Geographic Spread

South Carolina reported regional activity this week. This is the second consecutive week at regional activity.

Influenza-Associated Hospitalizations and Deaths

A total of 10 influenza-associated hospitalizations were reported by 44 hospitals. The cumulative hospitalization rate is 1.3 per 100,000. There was 1 laboratory-confirmed influenza-associated death reported. The cumulative mortality rate is 0.02 per 100,000. Compared to the previous week, the number of reported hospitalizations remained the same. In the current flu season, there have been 66 influenza-associated hospitalizations and 1 influenza-associated death reported.

Virologic Surveillance

A total of 277 influenza cases (273 positive rapid antigen detection tests; 4 lab-confirmed tests) were reported from 35 counties representing all four DHEC Public Health regions. Influenza A was most frequently reported by clinical labs. Compared to the previous week, this is an increase of 33 cases (13.5%). In the current flu season, there have been 1,073 influenza cases (1,056 positive rapid antigen detection tests; 17 lab-confirmed tests) reported.

Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 2.38%, which is below South Carolina’s baseline (3.13%). Compared to the previous week, this is a decrease of 0.26%.

The ILI activity level was low.

For a description of South Carolina’s influenza surveillance components and definitions go to:
http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/

For national surveillance, please visit:
https://www.cdc.gov/flu/weekly/
This week, 4 lab-confirmed case and 273 positive rapid influenza detection tests were reported by clinical labs.

The percentage of specimens sent to the state public health lab that tested positive for influenza was 100%.

**Influenza A** was most frequently reported by clinical labs while the state public health lab did not report any positive influenza results.
Weekly Influenza Case Rate/100,000 By County

Virologic Surveillance

Includes all lab-confirmed and positive rapid cases

Flu Watch  MMWR Week 45  November 5 – November 11, 2017
This week, the ILI activity level was **low** and **2.38%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.13%**.

Reports were received from providers in 13 counties, representing all 4 DHEC Public Health regions.

**ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.**
### Influenza-Associated Hospitalizations And Deaths

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Hospitalizations This Week</th>
<th>Rate per 100,000</th>
<th>Season Total</th>
<th>Deaths This Week</th>
<th>Rate per 100,000</th>
<th>Season Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 4</td>
<td>1</td>
<td>1.0</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>5 to 17</td>
<td>0</td>
<td>0.3</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>18 to 49</td>
<td>1</td>
<td>0.4</td>
<td>8</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>50 to 64</td>
<td>4</td>
<td>1.3</td>
<td>13</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>65 &amp; older</td>
<td>4</td>
<td>4.8</td>
<td>40</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Total</td>
<td>10</td>
<td>1.3</td>
<td>66</td>
<td>1</td>
<td>0.02</td>
<td>1</td>
</tr>
</tbody>
</table>

The percentage of deaths attributed to pneumonia and influenza was 4.8%. This is **below** the epidemic threshold for the week ending October 21, 2017.