Influenza Activity in Holmes County

October 6-12, 2019

Summary:

Public health surveillance data indicate minimal influenza like illness (ILI) in Holmes County. The percentage of outpatient visits were slightly above the statewide average (Figures 1). The percentage of ER visits were slightly below the statewide average (Figure 2). The number of influenza associated hospitalizations are similar to the historical average (Figure 3). There was 1 influenza-associated hospitalization, 0 novel influenza infections, and 0 deaths reported to the Holmes County General Health District during the week.

Dashboard:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Current Week</th>
<th>Previous Week</th>
<th>Trend (# of weeks)</th>
<th>Season to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of ILI Outpatient visits&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1%</td>
<td>0%</td>
<td>← 2</td>
<td>-</td>
</tr>
<tr>
<td>Percentage of ILI ED visits&lt;sup&gt;2&lt;/sup&gt;</td>
<td>0%</td>
<td>3%</td>
<td>← 2</td>
<td>-</td>
</tr>
<tr>
<td>Number of Influenza Hospitalizations&lt;sup&gt;3&lt;/sup&gt;</td>
<td>1</td>
<td>-</td>
<td>↑ 1</td>
<td>1</td>
</tr>
<tr>
<td>Number of Novel Influenza Infections&lt;sup&gt;3&lt;/sup&gt;</td>
<td>0</td>
<td></td>
<td>← 2</td>
<td>0</td>
</tr>
<tr>
<td>Number of deaths&lt;sup&gt;4&lt;/sup&gt; associated with: Influenza</td>
<td>0</td>
<td></td>
<td></td>
<td>0</td>
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<tr>
<td>Pneumonia</td>
<td></td>
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<td>0</td>
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</tbody>
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Percentage of ILI Outpatient Visits by Week:

Figure 1. Percentage of Influenza related Outpatient Visits among Holmes County Residents by Week, 2019-2020 Flu Season

Source: Holmes County Influenza Surveillance System
Percentage of ILI ED Visits by Week:

![Figure 2. Percentage of Influenza related ED Visits among Holmes County residents by Week, 2019-2020 Flu Season](#)

Source: Holmes County Influenza Surveillance System

Number of Influenza Associated Hospitalizations by Week:

![Figure 3. Number of Influenza-Associated Hospitalizations among Holmes County residents by week, 2019-2020 Flu Season](#)

Source: Ohio Disease Reporting System
State, Regional, and National Data:

Ohio Surveillance Data:
- ODH lab has reported 7 positive influenza tests from specimens sent from various submitters. 2019-2020 influenza season results: (0) A/pdmH1N1; (6) A/H3N2; (1) Influenza B; (0) Negative (through 10/12/2019).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 2,021 influenza tests performed at participating facilities. 2019-2020 influenza season positive results: (0) A/pdmH1N1, (0) A/H3N2, (0) Flu A Not Subtyped, and (0) Flu B (through 10/12/2019).
- 0 pediatric influenza-associated mortalities have been reported during the 2019-2020 season (through 10/12/2019).
- No novel influenza A virus infections have been reported during the 2019-2020 season (through 10/12/2019).

HHS Regional Surveillance Data*: During week 40 (September 29th – October 5th, 2019), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 1.1%, which is below the regional baseline of 1.9 %. West Virginia, Ohio, Pennsylvania, Indiana, and Michigan reported Sporadic Activity; Kentucky reported Local Activity.

National Surveillance Data*: During week 40 (September 29th – October 5th, 2019), the majority of U.S. states reported Minimal influenza activity (LA reported Moderate influenza activity). The proportion of outpatient visits for ILI was 1.4%, which is below the national baseline of 2.4%. All 10 HHS regions reported ILI levels below their region-specific baseline levels. The most frequently identified influenza virus type reported by public health laboratories was influenza A.

*National-level and regional-level data are reported one week later than Ohio state-level data
Data Sources:

1. **Outpatient Influenza Like Illness Visits**: The Holmes County General Health District collects and monitors data on the percentage of outpatient visits seen for influenza like illness. The data collection is part of a national effort to track the occurrence and severity of the influenza season in the United States. Two outpatient providers in Holmes County are voluntarily participating during 2017-2018 influenza season.

2. **Emergency Department Visits**: Local data is based on data reported by Pomerene Hospital. Pomerene collects data on the disease diagnosis of patients presenting at the emergency department. ILI data is based on laboratory confirmed diagnosis of influenza. Aggregate numbers are voluntarily reported to the Holmes County General Health District. Statewide data is gathered by the Epi Center Syndromic Surveillance System and is based on the chief complaint of patients presenting at the ED.

3. **Influenza-Associated Hospitalizations (ODRS)**: Influenza-associated hospitalizations and novel influenza infections are reported by the Holmes County General Health District and hospitals using the Ohio Disease Reporting System (ODRS). Hospitalizations can be used as an indicator of the severity of illness during a particular influenza season. This condition became reportable in January 2009.

4. **Office of Vital Statistics**: The Holmes County General Health District Office of Vital Statistics receives reports on the causes of death that occur within the county. Influenza and pneumonia deaths were included in this report if they were listed as the immediate or underlying cause of death on the death certificate.