**Covid-19 frequently asked questions**

This document provides answers to some of the most frequently asked questions around coronavirus and the Covid-19 vaccine for a general public audience.

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# **Coronavirus**

## What is Covid-19?

Covid-19 is caused by a new coronavirus. It is very infectious and can lead to severe respiratory disease.

Many people who are infected may not have any symptoms or only have mild symptoms. These commonly start with a cough, fever, headache and loss of taste or smell.

Some people will feel very tired, have aching muscles, diarrhoea and vomiting, fever and confusion.

A small number of people then go on to have severe disease which may mean they are admitted to hospital.

For more information, please see the [gov.uk website](https://www.gov.uk/government/publications/covid-19-vaccination-guide-for-older-adults/covid-19-vaccination-guide-for-older-adults).

# **About the Covid-19 vaccine**

**Vaccine development**

## What COVID-19 vaccines are currently available?

The Pfizer/BioNTech and Oxford/AstraZeneca Covid-19 vaccines have been approved for use in the UK and are now available. The Moderna vaccine has also been approved for use and is expected to be available by Spring 2021.

Any coronavirus vaccine that is approved must go through all the clinical trials and safety checks all other licensed medicines go through.

Other vaccines are being developed. They will only be available on the NHS once they have been thoroughly tested to make sure they are safe and effective.

## How do the Covid-19 vaccines work?

Vaccines teach your immune system how to create antibodies that protect you from diseases.

It's much safer for your immune system to learn this through vaccination than by catching the diseases and treating them.

Once your immune system knows how to fight a disease, it can often protect you for many years.

More information on how vaccines work and why they are important is available on the [NHS website](https://www.nhs.uk/conditions/vaccinations/why-vaccination-is-safe-and-important/).

## How were these vaccines developed so quickly when it usually takes so long?

The vaccines have been developed and trialled in the same way as other medicines and vaccines available in the UK but there are a number of reasons why they have been developed quickly compared to other medicines.

This includes:

* The different phases of the vaccine trial were run at the same time, rather than one after the other, which sped up the clinical process.
* The data from the trials was shared with the MHRA as soon as it was available, rather than waiting until the end.
* Funding for all of the trials was available at every stage, so there were no delays often caused by seeking funding to continue.
* Thousands of people were recruited to take part in the clinical trial very quickly, as it was a global effort and many people wanted to volunteer.

## What is the difference between the vaccines that have been approved?

The vaccines that have been approved for use are classed as highly effective, even from just the first dose.

After one dose, the Pfizer/BioNTech vaccine has been estimated to offer 89% effectiveness from two weeks after it is given. The Oxford/AstraZeneca has been estimated to offer 74% effectiveness from two weeks after it is given.

Clinical trials showed the Moderna vaccine was 94% effective after two doses.

It is important to note that all vaccines approved for use in the UK are highly effective and offer the best protection against coronavirus.

## Why is the Moderna vaccine not available if it has been approved?

The Moderna vaccine has been approved for use in the UK by the Medicines Healthcare and products Regulatory Agency (MHRA). The Government has ordered several million doses of the vaccine, but we do not expect Moderna to be able to make these available until spring 2021.

Further information on the Moderna vaccine can be found on the [gov.uk website.](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-moderna/information-for-uk-recipients-on-covid-19-vaccine-moderna)

**Vaccines trials**

## Who have the vaccines been trialled on?

Both vaccines approved for use in the UK have been trialled on a variety of people from different backgrounds. This includes men and women of various ages and ethnicities, and those with underlying health conditions.

Further information on the vaccine trials can be found here:

* [Pfizer/BioNTech](https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-healthcare-professionals-on-pfizerbiontech-covid-19-vaccine)
* [Oxford/AstraZeneca](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-healthcare-professionals-on-covid-19-vaccine-astrazeneca)
* [Moderna](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-moderna/information-for-uk-recipients-on-covid-19-vaccine-moderna)

## Were the vaccines trialled on different ethnic groups?

Yes, all vaccines that are approved for use in the UK have been trialled on people from a variety of different ethnic groups.

Out of the participants in the Pfizer/BioNTech vaccine trial, 82.1% were White, 9.6% were Black or African American, 26.1% were Hispanic/Latino, 4.3% were Asian and 0.7% were Native American/Alaskan native.

Out of the participants in the Oxford/AstraZeneca vaccine trial, the 75.5% of recipients were White,10.1% were Black and 3.5% were Asian.

Out of the participants in the Moderna vaccine trial, 19.7% were Hispanic or Latino, and 9.7% were African American.

There is no evidence either of the vaccines will work differently in different ethnic groups.

Further information on the vaccine trial can be found here:

* [Pfizer/BioNTech](https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-healthcare-professionals-on-pfizerbiontech-covid-19-vaccine)
* [Oxford/Astrazeneca](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-healthcare-professionals-on-covid-19-vaccine-astrazeneca)
* [Moderna](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-moderna/information-for-uk-recipients-on-covid-19-vaccine-moderna)

**Priority groups**

## Why aren’t BAME groups being prioritised?

Although there is clear evidence that some BAME groups have higher rates of Covid-19 infection and are at greater risk of serious illness and death, there is no strong evidence to suggest that this is due to ethnicity (by itself) or genetics.

Certain health conditions mean that some people are at higher risk of serious illness or death due to Covid-19, and some of these health conditions are more common in certain BAME groups.

By prioritising the vaccination of those most at risk, people from BAME communities with certain underlying health conditions will be invited to receive their vaccine.

For further information on priority groups, please see the Joint Committee for Vaccinations and Immunisations (JCVI) statement on the [gov.uk website](https://www.gov.uk/government/publications/priority-groups-for-coronavirus-covid-19-vaccination-advice-from-the-jcvi-30-december-2020).

# **Covid-19 vaccine – eligibility**

## When will I receive the vaccine?

The order in which people will be offered the vaccine is based on advice from the Joint Committee on Vaccination and Immunisation (JCVI).

The [NHS.uk website](https://www.nhs.uk/conditions/coronavirus-covid-19/coronavirus-vaccination/coronavirus-vaccine/) includes an up-to-date list of who is eligible for the Covid-19 vaccine. Please visit nhs.uk/covid-vaccination

The vaccine will be offered to people aged 16 years and over. The NHS will let you know when it's your turn to have the vaccine. It's important not to contact the NHS for a vaccination before then.

The latest Joint Committee on Vaccination and Immunisation (JCVI) advice on priority groups for the Covid-19 vaccine can be found on the [gov.uk website](https://www.gov.uk/government/publications/priority-groups-for-coronavirus-covid-19-vaccination-advice-from-the-jcvi-30-december-2020).

## Do I have to pay for the Covid-19 vaccine?

No, the Covid-19 vaccine is free and is available through the NHS to eligible groups.

The NHS will never ask you to pay for your vaccine, share any bank details/passwords or any documents such as a passport or driver’s license.

If you receive a call you believe to be fraudulent, hang up. If you believe you have been the victim of fraud or identity theft you should report this directly to [Action Fraud](https://www.actionfraud.police.uk/covid19) on 0300 123 2040. Where the victim is vulnerable, and particularly if you are worried that someone has or might come to your house, report it to the police online or by calling 101.

## If I’ve already had Covid do I still need to get vaccinated?

Yes, you should still get vaccinated when you are eligible even if you have had Covid.

## I’m suffering from ‘Long Covid’ should I get vaccinated?

If you are suffering from ‘Long Covid’ and you are eligible for a vaccination, you should discuss this with your GP or another healthcare professional who will be able to advise you on whether or not to get the vaccine.

## Should I get the vaccine if I have underlying health conditions?

All people who are in the Clinically Extremely Vulnerable group and all those who have underlying health conditions which put them at higher risk of serious disease or mortality are eligible for a Covid-19 vaccine. Whether you are offered the vaccine as part of these groups may depend on the severity of your condition. Your GP can advise on this. A full list can be found on the [gov.uk website](https://www.gov.uk/government/publications/covid-19-vaccination-guide-for-older-adults/covid-19-vaccination-guide-for-older-adults).

If you've ever had a serious allergic reaction, you should tell healthcare staff before you are vaccinated.

You should not have the COVID-19 vaccine if you have ever had a serious allergic reaction (including anaphylaxis) to:

* a previous dose of the same vaccine
* any of the ingredients in the vaccine

Serious allergic reactions are rare. If you do have a reaction to the vaccine, it usually happens in minutes. Staff giving the vaccine are trained to deal with allergic reactions and treat them immediately.

## How do I get a vaccine? If I’m vulnerable will the vaccine be brought to me?

The NHS is currently offering the COVID-19 vaccine to people most at risk from coronavirus.

In England, the vaccine is being offered in some hospitals and pharmacies, at local vaccination centres run by GPs and at larger vaccination centres. More centres are opening all the time.

The NHS will contact you and invite you to book an appointment when it is your turn. You may receive a phone call, text message or letter from your GP practice or local NHS service. You may receive a letter from the NHS to book online or over the phone at a vaccination centre.

If you are vulnerable, the NHS is putting plans in place to ensure people who are eligible get the vaccine safely. If you are a care home resident or you cannot leave home, this will involve someone from your local vaccination service coming to you.

The latest Joint Committee on Vaccination and Immunisation (JCVI) advice on priority groups for the Covid-19 vaccine can be found on the [gov.uk website](https://www.gov.uk/government/publications/priority-groups-for-coronavirus-covid-19-vaccination-advice-from-the-jcvi-30-december-2020).

## I’m not registered with a GP, how will I be contacted?

Anyone in England can register with a GP surgery and see a primary care doctor or nurse for free. You do not need proof of address or immigration status.

Overseas visitors to England, including anyone living in the UK without permission, will not be charged for vaccination for COVID-19, and immigration checks are not needed to receive the vaccination.

For information on how to register with a GP, please visit [www.nhs.uk/nhs-services/gps/how-to-register-with-a-gp-surgery/](https://www.nhs.uk/nhs-services/gps/how-to-register-with-a-gp-surgery/). You can usually contact them online or by phone.

## I’m healthy, do I need to get vaccinated? / is the vaccine compulsory?

Even if you are healthy you should get vaccinated. Although the covid-19 vaccine is not compulsory, it gives you the best protection against coronavirus.

## I’m pregnant, should I get vaccinated?

There's no evidence the COVID-19 vaccine is unsafe if you're pregnant. The vaccine cannot give you or your baby COVID-19, but more evidence is needed before you can routinely be offered it.

The JCVI has updated its advice to recommend you may be able to have the vaccine if you're pregnant and:

* at high risk of getting coronavirus because of where you work
* have a health condition that means you're at high risk of serious complications of coronavirus

Speak to a healthcare professional before you have the vaccination. They will discuss the benefits and risks with you.

The latest Covid-19 vaccine advice if you’re pregnant can be found on the [gov.uk website](https://www.gov.uk/government/publications/covid-19-vaccination-women-of-childbearing-age-currently-pregnant-planning-a-pregnancy-or-breastfeeding/covid-19-vaccination-a-guide-for-women-of-childbearing-age-pregnant-planning-a-pregnancy-or-breastfeeding).

## I’m breastfeeding, should I get vaccinated?

Although there is no data on the safety of Covid-19 vaccines in breastfeeding or breastfed infants, the vaccines are not thought to be a risk to breastfeeding infants.

The JCVI has recommended the vaccine can be received whilst breastfeeding. This is also recommended by the World Health Organisation.

The latest Covid-19 vaccine advice if you are breastfeeding can be found on the [gov.uk website](https://www.gov.uk/government/publications/covid-19-vaccination-women-of-childbearing-age-currently-pregnant-planning-a-pregnancy-or-breastfeeding/covid-19-vaccination-a-guide-for-women-of-childbearing-age-pregnant-planning-a-pregnancy-or-breastfeeding).

## I’m trying for a baby, should I get vaccinated?

There is no evidence to suggest that Covid-19 vaccines will affect fertility and you do not need to avoid pregnancy after vaccination. The vaccine cannot give you or your baby Covid-19.

The Royal College of Obstetricians and Gynaecologists (RCOG) and the Royal College Midwives (RCM) issued a joint statement to provide reassurance around the misinformation that has been shared about the impact of Covid-19 vaccines on fertility. You can read the full statement [here](https://www.rcog.org.uk/en/news/RCOG-and-RCM-respond-to-misinformation-around-Covid-19-vaccine-and-fertility/).

# **Covid-19 vaccine – timing**

## Why are you postponing second doses? / Why is there such a long gap between the first and second vaccine?

The UK Chief Medical Officers have agreed a longer timeframe between first and second doses so that more people can get their first dose quickly, and because the evidence shows that one dose still offers a high level of protection after two weeks.

This decision will help us save lives by getting the maximum benefit for the most people in the shortest possible time.

Getting both doses remains important so we would urge people to return for it at the right time.

For further information, please see the [Joint Committee on Vaccination and Immunisation’s statement](https://www.gov.uk/government/publications/prioritising-the-first-covid-19-vaccine-dose-jcvi-statement) on prioritising the first does.

# **Covid-19 vaccine safety**

## How do I know the vaccines are safe?

The vaccines approved for use in the UK have met strict standards of safety, quality and effectiveness set out by the independent Medicines and Healthcare products Regulatory Agency (MHRA).

Any coronavirus vaccine that is approved must go through all the clinical trials and safety checks all other licensed medicines go through. The MHRA follows international standards of safety.

The vaccines were trialled in the same way as other medicines and vaccines available in the UK. The COVID-19 vaccine trials involved tens of thousands of people from a range of backgrounds to ensure that they are safe for everyone.

So far, millions of people have been given a COVID-19 vaccine and reports of serious side effects, such as allergic reactions, have been very rare. No long-term complications have been reported.

For more information, please see the [NHS.uk website](https://www.nhs.uk/conditions/coronavirus-covid-19/coronavirus-vaccination/).

## Can having the Covid-19 vaccine give me Covid?

You cannot catch Covid-19 from the vaccine but it is possible to have caught Covid and not develop the symptoms until after your vaccination appointment.

The most important symptoms of Covid-19 are recent onset of any of the following:

* a new continuous cough
* a high temperature
* a loss of, or change in, your normal sense of taste or smell.

If you have the symptoms above, stay at home and arrange to have a test. If you need more information on symptoms visit [www.nhs.uk/conditions/coronavirus-COVID-19/symptoms](http://www.nhs.uk/conditions/coronavirus-COVID-19/symptoms)

## Have people died from the vaccine?

So far, millions of people have been given a COVID-19 vaccine and reports of serious side effects, such as allergic reactions, have been very rare. No long-term complications have been reported.

The Medicines and Healthcare products Regulatory Agency (MHRA) is continuing to monitor reports of adverse reactions. So far, the MHRA have received a small number of reports of suspected adverse reactions in which a patient has died shortly after vaccination. The majority of these reports were in elderly people or people with underlying illness.

A review of these individual reports does not suggest that the vaccine played a role in the death.

Further information on adverse reactions can be found on the [gov.uk website](https://www.gov.uk/government/publications/coronavirus-covid-19-vaccine-adverse-reactions/coronavirus-vaccine-summary-of-yellow-card-reporting).

## Can I choose which vaccine I have?

You will not be able to choose which vaccine you have. However, all the vaccines have been approved for use which means they are safe and effective.

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# **Covid-19 vaccine side-effects**

## Are there any side effects?

Most side effects of the COVID-19 vaccine are mild and should not last longer than a few days, such as:

* a sore arm where the needle went in
* feeling tired
* a headache
* feeling achy
* feeling or being sick

You can take painkillers, such as paracetamol, if you need to.

Although a mild fever can occur within a day or two of vaccination, if you have any other COVID symptoms (new continuous cough or loss of/change in your normal sense of taste or smell) or your fever lasts longer, stay at home and arrange to have a test.

If your symptoms get worse or you are worried, call 111

Further information on side-effects for the vaccines approved for us in the UK can be found on the gov.uk website:

* [Pfizer/BioNTech vaccine](https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-uk-recipients-on-pfizerbiontech-covid-19-vaccine)
* [Oxford/AstraZeneca](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-uk-recipients-on-covid-19-vaccine-astrazeneca)
* [Moderna](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-moderna/information-for-uk-recipients-on-covid-19-vaccine-moderna)

# **Covid-19 vaccine effectiveness**

## How long after I have a vaccine until I am protected?

The MHRA have said these vaccines are highly effective even with just the first dose, but to get full protection people need to come back for the second dose – this is really important.

Full protection kicks in around a week or two after that second dose. There is a small chance you might still get coronavirus or pass it on even if you have the vaccine.

So even if you have received a vaccine you still need to follow social distancing and other guidance.

## What happens if I have my first jab but not my second?

It is important to get both doses of the coronavirus vaccine, as evidence from clinical trials shows this gives people the maximum level of protection.

Although the vaccines give you the majority of your protection from around two weeks after the first dose, it is still really important to get your second booster dose.

## Will the vaccines work with the new strains?

There is currently no evidence that the new strains will be resistant to the vaccines we have. Viruses, such as the winter flu virus, often develop into new strains, but these new strains rarely make vaccines completely ineffective. This is being continually monitored.

## Once I’ve had my vaccine how long will it be effective for?

It is expected that the vaccine will be effective for at least a year. This will continually be monitored.

## Can I still pass on Covid-19 to others after having the vaccine?

There is a chance you might still get or spread coronavirus even if you have the vaccine.

This means it is important to:

* continue to follow [social distancing guidance](https://www.nhs.uk/conditions/coronavirus-covid-19/social-distancing/what-you-need-to-do/)
* if you can, wear something that covers your nose and mouth in places where it's hard to stay away from other people

For further information, please see the [gov.uk website](https://www.gov.uk/government/publications/covid-19-vaccination-guide-for-older-adults/covid-19-vaccination-guide-for-older-adults).

# **Covid-19 vaccine ingredients**

## What ingredients are in the vaccines?

Vaccines only contain ingredients that are essential to make them safe and effective. Any ingredients with potential to cause harm, for example, an allergic reaction, are listed even if present in such small amounts.

The vaccine ingredients for both vaccines approved in the UK can be found here:

* [Pfizer/BioNTech vaccine](https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-uk-recipients-on-pfizerbiontech-covid-19-vaccine)
* [Oxford/AstraZeneca](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-uk-recipients-on-covid-19-vaccine-astrazeneca)
* [Moderna](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-moderna/information-for-uk-recipients-on-covid-19-vaccine-moderna)

## Do the vaccines contain any animal or meat products?

The approved Covid-19 vaccines do not contain any animal, meat or egg products.

The vaccine ingredients for all vaccines approved in the UK can be found here:

* [Pfizer/BioNTech vaccine](https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-uk-recipients-on-pfizerbiontech-covid-19-vaccine)
* [Oxford/AstraZeneca](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-uk-recipients-on-covid-19-vaccine-astrazeneca)
* [Moderna](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-moderna/information-for-uk-recipients-on-covid-19-vaccine-moderna)

## Do the vaccines contain any materials from foetal origins?

No. There is no material of foetal origin in either vaccine.

The vaccine ingredients for all vaccines approved in the UK can be found here:

* [Pfizer/BioNTech vaccine](https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-uk-recipients-on-pfizerbiontech-covid-19-vaccine)
* [Oxford/AstraZeneca](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-uk-recipients-on-covid-19-vaccine-astrazeneca)
* [Moderna](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-moderna/information-for-uk-recipients-on-covid-19-vaccine-moderna)

## Do the vaccines contain any alcohol?

The Pfizer/BioNTech vaccine does not contain any alcohol. The Oxford/AstraZeneca vaccine contains a very small amount of alcohol (ethanol), which is less than what is found in natural foods or bread. This is not enough to cause any noticeable effects.

The vaccine ingredients for both vaccines approved in the UK can be found here:

* [Pfizer/BioNTech vaccine](https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-uk-recipients-on-pfizerbiontech-covid-19-vaccine)
* [Oxford/AstraZeneca](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-uk-recipients-on-covid-19-vaccine-astrazeneca)

## Can the vaccines alter your genetic material?

There is no evidence to suggest that vaccines alter your genetic material.

The Pfizer/BioNTech vaccine uses mRNA technology. This teaches our cells to make protein that triggers a protective immune response. The mRNA is broken down soon after it enters the body. mRNA never enters the nucleus of the cell, where our DNA is kept.

Further information about the vaccines approved for use in the UK can be found here:

* [Pfizer/BioNTech vaccine](https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-uk-recipients-on-pfizerbiontech-covid-19-vaccine)
* [Oxford/AstraZeneca](https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-uk-recipients-on-covid-19-vaccine-astrazeneca)

# **Vaccine hesitancy**

## I am not sure what stance faith leaders hold on these vaccinations.

The Covid-19 vaccines that have been approved for use in the UK have been endorsed by numerous faith leaders.

Some examples of support include the British Islamic Medical Association, which has consulted various experts about both the Pfizer/BioNTech vaccine and the Oxford/AstraZeneca vaccine and has advised that eligible, at-risk individuals in the Muslim community should receive the vaccine.

The Chief Rabbi, Ephraim Mirvis, has also issued a video explaining that is important to have the Covid-19 vaccine to protect yourself and others around you.

The Sikh Council have urged Sikhs to safeguard themselves against rumours and misinformation and encouraged them to follow government guidelines and advice.

Faith leaders from the Church of England, Anglican, Methodist, Salvation Army, Baptist, Pentecostal, Evangelical and black majority churches have pledged their support to the ‘Give Hope’ campaign which aims to share information about the Covid-19 vaccine and dispel any misinformation.

Further information:

* The position statements from the British Islamic Medical Council on vaccines approved for use in the UK can be found here: [Pfizer/BioNTech](https://britishima.org/pfizer-biontech-covid19-vaccine/), [Oxford/AstraZeneca](https://britishima.org/covid19-vaccine-az/)
* A video of the Chief Rabbi can be viewed [here](https://www.thejc.com/news/uk/chief-rabbi-it-is-a-religious-imperative-to-get-vaccinated-1.510488).
* Information on the Give Hope campaign can be found [here](https://yourneighbour.org/vaccine).

## My family are saying they won’t get vaccinated, what should I do?

People are advised to make their own choice based on the information and facts from NHS and government organisations.

Certain health conditions mean that some people are at higher risk of serious illness or death due to Covid-19, and some of these health conditions are more common in certain BAME groups.

There is more of a risk of becoming seriously ill from Covid-19 than suffering an adverse reaction to the Covid-19 vaccine. Although not compulsory, the Covid-19 vaccine is safe and effective and it gives you the best protection against coronavirus.

The vaccines approved for use in the UK have met strict standards of safety, quality and effectiveness set out by the independent Medicines and Healthcare products Regulatory Agency (MHRA).

So far, millions of people have been given a COVID-19 vaccine and reports of serious side effects, such as allergic reactions, have been very rare. No long-term complications have been reported.

For more information on the Covid-19 safety and effectiveness, see the [NHS.uk website](https://www.nhs.uk/conditions/coronavirus-covid-19/coronavirus-vaccination/coronavirus-vaccine/).