

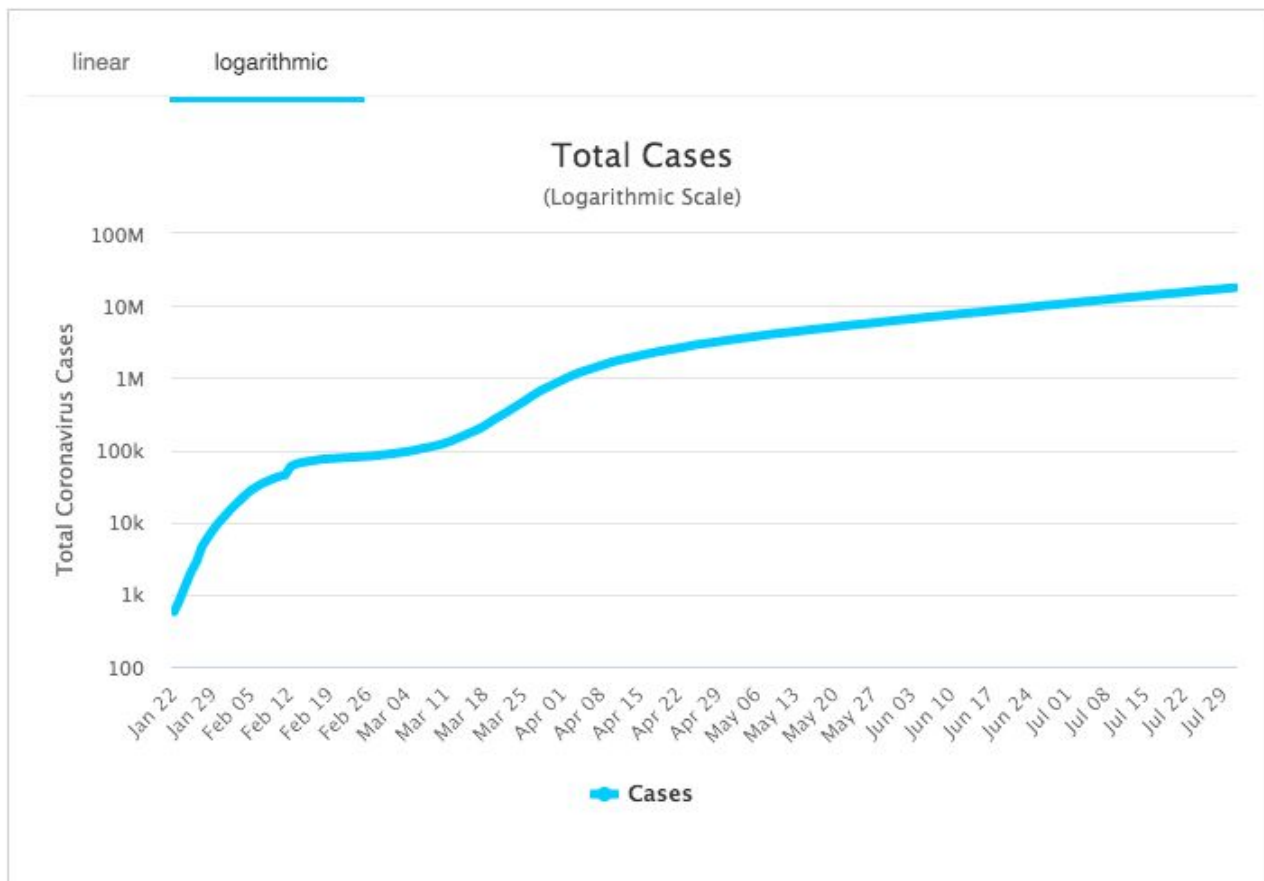
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The Prevention and Cure of COVID-19

In 1346 the Black Death. In 1916 the polio epidemic. And in 1918 the Spanish Flu. Time and time again, humans have been faced with enormous challenges. But, we have overcome each and every one of these obstacles by finding a solution. Now, in the year 2020, we are presented with a new challenge: COVID-19. That, in turn, means that it is also time to find a cure to put an end to it. While doctors are putting endless hours into treating patients, scientists from companies and organizations across the world are working towards developing a vaccination that will prevent COVID-19.

One such organization is the Bill and Melinda Gates Foundation. The foundation has formed a plan to find, develop, manufacture, and distribute vaccines worldwide. According to an article from the National Institutes of Health, written on July 27, 2020, another vaccine called mRNA-1273 was “co-developed by the company Moderna Inc. and National Institute of Allergy and Infection Disease” and has entered phase 3 of testing. In phase 3 of vaccine testing, the vaccine is tested on thousands of people who have volunteered to take part in the vaccine trial. There is also hope in an ongoing vaccine trial done by Oxford University. The phase 1 and phase 2 testing showed that “100% of participants' blood had neutralizing activity against the coronavirus.” Out of all the participants, ten received two doses and showed “the strongest immune response.” This is an encouraging result, as the stronger the immune response, the less chance of getting COVID-19.



<https://www.worldometers.info/coronavirus/coronavirus-cases/#total-cases>

As seen in the graph above, the number of cases is increasing every day. This shows that it is crucial that people should follow the rules and recommendations given by the Center for Disease Control, such as social distancing and wearing masks.

For patients that are diagnosed with COVID-19, there are ways to treat it. One way is by using the drug Remdesivir. The National Institutes of Health, “recommends that Remdesivir be prioritized for use in hospitalized patients with COVID-19 who require supplemental oxygen but

who are not on high-flow oxygen, noninvasive ventilation, mechanical ventilation, or ECMO (BI).”

The road to finding a vaccination is not yet over. But the world has met many challenges like COVID-19 before. Just like how we put an end to the Black Death, Polio Epidemic, and Spanish Flu, we will also put an end to COVID-19.

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