

# MAYO CLINIC ASSISTED REPRODUCTIVE TECHNOLOGIES ROCHESTER, MINNESOTA

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 Charles C. Coddington, MD

Type of ART and Procedural Factors <sup>a</sup>				Patient Diagnosis <sup>a,b</sup>				
IVF	100%	With ICSI	63%	Tubal factor	9%	Uterine factor	3%	Multiple Factors: Female factors only 9% Female & male factors 11%
Unstimulated	0%	PGD/PGS	10%	Ovulatory dysfunction	29%	Male factor	27%	
Used gestational carrier	2%			Diminished ovarian reserve	21%	Other factor	16%	
				Endometriosis	5%	Unknown factor	15%	

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

Total number of cycles<sup>d</sup>: 518  
(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	112	37	30	6	4
Percentage of cancellations before retrieval (%)	8.0	8.1	23.3	2 / 6	1 / 4
Number of transfers	66	29	21	3	3
Average number of embryos transferred	1.3	1.5	2.0	2.0	2.7
Percentage of elective single embryo transfers (eSET) (%)	71.9	51.9	1 / 18	0 / 3	0 / 3
<b>Outcomes per Cycle</b>					
Percentage of cycles resulting in pregnancies (%)	32.1	29.7	30.0	2 / 6	0 / 4
Percentage of cycles resulting in live births (%)	28.6	21.6	20.0	1 / 6	0 / 4
Percentage of cycles resulting in singleton live births (%)	25.0	21.6	16.7	1 / 6	0 / 4
Percentage of cycles resulting in twin live births (%)	3.6	0.0	3.3	0 / 6	0 / 4
Percentage of cycles resulting in term, normal weight and singleton live births <sup>e</sup> (%)	20.5	21.6	16.7	1 / 6	0 / 4
<b>Outcomes per Transfer</b>					
Percentage of embryos transferred resulting in implantation (%)	48.8	27.3	21.1	3 / 6	0 / 8
Percentage of transfers resulting in pregnancies (%)	54.5	37.9	42.9	2 / 3	0 / 3
Percentage of transfers resulting in live births (%)	48.5	27.6	28.6	1 / 3	0 / 3
Percentage of transfers resulting in singleton live births (%)	42.4	27.6	23.8	1 / 3	0 / 3
Percentage of transfers resulting in twin live births (%)	6.1	0.0	4.8	0 / 3	0 / 3
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)	34.8	27.6	23.8	1 / 3	0 / 3
<b>Frozen Embryos from Nondonor Eggs</b>					
Number of cycles	146	35	24	7	7
Number of transfers	136	32	22	7	4
Estimated average number of transfers per retrieval	1.7	0.8	1.0	0.7	1.3
Average number of embryos transferred	1.3	1.5	1.4	2.0	1.3
Percentage of embryos transferred resulting in implantation (%)	50.6	25.6	34.5	3 / 14	2 / 5
Percentage of transfers resulting in pregnancies (%)	61.0	40.6	45.5	2 / 7	2 / 4
Percentage of transfers resulting in live births (%)	52.9	25.0	40.9	2 / 7	2 / 4
Percentage of transfers resulting in singleton live births (%)	45.6	25.0	36.4	1 / 7	2 / 4
Percentage of transfers resulting in twin live births (%)	7.4	0.0	4.5	1 / 7	0 / 4
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)	42.6	25.0	31.8	1 / 7	2 / 4
<b>Number of Egg or Embryo Banking Cycles</b>					
Number of fertility preservation cycles	33	23	16	8	3
	11	8	3	2	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	3	10	12	0	
Number of transfers	2	9	12	0	
Average number of embryos transferred	1.5	1.2	1.1		
Percentage of embryos transferred resulting in implantation (%)	3 / 3	9 / 11	8 / 13		
Percentage of transfers resulting in pregnancies (%)	2 / 2	6 / 9	8 / 12		
Percentage of transfers resulting in live births (%)	2 / 2	6 / 9	8 / 12		
Percentage of transfers resulting in singleton live births (%)	1 / 2	4 / 9	8 / 12		
Percentage of transfers resulting in twin live births (%)	1 / 2	2 / 9	0 / 12		
Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%)	1 / 2	3 / 9	5 / 12		

## CURRENT SERVICES & PROFILE

This clinic has reorganized since 2016. Contact the NASS Help Desk for further information.  
Current Name: Mayo Clinic Assisted Reproductive Technologies

Donor eggs?	Yes	Embryo cryopreservation?	Yes	Single women?	Yes	SART member?	Yes
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.