

8 Coronavirus Vaccine Myths Busted by Experts

Myth 1

Coronavirus vaccines were developed too fast to be safe



Fact

Coronavirus vaccines are safe. The coronavirus vaccines that are now being deployed have undergone **strict and rigorous clinical trials** involving thousands of human participants and approval from medical experts.

Myth 2

Coronavirus vaccines alter DNA



Fact

COVID-19 mRNA vaccines do not change or interact with your DNA in any way. The Pfizer-BioNTech and Moderna vaccines contain messenger RNA (mRNA) that does not enter the part of the cell where your DNA is located. The mRNA instructs our cells how to make a protein that triggers an immune response. This builds immunity against the virus that causes COVID-19.

Myth 3

Coronavirus vaccines affect fertility



Fact

People who are trying to become pregnant now or who plan to try in the future may receive the coronavirus vaccine. We are still learning about vaccine and pregnancy, but currently there is no indication that vaccination will cause a problem with pregnancy.

Myth 4

I don't need the vaccine because I've already had COVID-19



Fact

Even if you've had COVID-19 you should get the vaccine. While a previous coronavirus infection might provide people with antibodies against reinfection, experts are not yet sure how long this protection lasts.

Myth 5

You can get coronavirus from the vaccine



Fact

You can't get COVID-19 from the Pfizer-BioNTech or Moderna coronavirus vaccines because they do not contain live virus.

Myth 6

If you've had the vaccine you don't need to wear a mask



Fact

Even if you are immunized against COVID-19, there is a small chance you could pass the virus on to others. See the latest [CDC guidelines on masks](https://www.cdc.gov/masks/).

Myth 7

The side effects of the coronavirus vaccine are dangerous



Fact

The coronavirus vaccine can have side effects, but the vast majority are short term. You may experience pain at the injection site; body aches; headaches or fever, lasting for a day or two. These are signs that the vaccine is working to stimulate your immune system. If symptoms persist beyond two days, call your doctor.

Myth 8

The vaccine has a microchip to control the general population



Fact

There is no vaccine microchip, and the vaccine will not track people or gather personal information into a database.