

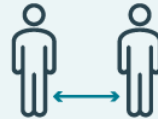


COVID-19

ACT NOW!



WEAR A MASK



STAY 6 FEET APART



AVOID CROWDS

Information about the Moderna COVID-19 Vaccine

Updated Mar. 4, 2021

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General information

Name: mRNA-1273

Manufacturer: ModernaTX, Inc.

Type of vaccine: mRNA

Learn more about [how COVID-19 vaccines work](#) and get a better [understanding of COVID-19 mRNA vaccines](#).

Number of shots: 2 shots, one month (28 days) apart

How given: Shot in the muscle of the upper arm

Does not contain:

- Eggs
- Preservatives
- Latex

For a full list of ingredients, see [Moderna's COVID-19 Vaccine Fact Sheet for Recipients and Caregivers \[314 KB, 5 pages\]](#)



Who should get vaccinated

- The Moderna vaccine is recommended for people aged 18 years and older. Learn more about [how CDC is making COVID-19 vaccine recommendations](#) and [CDC's vaccine rollout recommendations](#).

Who should not get vaccinated

- If you have had a severe allergic reaction (anaphylaxis) or an immediate allergic reaction—even if it was not severe—to any ingredient in an mRNA COVID-19 vaccine (such as polyethylene glycol), you should not get an mRNA COVID-19 vaccine.*
- If you have had a severe allergic reaction (anaphylaxis) or an immediate allergic reaction—even if it was not severe—after getting the first dose of the vaccine, you should not get a second dose of either of the mRNA COVID-19 vaccines.
- An allergic reaction is considered severe when a person needs to be treated with epinephrine or EpiPen® or if they must go to the hospital. Learn about [common side effects of COVID-19 vaccines](#) and when to call a doctor.
- An immediate allergic reaction means a reaction within 4 hours of getting vaccinated, including symptoms such as hives, swelling, or wheezing (respiratory distress).

If you aren't able to get an mRNA COVID-19 vaccine, you may still be able to get a different type of COVID-19 vaccine. Learn more [information for people with allergies](#).

Side effects

Common side effects

In the arm where you got the shot:

- Pain
- Redness
- Swelling

Throughout the rest of your body:

- Tiredness
- Headache
- Muscle pain
- Chills
- Fever
- Nausea

These side effects usually start within a day or two of getting the vaccine. Side effects might affect your ability to do daily activities, but they should go away in a few days. [Get tips on what to expect after getting vaccinated](#).

Summary of safety data

- In clinical trials, reactogenicity symptoms (side effects that happen within 7 days of getting vaccinated) were common but were mostly mild to moderate.

- Side effects (such as fever, chills, tiredness, and headache) throughout the body were more common after the second dose of the vaccine.
- Most side effects were mild to moderate. However, a small number of people had severe side effects that affected their ability to do daily activities.
- CDC will continue to provide updates as we learn more about the safety of the Moderna vaccine in real-world conditions. [Learn more about vaccine safety monitoring after a vaccine is authorized or approved for use.](#)

[Learn more about safety and reactogenicity data from the clinical trials.](#)

These side effects usually start within a day or two of getting the vaccine. They might feel like flu symptoms and might even affect your ability to do daily activities, but they should go away in a few days. [Get tips on what to expect after getting vaccinated.](#)

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Information on how well the vaccine works

- Based on [evidence from clinical trials](#), the Moderna vaccine was 94.1% effective at preventing laboratory-confirmed COVID-19 illness in people who received two doses who had no evidence of being previously infected.
- The vaccine appeared to have high effectiveness in clinical trials (efficacy) among people of diverse age, sex, race, and ethnicity categories and among persons with underlying medical conditions.
- Although few people in the clinical trials were admitted to the hospital, this happened less often in the people who got the Moderna vaccine compared to people who got the saline placebo.
- CDC will continue to provide updates as we learn more about how well the Moderna vaccine works in real-world conditions.

Demographic information from clinical trials

Clinical trials for the Moderna vaccine included people from the following racial and ethnic categories:

- 79.4% White
- 20% Hispanic/Latino
- 9.7% African American
- 4.7% Asian
- <3% other races/ethnicities

Age and sex breakdown:

- 52.6% male
- 47.4% female
- 25.3% 65 years and older

Most people who participated in the trials (82%) were considered to have an occupational risk of exposure, with 25.4% of them being healthcare workers.

Among people who participated in the clinical trials, 22.3% had at least one high-risk condition, which included lung disease, heart disease, obesity, diabetes, liver disease, or HIV infection. Four percent (4%) of participants had two or more high-risk conditions.

[Learn more about demographic information for people who participated in the trials.](#) 



For Healthcare Workers

[Moderna COVID-19 Vaccine](#): General information, schedule and administration overview.

Related Links

[What to Expect After Getting a COVID-19 Vaccine](#)

[Learn more about how federal partners are ensuring the safety of COVID-19 vaccines](#)

[Learn more about the benefits of getting a COVID-19 vaccine](#)

[MMWR: Allergic Reactions Including Anaphylaxis After Receipt of the First Dose of Moderna COVID-19 Vaccine — United States, December 21, 2020–January 10, 2021](#)

Last Updated Mar. 4, 2021

Content source: [National Center for Immunization and Respiratory Diseases \(NCIRD\), Division of Viral Diseases](#)