
2014-2015 Community Influenza Surveillance Report Update of Current Status March 24, 2015

Overall assessment: Influenza activity in Middlesex-London is similar compared to the previous week.

Local Activity:

From March 15th to 21st, 2015, 10 laboratory-confirmed cases of influenza A and six laboratory-confirmed cases of influenza B were reported. Among these cases, there were six hospitalizations. There were no deaths among the cases reported last week; however, the Health Unit was notified of seven deaths which occurred in January and February among individuals who were previously identified as having laboratory-confirmed influenza.

Since September 1st, 2014, there has been a total of 314 confirmed influenza A cases and 19 influenza B cases reported, 130 of whom have been hospitalized, and 13 of whom have died.

There were two laboratory-confirmed influenza A outbreaks and one influenza B outbreak declared last week. Since September 1st, 2014, there have been 40 influenza outbreaks declared in Middlesex-London facilities.

Appendix A provides more details about laboratory-based influenza activity indicators, as well as other local indicators of respiratory illness. A graph showing all 333 laboratory-confirmed cases by week is provided in Appendix B, at the end of this report.

Useful Websites

- The latest Ontario Respiratory Virus Bulletin, 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://www.phac-aspc.gc.ca/fluwatch/>.
- 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: <https://www.ontario.ca/health-and-wellness/get-flu-shot/>.

Appendix A

Summary of Community Influenza Surveillance Indicators for Middlesex-London March 24, 2015

Table 1: Summary of laboratory-based influenza activity indicators, Middlesex-London and Ontario, 2014-2015 influenza surveillance season

Indicator	Current Reporting Period	Number/Percent Reported: <i>Current Reporting Period</i>	Number/Percent Reported: <i>Year to Date (from September 1, 2014)</i>	Comparison to Previous Week
Laboratory-confirmed cases¹	Mar. 15-21	Influenza A – 10 cases Influenza B – 6 cases	Influenza A – 314 cases Influenza B – 19 cases	Influenza A: Lower compared to the previous week (Mar. 8-14), when 12 cases were reported. Influenza B: Higher compared to the previous week (Mar. 8-14), when two cases were reported. Please note that the week in which cases are reported does not necessarily reflect the date of onset of illness.
Influenza sub-types¹	Mar. 15-21	Influenza A(H3) – 3 cases	Influenza A(H3) – 65 cases Not subtyped – 249 cases A/Switzerland/9715293/2013-like – 2 cases B/Massachusetts/02/12-like – 1 case	All influenza A strains subtyped to date have been influenza A (H3). Two samples have been typed as A/Switzerland/9715293/2013-like, which is not a component of the 2014-2015 seasonal influenza vaccine One sample has been typed as B/Massachusetts/02/12-like, which is a component of the 2014-2015 seasonal influenza vaccine.
Hospitalizations¹	Mar. 15-21	6	130	Same as the previous week (Mar. 8-14) when six hospitalizations were reported.
Deaths¹	Mar. 15-21	0	13	Same as the previous week (Mar. 1-7) when no deaths were reported among people with laboratory-confirmed influenza. Please note: The Health Unit was notified of seven deaths which occurred in January and February among individuals who had previously been identified as having influenza.
Influenza outbreaks in long-term care homes/retirement homes/acute care	Mar. 15-21	Influenza A – 2 outbreaks Influenza B – 1 outbreak Influenza A & B – 0 outbreaks	Influenza A – 37 outbreaks Influenza B – 1 outbreak Influenza A & B – 2 outbreaks	Higher compared to the previous week (Mar. 8-14) when no laboratory-confirmed influenza outbreaks were declared in facilities.
Percentage of samples that are positive for influenza (Ontario)²	Mar. 8-14	Influenza A – 11.2% positivity Influenza B – 5.3% positivity	N/A	Influenza A: Lower compared to 14.0% reported the previous week (March 1-7). Influenza B: Higher compared to 2.7% positivity reported the previous week (March 1-7).

Notes:

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

2 Public Health Ontario, Ontario Respiratory Virus Bulletin 2014-2015

Table 2: Summary of community-based respiratory illness indicators, Middlesex-London, 2014-2015 influenza surveillance season

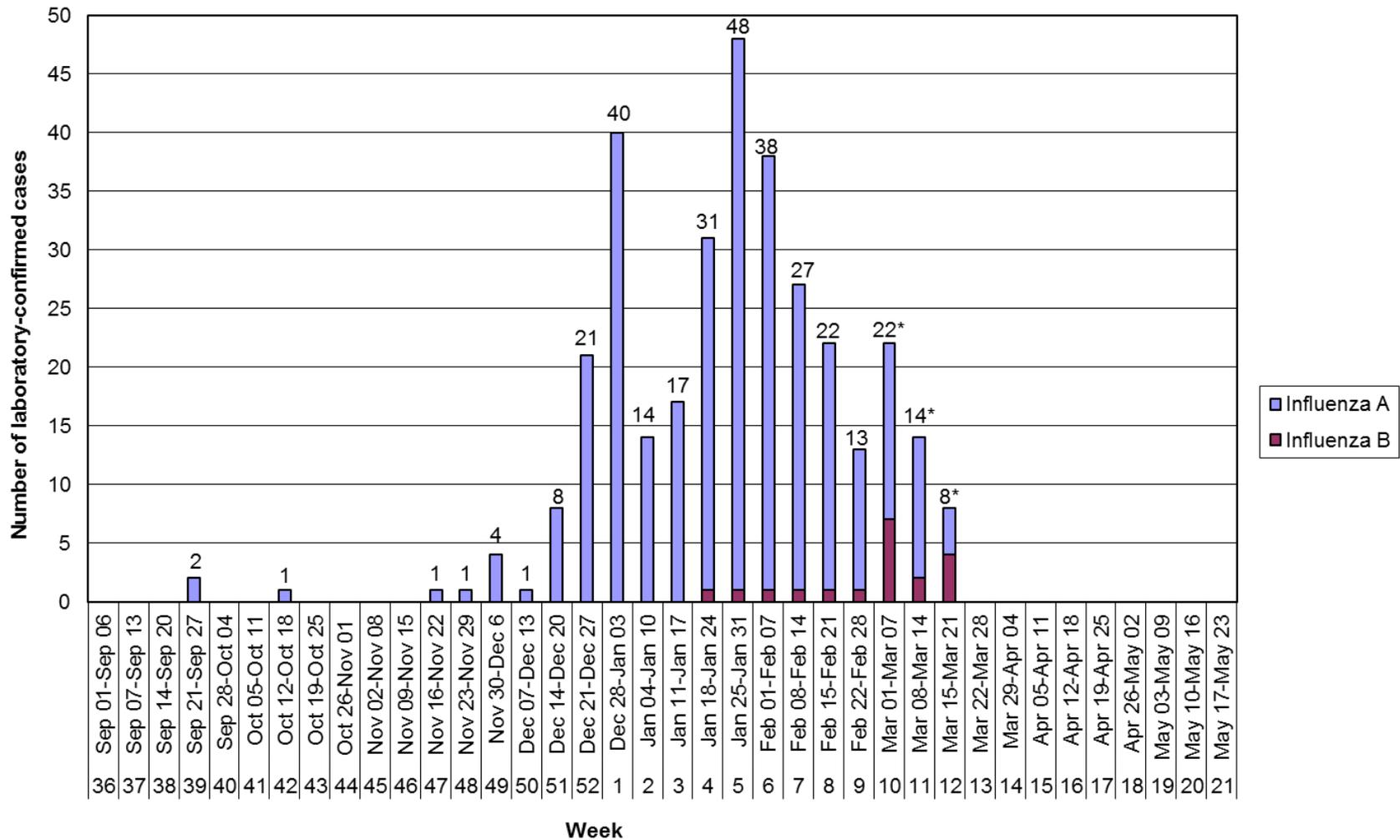
Indicator	Current Reporting Period	Number/Percent Reported: <i>Current Reporting Period</i>	Comparison to Previous Week
Hospital emergency room reports regarding the percentage of patients with fever and respiratory illness <i>(includes LHSC emergency departments and the SJHC urgent care centre)</i>	Mar. 15-21	An average of 9.2% of patients presented with fever and respiratory symptoms. The proportion was highest at the paediatric emergency department, where 23.7% of patients presented with a fever and respiratory symptoms.	Similar to the 9.4% reported the previous week (Mar. 8-14). Slightly higher than the 23.2% reported the previous week (Mar. 8-14).
Absence reports from elementary schools (i.e., absenteeism > 10%)	Mar. 16-20	Data not available due to March Break.	Data not available due to March Break.
Sentinel X-ray provider reports regarding newly identified bronchopneumonia cases	Mar. 16-21	An average of 4.3% of chest x-rays performed were newly diagnosed bronchopneumonia cases.	Lower than the 6.7% reported the previous week (Mar. 9-14).

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 2014-2015 influenza season (N=333)**



Source: Middlesex-London Health Unit internal influenza tracking database, extracted March 23, 2015.

† 'Influenza date' is the earliest of: symptom onset date, specimen collection date, and reported date.

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