

2014-2015 Community Influenza Surveillance Report Update of Current Status March 3, 2015

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

Local Activity:

From February 22nd to 28th, 2015, 16 laboratory-confirmed cases of influenza A and two laboratory-confirmed cases of influenza B were reported. Among these cases, there were six hospitalizations. No deaths were reported to the Health Unit in the most recent week.

Since September 1st, 2014, there has been a total of 278 confirmed influenza A cases and six influenza B cases reported, 112 of whom have been hospitalized, and six of whom have died.

In addition, one laboratory-confirmed influenza A outbreak was declared last week. Since September 1st, 2014, there have been 34 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 284 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 3, 2015

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

Indicator	Current Reporting Period	Number Reported: Current Reporting Period	Number Reported: Year to Date (from September 1, 2014)	Comparison to Previous Week
Laboratory-confirmed cases¹	Feb. 22-28	Influenza A – 16 cases Influenza B – 2 cases	Influenza A – 278 cases Influenza B – 6 cases	Lower compared to the previous week (Feb. 15-21), when 21 influenza A cases and one influenza B case was reported. Please note that the week in which cases are reported does not necessarily reflect the date of onset of illness.
Influenza sub-types¹	Feb. 22-28	Influenza A(H3) – 2 cases B/Massachusetts/02/12-like - 1 case	Influenza A(H3) – 56 cases Not subtyped – 222 cases A/Switzerland/9715293/2013-like - 1 case B/Massachusetts/02/12-like – 1 case	All influenza A strains subtyped to date have been influenza A (H3). One sample has 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 a B/Massachusetts/02/12-like, which is a component of the 2014-2015 seasonal influenza vaccine.
Hospitalizations¹	Feb. 22-28	6	112	Lower compared to the previous week (Feb. 15-21) when 9 hospitalizations were reported.
Deaths¹	Feb. 22-28	0	6	Same as the previous week (Feb. 15-21) when no deaths were reported among people with laboratory-confirmed influenza.
Influenza outbreaks in long-term care homes/retirement homes/acute care	Feb. 22-28	Influenza A – 1 outbreak Influenza B – 0 outbreaks	Influenza A – 33 outbreaks Influenza A & B – 1 outbreak Influenza B – 0 outbreaks	Lower compared to the previous week (Feb. 15-21) when two outbreaks were declared in facilities.
Percentage of samples that are positive for influenza (Ontario)²	Feb. 15-21	Influenza A – 18.9% positivity Influenza B – 1.3% positivity	N/A	Influenza A: Lower compared to 21.6% reported the previous week (Feb. 8-14). Influenza B: Similar compared to 1.5% positivity reported the previous week (Feb. 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 Virus Bulletin 2014-2015

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

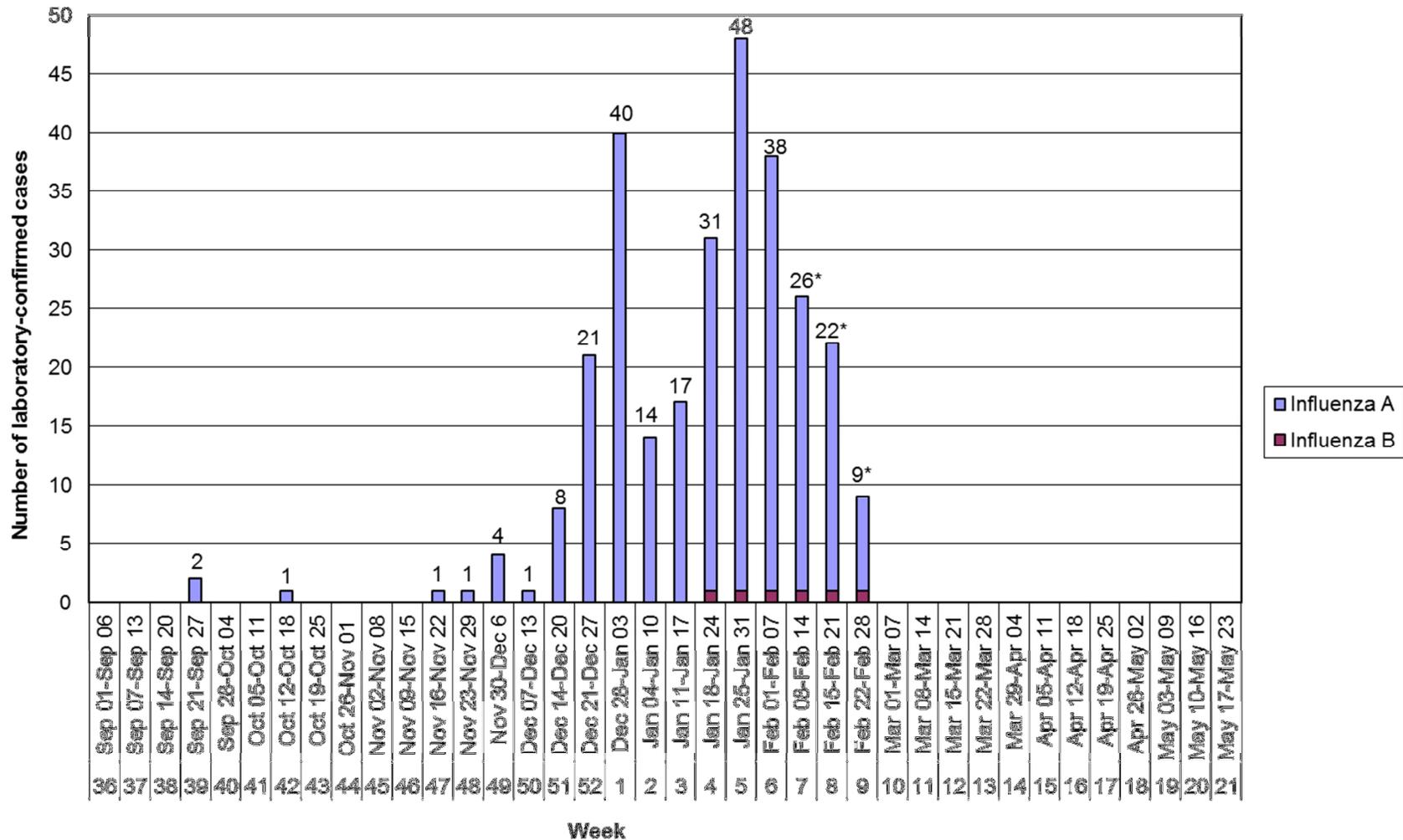
Indicator	Current Reporting Period	Number or Percent Reported: <i>Current Reporting Period</i>	Comparison to Previous Week
Hospital emergency room reports regarding the percentage of patients with fever and respiratory illness <i>(includes LHSC emergency departments and the SJHC urgent care centre)</i>	Feb. 22-28	An average of 11.1% of patients presented with fever and respiratory symptoms. The proportion was highest at the paediatric emergency department, where 26.4% of patients presented with a fever and respiratory symptoms.	Higher than the 9.4% reported the previous week (Feb. 15-21). Higher than the 25.2% reported the previous week (Feb. 15-21).
Absence reports from elementary schools (i.e., absenteeism > 10%)	Feb. 23-27	A total of 19 elementary schools from one school board reported a five-day average absenteeism rate exceeding 10%.	Lower than the previous week (Feb. 17-20), when 31 schools reported increased absenteeism.
Sentinel X-ray provider reports regarding newly identified bronchopneumonia cases	Feb. 23-28	An average of 6.0% of chest x-rays performed were newly diagnosed bronchopneumonia cases.	Higher than the 3.8% reported the previous week (Feb. 17-21).

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=284)



Source: Middlesex-London Health Unit internal influenza tracking database, extracted March 2, 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.