## How do vaccines work



Vaccines are an important part of routine healthcare and key to **preventing diseases** that spread from one person to another.

When bacteria or viruses enter our bodies, they attack and multiply. This invasion is called **an infection**. The immune system fights back to protect the body's cells and counterattack the invasion.

## **Types of COVID-19 Vaccines**

- **mRNA** vaccines
- Protein subunit vaccines: fragments of the COVID-19 virus
- 3 Vector vaccines
- Each COVID-19 vaccine works in a different way.
- All expose the body to material that prompts an immune response.
- The immune system then builds antibodies that can recognize and fight the virus.
- If the real virus enters the body, the immune system is trained and remembers how to respond to prevent COVID-19.

## ALL vaccines help keep people SAFE from infections by:

- Imitating an infection
- Helping the body's immune system
- Teaching the body to "remember" how to fight the bacteria or virus in the future

## **Building Protection to Fight Against COVID-19**

After each dose of vaccine, your body might show some signs of the hard work it's doing to build this protection, such as a fever that lasts a short time or a headache. Producing immunity can take a couple of weeks.



