



SHADY GROVE FERTILITY 24TH ANNUAL IVF PROGRAM REPORT



SHADY GROVE
FERTILITY



Shady Grove Fertility is proud to announce the release of our 24th Annual IVF Program Report.

With outcomes ranking among the highest in the nation, more women and men with infertility choose Shady Grove Fertility to help them conceive than any other fertility center in the United States.



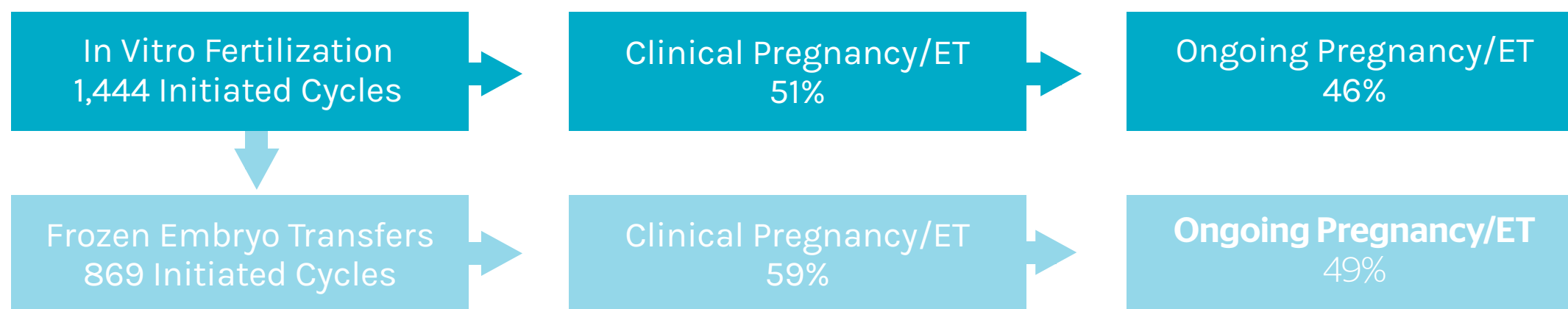
Over 40,000 babies
were conceived through Shady Grove
Fertility treatment over the past 25 years.



IVF Treatment is Even More Affordable, Efficient, and Safer

Over the past several years, advances in technique and technology have enabled physicians to extend the value of each fresh autologous IVF cycle (in which a woman uses her own eggs), making IVF even more affordable, efficient, and safer. Among the most notable advances—the ability to safely and effectively freeze embryos for later cycles (see page 8), which has resulted in increased pregnancy rates and increased use of elective single embryo transfer (eSET) (see page 9).

IVF SUCCESS FOR WOMEN UNDER 35



This IVF Program Report covers success rates for patients not requiring third-party reproduction such as donor egg, donor sperm, or gestational carrier. Statistics are for SGF's Rockville, MD laboratory for all cycles completed from Jan. 1, 2015, to Dec. 31, 2015. Patients must undergo a fresh IVF cycle before embryo freezing can occur.



IVF Program

Shady Grove Fertility's IVF Program accounts for nearly 40 percent of all treatment cycles performed at our center. The IVF Program offers patients two different treatment options: fresh IVF cycles and frozen embryo transfers (FETs).

We perform both fresh and frozen IVF treatments at our three accredited laboratories in Rockville, MD; Towson, MD; and Chesterbrook, PA.

In 2015, SGF performed over 5,000 IVF and nearly 2,300 FET treatment cycles—the highest number of IVF Program cycles ever performed at SGF in a single year.

➔ **FERTILITY FACT**
7.4 MILLION

men and women are affected by infertility in the United States.

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40%
DELIVERY RATE

SGF's IVF Program—
including fresh
and frozen embryos—
has a 40% delivery rate per
embryo transfer when
accounting for all
age groups.

Fresh IVF Treatment

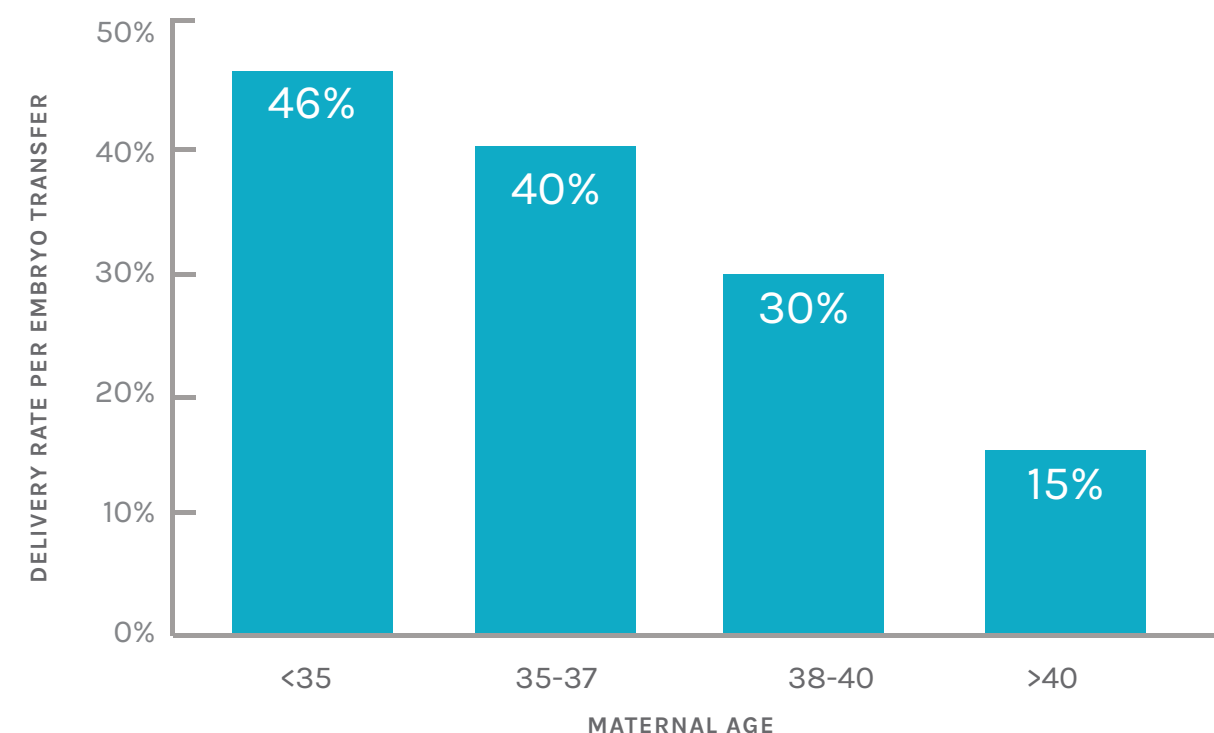
In 2015, Shady Grove Fertility initiated 4,121 fresh IVF cycles:
2,616 went on to have an embryo transfer;
1,113 resulted in a clinical pregnancy; and
943 had either an ongoing pregnancy or delivery.

Accounting for all ages, women undergoing fresh IVF embryo transfer have a 42 percent pregnancy rate and a 36 percent ongoing pregnancy or delivery rate per embryo transfer.

Why don't all IVF cycles have an embryo transfer?

In the majority of initiated IVF cycles where a retrieval was performed without a transfer, it was due to planned genetic testing or egg/embryo freezing. For other cycles, the patient experienced a low response, causing the cycle to be cancelled.

DELIVERY RATE FOR FRESH IVF EMBRYO TRANSFER BY AGE



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44% of Patients under 40 Deliver a Baby with Their First Transfer

Treatment protocols vary between patients, but IVF presents many patients with the highest chance of conception. Nearly half of all patients will deliver a baby after an embryo transfer with their first fresh IVF cycle.

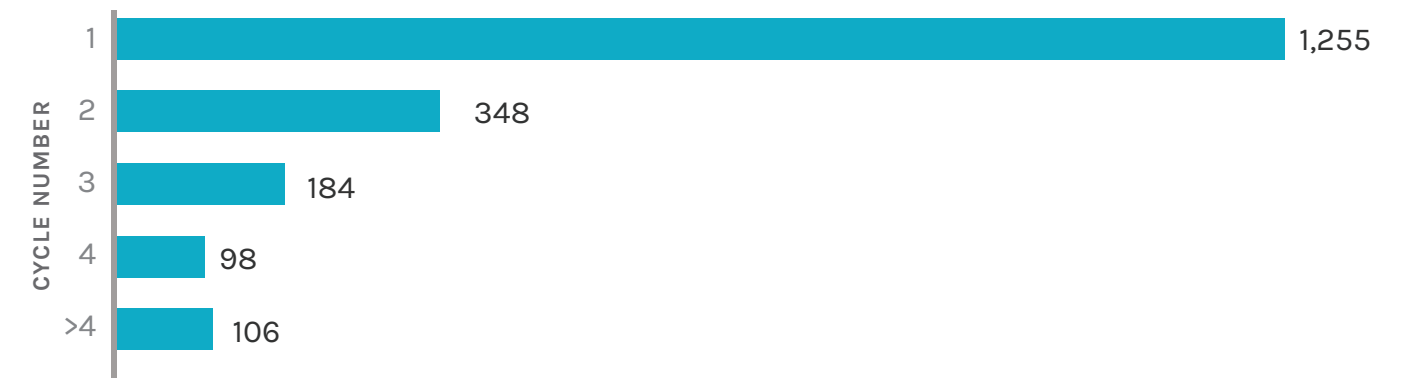
For those patients who do not conceive after their first transfer, their chances of conception in later cycles is still very good. In 2015, women in their second cycle had a 40 percent live birth rate per embryo transfer and women in their third cycle had a 45 percent live birth rate per embryo transfer.

→ DID YOU KNOW?

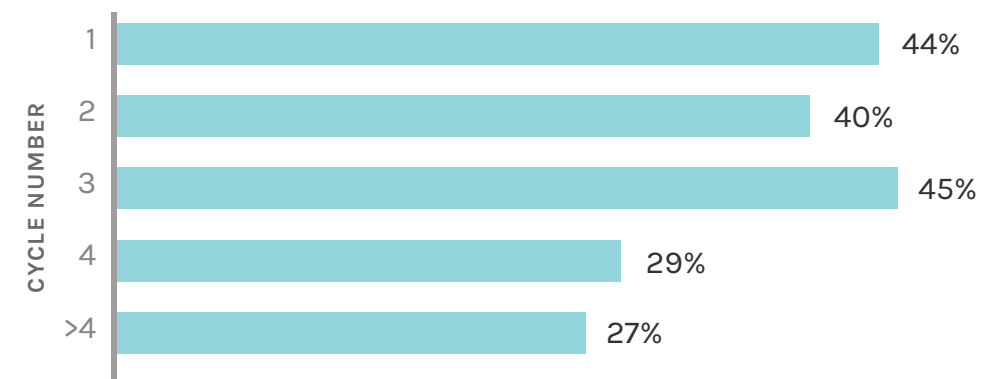
When testing for a pregnancy, a blood test is more accurate than a home pregnancy test. The blood pregnancy test is frequently called a beta because the test measures the beta portion of the hCG hormone molecule.

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NUMBER OF FRESH IVF EMBRYO TRANSFERS BY CYCLE NUMBER



LIVE BIRTH RATE PER EMBRYO TRANSFER BY CYCLE NUMBER



Frozen Embryo Transfers Increase Pregnancy Rates per Egg Retrieval

The delivery rate for IVF cycles using frozen embryos continues to increase, due to advances in freezing technology. Approximately 55 percent of patients under the age of 38 will have high-quality blastocysts to freeze for subsequent treatment cycles.

FET Cycle Advantages

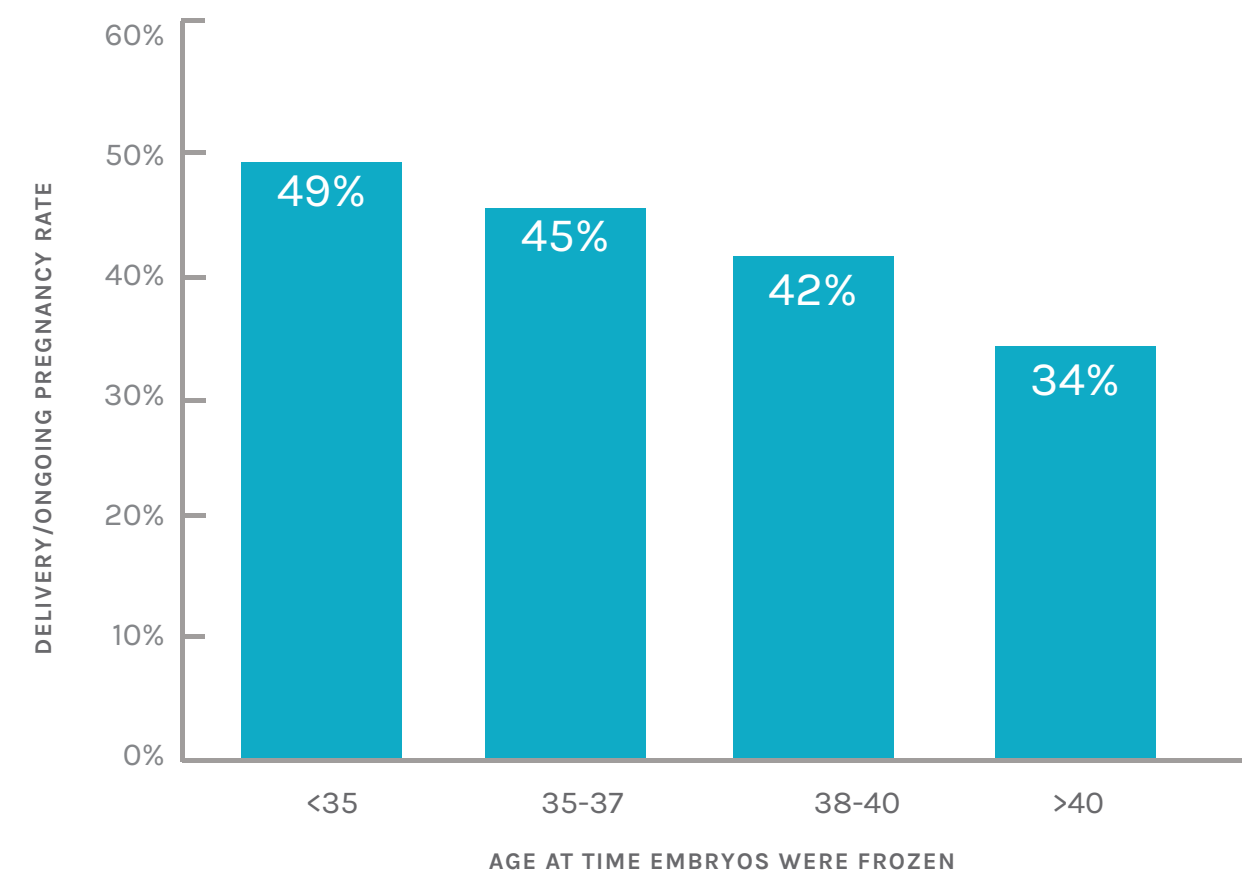
- FET success rates are equal to—if not greater than—fresh embryo cycles.
- Patients have additional chances for conception if a cycle is unsuccessful or if they want to grow their family in the future.
- Frozen cycles are less costly than fresh cycles and less physically demanding.
- Frozen embryos allow for genetic testing.

→ DID YOU KNOW?

FET success rates are comparable to fresh IVF cycles because FETs allow for the opportunity to optimize the lining of the women's uterus before implantation.

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FET: DELIVERY/ONGOING PREGNANCY RATE PER ET BY AGE

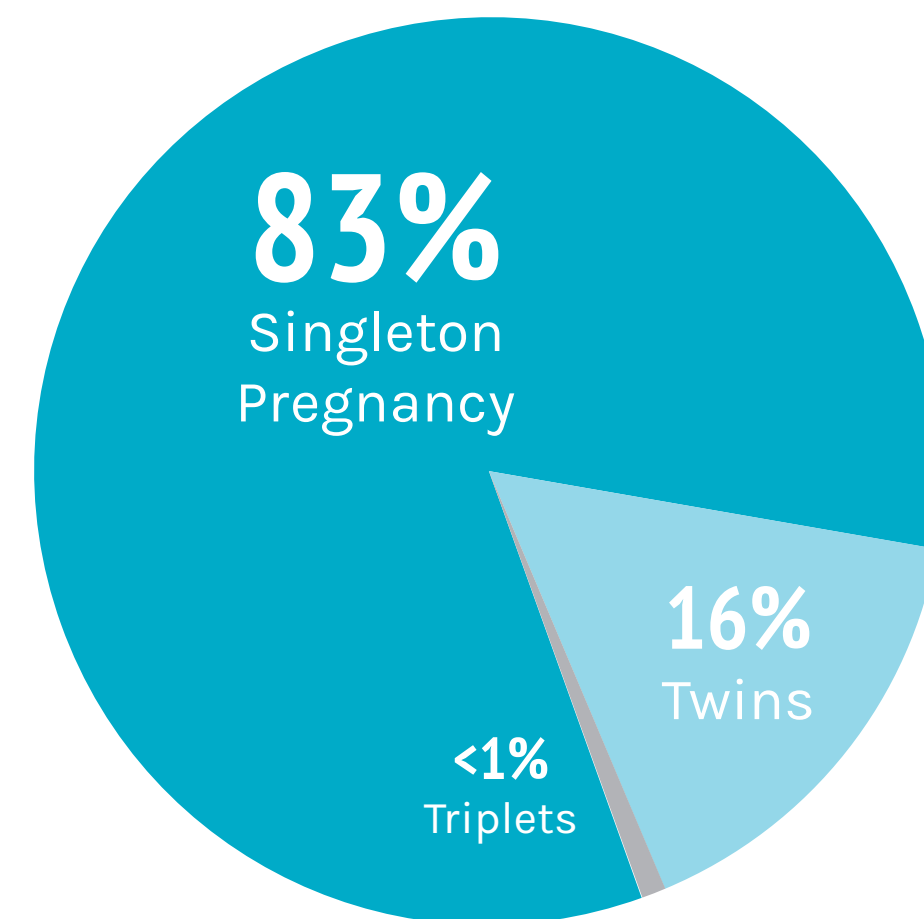


Elective Single Embryo Transfer (eSET) Increases the Chances of a Healthy Singleton Pregnancy

It is well-known that a multiple pregnancy presents an increased risk to both mother and baby. For this reason, a healthy singleton pregnancy is always our goal, no matter the form of treatment.

Prior to transfer, the physician will recommend the appropriate number of embryos to transfer, depending on the patient's age and treatment history. The ability to safely freeze embryos for later cycles has helped to increase singleton pregnancies in our practice.

In 2015, 83 percent of all pregnant patients in the IVF Program had a singleton pregnancy.



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eSET Yields Similar Clinical Pregnancy Rate as Two Embryos

A retrospective study has shown that the only increase seen when transferring more than one embryo is in the rate of multiples. Electing to transfer a single embryo, though, reduces the chance of twins from 39 percent to 2 percent.

As a result, through eSET, we have drastically reduced the number of multiples, making pregnancy safer without a significant effect on pregnancy success rates.

OUTCOMES FOR TRANSFER OF A SINGLE EMBRYO COMPARED WITH TWO EMBRYOS

	ESET	2 EMBRYOS
Clinical Pregnancy per ET	48%	42%
Twins	2%	32%
Triplets	0%	1%

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Age is #1 Predictor of IVF Treatment Success

After the age of 35, egg quality and quantity begin to decline rapidly, reducing the chances of conception. In addition, the rate of miscarriage increases as women age. Thus, women under 35 are twice as likely to conceive with IVF treatment, using fresh eggs, compared with women over 40.

When should I see a specialist?

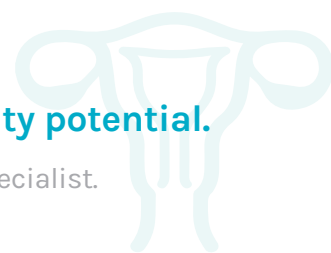
Generally, infertility is defined based on the age of the female partner and the length of time she and her partner have been trying to conceive with no success. When infertility is suspected, we suggest starting with a basic infertility evaluation to determine cause and reasonable treatment options.

MATERNAL AGE	WHEN TO SEE A SPECIALIST
<35	1 year trying to conceive
35-40	6 months trying to conceive
>40	3 months trying to conceive

→ FERTILITY FACT

A woman's menstrual cycle is a good indicator of her fertility potential.

Women with irregular or absent menstrual cycles should consult a fertility specialist.



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Women Should Consider Age at Delivery of their Last Child

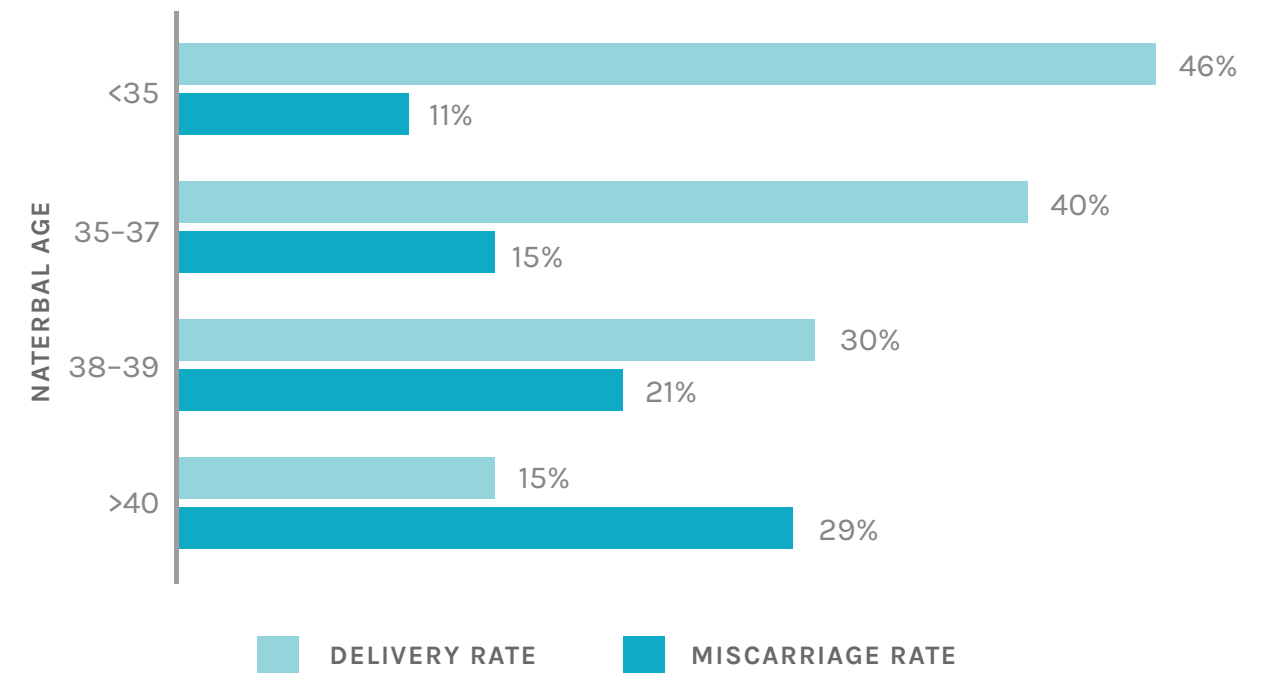
It's important for a couple to consider their ideal family size as well as the desired age of the female partner when she conceives her last child. Thus, if a woman is over 35, has been trying to conceive for 6 months, and desires more than one child, she should see a specialist immediately. Early intervention is key in providing the patient with more treatment options before advanced maternal age becomes an issue.

➔ DID YOU KNOW?

Shady Grove Fertility is the largest fertility center, with more babies born than any other center in the country.

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DELIVERY AND MISCARRIAGE RATE PER EMBRYO TRANSFER BY AGE



There Are Now Treatments to Help Almost Everyone Conceive

If you are having trouble conceiving, the first step is a consultation with a fertility specialist. Many patients will be successful with basic treatment options and only move on to more advanced therapies, such as IVF, as medically indicated.

Shady Grove Fertility has 26 locations throughout Maryland, Pennsylvania, Virginia, and Washington, D.C.

To schedule your consultation, please call 1-877-411-9292.

