

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

Presented by: Dr. Vinita Dubey
Associate Medical Officer of Health

Moderators: Nicole Welch and Domenico Calla May 18, 2021

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 Make A Difference

Vaccines used in Canada are safe and they work.



Vaccines help to protect us from serious illness



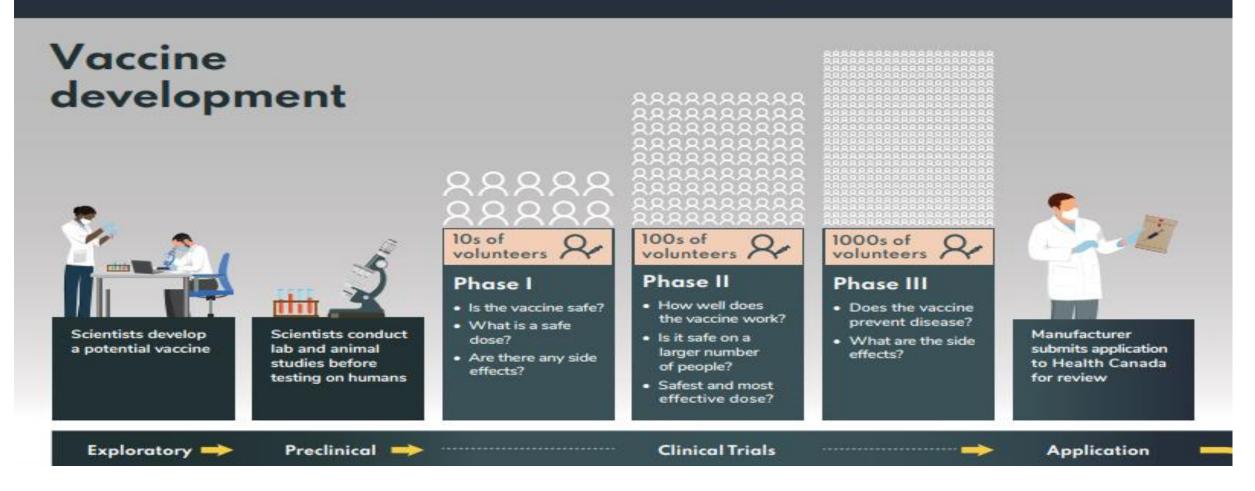
1.48 Billion Doses Given Worldwide

As of May 17, 2021:

- 1.48 billion doses of COVID-19 vaccines have been given in 174 countries around the world.
- 18.8 million doses have been given in Canada.
- 1.7 million doses have been given in Toronto, which is approximately 54% of all eligible adults in the City.



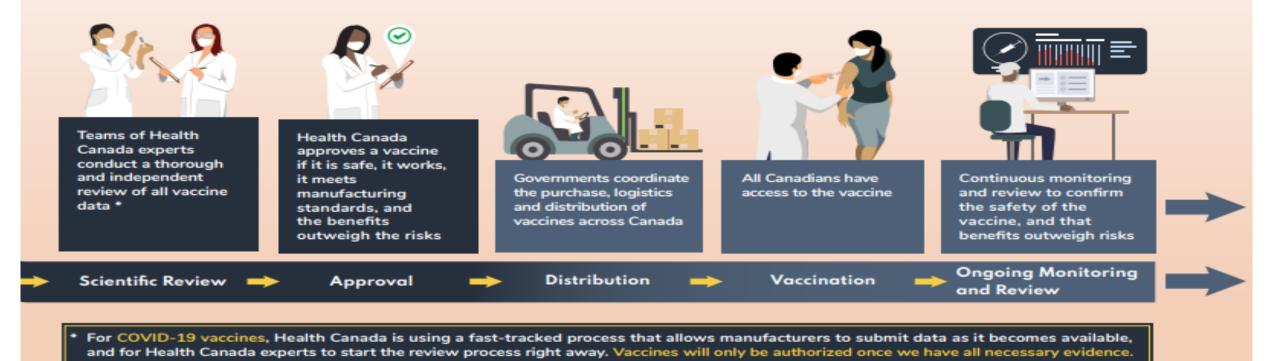
Vaccine development and approval in Canada



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.



ARE THE COVID-19 VACCINES SAFE?



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

All vaccines approved by

Health Canada have met

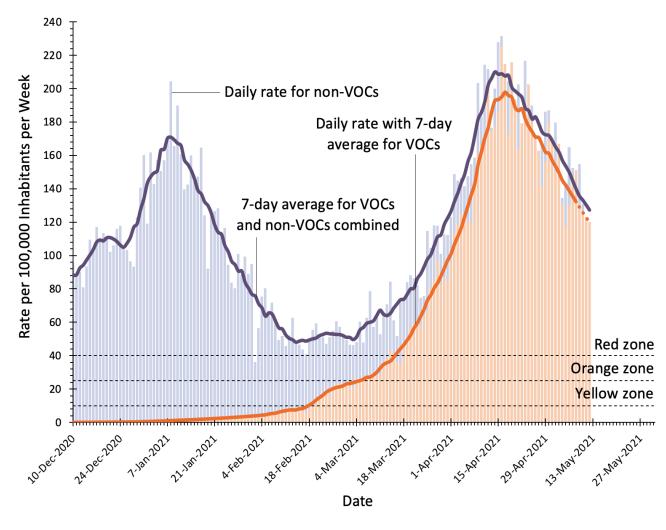
safety & quality standards

TORONTO Public Health



Variants of Concern (VOC)

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





Vaccines and the Variants

VACCINES OFFER PROTECTION AGAINST NEW VARIANTS









Vaccines have been used successfully in countries with variants

Vaccines can provide protection even when viruses change

Protection offered by vaccines is important as variants can spread more easily

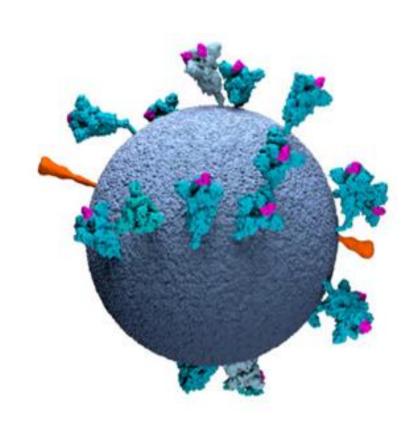
Booster doses may be used in the future for specific variants

toronto.ca/COVID19

TORONTO Public Health

How the COVID-19 Vaccines Work

- COVID-19 vaccines work by teaching your immune system to recognize the spike proteins on the surface of the coronavirus.
- After vaccination, your immune system will be able to recognize the real virus and make antibodies to fight the infection.
- It takes at least two weeks after each vaccine dose to build protection.





What Is In The Vaccines?

preservatives, latex

or antibiotics



and buffers

toronto.ca/COVID19

body make antibodies

TORONTO Public Health

can give you COVID-19



Will The Vaccine Make Me Sick?



ORONTO Public Health



What If I Have Allergies?

Pfizer-BioNTech & Moderna Polyethylene glycol (PEG), 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 and baked goods

Moderna

Tromethamine, also found in:

Contrast media used in CT scans/MRIs, some medications, skin creams

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





COVID-19 Vaccination and Children

- Health Canada approved the Pfizer-BioNTech vaccine for children 12+ on May 5, 2021.
- 3 million doses given to 12 to 17 years old in USA
- Vaccination of children aged 12+ and 16+, in some Toronto neighbourhoods, has started this week!
- COVID-19 vaccination is not mandatory
- The best way to protect children is:
 - to keep following public health guidelines
 - for adults to be vaccinated as soon as they are eligible



Provincial Vaccine Rollout Plan — Phase 2

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	Highest-risk health conditions 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

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.
- Education workers may include teachers, administrative staff, caretakers and bus drivers.
- Can book on-line through the provincial booking site.



Pfizer & Moderna 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.
- Very similar vaccines not much difference between them.
- Both work well, even with variants.
- 147 million doses of Pfizer; 117 million doses of Moderna administered in the USA so far. No safety signals.
- These vaccines being offered at the City of Toronto's immunization clinics and most other clinics.



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.

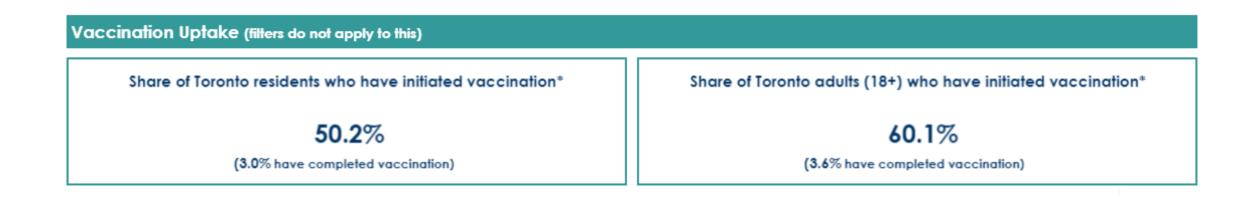


Until we have herd immunity, we need to wear our mask & keep a distance from people we don't live with.



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

Data source: IntelliHealth and COVaxON. As of May 16, 2021



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



Vaccinated? What Next ...

Vaccinated Against COVID-19? Here's what happens next



More people getting vaccinated means fewer people getting sick. When you get your shot, you make it safer in your community so that certain measures can be lifted and we can gather safely.



Cases are high and vaccine coverage is low.

Continue following local public health advice and maintain individual protective measures whether or not you have been vaccinated to keep yourself, your family, and your community safe.

More people need to be vaccinated before restrictions can be lifted.

Reach out to help friends, family or neighbours who might need help booking or getting to a vaccination appointment.

stay home • stay safe • get vaccinated



Cases are low and vaccine coverage is high for one dose and increasing for second.

JE 75% of those eligible for vaccines have one dose and 20% have a second dose.

THEN restrictions start to lift based on conditions in your area, but you still need to follow local public health advice and keep up with individual measures like physical distancing and wearing a mask.

You can look forward to small, outdoor gatherings with family and friends.

You should still avoid crowds.

camping • hiking • picnics • patios



Cases are low and two dose vaccine coverage is high.

IE 75% of those eligible for vaccines have received a full COVID-19 vaccination series.

THEN local public health will be able to lift more measures and you should be able to do more activities indoors with people outside your household.

However, COVID-19 will not be eliminated so you will still need to follow some public health measures.

colleges • indoor sports • family gatherings

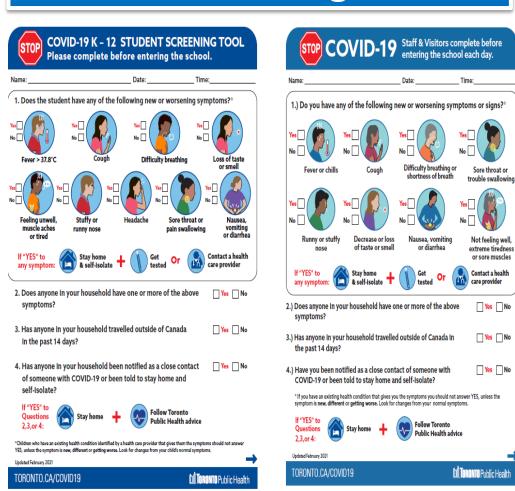
For more information visit: canada.ca/covid-vaccine

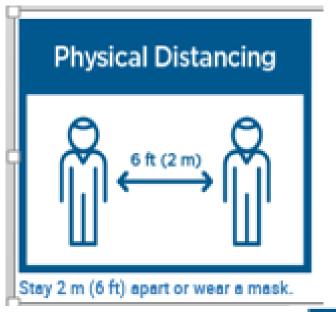


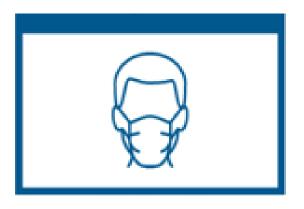


Public Health Measures in Education Settings

Screening







Student Cohorts

Frequent cleaning and disinfection 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.



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.





Booking Vaccination Without OHIP

FCJ Refugee Centre

416-469-9754 ext. 230 or 232; WhatsApp: 437-217-3786

Access Alliance

Telephone: 416-760-8677

Toronto Public Health Hotline

Telephone: 416-338-7600; TTY: 416-392-0658

Phone interpretation services available



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

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



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

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



ABOUT THE AstraZeneca/COVISHIELD VACCINE

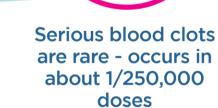


Available to 40+ in

Ontario at pharmacies

and some primary care

settings





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





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