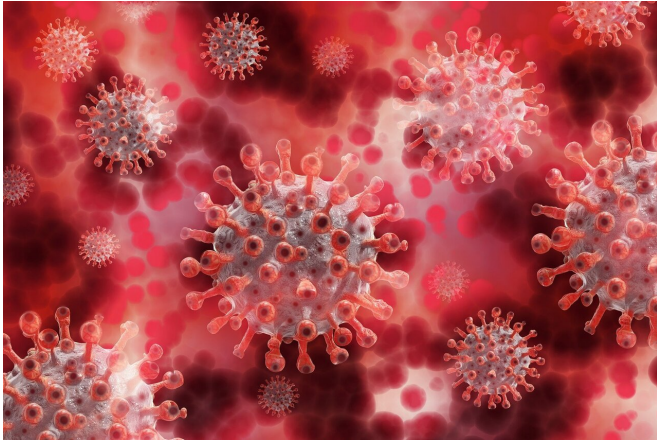


Why you shouldn't forgo your second COVID-19 vaccine dose

14 May 2021, by From Mayo Clinic News Network



Credit: Pixabay/CC0 Public Domain

More than 35% of the U.S. population is fully vaccinated for COVID-19, according to the Centers for Disease Control and Prevention (CDC). And for anyone who receives the Moderna or Pfizer COVID-19 vaccines, two doses are required to complete the series and be fully vaccinated.

The CDC released a study earlier this year that revealed nearly 5% of the people who received the first dose of those vaccines did not receive the second dose within the recommended interval—21 days for Pfizer and 28 days for Moderna.

"In order to get the maximum protection that's been demonstrated in the trials, we know that you're not considered fully protected until two weeks after your second dose of [vaccine](#). And so that's why we really encourage everyone to make sure they get that second dose in," says Dr. Nipunie Rajapakse, a Mayo Clinic pediatric infectious diseases specialist.

The CDC is identifying and addressing possible barriers to completing the COVID-19 vaccination series. Dr. Rajapakse says [clinical trials](#) for the

Moderna and Pfizer COVID-19 vaccines have shown that they are most effective when people take the full two-dose series.

"The first dose acts as a primer for your immune system. So it's the first chance to practice recognizing the infection and to practice making some antibodies," says Dr. Rajapakse. "And the second dose is usually what we call a booster dose. It really gives a chance for the [immune system](#) to kind of rev up and really ramp up that antibody production. And that's why it's really important to get that second booster dose because that's where you get the nice, high levels of protective antibodies generated."

Dr. Rajapakse adds that it's important to recognize that someone is not considered fully vaccinated and protected from COVID-19 until two weeks after the second dose of the Moderna or Pfizer COVID-19 vaccines. And even if you are beyond the recommended intervals of 21 or 28 days between vaccine doses, you can and should receive your second dose.

©2021 Mayo Clinic News Network

Distributed by Tribune Content Agency, LLC

APA citation: Why you shouldn't forgo your second COVID-19 vaccine dose (2021, May 14) retrieved 19 May 2021 from <https://medicalxpress.com/news/2021-05-shouldnt-forgo-covid-vaccine-dose.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.