



COVID-19 & FERTILITY

PREGNANCY, PERIODS, AND FERTILITY

Covid-19 Vaccines

- No pregnancy risks or risk of miscarriage or stillbirth found in many studies.^{1,2,3,4}
- ▲ Menstrual period may be heavier, lighter, or longer for 1 to 2 months after the vaccine.⁵
- No known effect on female fertility at any age.⁵

Covid-19 Infection

- Can cause miscarriage and stillbirth in pregnancy and preterm birth.
- ▲ Menstrual period may be heavier, lighter, or longer for 1 to 2 months after infection.^{6,7}
- No known effect on female fertility at any age.

SPERM, ERECTIONS, AND FERTILITY

Covid-19 Vaccines

- No known effect on sexual function.
- No known effect on male fertility.⁸

Covid-19 Infection

- ▲ May lower sperm count and quality.⁹
- ▲ May lead to difficulty having an erection.
- ▲ May affect male fertility by lowering sperm count.



The Society of Obstetricians and Gynaecologists of Canada (SOGC), National Advisory Committee on Immunization (NACI), and the Canadian Fertility and Andrology Society (CFAS) all strongly recommend vaccination for those who are pregnant or trying to become pregnant.

¹ Kharbanda EO, Haapala J, DeSilva M, et al. *JAMA*. 2021;326(16):1629–1631. doi:10.1001/jama.2021.15494

² Zauche LH et al. *N Engl J Med*. 2021;385(16):1533-1535. <https://doi.org/10.1056/NEJMc2113891>

³ Magnus MC et al. *N Engl J Med*. 2021;385(21):2008-2010. <https://doi.org/10.1056/NEJMc2114466>

⁴ https://sogc.org/common/Uploaded%20files/Latest%20News/SOGC_Statement_COVID-19_Vaccination_in_Pregnancy.pdf

⁵ Male V. (2021). *BMJ*. 374:n2211. <https://www.bmj.com/content/374/bmj.n2211>

⁶ Li K et al. *Reproductive BioMedicine Online*. 2021;42(1):260-267. <https://doi.org/10.1016/j.rbmo.2020.09.020>

⁷ Edelman et al. *Obstetrics & Gynecology*. Published Jan 2022. doi:10.1097/AOG.0000000000004695

⁸ Gonzalez DC, Nassau DE, Khodamoradi K, et al. *JAMA*. 2021;326(3):273–274. doi:10.1001/jama.2021.9976

⁹ He et al. *Front Endocrinol (Lausanne)*. 2021;12:677701. Published May 2021. doi:10.3389/fendo.2021.677701