

**Appendix A**  
**Summary of Community Influenza Surveillance Indicators for Middlesex-London**  
**December 16<sup>th</sup>, 2018 to January 5<sup>th</sup>, 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</i> <i>(from September 1, 2018)</i>	Recent Trends
<b>Laboratory-confirmed cases<sup>1,4</sup></b>	Dec. 16-22 (week 51) <sup>2</sup>	Influenza A – 9 cases Influenza B – 0 cases	Influenza A – 54 cases Influenza B – 0 cases	Influenza A: <b>Higher</b> in the most recent week compared to the previous week (Dec. 23-29) when 11 cases were reported.  Influenza B: <b>Same</b> in the most recent week compared to the previous week (Dec. 23-29) when no cases were reported.
	Dec. 23-29 (week 52) <sup>2</sup>	Influenza A – 11 cases Influenza B – 0 cases		
	Dec. 30-Jan. 5 (week 1) <sup>2</sup>	Influenza A – 24 cases Influenza B – 0 cases		
<b>Influenza sub-types<sup>1</sup></b>	Dec. 16-22	Influenza A (H1N1)pdm09 – 1 case Influenza A not yet subtyped – 8 cases	Influenza A (H3) – 2 cases Influenza A (H1N1)pdm09 – 9 cases  Influenza A not yet subtyped – 43 cases	
	Dec. 23-29	Influenza A (H1N1)pdm09 – 2 cases Influenza A not yet subtyped – 9 cases		
	Dec. 30-Jan. 5	Influenza A not yet subtyped – 24 cases		
<b>Hospitalizations<sup>1,5</sup></b>	Dec. 16-22	6	36	<b>Higher</b> in the most recent week compared to the previous week (Dec. 23-29) when eight hospitalizations were reported.
	Dec. 23-29	8		
	Dec. 30-Jan. 5	17		
<b>Deaths<sup>1,5</sup></b>	Dec. 16-22	0	0	<b>Same</b> in the most recent week compared to the previous week (Dec. 23-29) when no deaths were reported.
	Dec. 23-29	0		
	Dec. 30-Jan. 5	0		

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

<b>Influenza outbreaks in long-term care homes/retirement homes/acute care</b>	Dec. 16-22	Influenza A – 0 outbreaks Influenza B – 0 outbreaks	Influenza A – 1 outbreak Influenza B – 0 outbreaks	Influenza A: <b>Higher</b> in the most recent week compared to the previous week (Dec. 23-29) when no outbreaks were reported.  Influenza B: <b>Same</b> in the most recent week compared to the previous week (Dec. 23-29) when no outbreaks were reported.
	Dec. 23-29	Influenza A – 0 outbreaks Influenza B – 0 outbreaks		
	Dec. 30-Jan. 5	Influenza A – 1 outbreak Influenza B – 0 outbreaks		
<b>Percentage of samples that are positive for influenza (Ontario)<sup>3</sup></b>	Dec. 9-15 (week 50) <sup>2</sup>	Influenza A – 8.2% positivity Influenza B – 0.3% positivity	N/A	Influenza A: <b>Higher</b> in the most recent week compared to 12.8% positivity reported the previous week (Dec. 16-22).  Influenza B: <b>Lower</b> in the most recent week compared to 0.3% positivity reported the previous week (Dec. 16-22).
	Dec. 16-22 (week 51) <sup>2</sup>	Influenza A – 12.8% positivity Influenza B – 0.3% positivity		
	Dec. 23-29 (week 52) <sup>2</sup>	Influenza A – 16.2% positivity Influenza B – 0.1% positivity		

**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**

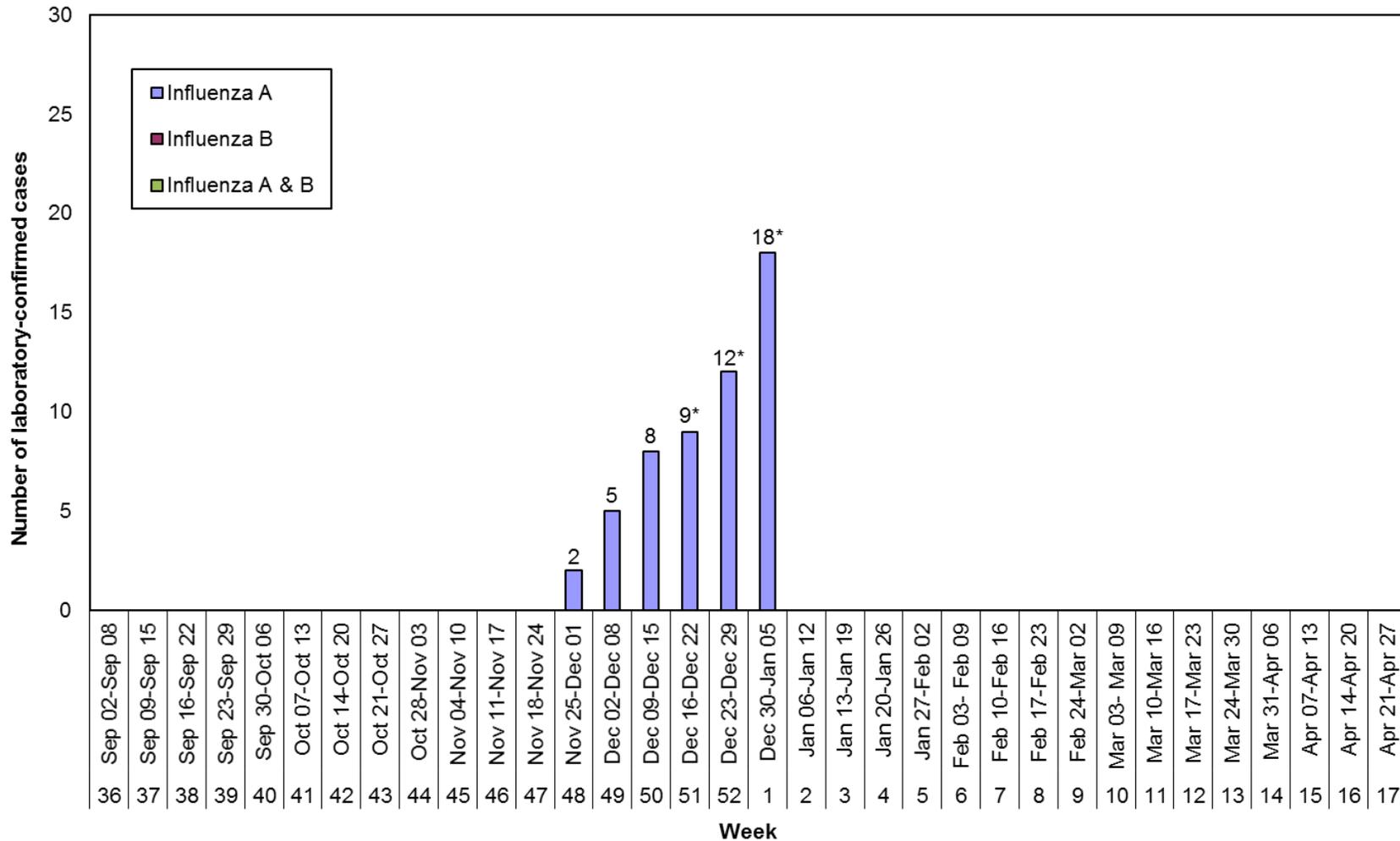
Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Recent Trends
<b>Hospital emergency room reports regarding the percentage of patients with fever and respiratory illness</b>	Dec. 16-22	All sites – An average of 10.7% of patients presented with fever and respiratory symptoms. Paediatric ED – An average of 32.0% of patients presented with fever and respiratory symptoms.	All sites: <b>Lower</b> in the most recent week compared to 13.7% reported the previous week (Dec. 23-29).  Paediatric ED: <b>Higher</b> in the most recent week compared to 38.6% reported the previous week (Dec. 23-29).
	Dec. 23-29	All sites – An average of 13.7% of patients presented with fever and respiratory symptoms. Paediatric ED – An average of 38.6% of patients presented with fever and respiratory symptoms.	
	Dec. 30-Jan. 5	All sites – An average of 13.0% of patients presented with fever and respiratory symptoms. Paediatric ED – An average of 39.6% of patients presented with fever and respiratory symptoms.	
<b>Absence reports from elementary schools (i.e., absenteeism &gt; 10%)</b>	Dec. 17-21	Thirty elementary schools from one school board reported average absenteeism (due to all causes) exceeding 10%.	Schools were closed from Dec. 24, 2018 to Jan. 4, 2019, therefore recent absenteeism results are not yet available.

The Middlesex-London Health Unit gratefully acknowledges the contributions of the following community partners who provide data for this report:

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

## Appendix B

### Laboratory-confirmed influenza cases, by influenza date† Middlesex-London 2018-2019 influenza season (N=54)



Source: Middlesex-London Health Unit internal influenza tracking database, extracted January 7, 2019.

† 'Influenza date' is the earliest of: symptom onset date, specimen collection date, and reported date. As a result, the weekly counts shown in this section differ from those provided in other sections of this report.

\* Counts may be incomplete and are subject to change due to the retrospective nature of reporting.