

# MICHIGAN REPRODUCTIVE MEDICINE BLOOMFIELD HILLS, MICHIGAN

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 Michael S. Mersol-Barg, MD

Type of ART and Procedural Factors <sup>a</sup>				Patient Diagnosis <sup>a,b</sup>				
IVF	100%	With ICSI	81%	Tubal factor	10%	Uterine factor	4%	Multiple Factors: Female factors only 10% Female & male factors 25%
Unstimulated	3%	PGD/PGS	29%	Ovulatory dysfunction	12%	Male factor	40%	
Used gestational carrier	2%			Diminished ovarian reserve	46%	Other factor	8%	
				Endometriosis	5%	Unknown factor	14%	

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

Total number of cycles<sup>d</sup>: 240  
(includes 2 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	33	14	17	13	22
Percentage of cancellations before retrieval (%)	3.0	3 / 14	4 / 17	1 / 13	9.1
Number of transfers	26	7	8	6	12
Average number of embryos transferred	1.2	1.3	1.5	1.3	1.3
Percentage of elective single embryo transfers (eSET) (%)	13 / 19	2 / 4	1 / 5	1 / 3	0 / 4
<b>Outcomes per Cycle</b>					
Percentage of cycles resulting in pregnancies (%)	51.5	3 / 14	4 / 17	1 / 13	4.5
Percentage of cycles resulting in live births (%)	33.3	3 / 14	2 / 17	1 / 13	0.0
Percentage of cycles resulting in singleton live births (%)	27.3	2 / 14	1 / 17	1 / 13	0.0
Percentage of cycles resulting in twin live births (%)	6.1	1 / 14	1 / 17	0 / 13	0.0
Percentage of cycles resulting in term, normal weight and singleton live births <sup>e</sup> (%)	21.2	2 / 14	1 / 17	1 / 13	0.0
<b>Outcomes per Transfer</b>					
Percentage of embryos transferred resulting in implantation (%)	58.1	4 / 9	4 / 11	1 / 8	1 / 16
Percentage of transfers resulting in pregnancies (%)	65.4	3 / 7	4 / 8	1 / 6	1 / 12
Percentage of transfers resulting in live births (%)	42.3	3 / 7	2 / 8	1 / 6	0 / 12
Percentage of transfers resulting in singleton live births (%)	34.6	2 / 7	1 / 8	1 / 6	0 / 12
Percentage of transfers resulting in twin live births (%)	7.7	1 / 7	1 / 8	0 / 6	0 / 12
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)	26.9	2 / 7	1 / 8	1 / 6	0 / 12
<b>Frozen Embryos from Nondonor Eggs</b>					
Number of cycles	24	14	9	4	0
Number of transfers	23	13	9	4	0
Estimated average number of transfers per retrieval	1.0	0.7	0.7	0.4	0.0
Average number of embryos transferred	1.3	1.1	1.3	1.0	
Percentage of embryos transferred resulting in implantation (%)	37.9	6 / 13	5 / 12	2 / 4	
Percentage of transfers resulting in pregnancies (%)	47.8	6 / 13	5 / 9	2 / 4	
Percentage of transfers resulting in live births (%)	39.1	4 / 13	4 / 9	1 / 4	
Percentage of transfers resulting in singleton live births (%)	34.8	3 / 13	4 / 9	1 / 4	
Percentage of transfers resulting in twin live births (%)	4.3	1 / 13	0 / 9	0 / 4	
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)	34.8	3 / 13	4 / 9	1 / 4	
<b>Number of Egg or Embryo Banking Cycles</b>					
	17	17	11	10	3
Number of fertility preservation cycles	8	9	3	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	0	20	9	1	
Number of transfers	0	18	8	1	
Average number of embryos transferred		1.3	1.0	1.0	
Percentage of embryos transferred resulting in implantation (%)		33.3	1 / 8	0 / 1	
Percentage of transfers resulting in pregnancies (%)		7 / 18	1 / 8	0 / 1	
Percentage of transfers resulting in live births (%)		6 / 18	0 / 8	0 / 1	
Percentage of transfers resulting in singleton live births (%)		5 / 18	0 / 8	0 / 1	
Percentage of transfers resulting in twin live births (%)		1 / 18	0 / 8	0 / 1	
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)		5 / 18	0 / 8	0 / 1	

## CURRENT SERVICES & PROFILE

Current Name: Michigan Reproductive Medicine

Donor eggs?	Yes	Embryo cryopreservation?	Yes	Single women?	Yes	SART member?	No
Donor embryos?	No	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.