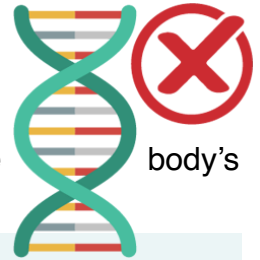


## Will a COVID-19 vaccine alter my DNA?

**No.** COVID-19 vaccines do not change or interact with your DNA in any way.

There are currently two types of COVID-19 vaccines that have been authorized and recommended for use in the United States: messenger RNA (mRNA) vaccines and a viral vector vaccine. Both mRNA and viral vector COVID-19 vaccines deliver instructions (genetic material) to our cells to start building protection against the virus that causes COVID-19. However, the material never enters the nucleus of the cell, which is where our DNA is kept. This means the genetic material in the vaccines cannot affect or interact with our DNA in any way. All COVID-19 vaccines work with the natural defenses to safely develop immunity to disease.



## Can a COVID-19 vaccine make me sick with COVID-19?



**No.** None of the authorized and recommended COVID-19 vaccines or COVID-19 vaccines currently in development in the United States contain the live virus that causes COVID-19. This means that a COVID-19 vaccine **cannot** make you sick with COVID-19.

COVID-19 vaccines teach our immune systems how to recognize and fight the virus that causes COVID-19. Sometimes this process can cause symptoms, such as fever. These symptoms are normal and are signs that the body is building protection against the virus that causes COVID-19.

## After getting a COVID-19 vaccine, will I test positive for COVID-19 on a viral test?

**No.** None of the authorized and recommended COVID-19 vaccines cause you to test positive on viral tests, which are used to see if you have a **current infection**. Neither can any of the COVID-19 vaccines currently in clinical trials in the United States. COVID-19 vaccines teach our immune systems how to recognize and fight the virus that causes COVID-19.

Sometimes this process can cause symptoms, such as fever. These symptoms are normal and are signs that the body is building protection against the virus that causes COVID-19.

<https://www.cdc.gov/coronavirus/2019-ncov/vaccines/facts.html>

