SCIENCE SAVES

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A little more than a century since the most severe pandemic claimed the lives of 50 million people worldwide, this year, we are faced again with another novel disease that has drastically changed the way we live, especially the way we breathe. But, by this time, what is different? What has changed? Science.

The science we have right now has come a very long way from what it was back then. Before, it has taken us almost 9 decades to fully sequence a virus. Today, it only took 5 days, not even a full month, since the first case report. Scientific research has been directed towards clinical treatment and prevention and effort. This paved the way for pharmaceutical companies to immediately start developing potential vaccine candidates. At the moment, three of these are already nearing completion.

Another notable applicability of science includes projections obtained from statistical and machine learning models. These projections served as guides for policymakers in the implementation of non-pharmaceutical public health interventions such as social distancing and community quarantines. It is also worth mentioning that, without science, diagnosing the disease would be impossible. Since the range of symptoms of COVID-19 is highly similar to influenza, physicians employ the use of molecular and serological tests for confirmation. Molecular tests are the result of countless research on nucleic acid molecules while serological tests are the product of numerous studies on antigen-antibody interaction. The entire universe obeys the same scientific rule. The better we study it the better we prepare will be for the challenges that may come on our way. Look around you. Everywhere you look, science works for you, for us. Science and technology
have taken part and will continue to involve. From the very first pandemic until now, science saves.

References:

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