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## 2015-2016 Community Influenza Surveillance Report Update of Current Status February 2, 2016

### Overall assessment

Influenza activity in Middlesex-London is higher compared to previous reporting week.

### Current Local Activity

From January 24<sup>th</sup> to 30<sup>th</sup>, 2016, seven laboratory-confirmed cases of influenza (six influenza A and one influenza B) were reported to the Middlesex-London Health Unit, of whom three were hospitalized. Since September 1<sup>st</sup>, 2015, there has been a total of 22 laboratory-confirmed influenza cases (19 of influenza A and three of influenza B) reported in London and Middlesex County.

No influenza outbreaks have been declared since September 1<sup>st</sup>, 2015.

Appendix A provides more details about laboratory-based influenza activity indicators, as well as other local indicators of respiratory illness.

### 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 February 2, 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>	Jan. 24-30	Influenza A – 6 cases Influenza B – 1 case	Influenza A – 19 cases Influenza B – 3 cases	<b>Higher</b> compared to the previous week (Jan. 17-23) when two cases of influenza were reported.
<b>Influenza sub-types<sup>1</sup></b>	Jan. 24-30	<b>Subtyping</b> Influenza A(H3) – 0 cases Influenza A (H1N1)pdm09 – 1 case Influenza A not subtyped – 5 cases  <b>Strain typing</b> A/California/07/09-like-1 case	Influenza A(H3) – 3 cases Influenza A(H1N1)pdm09– 9 cases  Influenza A not subtyped – 7 cases  A/California/07/09-like- 1 case	
<b>Hospitalizations<sup>1</sup></b>	Jan. 24-30	3	10	<b>Higher</b> compared to the previous week (Jan. 17-23) when two hospitalizations were reported.
<b>Deaths<sup>1</sup></b>	Jan. 24-30	0	0	
<b>Influenza outbreaks in long-term care homes/retirement homes/acute care</b>	Jan. 24-30	0	0	
<b>Percentage of samples that are positive for influenza (Ontario)<sup>2</sup></b>	Jan. 17-23	Influenza A – 6.6% positivity Influenza B – 1.1% positivity	N/A	Influenza A: <b>Higher</b> compared to 4.2% positivity reported the previous week (Jan. 10-16).  Influenza B: <b>Higher</b> compared to 0.1% positivity reported the previous week (Jan. 10-16).

**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>	Jan. 24-30	An average of 8.1% of patients presented with fever and respiratory symptoms.  The proportion was highest at the paediatric emergency department, where an average of 23.2% of patients presented with a fever and respiratory symptoms.	<b>Higher</b> than 6.6% reported the previous week (Jan. 17-23).  <b>Higher</b> than 18.4% reported the previous week (Jan. 17-23).
<b>Absence reports from elementary schools (i.e., absenteeism &gt; 10%)</b>	Jan. 25-29	22 elementary schools from one school board reported an average absenteeism rate exceeding 10%.	<b>Higher</b> than the previous week (Jan. 18-22), when 17 schools reported increased absenteeism.
<b>Sentinel x-ray provider – newly identified bronchopneumonia cases</b>	Jan. 25-30	An average of 4.1% of chest x-rays performed were newly diagnosed bronchopneumonia cases.	<b>Higher</b> than 2.8% reported the previous week (Jan. 18-23).

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