

# MASSACHUSETTS GENERAL HOSPITAL FERTILITY CENTER BOSTON, MASSACHUSETTS

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

## 2015 ART CYCLE PROFILE

Data verified by Thomas L. Toth, MD

Type of ART and Procedural Factors <sup>a</sup>				Patient Diagnosis <sup>b</sup>				
IVF	100%	With ICSI	51%	Tubal factor	16%	Uterine factor	4%	<i>Multiple Factors:</i> Female factors only 10% Female & male factors 17%
Unstimulated	0%	PGD/PGS	1%	Ovulatory dysfunction	10%	Male factor	38%	
Used gestational carrier	<1%			Diminished ovarian reserve	25%	Other factor	8%	
				Endometriosis	7%	Unknown factor	21%	

## 2015 ART SUCCESS RATES<sup>c</sup>

Total number of cycles<sup>d</sup>: 919 (includes 0 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	246	144	136	56	25	0
Percentage of cancellations before retrieval (%)	6.1	5.6	9.6	10.7	4.0	
Average number of embryos transferred	1.3	1.5	2.2	3.1	3.6	
Percentage of embryos transferred resulting in implantation (%)	50.0	33.5	22.9	8.7	7.0	
Percentage of elective single embryo transfers (eSET) (%)	58.4	41.7	3.0	0.0	0.0	
<b>Outcomes per Cycle</b>						
Percentage of cycles resulting in term, normal weight & singleton live births <sup>e</sup> (%)	35.0	29.9	23.5	3.6	8.0	
Percentage of cycles resulting in singleton live births (%)	40.2	32.6	25.7	3.6	8.0	
Percentage of cycles resulting in twin live births (%)	5.7	2.1	4.4	3.6	0.0	
Percentage of cycles resulting in live births (%)	45.9	34.7	30.1	7.1	8.0	
Percentage of cycles resulting in pregnancies (%)	52.0	41.7	36.0	16.1	28.0	
<b>Outcomes per Transfer</b>						
Number of transfers	215	131	116	48	22	0
Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%)	40.0	32.8	27.6	4.2	9.1	
Percentage of transfers resulting in singleton live births (%)	46.0	35.9	30.2	4.2	9.1	
Percentage of transfers resulting in twin live births (%)	6.5	2.3	5.2	4.2	0.0	
Percentage of transfers resulting in live births (%)	52.6	38.2	35.3	8.3	9.1	
Percentage of transfers resulting in pregnancies (%)	59.5	45.8	42.2	18.8	31.8	
<b>Frozen Embryos from Nondonor Eggs</b>						
Number of cycles	78	61	32	8	8	1
Number of transfers	78	61	32	7	7	1
Estimated average number of transfers per retrieval	1.3	1.3	0.9	1.4	3.5	
Average number of embryos transferred	1.2	1.3	1.5	1.3	2.3	1.0
Percentage of embryos transferred resulting in implantation (%)	42.1	38.0	27.1	5 / 9	3 / 14	0 / 1
Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%)	29.5	36.1	31.3	2 / 7	1 / 7	0 / 1
Percentage of transfers resulting in singleton live births (%)	38.5	42.6	40.6	2 / 7	1 / 7	0 / 1
Percentage of transfers resulting in twin live births (%)	1.3	1.6	0.0	0 / 7	0 / 7	0 / 1
Percentage of transfers resulting in live births (%)	39.7	44.3	40.6	2 / 7	1 / 7	0 / 1
Percentage of transfers resulting in pregnancies (%)	48.7	49.2	40.6	3 / 7	4 / 7	0 / 1
<b>Number of Egg/Embryo Banking Cycles</b>						
	24	25	24	3	1	0
<b>Donor Eggs</b>		<b>Fresh Embryos<sup>f</sup></b>			<b>Frozen Embryos<sup>f</sup></b>	
Number of cycles		30			17	
Number of transfers		27			16	
Average number of embryos transferred		1.4			1.3	
Percentage of embryos transferred resulting in implantation (%)		63.9			52.4	
Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%)		48.1			5 / 16	
Percentage of transfers resulting in singleton live births (%)		51.9			6 / 16	
Percentage of transfers resulting in twin live births (%)		14.8			2 / 16	
Percentage of transfers resulting in live births (%)		66.7			8 / 16	
Percentage of transfers resulting in pregnancies (%)		74.1			8 / 16	

## CURRENT SERVICES & PROFILE

Current Name: Massachusetts General Hospital Fertility Center

Donor eggs?	Yes	Gestational carriers?	Yes	Single women?	Yes	Verified lab accreditation?	Yes
Donor embryos?	No	Embryo cryopreservation?	Yes	SART member?	Yes	(See Appendix C for details.)	

<sup>a</sup> Reflects features of fresh nondonor cycles. If IVF is less than 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 (for example, 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.