

2021-2022 Community Influenza Surveillance Report Update of Current Status April 20th, 2022

Overall Assessment

The current level of influenza activity in London and Middlesex County has increased but remains low for this time of year. Other regions of Ontario continue to report localized or sporadic influenza activity, with an increased number of influenza A cases being identified. So far, there have been 313 confirmed influenza cases reported in Ontario (305 influenza A, eight influenza B).

Analysis and Action

Even though Ontario is well into this year's influenza season, we continue to encourage London and Middlesex County residents to get their seasonal influenza vaccine as soon as they can.

Regardless of the level of local influenza activity, there are a number of easy-to-follow steps residents can take to avoid becoming sick throughout the year. Washing your hands frequently with soap and warm water for 15-20 seconds or using a waterless hand sanitizer (with at least 70 percent alcohol content), remains an effective way to prevent many illnesses, including influenza. As the pandemic continues, local residents are also advised to continue following these COVID-19 prevention practices:

- Cough or sneeze into your elbow,
- Avoid touching your eyes, nose and mouth,
- Clean and disinfect high-touch surfaces, such as doorknobs, handrails, countertops, etc. frequently,
- Stay home when feeling sick, and
- Even with the lifting of Ontario's masking requirement, the Health Unit continues to recommend wearing a mask in enclosed public places where physical distancing cannot be maintained. Where possible, the Health Unit also recommends maintaining a physical distance of at least two metres (six feet) from people who are not part of your household.

Details of Current Local Activity

Between April 10th and April 16th, there were two laboratory-confirmed cases of influenza A and no cases of influenza B reported to the Middlesex-London Health Unit. This increases the total number of influenza A cases reported since surveillance began on August 29th, 2021 to sixteen.

Appendix A provides more detail about laboratory-based influenza activity indicators for the current reporting week, as well as other local indicators of respiratory illness.

Provincial and National Comparison

In this week's *Ontario Respiratory Pathogen Bulletin*, Public Health Ontario reports that influenza activity in health units across the province was similar to the previous week. In the most recent week, 72 confirmed cases of influenza A were reported in Ontario. This is higher than the number of cases reported across Ontario the previous week (67).

In this week's *FluWatch* and *Respiratory Virus Report*, the Public Health Agency of Canada reports activity for influenza A has increased in recent weeks and is nearing expected levels for this time of year.

- The latest *Ontario Respiratory Pathogen Bulletin*, issued by Public Health Ontario (PHO), is available at <https://www.publichealthontario.ca/en/data-and-analysis/commonly-used-products/respiratory-pathogens-weekly>
- The latest *FluWatch* report, issued by the Public Health Agency of Canada (PHAC), is available at <https://www.canada.ca/en/public-health/services/diseases/flu-influenza/influenza-surveillance/weekly-influenza-reports.html>
- The latest *Respiratory Virus Report* issued by the Public Health Agency of Canada (PHAC), is available at <https://www.canada.ca/en/public-health/services/surveillance/respiratory-virus-detections-canada.html>

Appendix A

Summary of Community Influenza Surveillance Indicators for Middlesex-London April 10th to April 16th, 2022

Table 1: Summary of laboratory-based influenza activity indicators, Middlesex-London and Ontario, 2021-2022 influenza surveillance season

Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Number Reported: <i>Year to Date</i> <i>(from August 29, 2021)</i>	Recent Trends
Laboratory-confirmed cases ^{1,4}	Apr. 10 – 16 (week 15) ²	Influenza A – 2 cases Influenza B – 0 cases	Influenza A – 16 cases Influenza B – 0 cases	Influenza A: Lower than the previous week (Apr. 3-9) when six cases were reported. Influenza B: Same as the previous week (Apr. 3-9) when no cases were reported.
Influenza sub-types ¹	Apr. 10 – 16	Influenza A (H3) – 1 case Influenza A not yet subtyped – 1 case	Influenza A (H3) – 5 cases Influenza A not yet subtyped – 11 cases	N/A
Hospitalizations ^{1,5}	Apr. 10 – 16	1	4	Lower than the previous week (Apr. 3-9) when 4 hospitalizations were reported.
Deaths ^{1,5}	Apr. 10 – 16	0	0	Same as the previous week (Apr. 3-9) when no deaths were reported.
Influenza outbreaks in long-term care homes/retirement homes/acute care	Apr. 10 – 16	Influenza A – 0 outbreaks Influenza B – 0 outbreaks	Influenza A – 0 outbreaks Influenza B – 0 outbreaks	No local institutional influenza outbreaks declared to date.
Percentage of samples that are positive for influenza (Ontario) ³	Apr. 3 – 9 (week 14) ²	Influenza A – 4.3% positivity Influenza B – 0% positivity	N/A	Influenza A: Similar to 4.1% positivity reported the previous week (Mar. 27 – Apr. 2). Influenza B: Same as 0% positivity reported the previous week (Mar. 27 – Apr. 2).

Notes:

1 Numbers are subject to change week by week due to the retrospective nature of reporting.

2 Weekly influenza monitoring often uses numbered weeks from 1 to 52 weeks per year. A reference week calendar can be found at <https://www.canada.ca/en/public-health/services/diseases/flu-influenza/influenza-surveillance/fluwatch-weeks-calendar.html>

3 Public Health Ontario, [Ontario Respiratory Pathogen Bulletin](#) 2021-2022. Numbers reported represent results submitted to CIRID from 17 participating labs in Ontario and does not include all testing laboratories, [ORPB Interactive Website Data Caveats and Glossary](#)

4 The week cases are reported to the Health Unit may not be the same as week of illness onset.

5 The week hospitalizations and deaths are reported to the Health Unit may not be the same as the week in which they occurred, or the same as the week of illness onset.

Table 2: Summary of community-based respiratory illness indicators, Middlesex-London, 2021-2022 influenza surveillance season

Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Recent Trends
Middlesex-London hospital emergency department visits - percentage of patients with respiratory or fever symptoms¹	Apr. 10 – 16	An average of 9.6% of patients presented with respiratory symptoms. An average of 3.8% of patients presented with influenza-like illness (fever) symptoms.	Slightly Higher than 8.6% reported the previous week (Apr. 3 – Apr. 9). Slightly Lower than 4.4% reported the previous week (Apr. 3 - Apr. 9).
Real-time Viral Respiratory Surveillance² - Middlesex-London	Apr. 10 – 16	Activity/Risk Level: Low or Green (No significant impacts).	Same level, Low (or Green) as reported the previous week (Apr. 3 – Apr. 9).

¹ [Acute Care Enhanced Surveillance](#) (ACES) Application is a real-time syndromic surveillance system. This source will be influenced by COVID-19 activity.

² [Viral Respiratory Mapper](#) uses data from ACES (above). Activity/Risk Levels range from Green, Yellow, Orange and Red.

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