

# COVID-19 VACCINATION

MYTHS

VS

FACTS



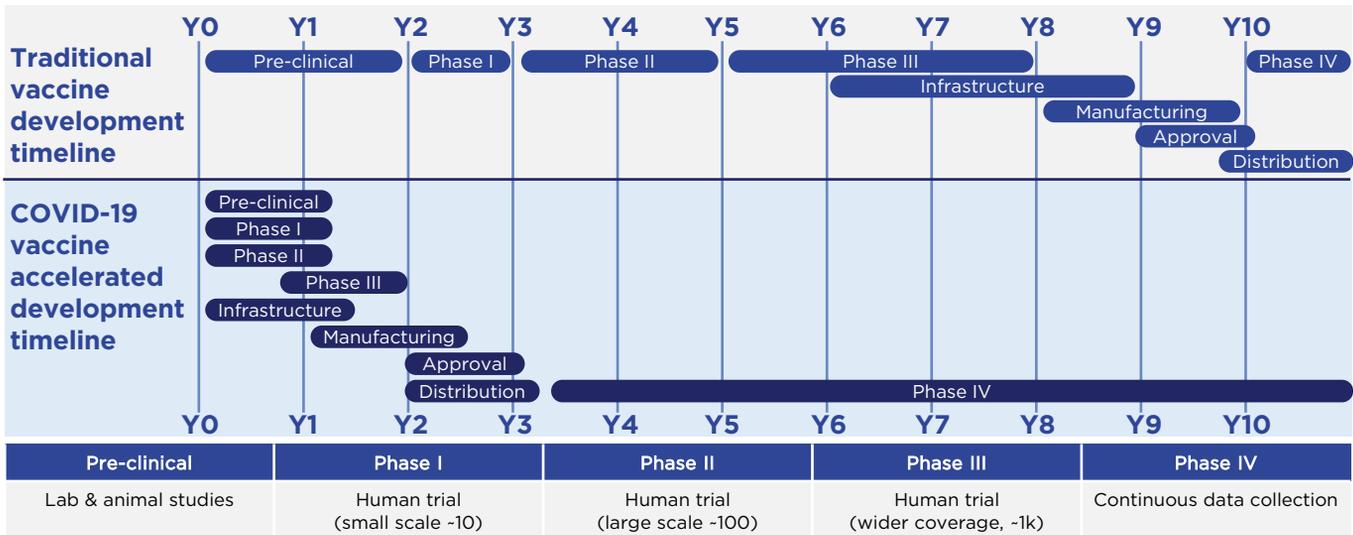
## MYTH

COVID-19 vaccines are not safe because they were developed so quickly.

## FACT

**The COVID-19 vaccines are safe** and have been approved or are in the process of being approved by regulatory authorities in many countries. Millions have now been vaccinated. Reports of serious side effects have been very rare and no long-term complications reported.

The worldwide impact of this pandemic has caused the pharmaceutical industry to invest heavily in researching and producing COVID-19 vaccines. As illustrated below, several phases were conducted in parallel, thus shortening the overall development timeline. **No shortcut was taken**; every vaccine candidate had to go through the **strict process of clinical trials and safety reviews** by respective global and national Stringent Regulatory Authorities.



Source: WHO | What we know about COVID-19 vaccine development | October 2020

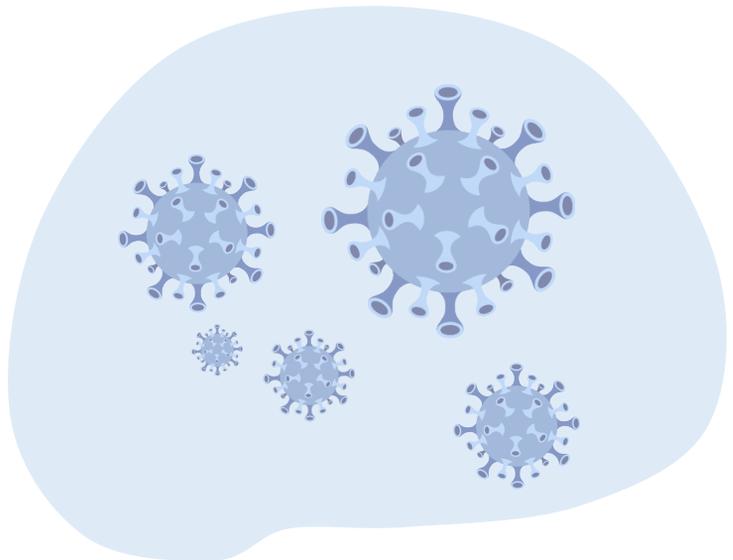
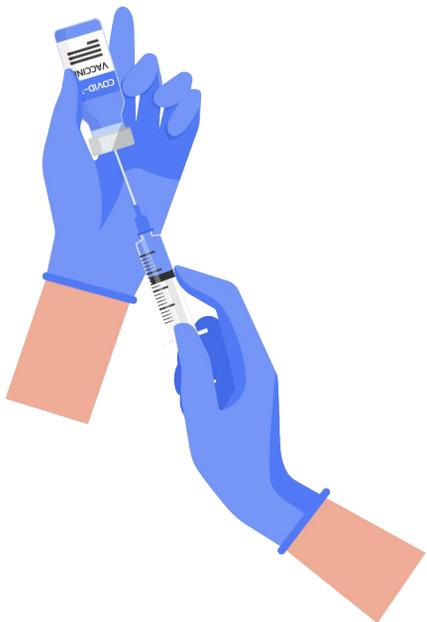
**MYTH**

You can get COVID-19 from the vaccines.

**FACT**

For viral diseases to set in, live virus needs to be able to make enough copies of itself in the body. **None of the currently authorised COVID-19 vaccines contains live virus**, and therefore you cannot get COVID-19 through being vaccinated.

You might experience mild flu-like symptoms after the injection such as fatigue, body aches and fever. It is a normal reaction of your immune system to the vaccine and generally will stop after a day or two.



**MYTH**

I have already had COVID-19 so I don't need to be vaccinated.

**FACT**

Most authorities advise even people who have had COVID-19 infection to be vaccinated, although you may be advised to wait for at least 90 days after your infection. **Speak to your doctor for an individual recommendation.**

We do not yet know how long the protection from your immunity developed by a COVID-19 infection will last.



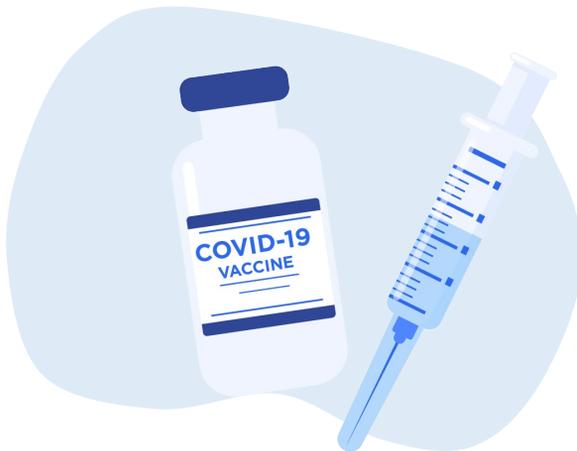
**MYTH**

The fatality rate of COVID-19 is so low, so I do not need to be vaccinated.

**FACT**

COVID-19 vaccines protect yourself, your family, colleagues and your community. They reduce the risk of severe infection and hospitalisation. People, who are vaccinated, are probably less likely to transmit the disease. When the majority of the population are vaccinated it will protect the community, including the vulnerable and those who cannot be vaccinated.

While **vaccination is voluntary**, all who are medically eligible are **encouraged to be vaccinated**.



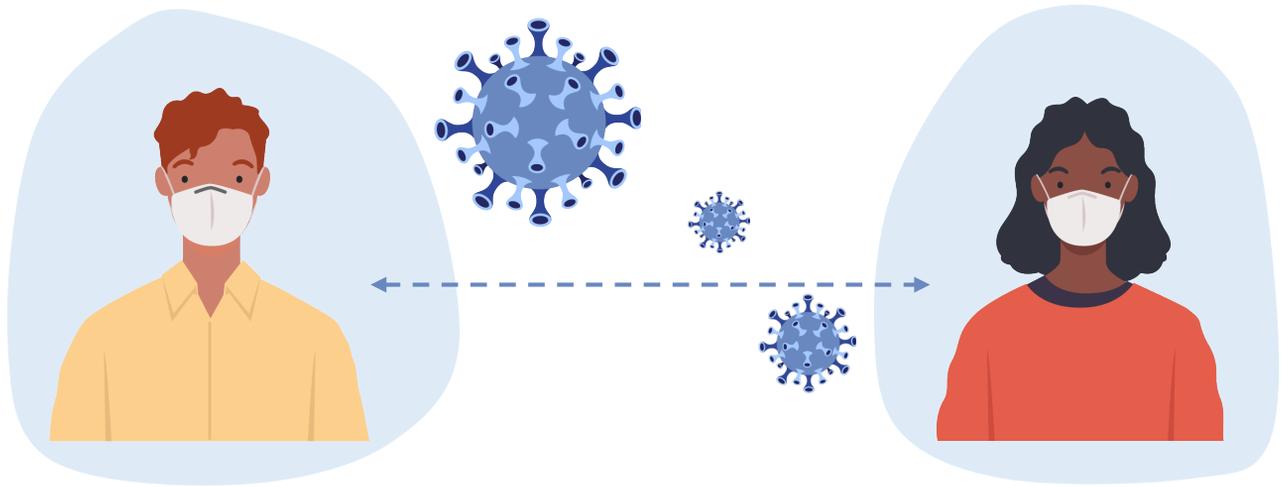
**MYTH**

There is no need for mask wearing and social distancing after receiving COVID-19 vaccination.

**FACT**

While vaccines are effective, they do not stop every case of COVID-19 infection and transmission.

Therefore, everyone must remain cautious and **continue to wear masks, practice social distancing and observe enhanced hygiene routines.**



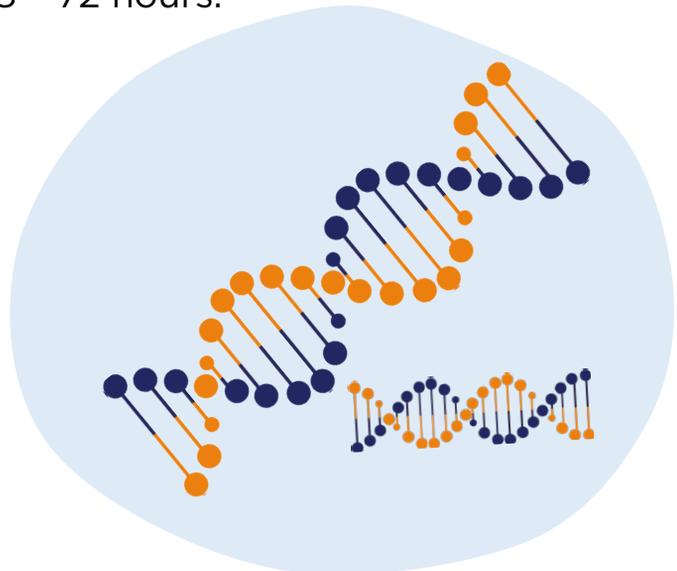
**MYTH**

The vaccine will alter my DNA.

**FACT**

One of the first COVID-19 vaccines approved for emergency use is mRNA vaccine (messenger RNA). Upon injection, mRNA vaccine will instruct the cells in the host body to produce the viral protein that triggers an immune response against COVID-19 virus in the body.

**mRNA does not insert itself into the host body's DNA, thus it does not alter your gene DNA** (it cannot be transmitted to the next generation). The mRNA vaccine will naturally degrade & be eliminated after being used in the host body within 48 - 72 hours.



**MYTH**

People with underlying conditions should not be vaccinated.

**FACT**

Some people are not recommended to receive the vaccine.

**Follow the local health authorities' guidelines** in determining your medical eligibility and **speak to your doctor** for an individual recommendation.



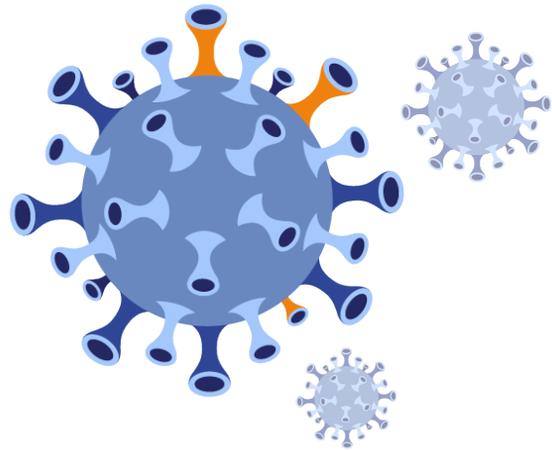
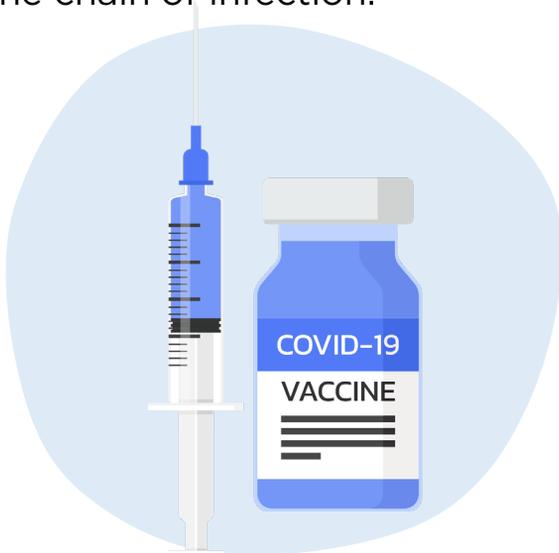
**MYTH**

COVID-19 vaccines are not effective against the new variants.

**FACT**

Experts are watching this very carefully. So far, they believe the current vaccines are still effective. If a change in vaccine needs to be made, the vaccines can be quickly adjusted for new strains, in a similar way that flu vaccines are adjusted each year.

It is important to **be immunised as soon as possible when the vaccine is offered to you**, and continue to practice preventive measures to break the chain of infection.



Source:  
Reuters | Drug makers expect tests to confirm vaccines effective against new coronavirus variant | December 2020  
Bloomberg | Vaccine Makers Preparing for Mutant Coronavirus Strains | December 2020

**MYTH**

Severe side effects of the COVID-19 vaccines are common.

**FACT**

Minor expected side effects, such as a sore arm at the injection site and a mild fever, are common. Reports of serious side effects are very rare.

Discomfort usually subsides after a day or two. Side effects may be more pronounced after the 2<sup>nd</sup> vaccine dose.

**COMMON SIDE EFFECTS**

Pain and/or swelling at the site of injection

Fever

Chills

Fatigue

Headache

Muscle/joint pain

This material has been developed for educational purposes only and is correct at the time of publication. It is not a substitute for professional medical advice. Should you have any questions or concerns about any topic in this material, please consult your medical doctor.

---

© 2021 AEA International Holdings Pte. Ltd. All rights reserved. Unauthorized copy or distribution prohibited.

