

Document d'information pour les patientes : « Devrais-je me faire vacciner contre la COVID-19 si je suis enceinte ou si j'allaite? »

Usage prévu

Cet outil d'aide à la décision s'adresse aux femmes qui sont enceintes ou qui allaitent et qui envisagent de se faire vacciner contre la COVID-19, ainsi qu'à leurs fournisseurs de soins de santé, leurs amis et leurs familles. Cet outil contient uniquement des renseignements généraux et ne vise pas à fournir ni à remplacer un avis médical, un diagnostic ou un traitement. Il a pour but de faciliter la prise de décisions éclairées en matière de vaccination contre la COVID-19 avant, pendant et après la grossesse ou l'allaitement. Cette ressource est une version modifiée de l'aide à la décision produite par le groupe de travail Massachusetts Shared Decision Making : COVID-19 Vaccination in Pregnancy working group de la [University of Massachusetts Medical School – Baystate Health](#).

Remerciements

Le Provincial Council for Maternal and Child Health (PCMCH) souhaite remercier le Maternal-Newborn Committee du PCMCH, le COVID-19 Maternal-Newborn Task Forces du PCMCH, le ministère de la Santé de l'Ontario et Santé publique Ontario pour leur contribution experte et leur révision du contenu de cette feuille d'information.

References

Allotey, J., Stallings, E., Bonet, M., Tap, M., Chatterjee, S., Kew, T., ... & PregCOV-19 Living Systematic Review Consortium. (2020). Clinical manifestations, risk factors, and maternal and perinatal outcomes of coronavirus disease 2019 in pregnancy: Living systematic review and meta-analysis. *BMJ*, 370: m3320. Available at <https://www.bmj.com/content/370/bmj.m3320>

Better Outcomes Registry & Network (BORN) Ontario. (2021). COVID-19 vaccination during pregnancy in Ontario. Surveillance Report #3, Reporting Interval December 14, 2020 to September 30, 2021. Available at https://www.bornontario.ca/en/whats-happening/resources/Documents/BORN-COVID-19-Vaccination-during-pregnancy-in-Ontario_Report3.pdf

Bookstein Peretz, S., Regev, N., Novick, L., Nachshol, M., Goffer, E., Ben-David, A., ... & Yinon, Y. (2021). Short-term outcome of pregnant women vaccinated with BNT162b2 mRNA COVID-19 vaccine. *Ultrasound in Obstetrics & Gynecology*, 58(3), 450-456. Available at <https://obgyn.onlinelibrary.wiley.com/doi/full/10.1002/uog.23729>

Centers for Disease Control and Prevention (CDC). Updated December 6, 2021. COVID-19: Pregnancy or breastfeeding. Available at <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/recommendations/pregnancy.html>

CDC. Updated December 28, 2021. COVID-19: Frequently asked questions. Available at <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/faq.html>

CDC. Released January 7, 2022. Morbidity and Mortality Weekly Report (MMWR). Receipt of COVID-19 vaccine during pregnancy and preterm or small-for-gestational-age at birth—Eight

integrated health care organizations, United States, December 15, 2020-July 22, 2021. Available at <https://www.cdc.gov/mmwr/volumes/71/wr/mm7101e1.htm>

CDC. Released November 2, 2020. Morbidity and Mortality Weekly Report (MMWR), Birth and infant outcomes following laboratory-confirmed SARS-CoV-2 infection in pregnancy — SET-NET, 16 Jurisdictions, March 29–October 14, 2020. Available at <https://www.cdc.gov/mmwr/volumes/69/wr/mm6944e2.htm>

Dagan, N., Barda, N., Biron-Shental, T., Majov-Assif, M., Key, C., Kohane, I. S., ... & Balicer, R. D. (2021). Effectiveness of the BNT162b2 mRNA COVID-19 vaccine in pregnancy. *Nature Medicine*, 1-3. Available at <https://www.nature.com/articles/s41591-021-01490-8>

Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD). (Revised December 20, 2021). National Library of Medicine (US); 2006-. COVID-19 vaccines. Available at https://www.ncbi.nlm.nih.gov/books/NBK565969/pdf/Bookshelf_NBK565969.pdf

Figueiro-Filho, E. A., Yudin, M. & Farine, D. (2020). COVID-19 during pregnancy: An overview of maternal characteristics, clinical symptoms, maternal and neonatal outcomes of 10,996 cases described in 15 countries. *Journal of Perinatal Medicine*, 48(9), 900-911. Available at <https://pubmed.ncbi.nlm.nih.gov/33001856/>

Golan, Y., Prah, M., Cassidy, A. G., Gay, C., Wu, A. H., Jigmeddagva, U., ... & Gaw, S. L. (2021). COVID-19 mRNA vaccination in lactation: assessment of adverse events and vaccine related antibodies in mother-infant dyads. *Frontiers in immunology*, 4596. Available at <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8595828/>

Goldshtein, I., Nevo, D., Steinberg, D. M., Rotem, R. S., Gorfine, M., Chodick, G., & Segal, Y. (2021). Association between BNT162b2 vaccination and the incidence of SARS-CoV-2 infection in pregnant women. *JAMA*, 326(8), 728-735. Available at <https://jamanetwork.com/journals/jama/fullarticle/2782047>

Government of Canada. Immunization in pregnancy and breastfeeding: Canadian Immunization Guide. Updated December 24, 2020. Available at <https://www.canada.ca/en/public-health/services/publications/healthy-living/canadian-immunization-guide-part-3-vaccination-specific-populations/page-4-immunization-pregnancy-breastfeeding.html>

Gray, K. J., Bordt, E. A., Atyeo, C. et al. (2021). Coronavirus disease 2019 vaccine response in pregnant and lactating women: A cohort study. *AJOG*. Available at [https://www.ajog.org/article/S0002-9378\(21\)00187-3/fulltext](https://www.ajog.org/article/S0002-9378(21)00187-3/fulltext)

Jafari, M., Pormohammad, A., Sheikh Neshin, S. A., Ghorbani, S., Bose, D., Alimohammadi, S., ... & Zarei, M. (2021). Clinical characteristics and outcomes of pregnant women with COVID-19 and comparison with control patients: A systematic review and meta-analysis. *Reviews in medical virology*, e2208. Available at <https://pubmed.ncbi.nlm.nih.gov/33387448/>

Juncker, H. G., Mulleners, S. J., van Gils, M. J., de Groot, C. J., Pajkrt, D., Korosi, A., ... & van Keulen, B. J. (2021). The levels of SARS-CoV-2 specific antibodies in human milk following vaccination. *Journal of Human Lactation*. Available at <https://journals.sagepub.com/doi/full/10.1177/08903344211027112>

Khalil, A., Kalafat, E., Benlioglu, C., O'Brien, P., Morris, E., Draycott, T., ... & Magee, L. A. (2020). SARS-CoV-2 infection in pregnancy: A systematic review and meta-analysis of clinical features and pregnancy outcomes. *EClinicalMedicine*, 25, 100446. Available at [https://www.thelancet.com/pdfs/journals/eclinm/PIIS2589-5370\(20\)30190-5.pdf](https://www.thelancet.com/pdfs/journals/eclinm/PIIS2589-5370(20)30190-5.pdf)

Kharbanda, E. O., Happala, J., DeSilva, M., Vasquez-Benitez, G., Vesco, K. K., Naleway, A. L., & Lipkind, H. S. (2021). Spontaneous abortion following COVID-19 vaccination during pregnancy. *JAMA*. Available at <https://jamanetwork.com/journals/jama/fullarticle/2784193>

Knight, M., Ramakrishnan, R., Bunch, K., Vousden, N., Kurinczuk, J., Dunn, S....& Semple, C. (2021). Females in hospital with SARS-CoV-2 infection, the association with pregnancy and pregnancy outcomes: A UKOSS/ ISARIC/CO-CIN investigation. Available at https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/977287/s1171-ukoss-isaric-co-cin-covid-19-young-females-pregnancy-report.pdf

Mahajan, N. N., Pophalkar, M., Patil, S., Yewale, B., Chaaithanya, I. K., Mahale, S. D., & Gajbhiye, R. K. (2021). Pregnancy outcomes and maternal complications during the second wave of coronavirus disease 2019 in India. *Obstetrics and Gynecology*, 138(4), 660-662. Available at <https://pubmed.ncbi.nlm.nih.gov/34233345/>

McLaurin-Jiang, S., Garner, C. D., Krutsch, K., & Hale, T. W. (2021). Maternal and child symptoms following COVID-19 vaccination among breastfeeding mothers. *Breastfeeding Medicine*, 16(9), 702-709. Available at <https://www.liebertpub.com/doi/pdfplus/10.1089/bfm.2021.0079>

Money, D. (June 3, 2021). Canadian surveillance of COVID-19 in pregnancy: Epidemiology, maternal and infant outcomes. Report #4. Available at <https://ridprogram.med.ubc.ca/cancovid-preg/>

Morgan, J. A., Biggio Jr, J. R., Martin, J. K., Mussarat, N., Chawla, H. K., Puri, P., & Williams, F. B. (2021). Maternal outcomes after severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection in vaccinated compared with unvaccinated pregnant patients. *Obstetrics & Gynecology*, 10-1097.

National Advisory Committee on Immunization (NACI). Updated October 22, 2021. Recommendations on the use of COVID-19 vaccines. Advisory Committee Statement. Available at <https://www.canada.ca/content/dam/phac-aspc/documents/services/immunization/national-advisory-committee-on-immunization-naci/recommendations-use-covid-19-vaccines/recommendations-use-covid-19-vaccines-en.pdf>

Ontario COVID-19 Science Advisory Table. (September 13, 2021). The incidence, severity, and management of COVID-19 in critically ill pregnant individuals. Available at <https://covid19-sciencetable.ca/sciencebrief/the-incidence-severity-and-management-of-covid-19-in-critically-ill-pregnant-individuals/>

Ontario Ministry of Health. (Updated March 11, 2021). About COVID-19 Vaccines. Available at https://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/vaccine/COVID-19_about_vaccines.pdf

Ontario Ministry of Health. (Updated December 31, 2021). COVID-19 Vaccination Recommendations for Special Populations. Available at https://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/vaccine/COVID-19_vaccination_rec_special_populations.pdf

Ontario Ministry of Health. (Updated December 14, 2021). COVID-19 Vaccine Information Sheet (age 12+). Available at https://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/vaccine/COVID-19_vaccine_info_sheet.pdf

Ontario Ministry of Health. (Updated December 16, 2021). COVID-19 Vaccine Third Dose Recommendations. Available at

https://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/vaccine/COVID-19_vaccine_third_dose_recommendations.pdf

Prahl, M., Golan, Y., Cassidy, A. G., Matsui, Y., Li, L., Alvarenga, B., ... & Gaw, S. L. (2021). Evaluation of transplacental transfer of mRNA vaccine products and functional antibodies during pregnancy and early infancy. *medRxiv*. Available at <https://www.medrxiv.org/content/10.1101/2021.12.09.21267423v1.full.pdf>

Sajadi, M. M., Shokatpour, N., Bathula, A., Tehrani, Z., Lankford, A., Purcell, M., ... & Grazioli, A. (2021). Maternal transfer of IgA and IgG SARS-CoV-2 specific antibodies transplacentally and via breastfeeding. *medRxiv*. Available at <https://www.medrxiv.org/content/10.1101/2021.12.21.21267733v1.full-text>

Shimabukuro, T.T., Kim, S. Y., Myers, T.R., Moro, P. L., Oduyebo, T., Panagiotakopolous, L., ... & Meaney-Delman, M. D.. (2021). Preliminary findings of mRNA Covid-19 vaccine safety in pregnant persons. *New England Journal of Medicine*, 384(24), 2273-2282. Available at <https://www.nejm.org/doi/full/10.1056/NEJMoa2104983>

Society of Obstetricians and Gynaecologists of Canada (SOGC). (Revised and reaffirmed November 4, 2021). SOGC Statement on COVID-19 vaccination in pregnancy. Available at https://www.sogc.org/common/Uploaded%20files/Latest%20News/SOGC_Statement_COVID-19_Vaccination_in_Pregnancy.pdf

SOGC. Released April 20, 2021. SOGC Statement on the COVID-19 vaccines and rare adverse outcomes of thrombosis associated with low platelets. Available at https://www.sogc.org/en/content/featured-news/SOGC_Statement_on_the_COVID-19_vaccines_and_rare_adverse_outcomes_of_%20thrombosis.aspx

Stock, S., Carruthers, J., Calvert, C., Denny, C., Donaghy, J., Goulding, A., ... & Wood, R. (2021). SARS-CoV-2 infection and COVID-19 vaccination rates in pregnant women in Scotland. *Nature Medicine*. Available at <https://www.nature.com/articles/s41591-021-01666-2>

Theiler, R. N., Wick, M., Weaver, A., Mehta, R., Virk, A., & Swift, M. (2021). Pregnancy and birth outcomes after SARS-CoV-2 vaccination in pregnancy. *American Journal of Obstetrics and Gynecology MFM*. Available at <https://pubmed.ncbi.nlm.nih.gov/34425297/>

Villar, J., Ariff, S., Gunier, R. B., Thiruvengadam, R., Rauch, S., Kholin, A., ... & Papageorgiou, A. T. (April 22, 2021). Maternal and neonatal morbidity and mortality among pregnant women with or without COVID-19 infection: The INTERCOVID multinational cohort study. *JAMA Pediatrics*, 178(8), 817-826. Available at <https://jamanetwork.com/journals/jamapediatrics/fullarticle/2779182>

Wei, S. Q. Bilodeau-Bertrand, M., Liu, S., & Auger, N. (2021). The impact of COVID-19 on pregnancy outcomes: A systematic review and meta-analysis. *CMAJ*, 193(16), E540-E548. Available at <https://www.cmaj.ca/content/193/16/E540>

Zambrano, L. D., Ellington, S., Strid, P., et al. (2020). Update: Characteristics of symptomatic women of reproductive age with laboratory-confirmed sars-cov-2 infection by pregnancy status - United States, January 22- October 3, 2020. *MMWR Morb Mortal Wkly Rep*, 69(55),1641-1647. Available at <https://pubmed.ncbi.nlm.nih.gov/33151921/>

Zauche, L. H., Wallace, B., Smoots, A. N., Olson, C. K., Oduyebo, T., Kim, S. Y., ... & Ellington, S. R. (2021). Receipt of mRNA Covid-19 Vaccines and Risk of Spontaneous Abortion. *New England Journal of Medicine*. Available at <https://www.nejm.org/doi/full/10.1056/NEJMc2113891>