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 03/30/2019)

- 36 new influenza diagnoses reported this week
- Influenza-like-illness (ILI) among emergency department visits: Elevated
- 0 influenza-associated pediatric mortality reported this week
- 45% of influenza hospitalizations are male, 55% female.

Current Season Summary

- 478 Total Cases
- 1 Outbreak
- 1 Death*

*Refers to a Influenza-associated Pediatric Mortality

Virus Characteristics

- 82% Influenza A (H1N1) pdm09
- 6% Influenza A (H3) Seasonal
- 4% Influenza B
- 8% Influenza B/Yamagata
- 0% Influenza A & B
- 0% Influenza Subtype Unknown

Previous Week (ending 03/23/2019)

- 45 new influenza diagnoses reported this week
- Influenza-like-illness (ILI) among emergency department visits: Elevated
- 0 influenza-associated pediatric mortality reported this week
- 46% of influenza hospitalizations are male, 54% female.
Influenza Activity in Ohio and City of Cleveland

Influenza activity was classified as “widespread” throughout Ohio during Week 13 (ending 03/30/2019). Through Week 13 of this influenza season, Ohio Department of Health (ODH) reported four (4) 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 789 influenza-associated hospitalizations this week, bringing the season (2018-2019) total to 8519 influenza-associated hospitalizations. State, Regional and National data is provided by the Ohio Department of Health, ODH Influenza Activity Summary MMWR 13.

In the City of Cleveland activity slightly decreased from Week 12 (ending 03/23/2019). 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.

Influenza Detections Reported, 2018-2019*

<table>
<thead>
<tr>
<th>Positive Test Type/Subtype</th>
<th>Week 13</th>
<th>Total To-Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A†</td>
<td>34</td>
<td>394</td>
</tr>
<tr>
<td>Influenza A (H1N1) Pandemic 2009</td>
<td>0</td>
<td>39</td>
</tr>
<tr>
<td>Influenza A (H3) Seasonal</td>
<td>0</td>
<td>17</td>
</tr>
<tr>
<td>Influenza B†</td>
<td>2</td>
<td>28</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><strong>Total</strong></td>
<td><strong>36</strong></td>
<td><strong>478</strong></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 13

![Bar chart showing number of visits from March 24 to March 30, 2019.]

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

![Bar chart showing number of visits from CDC Week 40 to 20.]

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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>Infant</th>
<th>Preschool</th>
<th>Child</th>
<th>Adolescent</th>
<th>Adult</th>
<th>65 years and older</th>
</tr>
</thead>
<tbody>
<tr>
<td>37</td>
<td>13</td>
<td>15</td>
<td>8</td>
<td>266</td>
<td>137</td>
</tr>
</tbody>
</table>

Infant: 0-2 years old  
Preschool: 3-5 years old  
Child: 6-12 years old  
Adolescent: 13-17 years old  
Adult: 18-64 years old  
65 years and older
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