#### UCI Health

# FACTS ABOUT THE COVID-19 VACCINES



## THE COVID-19 VACCINES ARE SAFE AND EFFECTIVE.

Modern scientific tools and world-wide collaboration enabled the COVID-19 vaccines to be developed quickly without sacrificing safety. Before the COVID-19 vaccines were approved for use in the US, clinical trials were conducted to test effectiveness. Once approved, they are then continually studied and evaluated by multiple federal agencies determine its safety and effectiveness.

### THE COVID-19 VACCINES WILL KEEP YOU FROM GETTING COVID-19.

The COVID-19 vaccination helps protect you by creating a immune system response without having to experience sickness. The vaccines teach the body to recognize "spike" proteins that are present on the COVID-19 virus. Since the body does not know what this protein is, it will attack it. It will remember the characteristics of the protein and will attack it again if it encounters the spike proteins on the COVID-19 virus.





#### VACCINATION WILL HELP END THE PANDEMIC.

THE COVID-19

The vaccines will help control and reduce the spread of COVID-19. They not only prevent you from getting COVID-19, but protect those around you. When a significant proportion of the population is immune to the disease, the virus will not be able to infect as many people. It will not be able to spread as quickly and will not infect as many people.

### THE COVID-19 VACCINES STILL WORK AGAINST NEW VARIANTS OF THE VIRUS.

The vaccines teach the body to recognize the multiple "spike" proteins that lie on the COVID-19 virus' surface. A mutation will not destroy all the "spike" proteins, so the body will still recognize the virus and send out an immune response!



SOURCE: CENTER FOR DISEASE CONTROL