

COVID-19 Vaccine: **Building Trust and Confidence**

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COVID-19

- A COVID-19 infection can cause damage to the lungs, heart or brain.
- Some people who have had a COVID-19 infection will have symptoms and experience long term effects months after the infection is gone.
- Long term effects may include persistent fatigue, shortness of breath, cough, joint pain, pounding heartbeat, trouble concentrating, skin rash or hair loss.



Vaccines Can Help

Vaccines used in Canada are safe and they work.



Vaccines help to protect us from serious illness





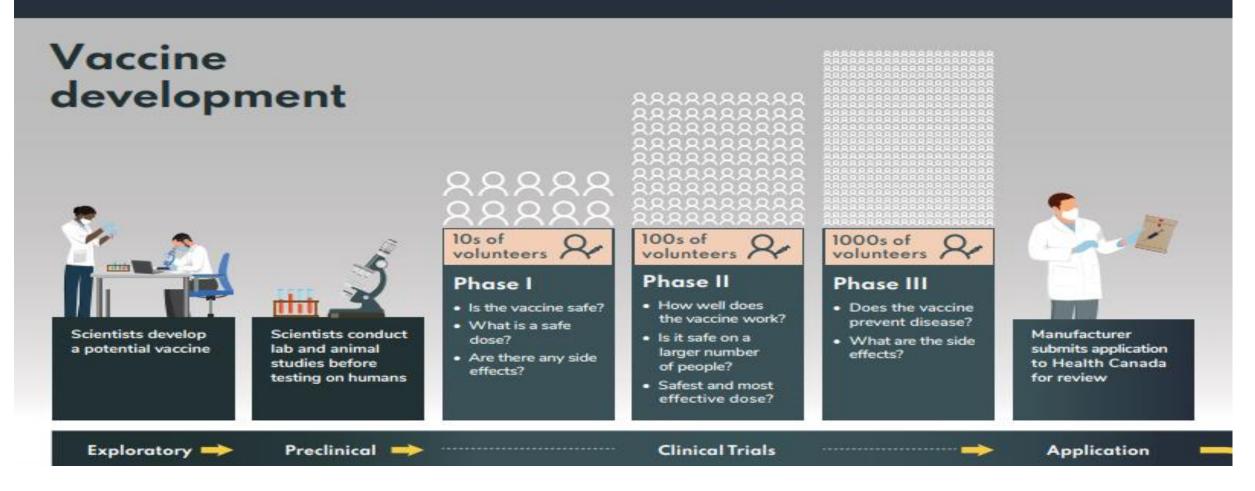
1.3 Billion Doses Given Worldwide

As of May 11, 2021:

- 1.3 billion doses of COVID-19 vaccines have been given in 174 countries around the world.
- 16.5 million doses have been given in Canada.
- 1.5 million doses have been given in Toronto, which is approximately 50% of all eligible residents in the City.



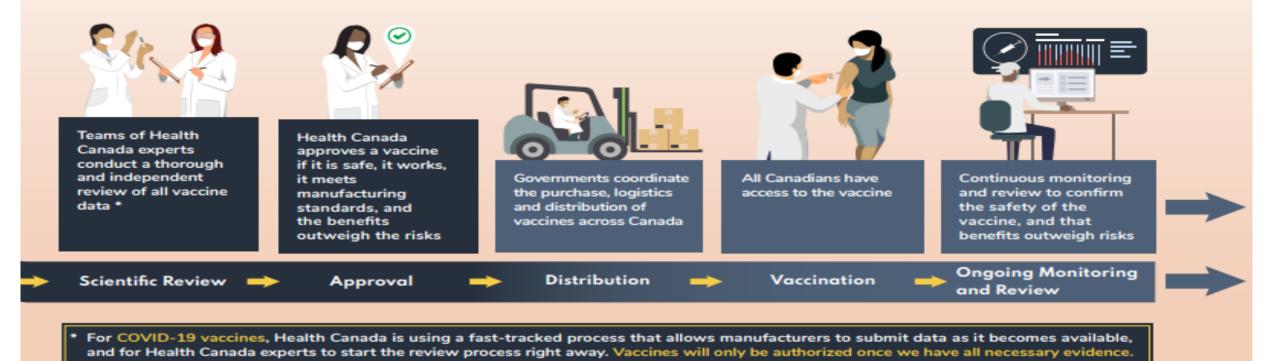
Vaccine development and approval in Canada



Source: Government of Canada. Vaccine development and approval in Canada. Dec 08 2020.



Review and approval of vaccines



Source: Government of Canada. Vaccine development and approval in Canada. Dec 08 2020.



4 Vaccines Approved In Canada







For 12-18 years & older, including seniors

Real world effectiveness

2 dose schedule, except for Janssen

Name	Technology	Available in Ontario	Dose schedule
Pfizer BioNTech	mRNA	12 years +	2 doses
Moderna	mRNA	18 years +	2 doses
AstraZeneca/ COVISHIELD	viral vector	1 st dose paused until further notice	2 doses
Janssen	viral vector	30 years +	1 dose



COVID-19 Vaccines

ARE THE COVID-19 VACCINES SAFE?









All vaccines approved by Health Canada have met safety & quality standards They have been tested in large trials to show they are safe & they work

Millions of doses of the vaccines have already been given around the world with good results

Most side effects are mild and go away after a few days

toronto.ca/COVID19

TORONTO Public Health

COVID-19 Vaccines Are Safe For ...



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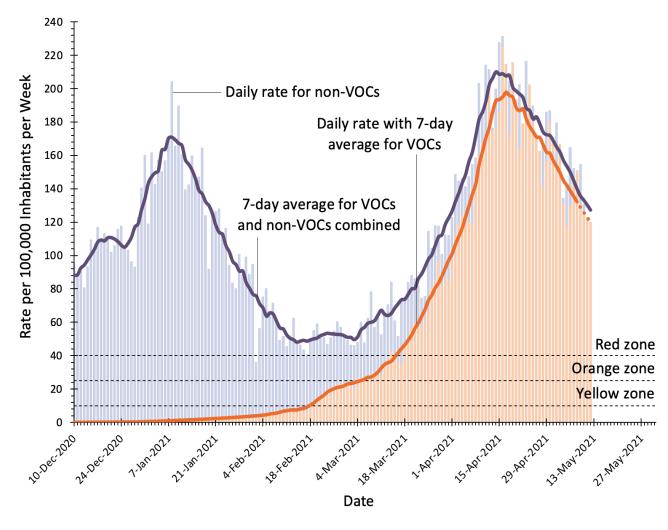


- People with health conditions such as heart disease, asthma, diabetes, high blood pressure, or on blood thinners, with hepatitis B, C or HIV.
- It is also safe for people with a weakened immune system, autoimmune disorder and anytime during pregnancy.



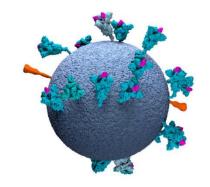
Variants of Concern (VOC)

- Different variants are now in Ontario and Toronto.
- They spread infection more easily and cause more serious disease
- Public health measures and vaccines work against variants



How the COVID-19 vaccines work...

The COVID-19 vaccines works by telling our body to make *"spike proteins"*, a protein specifically found on the surface of the coronavirus. These proteins will stimulate our body to start making antibodies against COVID-19.



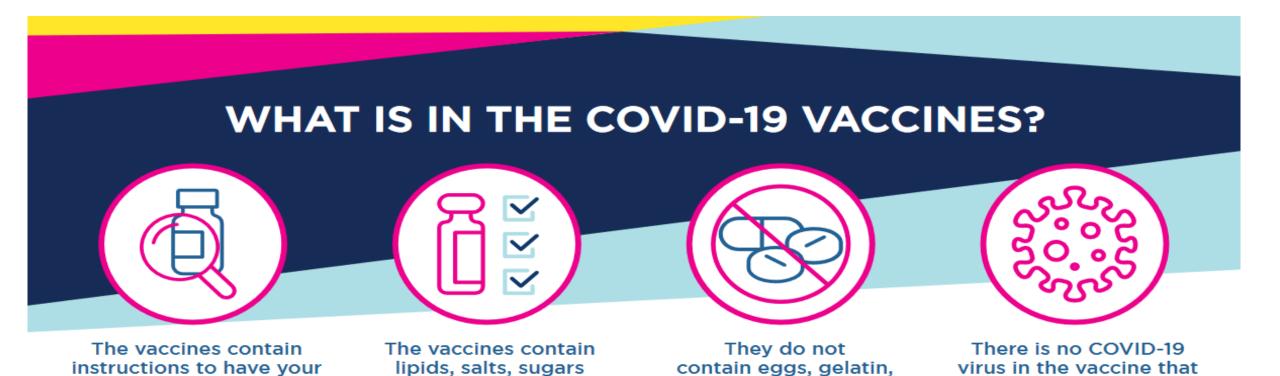
- Pfizer BioNTech and Moderna use mRNA technology.
 - mRNA research and technology has been around for over 10 years.
 - Breaks down and is removed from body in days
- AstraZeneca/COVISHIELD and Janssen (Johnson & Johnson) use a viral vector.
 - A cold virus that is inactivated (adenovirus), has instructions to make the spike protein in it.



What Is In The Vaccines?

preservatives, latex

or antibiotics



and buffers

toronto.ca/COVID19

body make antibodies

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can give you COVID-19

What If I Have Allergies?

Pfizer-BioNTech & Moderna: Polyethylene glycol, also found in:

- laxatives or products for colonoscopy, cough syrup, ultrasound gel
- cosmetics, skin creams,
- shampoos, toothpastes, hair products, contact lenses & solutions,
- some fast foods, baked goods

Moderna vaccine: **Tromethamine**, also found in:

contrast media for CT scans / MRI, some medications, skin creams

AstraZeneca/COVISHIELD & Janssen vaccines: Polysorbate 80, also found in:

- processed food, pickles, ice cream, whipped cream, gelatin, shortening, chewing gum,
- cosmetic, soaps, creams, body butter, bath gels, shampoo, mouthwash,
- eye drops, vitamin supplements, heart medication, contraceptives



Will The Vaccine Make Me Sick?





Blood Clots and Low Blood Platelet Count

- There have been reports of this rare event after receiving either the AstraZeneca (1/50,000) or Johnson & Johnson vaccine (1/500,000)
- First dose vaccination has been paused as of May 11, 2021.
- Blood clots can occur in the brain, arms/legs or abdomen
- With proper medical care, can be treated
- Watch for any side effects following vaccination on days 4 to 28. Call 911 if you have:
 - Trouble breathing, chest pain, leg or abdominal pain that does not go away
 - Sudden severe headache, blurred vision, skin bruising or spots



Vaccines, Pregnancy & Breastfeeding

GET THE COVID-19 VACCINE IF YOU ARE PREGNANT







COVID-19 vaccines can protect you from serious illness



Antibodies can transfer to the baby, protecting them as well



COVID-19 vaccines are safe in pregnancy & are being used around the world



Talk to your health care provider if you have questions

Vaccines and Children

- Pfizer vaccine approved for use in children 12+ in Canada on May 5, 2021.
- Vaccination of children aged 12-17 is planned to begin the week of May 31st - more details to come!
- Vaccination is not mandatory.
- The best way to protect children is:
 - to keep following public health guidelines, and
 - for adults to be vaccinated as soon as they can

I Already Had COVID-19...

Do I need the vaccine, if I already had COVID-19?

A: Yes. Based on the latest scientific evidence, natural immunity from COVID-19 may not last long. It is possible to get re-infected after a previous COVID-19 infection.

Learn more: toronto.ca/COVID19







Phase 2 of Vaccine Rollout

Eligibility group	Week of April 26	Week of May 3	Week of May 10	Week of May 17	Week of May 24	Week of May 31
Provincial age band	April 30: 55 and older	50 and older	40 and older	30 and older	18 and older	12 to 17
Hotspot age band	April 27: 45 and older	18 and older	-	-	-	-
Health conditions	<u>Highest-risk health</u> <u>conditions</u> continues	<u>High-risk health</u> <u>conditions</u>	At-risk health conditions	-	-	-
Cannot work from home	April 29: licensed childcare workers	Group 1	Group 2	-	-	-

Source: https://covid-19.ontario.ca/ontarios-covid-19-vaccination-plan



Pfizer/BioNTech Vaccine in Highest Supply for May/June in Ontario

- Ontario is expecting an average of 800,000 Pfizer doses per week for the month of May. Also some Moderna.
- 140,000,000 doses of Pfizer vaccine administered in the USA so far. No safety signals.
- Works well, even with variants.
- Current vaccine being offered at the City of Toronto's mass immunization clinics, and most other clinics.

Elementary and Secondary Education Worker Eligibility

- Elementary and secondary school education workers are eligible to receive a COVID-19 vaccine, regardless of where they live or work.
- Proof of employment is required (e.g. employer letter, paystub).
- Education workers may include teachers, administrative staff, caretakers and bus drivers.

Can book on-line through the provincial booking site.



Second Dose Extended But Still Necessary

WHY IS THE 2ND VACCINE DOSE EXTENDED TO 4 MONTHS?







Extending the 2nd dose allows us to vaccinate more people



Vaccinating more people will reduce the spread of COVID-19



Vaccines can provide protection against COVID-19 variants

toronto.ca/COVID19



Protection is 80% after 1 dose of mRNA vaccine and 90% after the 2nd dose.

Ref – CDC: https://www.cdc.gov/mmwr/volumes/70/wr/mm7013e3.htm?s_cid=mm7013e3



Community Immunity





Herd immunity protects our community from infection when many people are vaccinated.



It is another way to protect others by reducing COVID-19 spread.



It also protects people who can't get vaccinated like newborn babies.

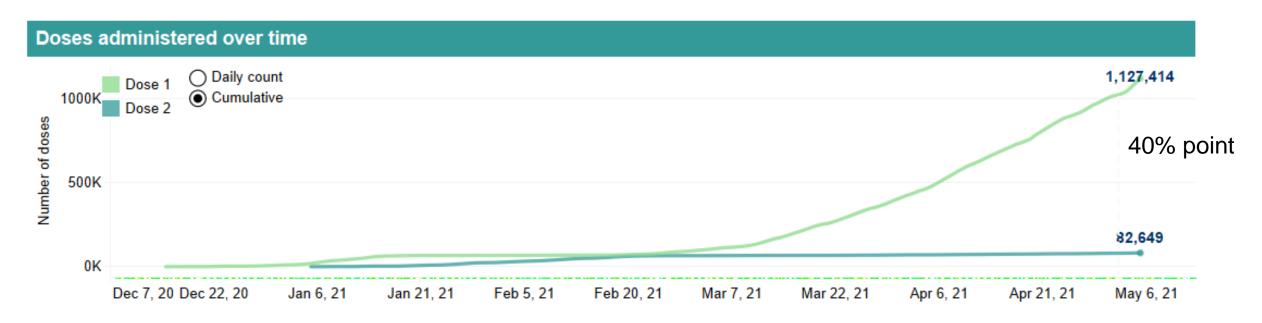


Until we have herd immunity, we need to wear our mask & keep a distance from people we don't live with.



Goal of 40% of Toronto Residents 18+ Reached Ahead of Schedule.

Goal to vaccinate 40% of adult residents was achieved on May 1st



At the current rates of vaccination, we are on track to exceed the 65% goal by end of May



Ways To Get Vaccinated

Red & white or no health card?
Register using telephone #

City clinics https://covid-

19.ontario.ca/book-

vaccine/

Or call: 1-888-999-6488

(TTY 1-866-797-0007)

Hospital clinics

www.vaccineto.ca

Or call: 1-888-385-

1910

Visit https://covid-19.ontario.ca/book-vaccine/ to find a **pharmacy**Or call your local pharmacy / website

Mobile & pop-up clinics

Host organizations will promote clinics directly to the target community









Interactive map available online:

toronto.ca/covid19vaccinemap

Assistance Getting To Vaccine Clinics

- For those with no other means to get to their vaccination appointment
 - 1. Toronto Ride 416-481-5250; www.torontoride.ca
 - 2. iRide 1-844-474-3301; www.circleofcare.com/vaccinerides;
 - 3. Scarborough Ride 416 736-9372; www.schcontario.ca/schc-scarborough-ride--transportation--hemodialysis.html
 - 4. Uber Canada
 - 5. TTC

Vouchers distributed through a network of partner community agencies

More information: https://www.toronto.ca/home/covid-19/covid-19-protect-yourself-others/covid-19-vaccines/covid-19-how-to-get-vaccinated/?accordion=transportation-to-clinics



RESIDENTS WITHOUT OHIP CARDS



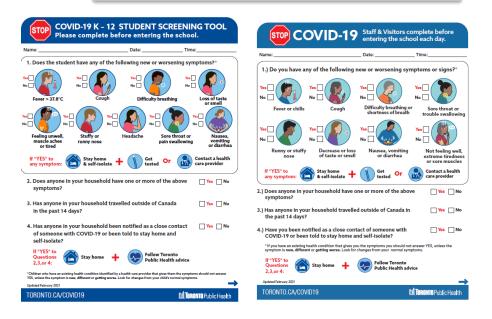
Residents without an OHIP card may use other forms of identification to book a COVID-19 vaccination appointment through agency partners.



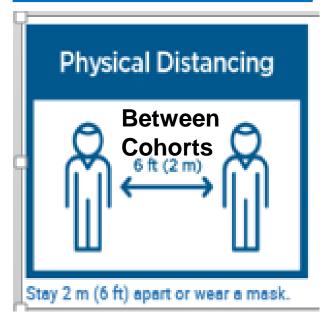


Public Health Measures in Schools — Vaccines are an additional measure to prevent the spread of COVID-19

Screening – staff, students, visitors



Keeping students in cohorts



Ventilation in classrooms

Student/Staff/Visitor Face Mask Use



HAND HYGIENE



Cleaning and Disinfection

Frequent cleaning of surfaces



Don't Spread Misinformation

DON'T PLAY

THE TELEPHONE GAME

STOP THE SPREAD OF COVID-19 MISINFORMATION



More Than A Disease



You Are Not Alone

You are not alone. Support is available.

Call 211 if you are having a hard time. Through 211 anyone be connected to free mental health supports, including including kids, seniors, racialized, Indigenous, Black and LGBTQ2S communities.

Language interpretation is available if you don't speak English.



Be Part Of Something Greater

Be part of something greater. Your shot protects others too!



Protected together.



Toronto Public Health COVID-19 Hotline

Have questions?

Call Toronto Public Health

416-338-7600

8:30 am to 8:00 pm

Interpreter service is available in many languages.

TTY 416-392-0658

More information about COVID-19 & vaccines: toronto.ca/covid19



Questions?





Supplemental Slides

Mental Health Support

Mental Health Support during COVID-19

It's okay not to feel okay. Many people may feel sad, worried, scared, confused or angry during COVID-19. These are normal and common responses to unexpected or stressful situations.



Stay connected. Play a virtual game, check in on a neighbour, have a video conference.



Be active & take care of yourself. Excercise, eat well, get enough sleep.



Take time to engage virtually or by phone with friends, family or loved ones.



Learn something new. Try a new hobby or take an online course.



Help someone else. Doing good can feel good.



Reach out for help. Talk to someone you trust or seek professional support.

How vaccines were developed so fast?

- Scientists & researchers around the world sharing data
- Building on existing research & technology
- Large scale funding allowed for multiple testing and large clinical trials
- Over 280 vaccine products were tested
- All vaccines approved by Health Canada still had to meet all safety, efficacy and quality standards

Vaccine ingredients

Pfizer-BioNTech	Moderna	AstraZeneca / COVISHIELD	Janssen
active ingredient: mRNA	active ingredient: mRNA	 active ingredient: ChAdOx1-S recombinant 	 active ingredient: Ad26.COV2.S recombinant
lipids, cholesterolpolyethylene glycol [PEG-2000]	lipids, cholesterolpolyethylene glycol [PEG-2000]	 amino acid: L-Histidine, L-Histidine hydrochloride monohydrate emulsifier: polysorbate 80 	 emulsifier: 2- hydroxypropyl-β- cyclodextrin, polysorbate- 80
 salts: potassium chloride, monobasic potassium phosphate, sodium chloride, dibasic sodium phosphate dehydrate sugars: sucrose 	 salts: acetic acid, sodium acetate, sugars: sucrose buffers: tromethamin, tromethamin hydrocholoride 	 salts: sodium chloride, disodium edetate dihydrate (EDTA), magnesium chloride hexahydrate sugars: sucrose alcohol: ethanol 	 buffers: citric acid monohydrate, hydrochloric acid, sodium hydroxide, trisodium citrate dehydrate salts: sodium chloride alcohol: ethanol



Mass immunization clinic locations



- North Toronto Memorial Community Centre (200 Eglinton Avenue West)
- Mitchell Field Community Centre (89 Church Avenue)
- The Hangar (75 Carl Hall Road)
- Metro Toronto Convention Centre (255 Front Street West)
- Scarborough Town Centre (300 Borough Drive)
- Carmine Stefano Community Centre (3100 Weston Road)
- Toronto Congress Centre (650 Dixon Road)
- Malvern Community Recreation Centre (30 Sewells Road)
- Cloverdale Mall (250 The East Mall)

Interactive map available online:

toronto.ca/covid19vaccinemap

TOGETHER, WE CAN GET OUT OF THE 3RD WAVE



Take care of your physical & mental wellbeing.



Stay home except for essential reasons & exercise.



Gather only with members of your household.



Keep your distance, wear your mask, wash your hands.



Get the COVID-19 vaccine when it is available to you.





What to expect after receiving your 1st dose of the COVID-19 vaccine





You may experience mild side effects that go away in 1-3 days



It takes 2 weeks after each dose for the vaccine to take effect



The clinic where you received your 1st dose will make your 2nd dose appointment



Keep your distance, wear a mask and wash your hands until more people are vaccinated



Need help getting to a city-run clinic for your vaccination appointment?



If you cannot drive yourself or take transit, ask family or friends



If ride sharing, sit in the back seat with the windows open & wear a mask



If you cannot access or afford transportation you may be eligible for supports



Plan ahead - find more information, maps and pictures of city-run clinics at toronto.ca/COVID19



ABOUT THE AstraZeneca/COVISHIELD VACCINE











Available to 40+ in Ontario at pharmacies and some primary care settings

Serious blood clots are rare - occurs in about 1/250,000 doses Benefits of vaccination to prevent serious illness can outweigh risks Seek medical attention if symptoms develop 4-16 days after vaccination

Speak to your health care provider if you have questions

