

The Covid Vaccine

IS IT SAFE IF IT WAS APPROVED SO FAST?

The Covid Vaccine is one of the great scientific achievements of all time. Despite how fast it was developed it was done with NO sacrifices for safety. It followed all the usual protocols for new vaccines. *So how did it get done so fast?* Here are 3 main factors:

There were already vaccines in progress for similar viruses like MERS and SARS. These had already had a decade to perfect the process. We didn't have to go through this phase with Covid because it was already done!



1

\$\$\$\$- Never before have so many scientists worked on the same problem all at the same time. This was possible because of billions of dollars of government funding. They also did not have to wait in line for approvals from FDA. They had the same approval process, but they just skipped the normal line to wait for those to be done. Trying to find funding and waiting in line for FDA approval at every step usually adds years to the time line for new medications.

2

There was a lot of Covid in the community. How phase three of trials works is you predetermine how many cases you need to tell if the vaccine works. You then recruit volunteers, give the vaccine, and wait for people to naturally catch the disease. This step can take 3-7 years for things like chicken pox or HPV. But because Covid is so common this only took months to get to that number. This phase of study was much larger than vaccine studies in the past because of increased funding and lots of volunteers.

3

WHAT ARE THE SIDE EFFECTS OF THE VACCINE?

40% of the people who got vaccine report mild symptoms like body aches, fever and fatigue. These last 24-48 hours and are self-limited.

Some vaccines have more serious and rare complications but these are usually less than 1 in millions.

But good news! We will be getting the vaccine after tens of millions of people so this will be better known then.

BECAUSE ALL THINGS HAVE SOME RISK, IT HELPS TO COMPARE OUR CHOICES.

Covid Vaccine:

(Problems per 100 people)

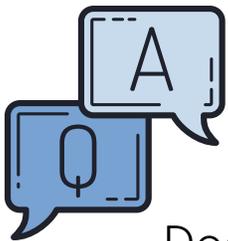
- 10-15 people will have mild symptoms; body aches, fever and fatigue
- In studies, less than 1 person had enough side effects to miss work.
- since release of the vaccine, .002% of the people have had an allergic reaction.

Covid Infection:

(Problems per 100 people)

- 1.8 deaths
- 19 will be hospitalized
- 40 will have symptoms more than 60 days
- 34 will have lung complications
- 29 will have heart damage from inflammation
- 2 will be unable to return to work

Comparing the choices helps make it clear that though there are risks they are no greater than other vaccines, and those risks are far less common than the risks from having a Covid infection.



Can you get Covid from the vaccine?

NO.

Does the vaccine change your DNA?

NO, MRNA cannot enter the nucleus where your DNA is.

Does the vaccine contain fetal cells?

No fetal cells are used in the testing or production of MRNA vaccines.

Will it affect fertility, pregnancy or breastfeeding?

Likely not, but more studies are being done to confirm.

If I've had Covid, do I have to have the vaccine?

Yes, vaccines make better antibodies than natural infection.