Ottawa County had a severe influenza season during the 2017-2018 fiscal year, which peaked from January until March, and included both influenza A and B viruses.

**Highlights**

- 583 Total Cases
- 64 Hospitalizations
- 0 Deaths
- 4 Outbreaks

**Virus Characteristics**

- **Influenza A (H1N1) pdm09**: 50%
- **Influenza A (H3) Seasonal**: 28%
- **Influenza B/Yamagata**: 22%
- **Influenza A & B**: 0%
- **Influenza Subtype Unknown**: 0%

*Confirmed Lab Results of Specimens Tested.

**Previous Season, 2016-2017**

- 1069 total influenza diagnoses*
- 32 hospitalizations
- 0 influenza-related deaths reported this week
- 0 influenza outbreaks

*Numbers were calculated differently in previous years than current year.

Katie Romig, epi@ottawahealth.org
Ottawa County Health Department
1856 E Perry St.
Port Clinton, OH 43452
Office: 419-734-6800
Fax: 419-734-6888
Influenza Activity in Ohio and Ottawa County

Influenza activity was classified as “widespread” throughout Ohio starting during week 1 (ending 1/06/2018) through week 15 (ending 4/14/2018). Through Week 15 of this influenza season, Ohio Department of Health (ODH) reported four pediatric influenza-associated mortalities among patients under age 18 years. Most regions in the state experienced several peaks of influenza during the season. Ohio Department of Health has reported the season (2017-2018) total to 16,565 influenza-associated hospitalizations. State, Regional and National data is provided by the Ohio Department of Health, [ODH Influenza Activity Summary](#).

In Ottawa County the total reported number of cases was 583 cases by the end of week 15 (ending 4/14/18). More than one peak of activity may be seen during influenza season, so any county 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>Total To-Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A†</td>
<td>289</td>
</tr>
<tr>
<td>Influenza A (H1N1) Pandemic 2009</td>
<td>0</td>
</tr>
<tr>
<td>Influenza A (H3) Seasonal</td>
<td>2</td>
</tr>
<tr>
<td>Influenza B†</td>
<td>125</td>
</tr>
<tr>
<td>Influenza B/Victoria</td>
<td>0</td>
</tr>
<tr>
<td>Influenza B/Yamagata</td>
<td>0</td>
</tr>
<tr>
<td>Influenza A/B†</td>
<td>2</td>
</tr>
<tr>
<td>Influenza Subtype Unknown</td>
<td>165</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>583</strong></td>
</tr>
</tbody>
</table>

*Data from CDC Week 42 to Week 15.
†No further characterization performed.
Note: Totals may change due to further laboratory findings
Figure 1: 2017-2018 Number of Emergency Department Nausea, Vomiting Visits

Figure 2: 2017-2018 Number of Emergency Department Influenza-like Illness Visits
April 25, 2018
Season Summary 2017-2018

Figure 3: 2017-2018 Confirmed Influenza-Associated Hospitalizations by MMWR Week for Ottawa County

Figure 4: 2017-2018 Age Distribution of Influenza-associated Hospitalizations in Ottawa County

<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>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>16</td>
<td>42</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
Figure 5: 2017-2018 Influenza Testing Reported by Magruder Hospital for Ottawa County Residents

- Tested for Influenza (Rapid Test)
- Positive for Influenza A
- Positive for Influenza B

### Season Summary 2017-2018

- Number of Tests
- CDC Week
- Tested for Influenza
- Positive for Influenza A
- Positive for Influenza B

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Fax: 419-734-6888
Figure 6: 2017-2018 Influenza Diagnoses and Testing Reported by Physician Offices for Ottawa County

- Clinically-Diagnosed Cases
- Type A positive
- Type B positive

Number of Cases

CDC Week
Figure 7: 2017-2018 Influenza Diagnoses and Testing Reported by Schools in Ottawa County

- Total Number of Students Absent
- Number of Students Absent Due to ILI
- Total Number of Nurse Visits
- Number of Students Sent Home Due to ILI

CDC Week

Holiday Weeks - Less Data
Spring Break - Less Data
Influenza Reporting in Ottawa County

Thank You!

Thank you to our local providers, hospitals, and laboratories for reporting ILI, influenza detections, outbreaks, and death cases to the Ottawa County Health Department. We appreciate your collaboration. Please continue to test and report influenza as it occurs during the summer months, and fax the results to the epidemiologist at 419-734-6888. We will resume the Influenza Watch weekly summary reports in the Fall of 2017. We will be contacting you with a new Case Report Form and more information in September, 2018. To subscribe to weekly Influenza Watch emails, send a request to epi@ottawahealth.org, or contact Katie Romig at 419-734-6800.

Resources

Ohio Department of Health Influenza
Ottawa County Health Department Flu Reports
Center for Disease Control and Prevention Influenza Surveillance Weekly Report

Source/Reference: San Diego County Influenza Watch