

# COVID-19 vaccine uptake more likely in pregnancy if receiving other vaccines: Study

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Pregnant patients are more likely to accept COVID-19 vaccination if they receive other routine vaccines during pregnancy, according to a study published in the December issue of the *Journal of Infection*.

Laura Ha, M.D., from Cedars Sinai Medical Center in Los Angeles, and colleagues examined the association between acceptance of tetanus-diphtheria-acellular pertussis (Tdap) and influenza vaccines, considered to be routine pregnancy vaccines, and COVID-19 vaccine acceptance. The analysis included 7,857 patients who delivered between December 2020 and March 2022.

The researchers found that 56.1 percent of patients accepted the COVID-19 vaccine. Nearly all patients who received the COVID-19 vaccine received influenza and Tdap vaccines (97.6 and 88.5 percent, respectively). Patients with [advanced maternal age](#), obesity, Asian race, and [private insurance](#) were more likely to receive the COVID-19 vaccine.

COVID-19 vaccine acceptance was associated with receipt of Tdap (adjusted odds ratio, 2.10) and [influenza vaccines](#) (adjusted odds ratio, 2.83). There were no differences in adverse outcomes (e.g., [preterm birth](#), low birthweight, and neonatal intensive care unit admission) between those receiving and not receiving the COVID-19 vaccine.

"Disparities in COVID-19 vaccination uptake bear further exploration to guide efforts in equitable and widespread vaccine distribution for current and future pandemics," the authors write.

**More information:** Laura Ha et al, Association between acceptance of routine pregnancy vaccinations and COVID-19 vaccine uptake in pregnant patients, *Journal of Infection* (2023). [DOI: 10.1016/j.jinf.2023.10.010](#)

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