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## 2015-2016 Community Influenza Surveillance Report Update of Current Status May 31, 2016

### Overall assessment

Influenza activity in Middlesex-London is low.

### Current Local Activity

From May 22<sup>nd</sup> to 28<sup>th</sup>, 2016, there were six laboratory-confirmed cases of influenza B reported to the Middlesex-London Health Unit, of whom four were hospitalized. 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 details 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 May 31, 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 22-28	Influenza A – 0 case Influenza B – 6 cases Influenza A&B – 0 cases	Influenza A – 324 cases Influenza B – 164 cases Influenza A&B – 1 case	<b>Higher</b> compared to the previous week (May 15-21) when three cases of influenza were reported.
<b>Influenza sub-types<sup>1</sup></b>	May 22-28	<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 22-28	4	196	<b>Higher</b> compared to the previous week (May 15-21) when two hospitalizations were reported.
<b>Deaths<sup>1</sup></b>	May 22-28	0	19	<b>Lower</b> compared to the previous week (May 22-28) when one death in a person with laboratory-confirmed influenza was reported.
<b>Influenza outbreaks in long-term care homes/retirement homes/acute care</b>	May 22-28	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

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

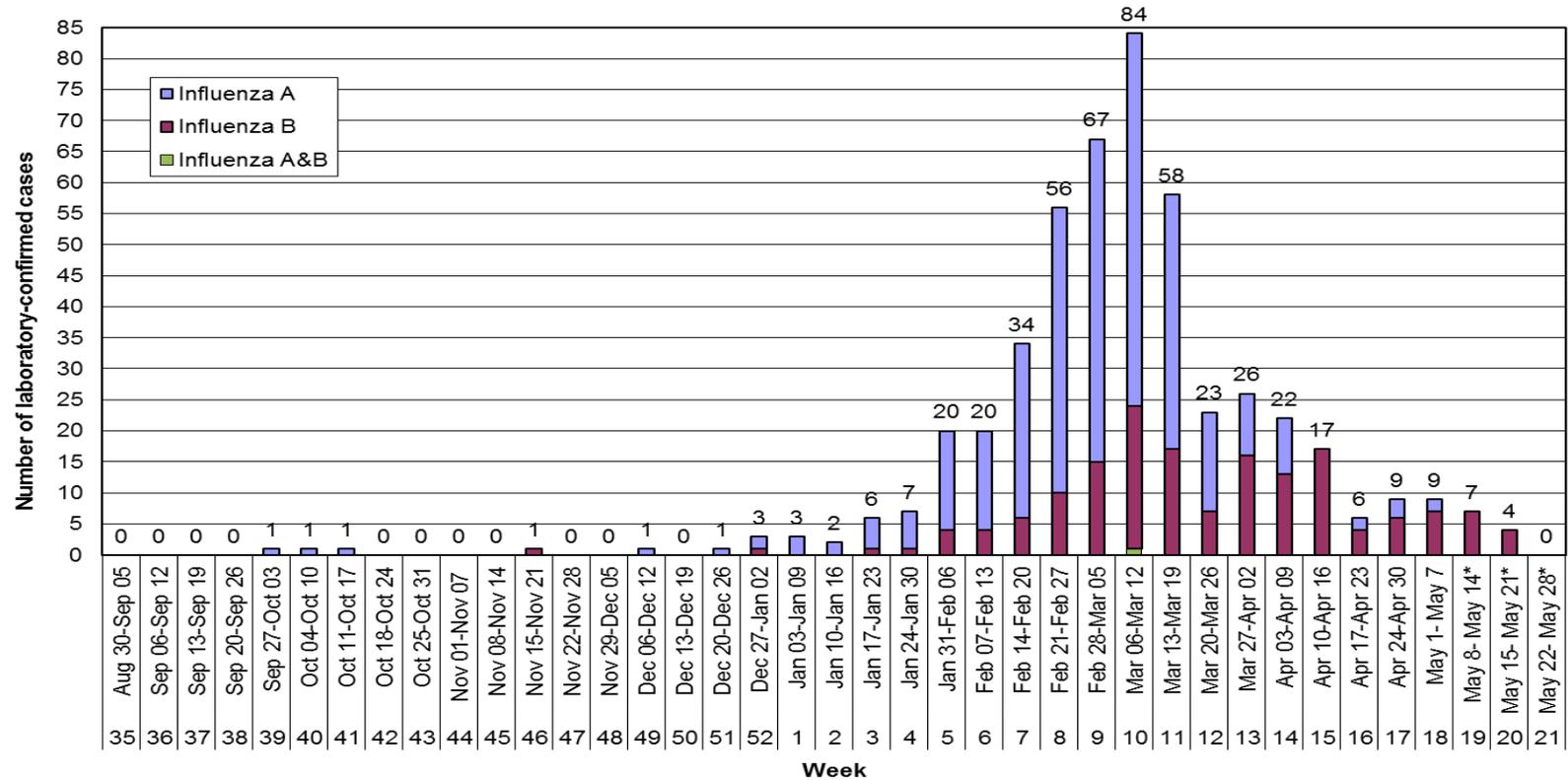
Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Recent Trends
<b>Hospital emergency department and urgent care centre reports regarding the percentage of patients with fever and respiratory illness</b>	May 22-28	An average of 5.8% of patients presented with fever and respiratory symptoms.  The proportion was highest at the paediatric emergency department, where an average of 14.0% of patients presented with a fever and respiratory symptoms.	<b>Similar</b> compared to 5.6% reported the previous week (May 15-21).  <b>Similar</b> compared to 14.3% reported the previous week (May 15-21).
<b>Absence reports from elementary schools (i.e., absenteeism &gt; 10%)</b>	May 24-27	Eleven elementary schools from one school board reported average absenteeism due to all causes exceeding 10%.	<b>Higher</b> than the previous week (May 16-20), when nine schools reported increased absenteeism.
<b>Sentinel x-ray provider – newly identified bronchopneumonia cases</b>	May 24-28	An average of 5.7% of chest x-rays performed were newly diagnosed bronchopneumonia cases.	<b>Higher</b> than the previous week (May 16-20), when 2.3% 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 May 30, 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.