7			4.7	
Percentage of transfers resulting in live births (%)		73.0			58.1	
Percentage of transfers resulting in pregnancies (%)		78.4			67.4	

## CURRENT SERVICES & PROFILE

Current Name: Reproductive Science Center

Donor eggs?	Yes	Gestational carriers?	Yes	Single women?	Yes	Verified lab accreditation?	Yes
Donor embryos?	Yes	Embryo cryopreservation?	Yes	SART member?	Yes	(See Appendix C for details.)	

<sup>a</sup> Reflects features of fresh nondonor cycles. If IVF is <100%, the remaining cycles are GIFT, ZIFT, or a combination of these procedures with IVF.

<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 (e.g., twins) with at least one live infant are counted as one live birth.

<sup>d</sup> Total cycle number includes those using frozen eggs. It excludes 0 cycle(s) evaluating new procedures. Both cycle types are excluded from ART success rates.

<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.