

Appendix A

Summary of Community Influenza Surveillance Indicators for Middlesex-London March 17th to March 23rd, 2019

Table 1: Summary of laboratory-based influenza activity indicators, Middlesex-London and Ontario, 2018-2019 influenza surveillance season

Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Number Reported: <i>Year to Date (from September 1, 2018)</i>	Recent Trends
Laboratory-confirmed cases^{1, 4}	Mar. 17-23 (week 12) ²	Influenza A – 27 cases Influenza B – 0 cases	Influenza A – 409 cases Influenza B – 3 cases	Influenza A: Lower than the previous week (Mar. 10-16) when 40 cases were reported. Influenza B: Lower than the previous week (Mar. 10-16) when two cases were reported.
Influenza sub-types¹	Mar. 17-23	Influenza A (H3) – 4 cases Influenza A (H1N1)pdm09 – 0 cases Influenza A not yet subtyped – 23 cases Influenza B not yet subtyped – 0 cases	Influenza A (H3) – 27 cases Influenza A (H1N1)pdm09 – 53 cases Influenza A not yet subtyped – 329 cases Influenza B not yet subtyped – 3 cases	
Hospitalizations^{1, 5}	Mar. 17-23	16	207	Lower than the previous week (Mar. 10-16) when 18 hospitalizations were reported.
Deaths^{1, 5}	Mar. 17-23	3	17	Higher than the previous week (Mar. 10-16) when one death was reported.
Influenza outbreaks in long-term care homes/retirement homes/acute care	Mar. 17-23	Influenza A – 2 outbreaks Influenza B – 0 outbreaks	Influenza A – 29 outbreaks Influenza B – 0 outbreaks	Influenza A: Lower than the previous week (Mar. 10-16) when six outbreaks were reported. Influenza B: Same as the previous week (Mar. 10-16) when no outbreaks were reported.
Percentage of samples that are positive for influenza (Ontario)³	Mar. 10-16 (week 11) ²	Influenza A – 15.0% positivity Influenza B – 0.7% positivity	N/A	Influenza A: Similar to 15.3% positivity reported the previous week (Mar. 3-9). Influenza B: Similar to 0.6% positivity reported the previous week (Mar. 3-9).

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 2018-2019

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, 2018-2019 influenza surveillance season

Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Recent Trends
Hospital emergency room reports regarding the percentage of patients with fever and respiratory illness	Mar. 17-23	<p>An average of 7.3% of patients presented with fever and respiratory symptoms.</p> <p>The proportion was highest at the pediatric emergency department, where 18.3% of patients presented with a fever and respiratory symptoms.</p>	<p>Lower than 8.2% reported the previous week (Mar. 10-16).</p> <p>Lower than 24.9% reported the previous week (Mar. 10-16).</p>
Absence reports from elementary schools (i.e., absenteeism > 10%)	Mar. 18-22	Twenty-one elementary schools from one school board reported average absenteeism (due to all causes) exceeding 10%.	Recent trend information is not available due to March Break.

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- St. Joseph's Health Care London
- Thames Valley District School Board