# 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[a]

| | | | |
|---|---|---|---|
| IVF | 100% | With ICSI | 43% |
| Unstimulated | <1% | Used PGD | 2% |
| Used gestational carrier | <1% | | |

### Patient Diagnosis[b]

| | | | | | |
|---|---|---|---|---|---|
| Tubal factor | 15% | Uterine factor | 3% | *Multiple Factors:* | |
| Ovulatory dysfunction | 14% | Male factor | 43% | Female factors only | 7% |
| Diminished ovarian reserve | 22% | Other factor | 8% | Female & male factors | 18% |
| Endometriosis | 6% | Unknown factor | 19% | | |

## 2013 ART SUCCESS RATES[c]

Total number of cycles[d]: 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 |
| **Fresh Embryos from Nondonor Eggs** | | | | | | |
| 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 | |
| **Outcomes per Cycle** | | | | | | |
| Percentage of cycles resulting in term, normal weight & singleton live births[e] (%) | 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 | |
| **Outcomes per Transfer** | | | | | | |
| Number of transfers | 700 | 364 | 309 | 165 | 42 | 0 |
| Percentage of transfers resulting in term, normal weight & singleton live births[e] (%) | 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 | |
| **Frozen Embryos from Nondonor Eggs** | | | | | | |
| 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[e] (%) | 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 |
| **Number of Egg/Embryo Banking Cycles** | 15 | 11 | 8 | 1 | 1 | 0 |

| **Donor Eggs** | Fresh Embryos[f] | Frozen Embryos[f] |
|---|---|---|
| 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[e] (%) | 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.) | |

[a] Reflects features of fresh nondonor cycles. If IVF is <100%, the remaining cycles are GIFT, ZIFT, or a combination of these procedures with IVF.
[b] Total patient diagnosis percentages may be greater than 100% because more than one diagnosis can be reported for each ART cycle.
[c] 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.
[d] 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.
[e] 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).
[f] All ages are reported together because previous data show that patient age does not materially affect success with donor eggs.