

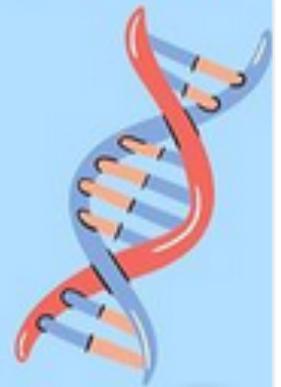
# Myth:

The vaccine development process was rushed & fast tracked to skip testing steps to ensure safety.

# Fact:

Clinical trials included 30- 60k subjects. Decades of research led to these mRNA vaccines that will transform the trajectory of human history.

The COVID-19 mRNA vaccines are a groundbreaking discovery that did not compromise any safety or efficacy protocols. The data to prove this is publicly available.



How do we really know the vaccines are safe & effective this early?

- This vaccine technology did not take 1 year to develop- it took > 30 yrs of groundwork that was applied towards COVID-19. This accelerated the process and thousands of scientists dropped everything to focus on this day and night.
- Although this will be the first approved mRNA vaccine, this technology has been tested for influenza and Ebola in humans since 2013.



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Source: Mayo Clinic, NIAID

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**Myth:**

The vaccine might give you COVID-19. Its efficacy is variable & it might not work.

**Fact:**

It is impossible for the vaccine to give you the COVID-19 disease. Trials show protection starts 10 days after the first dose which means you could still be susceptible to infection shortly after.

The Pfizer and Moderna vaccine are very effective at preventing people from getting infected after receiving 2 doses. Even though the first dose leads to significant protection, the importance of the 2nd cannot be discounted yet.



**THIS GRAPH SHOWS INCREDIBLE RESULTS FROM THE PFIZER VACCINE TRIAL.**

~95% of subjects who got the vaccine were protected from COVID-19 compared to those that didn't the vaccine

**CUMULATIVE COVID-19 INCIDENCE AFTER DOSE 1**



This level of protection is the **BEST** case scenario of how good a vaccine can be.

**Unknown:** Duration of immunity; safety/ efficacy in kids, pregnant & immunocompromised people

Source: Public FDA summary on Pfizer/ BioNTech vaccine.

# Myth:

The side effects after the vaccine are painful and long-term.

Side effects like fatigue & aches (~50%) at injection site and fever/ chills (15-30%) occurred in trials, were short lived, fully recoverable & bearable and are common to most vaccines.

# Fact:



**Serious adverse effects are not common at all.**



2 people in the U.K. who had a history of severe allergies had an anaphylactoid allergic reaction after receiving the Pfizer vaccine. Both are recovering well. People with severe allergies to food, medicine or vaccines are not advised to get the Pfizer vaccine. It's important to note that the large clinical trials with ~45,000 people did not show a single case like this.

Trials are an ongoing scientific process. All subjects will be followed closely to determine duration of immunity, any future side effects. Nothing observed thus far is uncommon but we will keep learning more. If the average person gets vaccinated - it would protect everyone who can't get the vaccine from COVID-19.



Source: Mayo Clinic

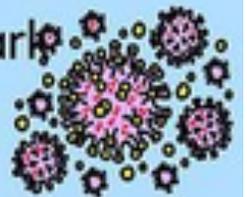
**Myth:** mRNA vaccines are more dangerous & can alter your DNA.

**Fact:** The mRNA vaccine is likely safer than others since there is no live virus included at all. The vast majority of side effects occur within 2 weeks after a vaccine, not long-term. We already have this promising safety data from trials.

- **No, it is impossible (as per all principles of biology) for RNA vaccines to alter our DNA.**



- **No, it is not safer to get COVID-19 (which can lead to a severe illness requiring ICU hospitalization, even in healthy young adults). The vaccine is not a disease agent, it is an agent to spark your immune system.**



- **No the second dose is not more dangerous than the first.** If anything, the trials show less side effects occur after the second since your body is familiar with the vaccine already & primed.

- **No as of now we have zero evidence that the virus mutating is an issue.** It is relatively stable.



# Quick COVID-19 vaccine myth-busting

✗ No the vaccine will not be forced by the federal govt. States & institutions might choose to mandate it since this is a major public health risk.



✗ No the vaccine doesn't have any deadly agent or government tracking chip in it.

✗ No this will not be the only solution to ending the pandemic- all public health measures are vital.



✗ No, it is not impossible to make enough doses for everyone. The real hurdle is if the number of people who might not take it & if marginalized, poor communities will have access.



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