

# ARIZONA CENTER FOR REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY TUCSON, ARIZONA

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 Timothy J. Gelety, MD |     |                |     |   |
|---|------|-----------|-----|--|-----|----------------|-----|---|
| Type of ART and Procedural Factors <sup>a</sup> |      |           |     | Patient Diagnosis <sup>b</sup>         |     |                |     |   |
| IVF   | 100% | With ICSI | 52% | Tubal factor                           | 17% | Uterine factor | 9%  | <i>Multiple Factors:</i><br>Female factors only 16%<br>Female & male factors 8% |
| Unstimulated                                    | 0%   | Used PGD  | 2%  | Ovulatory dysfunction                  | 12% | Male factor    | 17% |   |
| Used gestational carrier                        | 0%   |           |     | Diminished ovarian reserve             | 15% | Other factor   | 2%  |   |
|   |      |           |     | Endometriosis                          | 51% | Unknown factor | 3%  |   |

| 2013 ART SUCCESS RATES <sup>c</sup>   |  | Total number of cycles <sup>d</sup> : 304 (includes 1 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  |  | 82  | 28    | 41     | 26                                | 9     | 9     |
| Percentage of cancellations (%)   |  | 0.0   | 0.0   | 0.0    | 0.0                               | 1 / 9 | 2 / 9 |
| Average number of embryos transferred   |  | 2.7   | 2.7   | 3.0    | 3.7                               | 3.7   | 1.3   |
| Percentage of embryos transferred resulting in implantation (%)                                   |  | 36.2  | 30.6  | 18.2   | 11.3                              | 9.1   | 0 / 4 |
| Percentage of elective single embryo transfers (eSET) (%)   |  | 0.0   | 0.0   | 0.0    | 0.0                               | 0 / 6 | 0 / 1 |
| <b>Outcomes per Cycle</b>   |  |   |       |        |                                   |       |       |
| Percentage of cycles resulting in term, normal weight & singleton live births <sup>e</sup> (%)    |  | 30.5  | 25.0  | 14.6   | 11.5                              | 1 / 9 | 0 / 9 |
| Percentage of cycles resulting in singleton live births (%)                                       |  | 37.8  | 32.1  | 22.0   | 19.2                              | 1 / 9 | 0 / 9 |
| Percentage of cycles resulting in twin live births (%)  |  | 17.1  | 7.1   | 9.8    | 3.8                               | 0 / 9 | 0 / 9 |
| Percentage of cycles resulting in live births (%)   |  | 56.1  | 39.3  | 31.7   | 23.1                              | 1 / 9 | 0 / 9 |
| Percentage of cycles resulting in pregnancies (%)   |  | 65.9  | 57.1  | 41.5   | 38.5                              | 2 / 9 | 0 / 9 |
| <b>Outcomes per Transfer</b>  |  |   |       |        |                                   |       |       |
| Number of transfers   |  | 75  | 24    | 40     | 26                                | 6     | 3     |
| Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%) |  | 33.3  | 29.2  | 15.0   | 11.5                              | 1 / 6 | 0 / 3 |
| Percentage of transfers resulting in singleton live births (%)                                    |  | 41.3  | 37.5  | 22.5   | 19.2                              | 1 / 6 | 0 / 3 |
| Percentage of transfers resulting in twin live births (%)   |  | 18.7  | 8.3   | 10.0   | 3.8                               | 0 / 6 | 0 / 3 |
| Percentage of transfers resulting in live births (%)  |  | 61.3  | 45.8  | 32.5   | 23.1                              | 1 / 6 | 0 / 3 |
| Percentage of transfers resulting in pregnancies (%)  |  | 72.0  | 66.7  | 42.5   | 38.5                              | 2 / 6 | 0 / 3 |
| <b>Frozen Embryos from Nondonor Eggs</b>  |  |   |       |        |                                   |       |       |
| Number of cycles  |  | 45  | 23    | 5      | 6                                 | 3     | 0     |
| Number of transfers   |  | 45  | 22    | 5      | 6                                 | 3     | 0     |
| Estimated average number of transfers per retrieval   |  | 2.3   | 2.4   | 2.5    | 2.0                               | 3.0   |       |
| Average number of embryos transferred   |  | 2.7   | 2.7   | 2.6    | 3.3                               | 2.7   |       |
| Percentage of embryos transferred resulting in implantation (%)                                   |  | 19.0  | 13.6  | 4 / 13 | 10.0                              | 0 / 8 |       |
| Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%) |  | 15.6  | 27.3  | 3 / 5  | 2 / 6                             | 0 / 3 |       |
| Percentage of transfers resulting in singleton live births (%)                                    |  | 17.8  | 36.4  | 4 / 5  | 2 / 6                             | 0 / 3 |       |
| Percentage of transfers resulting in twin live births (%)   |  | 6.7   | 0.0   | 0 / 5  | 0 / 6                             | 0 / 3 |       |
| Percentage of transfers resulting in live births (%)  |  | 26.7  | 36.4  | 4 / 5  | 2 / 6                             | 0 / 3 |       |
| Percentage of transfers resulting in pregnancies (%)  |  | 37.8  | 36.4  | 4 / 5  | 2 / 6                             | 0 / 3 |       |
| <b>Number of Egg/Embryo Banking Cycles</b>  |  |   |       |        |                                   |       |       |
|   |  | 0   | 0     | 0      | 0                                 | 0     | 0     |
| <b>Donor Eggs</b>   |  | <b>Fresh Embryos<sup>f</sup></b>  |       |        | <b>Frozen Embryos<sup>f</sup></b> |       |       |
| Number of cycles  |  | 10  |       |        | 16                                |       |       |
| Number of transfers   |  | 8   |       |        | 16                                |       |       |
| Average number of embryos transferred   |  | 2.6   |       |        | 3.1                               |       |       |
| Percentage of embryos transferred resulting in implantation (%)                                   |  | 28.6  |       |        | 10.2                              |       |       |
| Percentage of transfers resulting in term, normal weight & singleton live births <sup>e</sup> (%) |  | 0 / 8   |       |        | 2 / 16                            |       |       |
| Percentage of transfers resulting in singleton live births (%)                                    |  | 0 / 8   |       |        | 3 / 16                            |       |       |
| Percentage of transfers resulting in twin live births (%)   |  | 2 / 8   |       |        | 0 / 16                            |       |       |
| Percentage of transfers resulting in live births (%)  |  | 2 / 8   |       |        | 3 / 16                            |       |       |
| Percentage of transfers resulting in pregnancies (%)  |  | 3 / 8   |       |        | 5 / 16                            |       |       |

| CURRENT SERVICES & PROFILE |     | Current Name: Arizona Center for Reproductive Endocrinology and Infertility |     |               |     |                               |     |
|----------------------------|-----|---|-----|---------------|-----|-------------------------------|-----|
| 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.