

COVID-19 vaccines

Immunization protects you from disease. Get protected, get immunized.

- **Vaccines make your immune system stronger. They build antibodies to help prevent diseases.**
- **Immunization is safe. It is much safer to get immunized than to get this disease.**

What are COVID-19 vaccines?

COVID-19 vaccines protect against the SARS-CoV-2 virus (also known as COVID-19). COVID-19 is a new strain of coronavirus that has caused a worldwide pandemic. The virus causes an infection in the lungs and airways and is a type of respiratory illness. Go to ahs.ca/covid to learn more about COVID-19.

There are 2 types of COVID-19 vaccines approved for use in Canada:

- **mRNA vaccines:** The Pfizer-BioNTech and Moderna vaccines are mRNA vaccines.
- **Viral vector-based vaccines:** The AstraZeneca/COVISHIELD vaccine is a viral vector-based vaccine.

Learn more about COVID-19 mRNA vaccines at canada.ca/en/health-canada/services/drugs-health-products/covid19-industry/drugs-vaccines-treatments/vaccines.html

Learn more about viral vector-based vaccines for COVID-19 at canada.ca/en/health-canada/services/drugs-health-products/covid19-industry/drugs-vaccines-treatments/vaccines.html

Who should get a COVID-19 vaccine?

You should get a COVID-19 vaccine if you are age 12 years or older. Everyone is at risk of COVID-19.

COVID-19 vaccines are free.

If your child is getting a COVID-19 vaccine

Children under age 18 years need a parent or guardian to give consent for their immunization. If a parent or guardian cannot attend the appointment, they can give their written consent. Please complete the consent form found on ahs.ca/VaccineUnder18. In some cases, children under age 18 years may be able to give their own consent.

Can I get the COVID-19 vaccine if I am pregnant or breastfeeding?

Yes, you can get the COVID-19 vaccine if you are pregnant or breastfeeding. When you are pregnant, you have a higher risk of getting very sick from COVID-19. Getting a COVID-19 vaccine during pregnancy lowers your risk of getting seriously ill from COVID-19.

It is best to get an mRNA COVID-19 vaccine if you are pregnant. Research to date shows that it is the safest type of COVID-19 vaccine to get during pregnancy.

If you are pregnant or breastfeeding and have questions about getting the COVID-19 vaccine, talk to your healthcare provider.

How many doses do I need?

For the COVID-19 vaccines approved for use in Canada, you need 1 or 2 doses. The number of doses depends on the vaccine you get. If you get a vaccine that needs 2 doses your healthcare provider will let you know when you should get your second dose.

Visit alberta.ca/covid19-vaccine.aspx for more information.

How well do the COVID-19 vaccines work?

If you are healthy and get all the doses you need, the protection for COVID-19 is about:

- 95% for the Pfizer-BioNTech or Moderna vaccines
- 82% for the AstraZeneca/COVISHIELD vaccine

After 1 dose of any COVID-19 vaccine, your risk of getting COVID-19 is lowered by about 60 to 80%, however, you need both doses for the greatest and longest lasting protection. All COVID-19 vaccines work very well to lower your risk of getting seriously ill from COVID-19. They also lower your risk of needing to be in the hospital.

At this time, there is not enough information to know how long protection lasts or if you will need booster doses. It is still important to practice the recommended public health measures to prevent the spread of COVID-19, even if you have had the vaccine. Please visit ahs.ca/covid for the most up to date recommendations.

Which COVID-19 vaccine will I get?

You will get an mRNA vaccine for your first dose unless you are unable to receive or do not want an mRNA vaccine.

I got an mRNA vaccine as my first dose. Can I get a different mRNA vaccine for my second dose?

Usually you get the same vaccine for your first and second dose. But you can get a different mRNA vaccine for your second dose if your first-dose vaccine is not available or you prefer a different available mRNA vaccine. Both Pfizer-BioNTech and Moderna COVID-19 vaccines work in the same way.

Whichever vaccine you get for your second dose completes your immunization series and protects you against COVID-19.

Go to ahs.ca/seconddose for more information.

What if I got the AstraZeneca/COVISHIELD vaccine as my first dose?

If you got the AstraZeneca/COVISHIELD vaccine for your first dose, you can choose the AstraZeneca/COVISHIELD vaccine or an mRNA vaccine for your second dose.

The AstraZeneca/COVISHIELD vaccine is a safe vaccine that works well to protect you against COVID-19. But some people may choose an mRNA vaccine to complete their COVID-19 immunization.

No matter which vaccine you choose, the second dose offers protection against COVID-19 and will complete your two-dose series.

Research is ongoing to find out how much protection you have when different types of COVID-19 vaccines are used to complete your immunization series.

Go to ahs.ca/seconddose for more information about getting an mRNA vaccine after an AstraZeneca/COVISHIELD vaccine.

Where can I get a COVID-19 vaccine?

Go to ahs.ca/covidvaccine to find out where and when you can get the COVID-19 vaccine.

Are there side effects from COVID-19 vaccines?

There can be side effects from COVID-19 vaccines, but they tend to be mild and go away in a few days. Side effects may include:

- redness, warmth, swelling, bruising, itching, or feeling sore where you had the needle
- feeling tired or unwell
- a headache
- a fever or chills
- body aches or sore joints
- feeling sick to your stomach (nausea), vomiting (throwing up), or loose stool (diarrhea)
- swollen lymph nodes
- cough

It is important to stay at the clinic for 15 minutes after your vaccine. Some people may have a rare but serious allergic reaction called anaphylaxis. If anaphylaxis happens, you will get medicine to treat the symptoms.

It is rare to have a serious side effect after a vaccine. Call Health Link at 811 to report any serious or unusual side effects.

Rare events after getting the AstraZeneca/COVISHIELD vaccine

There have been very rare reports of blood clots, low levels of platelets (these help your blood to clot), and bleeding after getting the AstraZeneca/COVISHIELD vaccine.

These events happened 4 to 28 days after getting the vaccine. The risk of these events after getting the AstraZeneca/COVISHIELD vaccine is about:

- 1 in 55,000 after the first dose
- 1 in 600,000 after the second dose

Research is still ongoing to find out more about the risk of these events after getting the AstraZeneca/COVISHIELD vaccine.

If you have any of the following symptoms within 42 days of being immunized, get medical help **right away**:

- trouble talking or moving a part of your body
- shortness of breath
- chest pain
- severe swelling, pain, or a colour change in your arm or leg
- stomach pain that does not go away
- a severe headache that does not go away
- blurry vision
- seizures

There have also been very rare reports of capillary leak syndrome (CLS) within the first few days after getting the AstraZeneca/COVISHIELD vaccine. In some reported cases, the person had a history of CLS. CLS is a serious condition that causes fluid to leak from the small blood vessels (capillaries). This causes sudden swelling of the arms and legs, sudden weight gain, and low blood pressure causing you to feel faint. CLS can be fatal. Get medical help right away if you have any of these symptoms.

Research is still ongoing to find out more about the risk of CLS after getting AstraZeneca/COVISHIELD vaccine.

Rare events after getting either the Pfizer-BioNTech or the Moderna vaccine

There have been very rare reports of myocarditis (inflammation of the heart muscle) and pericarditis (inflammation of the lining around the heart) within 7 days after getting either the Pfizer-BioNTech or the Moderna vaccine. This inflammation can cause shortness of breath, chest pain or pressure, or a very fast or abnormal heart rate. Get medical help right away if you have any of these symptoms.

These events were reported mostly after the second dose and in young adults and adolescents. Most cases were mild and got better with treatment. Research is still ongoing to find out more about the risk of these events after getting an mRNA COVID-19 vaccine.

Talk to your healthcare provider, if you have ever had myocarditis or pericarditis and have questions about getting a COVID-19 vaccine. At this time, there is not enough information to know if there is a higher risk of these events in these groups.

Your risk of serious illness from COVID-19 is much higher than it is for developing a rare event after getting this vaccine.

Go to COVID-19 vaccine – Frequently Asked Questions on ahs.ca/topics/Page17389.aspx for more information.

How can I manage side effects?

- To help with soreness and swelling, put a cool, wet cloth over the area where you had the needle.
- There is medicine to help with a fever or pain. Check with your doctor or pharmacist if you are not sure what medicine or dose to take. Follow the directions on the package.
- Children under the age of 18 years should **not** take aspirin because it can cause serious health problems.
- Some people with health problems, such as a weak immune system, must call their doctor if they get a fever. If you have been told to do this, call your doctor even if you think the fever is from the vaccine.

What if I had or am getting another type of vaccine?

Wait at least 14 days after you have a dose of the COVID-19 vaccine before you get another vaccine.

If you have had another vaccine, wait 14 days before you get a COVID-19 vaccine.

Who should not get a COVID-19 vaccine?

You may not be able to get a COVID-19 vaccine if you:

- have an allergy to any part of the vaccine
- had a severe (serious) or unusual side effect after this vaccine or one like it
- are under age 11 years
- have had another vaccine in the last 2 weeks

Check with your doctor or a public health nurse before you get the vaccine.

Be sure to talk to your doctor **before** you get a COVID-19 vaccine, if you:

- have a weak immune system (because of a medicine you take or a health problem)
- have an autoimmune disorder (like rheumatoid arthritis or lupus)
- have had a stem cell or organ transplant
- have a history of capillary leak syndrome (CLS)
- have a history of myocarditis or pericarditis after receiving a dose of COVID-19 vaccine

Always tell your healthcare provider if you have allergies or if you have had a side effect from a vaccine in the past.

For More Information



Call Health Link at 811



Go to [ImmunizeAlberta.ca](https://immunizealberta.ca)



Go to [MyHealth.Alberta.ca](https://myhealth.alberta.ca)



Go to ahs.ca/covidvaccine