**Geographic Spread**

South Carolina reported **local activity** this week.

**Influenza-Associated Hospitalizations and Deaths**

A total of **16** influenza-associated hospitalizations were reported by 32 hospitals. The cumulative hospitalization rate is **89.8 per 100,000**. There were **4** laboratory-confirmed influenza-associated deaths reported; however, all deaths except for one occurred in previous weeks. The cumulative mortality rate is **5.4 per 100,000**. Compared to the previous week, the number of reported hospitalizations **decreased** by **6 (27.3%)** and number of reported deaths **remained the same**. In the current flu season, there have been **4,458** influenza-associated hospitalizations and **269** influenza-associated deaths reported.

**Virologic Surveillance**

A total of **274** influenza cases (**267** positive rapid antigen detection tests; **7** lab-confirmed tests) were reported from 26 counties representing all four DHEC Public Health regions. Influenza B was most frequently reported by clinical labs. Compared to the previous week, this is a **decrease** of **198** cases (**42.0%**). In the current flu season, there have been **134,701** influenza cases (**131,216** positive rapid antigen detection tests; **3,485** lab-confirmed tests) reported.

**Influenza-Like Illness Surveillance**

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.35%**, which is **below** South Carolina’s baseline (**3.13%**). Compared to the previous week, this is an **increase** of **0.23%**.

The ILI activity level was **minimal**.

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

For national surveillance, please visit: [https://www.cdc.gov/flu/weekly/](https://www.cdc.gov/flu/weekly/)
This week, 7 lab-confirmed cases and 267 positive rapid influenza detection tests were reported by clinical labs.

**Influenza B** was most frequently reported by clinical labs.
Virologic Surveillance

Map of Influenza Cases (n)*
and Influenza Case Rate/100,000 By County
For Week Ending 5/5/2018

Weekly Influenza Case Rate per 100K

0 to 25 persons
26 to 50 persons
51 to 75 persons
Greater than 75 persons

*Includes all lab-confirmed and positive rapid cases

Flu Watch  MMWR Week 18  April 29 – May 5, 2018
This week, the ILI activity level was **minimal** and 1.35% 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 8 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.**

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**ILI ACTIVITY LEVELS:**  MINIMAL LOW MODERATE HIGH

No color fill indicates either no reporting or does not participate.
Influenza-Associated Hospitalizations and Deaths

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Hospitalizations This Week</th>
<th>Rate per 100,000 This Week</th>
<th>Season Total</th>
<th>Rate per 100,000 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>53.2</td>
<td>156</td>
<td>--</td>
<td>1</td>
<td>1.0</td>
<td>3</td>
</tr>
<tr>
<td>5 to 17</td>
<td>0</td>
<td>17.2</td>
<td>138</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>18 to 49</td>
<td>1</td>
<td>28.9</td>
<td>579</td>
<td>--</td>
<td>1.3</td>
<td>26</td>
<td>--</td>
</tr>
<tr>
<td>50 to 64</td>
<td>7</td>
<td>114.9</td>
<td>1046</td>
<td>--</td>
<td>4.9</td>
<td>45</td>
<td>--</td>
</tr>
<tr>
<td>65 &amp; older</td>
<td>7</td>
<td>401.8</td>
<td>2539</td>
<td>1</td>
<td>30.8</td>
<td>195</td>
<td>--</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>89.8</td>
<td>4458</td>
<td>1</td>
<td>5.4</td>
<td>269</td>
<td>--</td>
</tr>
</tbody>
</table>

The percentage of deaths attributed to pneumonia and influenza was 5.2%. This is below the epidemic threshold for the week ending April 14, 2018.