

COVID-19:Update for TDSB Trustee Meeting

February 9, 2021



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Agenda

- COVID-19 data
- Variants of Concern and Schools
- Public health measures to keep schools safe
- Testing recommendations
- COVID-19 vaccine

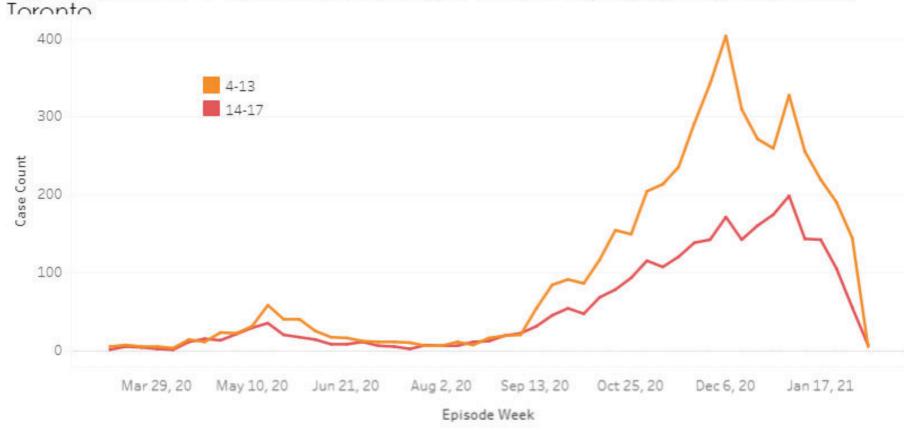
School Data

Active	Cumulative	Total Case
Outbreaks	Outbreaks	Counts
In Schools	In schools	In Schools
1	176	1162

- Average Cases per outbreak=6
- Average Outbreak duration= 21.8 days
- For number of cases in schools, please go to <u>the</u> <u>Ministry of Education</u> website
- For Toronto COVID Data, see the TPH website:
 Status of Cases in Toronto

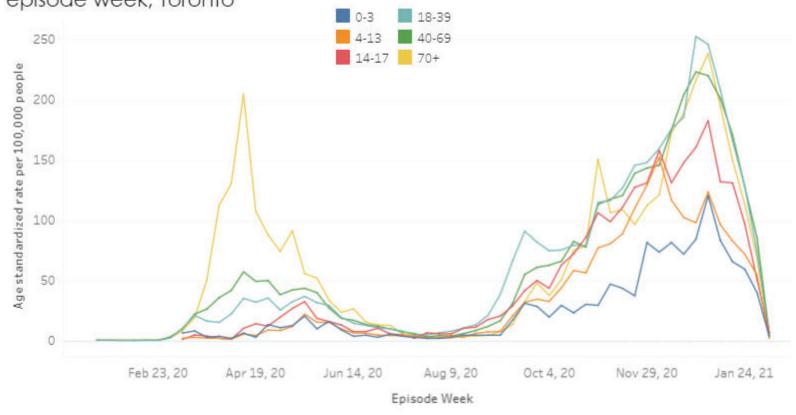
Toronto Data- as of Feb 8th, 2021

Figure 2. COVID-19 cases in school-aged children by age group and week,



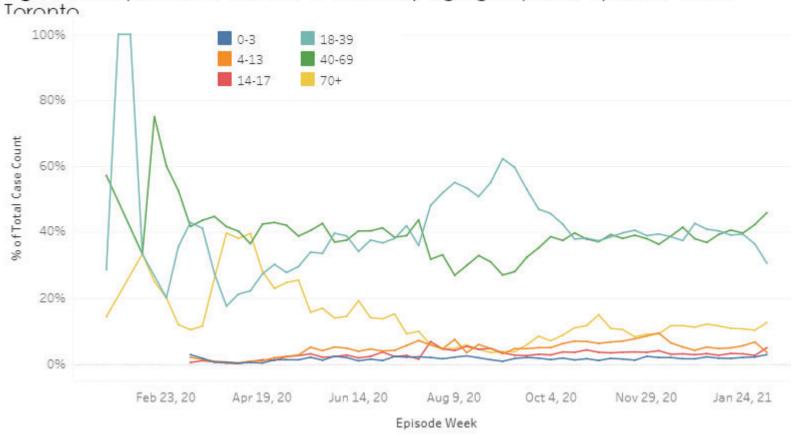
Toronto Data- as of Feb 8th, 2021

Figure 3. Case rate of COVID-19 per 100,000 population by age group and episode week, Toronto



Toronto Data- as of Feb 8th, 2021

Figure 4. Proportion of COVID-19 cases by age group and episode week,



COVID-19 (SARS-CoV-2) Variants

SARS-CoV-2 Variants

About Variants

New variants of SARS-CoV-2 or COVID-19 have been reported in the news in recent weeks.

- Viruses constantly change through mutations
- New variants of a virus are expected to occur over time.
- Sometimes new variants emerge and disappear, and sometimes they emerge and persist
- New variants may lead to either decreases or increases in severity of illness, frequency of death, and how easily the virus spreads.

COVID-19 Variants

SARS-CoV-2 Variants

UPDATE ON VARIANTS OF CONCERNS (VOC) See next slide

UK VOC 202012/01, B.1.1.7 with 7 amino acid substitutions

South Africa VOC 501Y.V2, B.1.351 IC-0433 with 7 amino acid substitutions

Isolate from travelers from Brazil, B.1.1.248
IC-0561 with 12 amino acid substitutions

There are potentials of other emerging variants

From: PHO

NOVEL (SARS-CoV-2) Variants

Concerns:

SARS-CoV-2 Variants

- 个 Transmissibility
- ↑ Disease severity
- ↑ Risk of re-infection (immune escape mutants)
- Vaccine efficacy (vaccine escape mutants)
- Uetection (diagnostic escape mutants)

Implications:

- 个Cases 个Hospitalizations 个Deaths
- Effectiveness of interventions directly (e.g., vaccine escape mutants) and indirectly (e.g. 个 transmissibility)
- Vaccination strategy?

Early evidence suggested higher transmissibility in children, that does not seem to be the case right now.



NOVEL (SARS-CoV-2) Variants - Update on COVID-19 Projections from Science Table

Key Findings of modelling by Science Table- related to schools

- The new variant of concern (UK variant) is spreading in Ontario and is a significant threat to control the pandemic.
- Modelling and international examples suggest that maintaining health interventions will support continued reductions in cases, even with a return to school.

SARS CoV-2 VOC

SARS-CoV-2 Variants

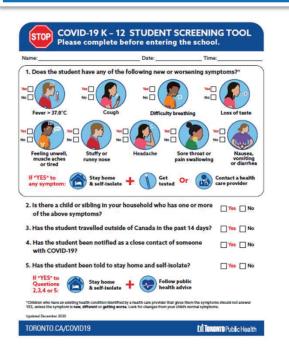
How to we help keep schools safe from COVID-19 Variants

- Continue and stay vigilant with public health and IPAC measures -screening, masking, hand hygiene, physical distancing of 6 feet two meters, ventilation and cleaning and disinfection.
- Continue to encourage all to stay home if they are sick and go for testing if they have COVID-19 symptoms.
- If a VOC is identified in a school, intensive case and contact management

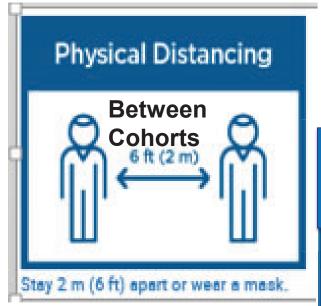


Public Health Measures in School

Screening — staff, students, visitors



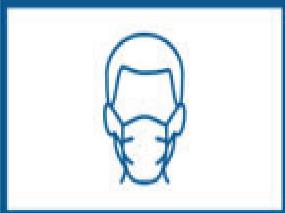
Cleaning and Disinfection
Frequent cleaning
of surfaces





Keeping students in cohorts

Student/Staff/Visitor Face Mask Use



Ventilation in classrooms

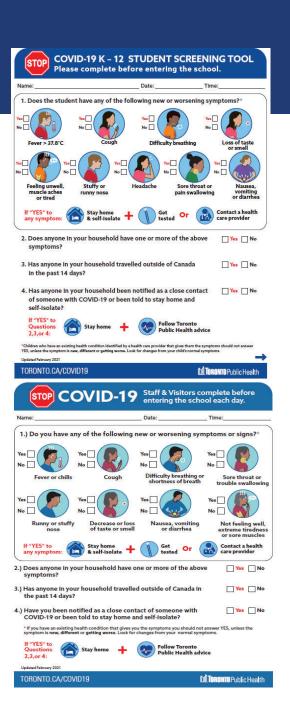


School Screening Tools



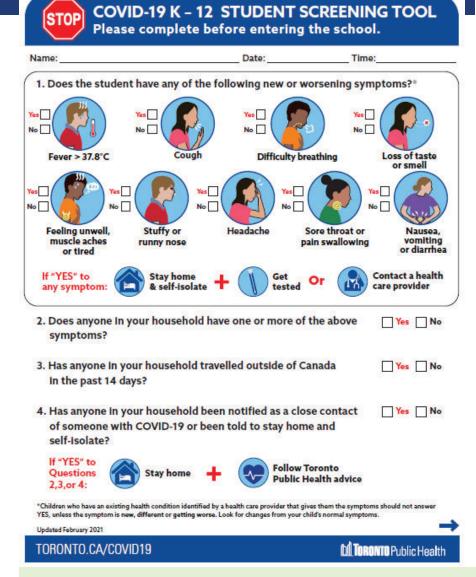
Screening tool changes for both Student and Staff/Visitor Screening

- Symptom list remains the same for students/staff
- In effect as of February 16th, 2021
- Will also be checked to ensure completed each day.



TORONTO Public Health

Student (JK-12) Screening Tool



MY CHILD HAS 1 OR MORE SYMPTOMS OF COVID-19. WHAT SHOULD I DO?

Was your child a close contact of someone who tested positive for COVID-19?

YE

NO

- Everyone in the household should stay home & self-isolate.
 Get your child tested.
- If positive, notify your child's school of the positive result.
 Toronto Public Health will follow up with further instructions.
- If negative, the child will still need to self-isolate for 14 days from last exposure to the person who was positive. Any children in the household should self-isolate from school until the person who is a close contact completes self-isolation.
- If your child is not tested they need to self-isolate for 10 days.
 Household contacts will also need to stay home and self-isolate for 14 days.
- · Notify your child's school that they have symptoms.
- · Your child should stay home, self-isolate & get tested.
- Anyone in the household who attends a school setting must also stay home and self-isolate until the child's test is negative.
- Adults in the home, including parents, who do not attend a school setting, need to self-monitor for symptoms, but may go to work as long as they do not have symptoms.

What was the result of your child's COVID-19 test?

POSITIVE

NEGATIVE

NOT TESTED

- Let your child's school know that they tested positive for COVID-19.
- Your child must stay home & self-isolate for 10 days from the day their symptoms started.
- Household members & close contacts must also self-isolate for at least 14 days.
- Toronto Public Health will contact you to do an investigation & will provide further instructions.
- Your child may return to school after it has been 24 hours since their symptoms started improving.
- Siblings can return to school right away as long as they do not have symptoms.
- Adults who attend the school setting can return to school right away as long as they do not have symptoms.
- Your child must stay home & selfisolate for 10 days from the day their symptoms started.
- After 10 days, they can go back to school if their symptoms are improving
- Anyone in the household who attends a school setting will stay home for 10 days.
- If a health care provider has diagnosed a condition that isn't related to COVID-19, your child can return to school 24 hours after their symptoms improve. Their siblings are then not required to self-isolate for 10 days.



If anyone in your household has travelled outside of Canada in the last 14 days, the person who travelled is required to self-isolate for 14 days. Everyone in the household will also need to stay home from school until the person who travelled completes the 14 day quarantine. If the individual is exempt from travel quarantine because they perform an essential job (e.g. truck driver, pilot), the rest of the household can still attend school.

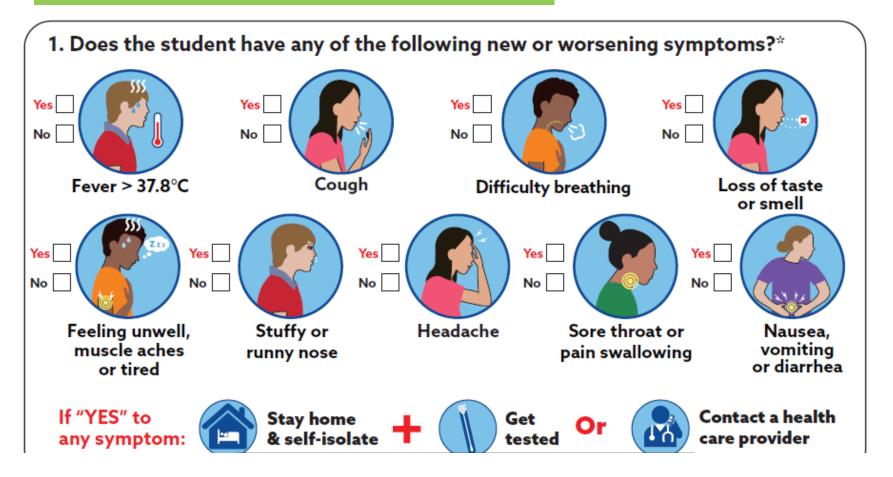
TORONTO.CA/COVID19

M Toronto Public Health

Link to student screening questionnaire and poster

Student (JK-12) Screening Tool

Symptoms remain the same





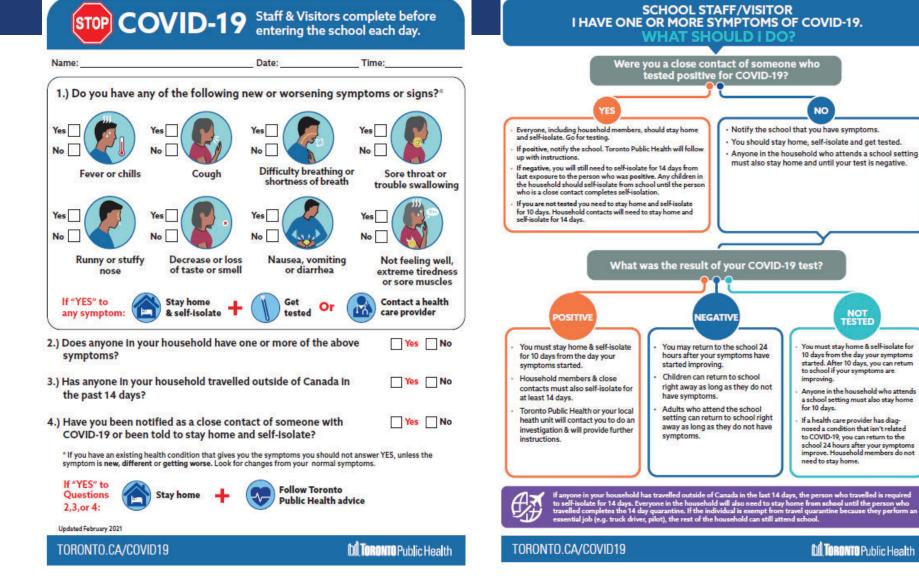
Student (JK-12) Screening Change highlighted in Yellow

2. Does anyone in your household have one or more of the above	Yes No
symptoms?	
3. Has anyone in your household travelled outside of Canada	Yes No
in the past 14 days?	
4. Has anyone in your household been notified as a close contact	Yes No
of someone with COVID-19 or been told to stay home and	
self-isolate?	
If "VEC" to	
If "YES" to Follow Toronto	
Questions 2 3 or 4: Stay home Public Health advice	
/ 5 Or 4'	

^{*}Children who have an existing health condition identified by a health care provider that gives them the symptoms should not answer YES, unless the symptom is new, different or getting worse. Look for changes from your child's normal symptoms.



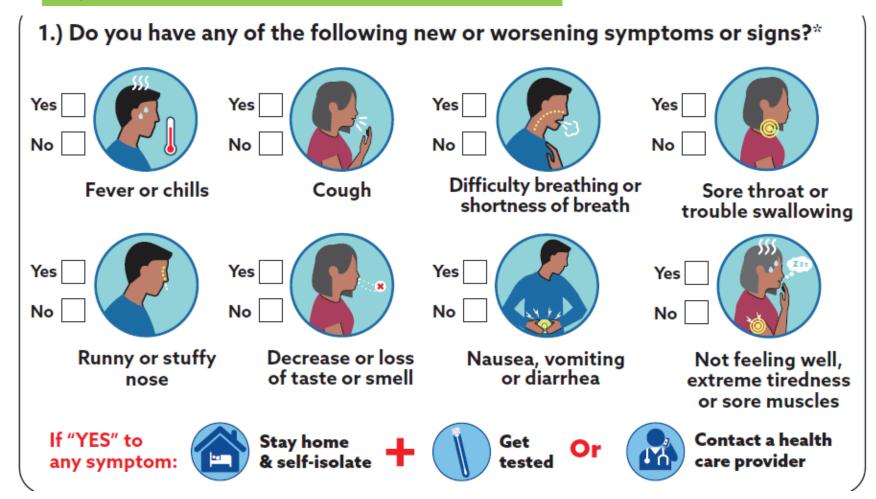
School Staff /Visitor Screening



Link to school staff/visitor screening questionnaire and poster

School Staff /Visitor Screening

Symptoms remain the same





School Staff/ Visitor Screening Change highlighted in yellow

2.) Does anyone in your household have one or more of the above symptoms?	Yes No
3.) Has anyone in your household travelled outside of Canada in the past 14 days?	Yes No
4.) Have you been notified as a close contact of someone with COVID-19 or been told to stay home and self-isolate?	Yes No

* If you have an existing health condition that gives you the symptoms you should not answer YES, unless the symptom is **new**, **different** or **getting worse**. Look for changes from your normal symptoms.

If "YES" to Questions 2,3,or 4:



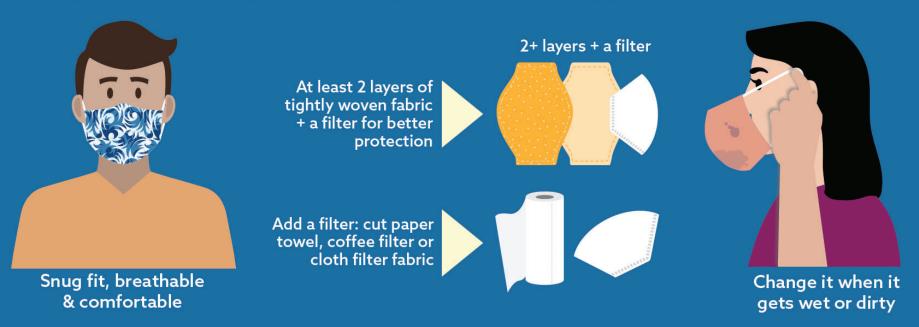
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Prevention Measures: Face Masks

THE BEST MASK IS THE ONE THAT FITS WELL



Always wear a mask indoors, and outdoors if you can't keep a physical distance.

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Stay-at-home except to attend school or work

- Students can attend school each day, but should not gather with others, even those in their cohort.
- Continue to support stay-at-home measures to keep schools as safe as possible.
- Stay at home except to attend school, exercise outdoors or for healthcare appointments.
- Limit contact outside of school to only the people you live with.

Testing in Schools

Testing is one tool to help monitor COVID-19 in the school setting and keep schools safe.

COVID-19 Testing in Schools — Fall/ Winter 2020

Two types of COVID-19 Testing strategies that took place in Toronto Schools in Fall/Winter 2020

- 1) Ministry of Education School Wide Testing
- 4 week pilot in schools identified in Peel, York, Ottawa and Toronto
- For schools in Toronto, TPH identified the school based on the following criteria: multiple cases of COVID-19 with an unknown source and unclear epidemiologic links and/or where multiple cohorts had been dismissed from the school.
- 2) Co-ordinated testing- TPH work with Ontario Health and testing partners to organize testing opportunities when a cohort is dismissed by TPH due to high risk exposure.



School Testing Update: MOE pilot

Phase 1: Schoolwide Testing Summary November 23rd to Dec 18th, 2021

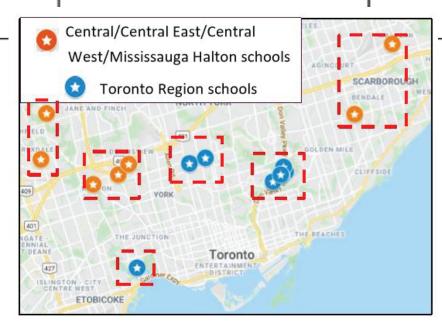
Total Schools recommended for testing as part of MEDU:

Total number of individuals recommended for expanded testing:

Total number of individuals tested:

18

9,998 students, 1095 staff 2878 students, 558 staff*

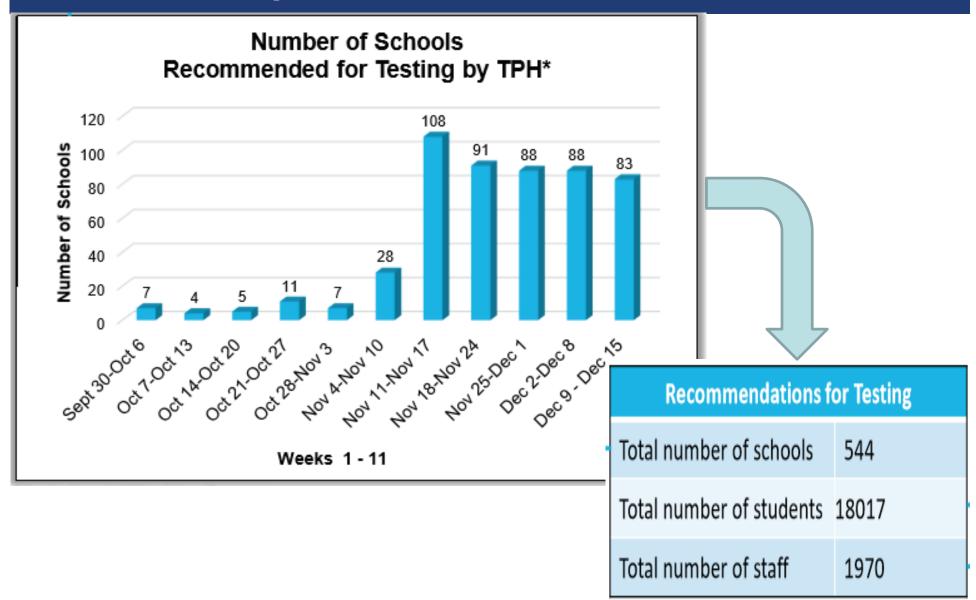


School Testing Update: MOE pilot analysis

- Average of 607 students per school (range 195 to 1,116) recommended for expanded testing.
- Testing uptake:
 - Students: median 31% (range 4.8 to 95.0%)
 - Staff: median 54%
- Overall positivity rate for students:
 - median 1.2% (range from 0 to 11%)
- Positivity rates varied across schools. Several schools had no positive student cases while others had higher positivity rates. School positivity rates tended to reflect community rates.



School Testing Update: Coordinated Testing Sept- Dec 2020



Testing recommendations

Symptomatic Testing

- Students and staff who have even one mild symptom of COVID-19
- Household members who have even one mild symptom



Toronto Public Health's Asymptomatic Targeted Testing Recommendations

Asymptomatic testing:

- TPH continues to recommend large amounts of asymptomatic testing related to schools.
- TPH collaborates with testing partners to coordinate testing for all high-risk cohorts.
- Over 550 cohorts were supported in the Fall using this testing program.



Toronto Public Health's Asymptomatic Targeted Testing Recommendations

COVID-19 testing in schools occurs following:

- Case and contact investigations (including dismissed cohorts)
- Outbreak management (including whole school testing when recommended).

Toronto Public Health's Asymptomatic Targeted Testing Recommendations

Expanded testing (whole school asymptomatic testing) may be recommended if:

- a) Case(s) in the school with unknown acquisition OR
- b) Multiple cohorts were dismissed OR
- c) Confirmed case identified with a variant of concern.

Learnings on testing in schools

- Low uptake of testing overall
- Take-home, mobile, on-site testing and reminders to parents and one to one consultation with families supports higher testing uptake.
- Less invasive testing options are preferred in school settings, such as saliva or oral/nose.

Areas to address for testing

- Reduce barriers to testing (location, time, stigma, type of test, increased access to income replacement, job security etc.)
- Better access to testing
- Testing access and turn around for symptomatic students (so public health can take timely action if positive, or they return to school quickly if negative)
- Communication to parents, staff and administrators to increase uptake

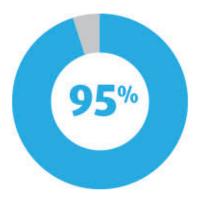
COVID-19 Vaccines



Approved by Health Canada



Met safety & quality standards



94-95% effective in large trials



2 dose schedule



Public Health COVID-19 Vaccines for use in Canada

Manufacturer	Pfizer	Moderna
Approved by Health Canada	9 Dec. 2020	23 Dec. 2020
Age Eligibility	16 years +	18 years +
2-Dose Schedule	21 days apart	28 days apart
Potential Allergens	Polyethylene glycol (PEG)	Polyethylene glycol Tromethamine



How the vaccine works...

 messenger RNA tells 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
- The mRNA breaks down and is removed from our body within days
- The vaccine does not contain the virus, so it cannot give us COVID-19

What is in the vaccine...

The vaccine is made up of:

- messenger RNA (mRNA)
- lipid molecules, including polyethylene glycol
- salts, sugars and buffers (tromethamine)

Both vaccines do not contain gelatin (pork), preservatives, formaldehyde, thimerosal, aluminum, latex, antibiotics, virus, animal or human cells.

Common Side Effects

As with any medication or vaccine, there may be some side effects:

- pain, redness & swelling at injection site
- headache, fatigue
- muscle ache, joint pain
- fever, chills, nausea, vomiting



less common is enlarged lymph nodes

The effects will last only a few days.





Ontario's Distribution Plan as of Feb 02

Phase 1 Dec 2020 to Mar 2021	Phase 2 Mar 2021 to July 2021	Phase 3 Aug 2021 onwards
 health care workers hospital employees residents and staff of LTCH, RH & congregate settings essential caregivers adults in Indigenous communities 344,615 doses administered 	 all health care workers residents in LTCHs, RHs, etc. home care patients shelters, community living Indigenous communities older adults, 80+ frontline essential workers 	all Ontarians

https://covid-19.ontario.ca/covid-19-vaccines-ontario

The race to save lives....

As of February 8, 2021:

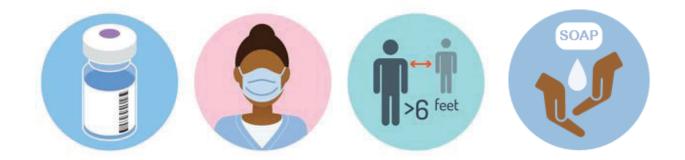
- 134 million doses of COVID-19 vaccine have been given in 64 countries.
- United States has given 32.8 million doses.
- Countries with the highest vaccination rates are Israel, United Arab Emirates, United Kingdom, Bahrain, United States, Italy & Germany

https://www.bloomberg.com/graphics/covid-vaccine-tracker-global-distribution/ https://ourworldindata.org/covid-vaccinations



Public Health Measures

Vaccines are one of many tools we have to fight the COVID-19 pandemic. It will take time before we have enough vaccine to get everyone vaccinated.



We still need to wear a mask, keep our distance and wash our hands frequently.

Taken from US CDC

Trusted Sources of Information

- Toronto Public Health
- Ontario Health
- Telehealth Ontario: 1-866-797-0000
- Government of Canada
- Your healthcare provider

If you have more questions:

Schools and parents/caregivers can also call us at 416-338-7600

Contact Toronto Public Health

8:30 a.m. – 8 p.m.

416-338-7600

TTY: 416-392-0658

Email: PublicHealth@toronto.ca



COVID-19 Guidance: Elementary & Secondary Schools

Last updated: November 4, 2020 at 5:55 p.m.

Сc

Toronto Public Health partnered with Maple Leaf Sports and Entertainment (MLSE) to raise awareness about ways we can reduce the spread of COVID-19. Find out what local athletes and coaches have to say about staying healthy in unprecedented times **, why we need to watch our distance ** and wearing your mask at school **.

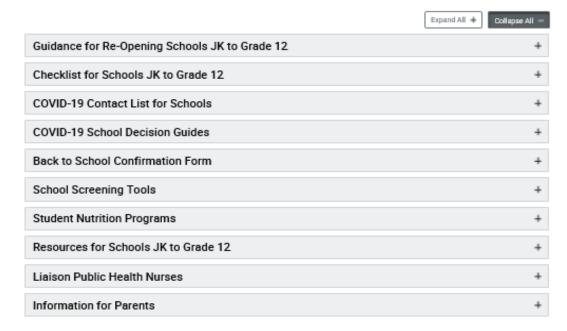
On June 19, the Government of Ontario released its safety plan for the resumption of class for the 2020-21 school year **, outlining scenarios for how students, teachers and staff can safely return to classrooms in September. On July 30, the Government of Ontario released further plans for the safe re-opening of schools in September **.

Download Toronto Public Health's Guldance for Reopening Schools 融 (JK to 12) (also available below and in French 融) and COVID-19 Prevention Checklist for Schools JK to Grade 12 融 (also available below and in French 融).

The Planning Guide for Schools in identifies issues and critical elements of emergency preparedness that organizations should consider in planning for a pandemic.

The Government of Ontario provides a daily update on COVID-19 cases reported in schools and child care centres if.

Also read Toronto Public Health's follow-up Instructions for school children, staff and visitors tested for COVID-19 (also available in French in).



We encourage schools to check <u>toronto.ca/COVID19SchoolInfo</u> as new information is posted regularly.

Thank You!

Thank you for working to keep our school communities safe!



Image from: freeimageslive.co.uk