

**Table 1. Assessment of Influenza activity in Windsor-Essex County for Week 18**

| Measure of activity                  | Assessment compared to previous week (Lower, Similar, Higher) | Reasoning behind assessment                                 |
|--------------------------------------|---|---|
| Laboratory-confirmed influenza cases | Higher  | Two laboratory-confirmed influenza cases reported           |
| Influenza outbreaks                  | Lower   | No new influenza outbreaks reported in Week 18              |
| Influenza activity levels            | Lower   | No ongoing Influenza outbreak as of May 6 <sup>th</sup>     |
| ILI & Respiratory ED Visits          | Similar   | 6.9% increase in ILI & Resp. Syndrome visits from last week |
| <b>OVERALL ASSESSMENT</b>            | <b>Similar</b>  |   |

**Table 2. Number of laboratory confirmed influenza cases reported in Windsor-Essex County: Week 18 & 2016-17\***

| Windsor-Essex County   | Influenza A<br>n (avg) | Influenza B<br>n (avg) | ALL TYPES<br>n (avg) |
|------------------------|------------------------|------------------------|----------------------|
| Week 18                | 1 (0)                  | 1 (3)                  | 2 (3)                |
| <b>SEASON-TO-DATE*</b> | <b>146 (121)</b>       | <b>18 (49)</b>         | <b>164 (171)</b>     |

\*Average of past-five seasons (2011-12 to 2015-16) reported in brackets

**Table 3. Respiratory infection outbreaks in institutions: Week 18 and Total for the 2016-2017 Influenza season**

| Aetiologic Agent/Organism   | Week 18 outbreak count (%) | 2016-2017 season outbreak total (%)* |
|---|----------------------------|--------------------------------------|
| Influenza A <sup>†</sup>  | 0                          | 18 (38.3%)                           |
| Influenza B   | 0                          | 1 (2.1%)                             |
| Influenza A and B   | 0                          | 0                                    |
| Enterovirus/rhinovirus  | 0                          | 2 (4.3%)                             |
| Parainfluenza (all types)   | 0                          | 2 (4.3%)                             |
| Respiratory syncytial virus (RSV)                                   | 0                          | 6 (12.8%)                            |
| Combined outbreaks (more than one non-influenza organism)           | 0                          | 4 (8.5%)                             |
| Other organisms (i.e. metapneumovirus, adenovirus, and coronavirus) | 0                          | 11 (23.4%)                           |
| No organism identified  | 2 (100%)                   | 3 (6.4%)                             |
| <b>TOTAL</b>  | <b>2</b>                   | <b>47</b>                            |

\*Cumulative total only includes outbreaks with an index case onset date on or after Week 36. There was one outbreak of enterovirus/rhinovirus with an index case onset date in Week 35 that was declared over in Week 40. This outbreak was not included in the season total.

<sup>†</sup>Includes combined outbreaks of Influenza and other microorganisms

**Figure 1. Syndromic surveillance emergency department visits by Windsor-Essex County residents for the 2016-2017 season**

