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## 2015-2016 Community Influenza Surveillance Report Update of Current Status June 7, 2016

### Final Report of the Season

This will be the final Community Influenza Surveillance Report of the 2015-2016 influenza season. Influenza activity has declined across the province. In Middlesex-London, influenza activity has also declined such that there were no new laboratory-confirmed influenza cases, hospitalizations, deaths, or outbreaks reported in the past reporting week. Influenza reporting will resume when local surveillance activities resume in the fall of 2016.

We wish to thank all those who provided data for this report which gave us a comprehensive picture of local influenza activity each week. Your contributions are greatly appreciated. As well, we wish our readers a happy and safe summer.

### Overall assessment

Influenza activity in Middlesex-London is low.

### Current Local Activity

From May 29<sup>th</sup> to June 4<sup>th</sup>, 2016, there were no laboratory-confirmed cases of influenza reported to the Middlesex-London Health Unit. Since September 1<sup>st</sup>, 2015, there has been a total of 489 laboratory-confirmed influenza cases (324 influenza A, 164 influenza B, one influenza A & B co-infection) reported in London and Middlesex County. No influenza outbreaks or deaths in people with laboratory confirmed influenza were reported this past week.

Appendix A provides more detail about laboratory-based influenza activity indicators, as well as other local indicators of respiratory illness. A graph showing all 489 laboratory-confirmed cases by week is provided in Appendix B, at the end of this report.

### Useful Websites

- The latest Ontario Respiratory Pathogen Bulletin (ORPB), issued by Public Health Ontario (PHO), is available at: <http://www.publichealthontario.ca/en/ServicesAndTools/SurveillanceServices/Pages/Ontario-Respiratory-Virus-Bulletin.aspx>
- The latest FluWatch report, issued by the Public Health Agency of Canada (PHAC), is available at: <http://healthycanadians.gc.ca/diseases-conditions-maladies-affections/disease-maladie/flu-grippe/surveillance/fluwatch-reports-rapports-surveillance-influenza-eng.php>
- To find a free flu shot clinic near you, visit the Ministry of Health and Long-Term Care's "Find a Flu Shot Clinic" web page at: <http://www.ontario.ca/page/get-flu-shot/>.

## Appendix A

### Summary of Community Influenza Surveillance Indicators for Middlesex-London June 7, 2016

**Table 1: Summary of laboratory-based influenza activity indicators, Middlesex-London and Ontario, 2015-2016 influenza surveillance season**

Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Number Reported: <i>Year to Date (from September 1, 2015)</i>	Recent Trends
<b>Laboratory-confirmed cases<sup>1</sup></b>	May 29-June 4	Influenza A – 0 case Influenza B – 0 cases Influenza A&B – 0 cases	Influenza A – 324 cases Influenza B – 164 cases Influenza A&B – 1 case	<b>Lower</b> compared to the previous week (May 22-28) when six cases of influenza were reported.
<b>Influenza sub-types<sup>1</sup></b>	May 29-June 4	<b>Subtyping</b> Influenza A(H3) – 0 cases Influenza A (H1N1)pdm09–0 cases Influenza A not subtyped–0 cases	Influenza A(H3)– 4 cases Influenza A(H1N1)pdm09– 75 cases Influenza A not subtyped– 244 cases Influenza A(H3) & A(H1N1)pdm09 co-infection– 1 case  <b>Strain typing</b> A/California/07/09-like– 4 cases Influenza B/Brisbane60/2008-like- 1 case A/Switzerland/9715293/2013-like 1	
<b>Hospitalizations<sup>1</sup></b>	May 29-June 4	0	196	<b>Lower</b> compared to the previous week (May 22-28) when four hospitalizations were reported.
<b>Deaths<sup>1</sup></b>	May 29-June 4	0	19	<b>Same</b> compared to the previous week (May 22-28) when there were no reports of deaths in people with laboratory-confirmed influenza.
<b>Influenza outbreaks in long-term care homes/retirement homes/acute care</b>	May 29-June 4	Influenza A – 0 outbreaks Influenza B – 0 outbreaks	Influenza A – 7 outbreaks Influenza B – 4 outbreaks	<b>Same</b> compared to the previous week (May 22-28) when no influenza outbreaks were declared.
<b>Percentage of samples that are positive for influenza (Ontario)<sup>2</sup></b>	May 15-21	Influenza A – 1.7% positivity  Influenza B – 8.5% positivity	N/A	Influenza A: <b>Lower</b> compared to 2.7% positivity reported the previous week (May 8-14).  Influenza B: <b>Higher</b> compared to 7.9% positivity reported the previous week (May 8-14).

**Notes:**

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

2 Public Health Ontario, Ontario Respiratory Pathogen Bulletin 2015-2016. Published every two weeks outside of influenza season.

**Table 2: Summary of community-based respiratory illness indicators, Middlesex-London, 2015-2016 influenza surveillance season**

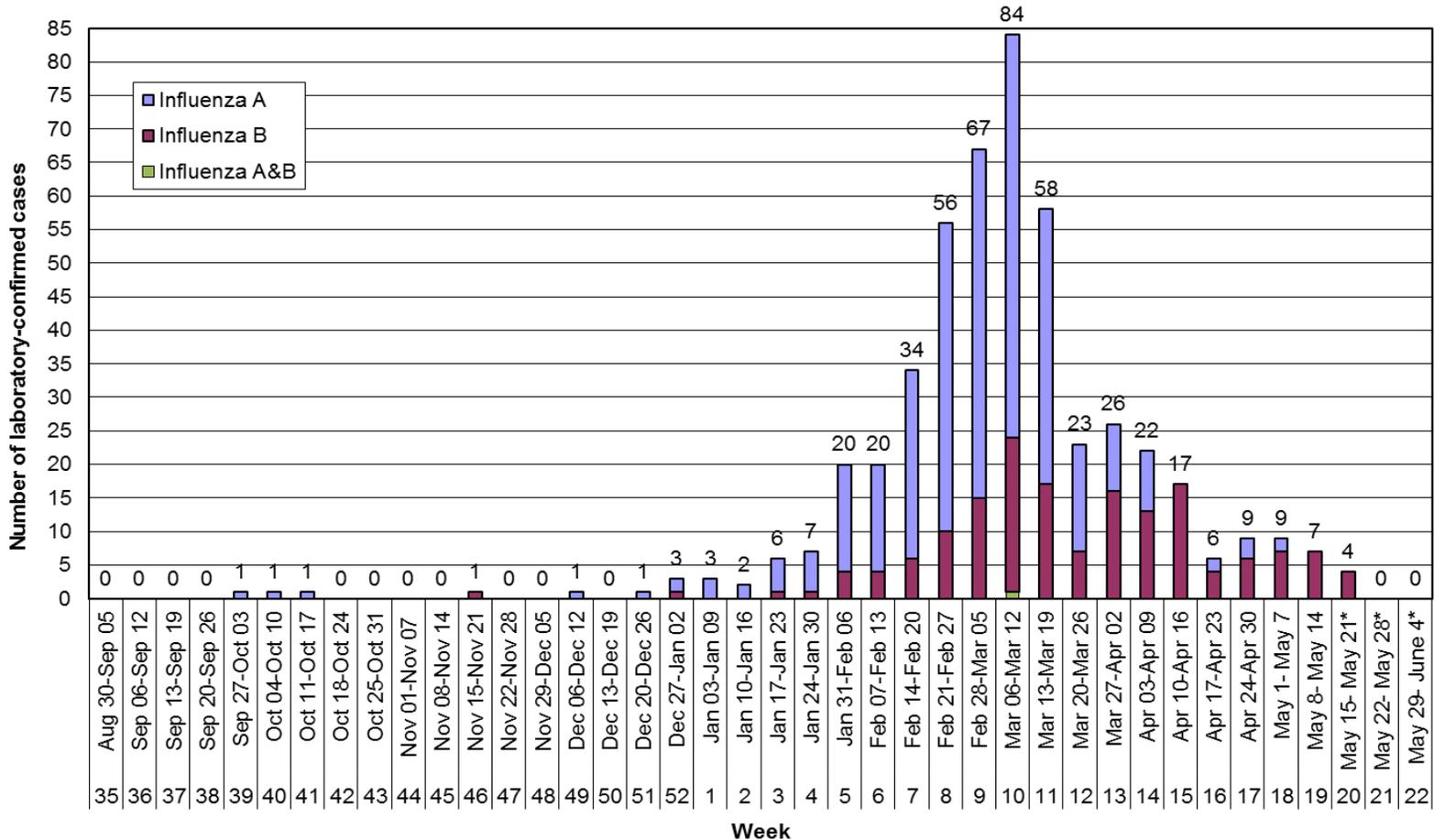
Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Recent Trends
<b>Hospital emergency department and urgent care centre reports regarding the percentage of patients with fever and respiratory illness</b>	May 29-June 4	An average of 4.1% of patients presented with fever and respiratory symptoms.  The proportion was highest at the paediatric emergency department, where an average of 11.4% of patients presented with a fever and respiratory symptoms.	<b>Lower</b> compared to 5.8% reported the previous week (May 22-28).  <b>Lower</b> compared to 14.0% reported the previous week (May 22-28).
<b>Absence reports from elementary schools (i.e., absenteeism &gt; 10%)</b>	May 30- June 3	Nine elementary schools from one school board reported average absenteeism due to all causes exceeding 10%.	<b>Lower</b> than the previous week (May 24-27), when 11 schools reported increased absenteeism.
<b>Sentinel x-ray provider – newly identified bronchopneumonia cases</b>	May 30-June 4	An average of 3.3% of chest x-rays performed were newly diagnosed bronchopneumonia cases.	<b>Lower</b> than the previous week (May 24-28), when 5.7% of chest x-rays were newly diagnosed bronchopneumonia cases.

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

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

## Appendix B

Laboratory-confirmed influenza cases, by influenza date†  
Middlesex-London 2015-2016 influenza season (N=489)



Source: Middlesex-London Health Unit internal influenza tracking database, extracted June 6, 2016.

† '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.