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Creators and discovery of vaccines against COVID-19



A COVID-19 Vaccine

A vaccine intended to provide acquired



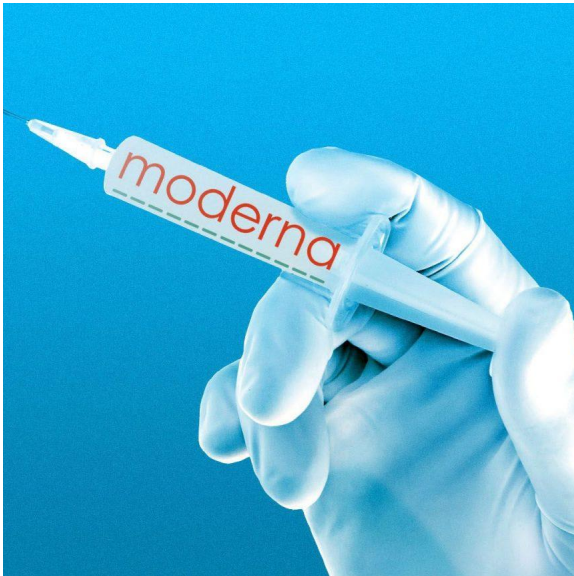
The Big Three - Pfizer/BioNTech, Moderna and Oxford/ AstraZeneca

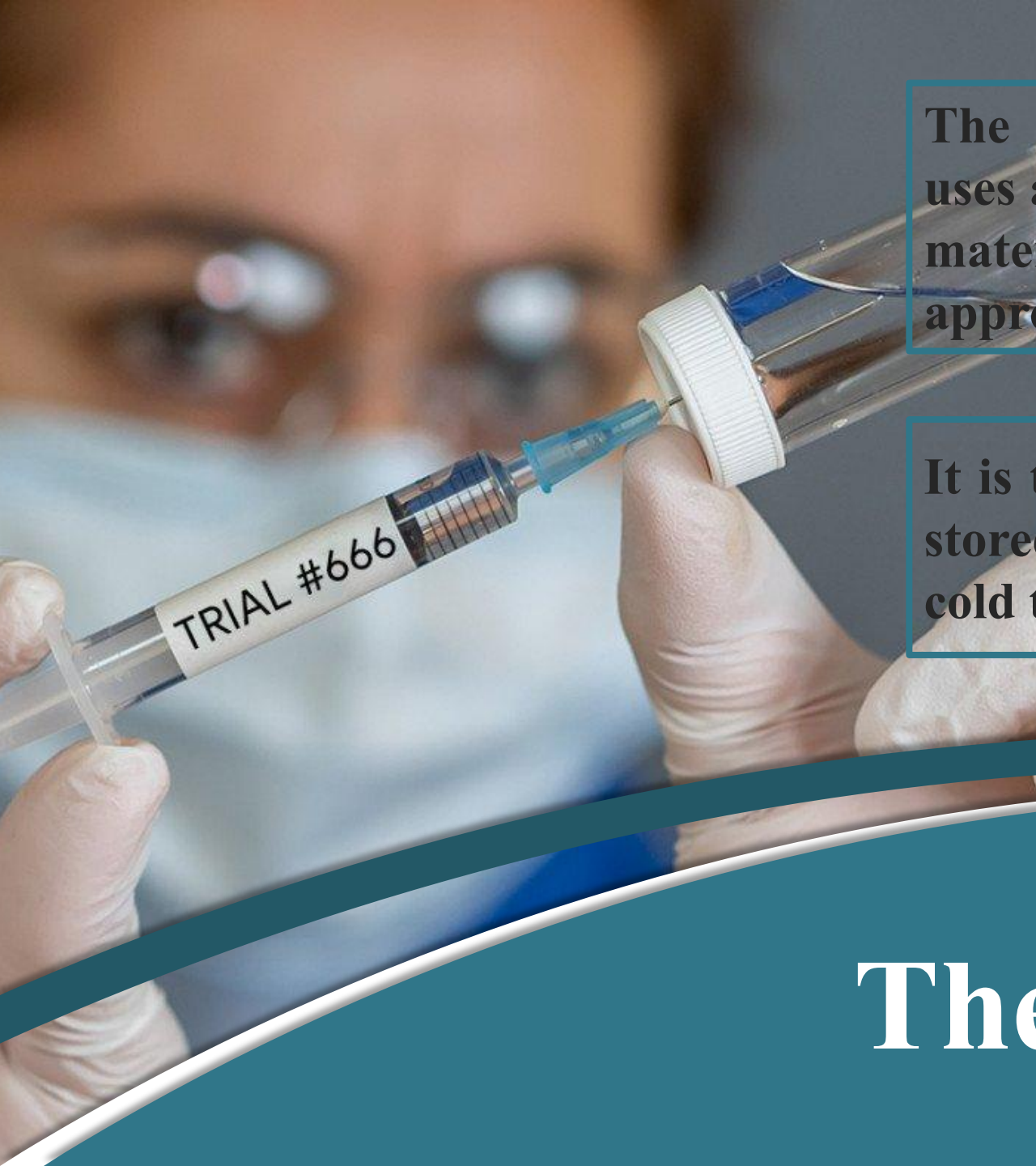


The three vaccine frontrunners are those developed by Pfizer/BioNTech, Pfizer and Moderna have both

developed RNA vaccines - a new approach that is incredibly quick to

These have been approved for use in the UK, Europe and the US.





The Oxford vaccine is subtly different as it uses a harmless virus to carry the same genetic material into the body. This has been approved in the UK and Europe.

It is the easiest of the three to use as it can be stored in a fridge, rather than needing very cold temperatures.

The Oxford Vaccine

Janssen and Novavax



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The work by Janssen, which is owned by Johnson & Johnson, and Novavax will now be reviewed by drugs regulators before their jabs can be approved.

Novavax is using a different, old-school, approach to vaccines - proteins from the virus and a chemical to prime the immune system are injected into the body.

A collection of medical supplies is arranged on a white background. In the upper left, a blue stethoscope is partially visible. Below it, a small pile of pills includes green, yellow, and blue capsules. In the lower left, two syringes are shown: one with a green plunger and another with a clear plunger, both with needles attached.

Chinese vaccines

The Sinovac, CanSino and Sinopharm vaccines have been developed by scientists in China and deals have signed with other countries in Asia and South America.

Around one million people in China are reported to have been given the Sinopharm injection.



Russian vaccine

The Sputnik V vaccine, developed by Russia's Gamaleya Research Centre, is also effective according to late stage trial results published in The Lancet. Some people have been immunised.



Conclusion

It is hard to compare one company's results with another as their trials will have been conducted in slightly different ways and at different points in the pandemic. However, all the main vaccines seem to have a large impact on your chances of needing hospital treatment or dying from Covid.



Thank you!