

# Can the COVID-19 Vaccines Impact Fertility?



## Answer: No

- The evidence shows that claims linking COVID-19 vaccines to infertility are unfounded and inaccurate.
- This myth started as a rumor on social media that indicated the spike protein on this coronavirus was the same as another spike protein that is on the placenta called syncytin-1 which is involved in the growth and attachment of the placenta during pregnancy. This false report said that getting the COVID-19 vaccine would cause a woman's body to fight this different spike protein and affect her fertility. However, the two spike proteins are completely different and getting the COVID-19 vaccine will not affect the fertility of women who are seeking to become pregnant, including through in vitro fertilization methods.

## Facts about COVID-19 Vaccine and Fertility

- The mRNA (Moderna and Pfizer-BioNTech) and Johnson & Johnson vaccines do not comingle or interact with your human cell DNA and are unable to affect your eggs, sperm or fetus. mRNA vaccines have been used and tested in humans and animals for other vaccines and treatments since 1990 with no evidence of altering DNA.
- Experts in reproductive science have repeatedly said that there are no credible theories or scientific mechanism for these vaccines to impact fertility.
- The American Society for Reproductive Medicine, International Federation of Fertility Societies, along with 10 other organizations representing reproductive and gynecological science have endorsed the COVID-19 vaccines in women.
- Studies in animals receiving a Moderna, Pfizer-BioNTech, or Johnson and Johnson COVID-19 vaccine before or during pregnancy found no safety concerns in pregnant animals or their babies.
- The FDA reports show the same number of women who received the vaccine and did not receive the vaccine in the Pfizer-BioNTech and Moderna vaccine trials became pregnant, demonstrating that the vaccine does not impact fertility.
- If you are planning to get pregnant, it's important to understand the significant risks to the mother of contracting COVID-19 during pregnancy and how getting vaccine before becoming pregnant can reduce those risks to you and your baby.
- A recent study in men indicates that getting the COVID-19 vaccine did not change their sperm count or motility

▶ **WATCH** Dr. David Gifford, chief medical officer for AHCA/NCAL explain this further.