

The BBC has produced this [helpful summary](#), but we have reproduced some data below.

Pfizer and Moderna both developed RNA vaccines - a new approach that is incredibly quick to design. They inject a tiny fragment of the virus's genetic code into the body, which starts producing part of the coronavirus and pushes the body to mount a defence.

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. The Janssen vaccine developed by Johnson & Johnson's pharmaceutical arm, uses the same technology as the Oxford-AstraZeneca one and is likely to be more suitable for older adults than younger people.

Pfizer BioNTech	Oxford University / AstraZeneca	Moderna	Janssen
<p>The big breakthrough came when Pfizer-BioNTech published its first results in November 2020.</p> <p>They showed the vaccine is up to 95% effective.</p> <p>The UK is due to get 100 million doses.</p> <p>It is given in two doses 12 weeks apart.</p> <p>The vaccine must be stored at a temperature of around -70C.</p> <p>On 2 December 2020, the UK became the first country in the world to approve the vaccine for widespread use.</p>	<p>The roll-out of the Oxford vaccine began on 5 January 2021.</p> <p>It was approved late in 2020 after trials showed that it stopped 70% of people developing COVID-19 symptoms. The data also showed a strong immune response in older people.</p> <p>There is data that suggests perfecting the dose could increase protection up to 90%.</p> <p>The UK has ordered 100 million doses.</p> <p>It is given in two doses up to 12 weeks apart.</p>	<p>It protects 94.5% of people, the company says.</p> <p>The UK has pre-ordered 17 million doses which it should receive in the spring.</p> <p>It is given in two doses, 12 weeks apart.</p> <p>30,000 have been involved in the trials.</p> <p>It is easier to store, because it stays stable at -20C for up to six months.</p>	<p>A single-dose Covid vaccine made by Janssen has now been approved for use in the UK.</p> <p>Twenty million doses of the jab, which was 85% effective in stopping severe illness from Covid-19 in trials, will arrive later this year.</p> <p>Because only one dose is needed - and the vaccine can be stored in a fridge - it could have a significant impact around the world. A billion doses are planned this year.</p>

How the vaccines compare

Company	UK Approved	Type	Doses	Storage
 Oxford Uni-AstraZeneca		Viral vector (genetically modified virus)	 x2	 Regular fridge temperature
 Pfizer-BioNTech		RNA (part of virus genetic code)	 x2	 -70C
 Moderna		RNA	 x2	 -20C
 Janssen		Viral vector	 x1	 Regular fridge temperature
 Novavax	Pending	Protein-based	 x2	 Regular fridge temperature

Source: Respective companies, WHO

How many millions of doses of vaccine has the UK ordered?

