The purpose of the weekly *Influenza Watch* is to summarize current influenza surveillance in the City of Cleveland. Please note that reported weekly data are preliminary and may change due to delayed submissions and additional laboratory results.

### Current Week (ending 02/16/2019)
- 20 new influenza diagnoses reported this week
- Influenza-like-illness (ILI) among emergency department visits: Elevated
- 1 influenza-associated pediatric mortality reported this week
- 30% of influenza hospitalizations are male, 70% female.

### Virus Characteristics
- 84% Influenza A
- 7% Influenza A (H1N1) pdm09
- 5% Influenza A (H3) Seasonal
- 4% Influenza B
- 0% Influenza B/Yamagata
- 0% Influenza A & B
- 0% Influenza Subtype Unknown

### Current Season Summary
- 247 Total Cases
- 1 Outbreak
- 1 Death*

*Refers to a Influenza-associated Pediatric Mortality

### Previous Week (ending 02/09/2019)
- 22 new influenza diagnoses reported this week
- Influenza-like-illness (ILI) among emergency department visits: Elevated
- 0 influenza-associated pediatric mortalities reported this week
- 43% of influenza hospitalizations are male, 57% female.
Influenza Activity in Ohio and City of Cleveland

Influenza activity was classified as “widespread” throughout Ohio during Week 7 (ending 02/16/2019). Through Week 7 of this influenza season, Ohio Department of Health (ODH) reported two (2) pediatric influenza-associated mortalities among patients under age 18 years. Public health surveillance data sources indicate low intensity for influenza-like illness (ILI) in outpatient settings reported by Ohio’s sentinel providers. Ohio Department of Health has reported an additional 534 influenza-associated hospitalizations this week, bringing the season (2018-2019) total to 3178 influenza-associated hospitalizations. State, Regional and National data is provided by the Ohio Department of Health, ODH Influenza Activity Summary MMWR 7.

In the City of Cleveland activity slightly decreased from Week 6 (ending 2/09/2019). More than one peak of activity may be seen during influenza season, so any City resident over 6 months of age who has not been vaccinated this season should get the shot now to protect themselves from influenza.

<table>
<thead>
<tr>
<th>Positive Test Type/Subtype</th>
<th>Week 7</th>
<th>Total To-Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A†</td>
<td>17</td>
<td>206</td>
</tr>
<tr>
<td>Influenza A (H1N1) Pandemic 2009</td>
<td>3</td>
<td>14</td>
</tr>
<tr>
<td>Influenza A (H3) Seasonal</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>Influenza B†</td>
<td>0</td>
<td>17</td>
</tr>
<tr>
<td>Influenza B/Victoria</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Influenza B/Yamagata</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Influenza A/B†</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Influenza Subtype Unknown</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>20</td>
<td>247</td>
</tr>
</tbody>
</table>

*Data from CDC Week 40 to Week 15.
†No further characterization performed.
Note: Totals may change due to further laboratory findings.
Figure 1: Number of Emergency Department Visits for Influenza-like Illness in Week 7

Number of Visits

Date


Figure 2: 2018-2019 Number of Emergency Department Influenza-like Illness Visits

Number of Visits

CDC Week

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Figure 3: 2018-2019 Confirmed Influenza-Associated Hospitalizations by CDC Week for City of Cleveland

Figure 4: 2018-2019 Age Distribution of Influenza-associated Hospitalizations in City of Cleveland

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infant</td>
<td>26</td>
</tr>
<tr>
<td>Preschool</td>
<td>7</td>
</tr>
<tr>
<td>Child</td>
<td>8</td>
</tr>
<tr>
<td>Adolescent</td>
<td>6</td>
</tr>
<tr>
<td>Adult</td>
<td>131</td>
</tr>
<tr>
<td>65 years and older</td>
<td>69</td>
</tr>
</tbody>
</table>
### Pneumonia and Influenza Deaths, 2018-2019*

<table>
<thead>
<tr>
<th>Age Category</th>
<th>Week 7</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pneumonia</td>
<td>Influenza</td>
<td>Pneumonia</td>
<td>Influenza</td>
</tr>
<tr>
<td>Under 1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>1-14 years</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>15-24 years</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>25-44 years</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>45-64 years</td>
<td>0</td>
<td>1</td>
<td>39</td>
<td>2</td>
</tr>
<tr>
<td>65-74 years</td>
<td>4</td>
<td>1</td>
<td>55</td>
<td>3</td>
</tr>
<tr>
<td>75 years and older</td>
<td>9</td>
<td>0</td>
<td>141</td>
<td>4</td>
</tr>
<tr>
<td>Unknown</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
<td><strong>3</strong></td>
<td><strong>245</strong></td>
<td><strong>11</strong></td>
</tr>
</tbody>
</table>

*Data from CDC Week 40 to Week 15.
†Data from Cleveland Department of Health Vital Statistics Department.
Note: Totals may change due to further laboratory findings
Note 2: Location of death is in Cleveland, Ohio – not home residence location.
Influenza Reporting in the City of Cleveland

Local providers are encouraged to report laboratory positive influenza detections to Katie Romig, Chief Epidemiologist by FAX 216-664-6159. Please fax a Case Report Form and/or a printed laboratory result, and indicate if the patient was admitted to the hospital, and/or is a resident of a congregate living facility.

For questions regarding the influenza watch summary please call Katie Romig at 216-420-7743 or email to: kromig@city.cleveland.oh.us

Resources

Ohio Department of Health Influenza
City of Cleveland Department of Public Health Flu Reports
Center for Disease Control and Prevention Influenza Surveillance Weekly Report

Source/Reference: San Diego County Influenza Watch