
2015-2016 Community Influenza Surveillance Report Update of Current Status April 20, 2016

Overall assessment

Influenza activity in Middlesex-London is lower compared to the previous week.

Current Local Activity

From April 10th to 16th, 2016, there were 19 laboratory-confirmed cases of influenza (4 influenza A and 15 influenza B) reported to the Middlesex-London Health Unit, of whom 11 were hospitalized. Since September 1st, 2015, there has been a total of 445 laboratory-confirmed influenza cases (316 influenza A, 128 influenza B, one influenza A & B co-infection) reported in London and Middlesex County. The Health Unit was also advised of one death during this past reporting week in a person with laboratory-confirmed influenza. No influenza outbreaks were declared during this reporting period.

Appendix A provides more details about laboratory-based influenza activity indicators, as well as other local indicators of respiratory illness. A graph showing all 445 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 April 20, 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
Laboratory-confirmed cases¹	Apr. 10-16	Influenza A – 4 cases Influenza B – 15 cases Influenza A&B – 0 cases	Influenza A – 316 cases Influenza B – 128 cases Influenza A&B – 1 case	Lower compared to the previous week (Apr.3-9) when 21 cases of influenza were reported.
Influenza sub-types¹	Apr. 10-16	Subtyping Influenza A(H3) – 0 cases Influenza A (H1N1)pdm09–2 cases Influenza A not subtyped–2 cases Influenza B/Brisbane60/2008-like-1 case	Influenza A(H3)– 4 cases Influenza A(H1N1)pdm09– 75 cases Influenza A not subtyped– 236 cases Influenza A(H3) & A(H1N1)pdm09 co-infection– 1 case Strain typing A/California/07/09-like– 4 cases Influenza B/Brisbane60/2008-like- 1 case	
Hospitalizations¹	Apr. 10-16	11	168	Same compared to the previous week (Apr. 3-9) when 11 hospitalizations were reported.
Deaths¹	Apr. 10-16	1	18	Lower compared to the previous week (Apr. 3-9) when five deaths in people with laboratory-confirmed influenza 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 – 7 outbreaks Influenza B – 3 outbreaks	Same compared to the previous week (Apr. 3-9) when no influenza outbreaks were declared.
Percentage of samples that are positive for influenza (Ontario)²	Apr. 3-9	Influenza A – 10.6% positivity Influenza B – 9.0% positivity	N/A	Influenza A: Lower compared to 14.8% positivity reported the previous week (Mar. 27-Apr. 2). Influenza B: Similar compared to 8.9% 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 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

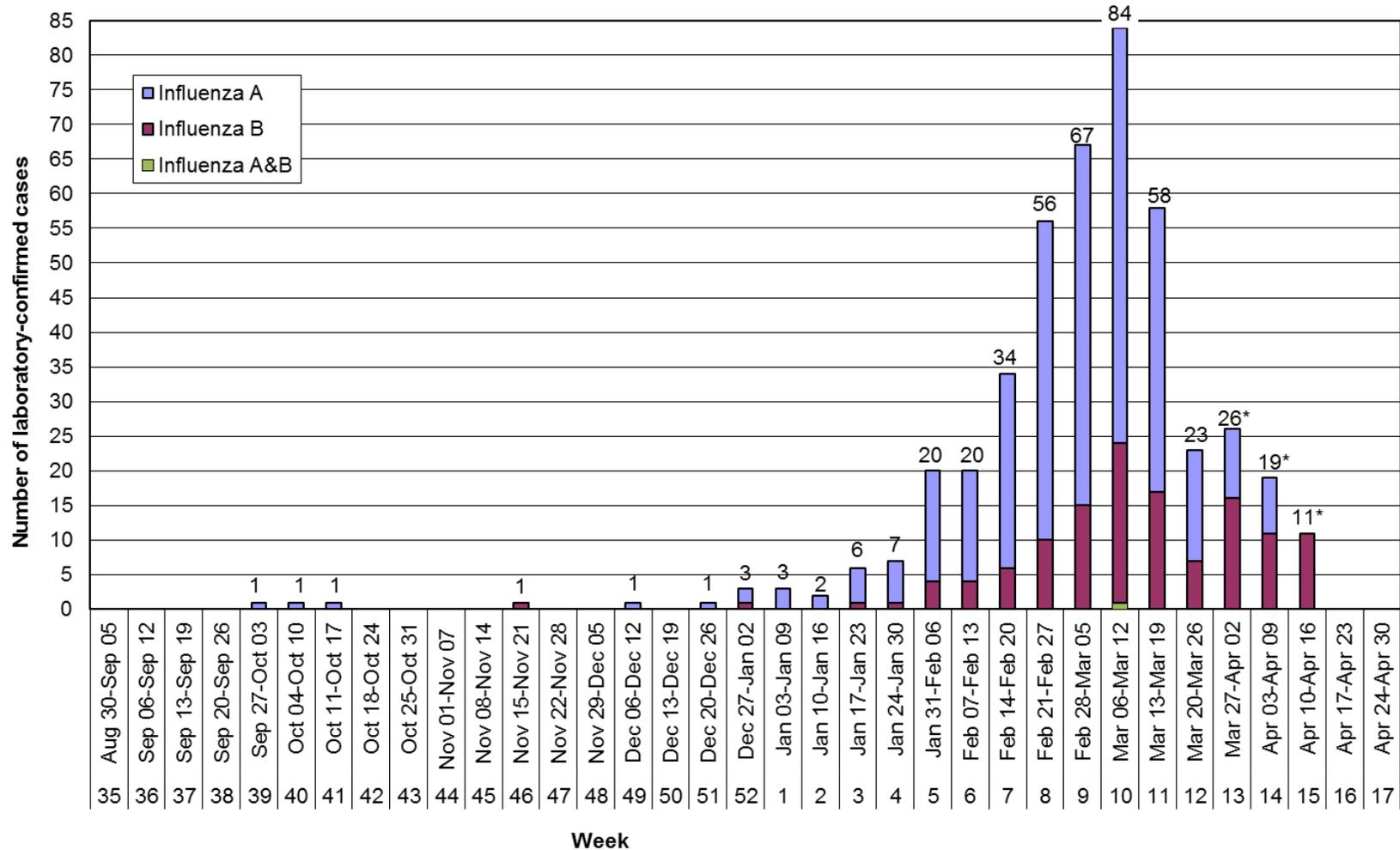
Indicator	Reporting Period	Number Reported: <i>Current Reporting Period</i>	Recent Trends
Hospital emergency department and urgent care centre reports regarding the percentage of patients with fever and respiratory illness	Apr. 10-16	<p>An average of 6.2% of patients presented with fever and respiratory symptoms.</p> <p>The proportion was highest at the paediatric emergency department, where an average of 15.5% of patients presented with a fever and respiratory symptoms.</p>	<p>Lower than 7.9% reported the previous week (Apr. 3-9).</p> <p>Lower than 18.4% reported the previous week (Apr. 3-9).</p>
Absence reports from elementary schools (i.e., absenteeism > 10%)	Apr. 11-15	12 elementary schools from one school board reported average absenteeism due to all causes exceeding 10%.	Lower than the previous week (Apr. 4-8), when 18 schools reported increased absenteeism.
Sentinel x-ray provider – newly identified bronchopneumonia cases	Apr. 11-16	An average of 3.1% of chest x-rays performed were newly diagnosed bronchopneumonia cases.	Lower compared to 3.9% reported the previous week (Apr. 4-9).

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=445)



Source: Middlesex-London Health Unit internal influenza tracking database, extracted April 19, 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.