Week 50 (December 11 — December 17, 2016) Synopsis

During week 50 there was moderate influenza-like illness activity in Georgia with local occurrences of sustained flu transmission.

- **Outpatient Illness Surveillance (ILINet):** The proportion of outpatient visits for ILL was 3.28%, which is above the Georgia baseline of 2.1%.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Georgia was LOCAL during week 50.
- **Metro Area Hospitalizations:** There were 9 hospitalizations due to influenza infection during week 50. There have been 39 hospitalizations due to influenza so far this season.
- **Influenza Related Deaths:** There were 0 confirmed deaths due to influenza.
- **Viral Surveillance:** Of the 583 specimens tested by Georgia clinical laboratories reporting to the National Respiratory and Enteric Virus Surveillance System (NREVSS) during week 50, 48 (8.23%) were positive for influenza. Public Health Laboratories tested 7 specimens during week 50, 1 was positive for influenza.
- **Reported Influenza Outbreaks:** There were 0 outbreaks reported to public health during week 50.
- **RSV Viral Surveillance:** Of the 372 specimens tested and reported by the Georgia Public Health Laboratory (GPHL) and the National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 50, the percent positive of ALL laboratory tests was 27.69%.

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**Flu News**

**Health Map Vaccine Finder**

**News Scan:** H7N9 case in Mexico; Texas Zika Funding; Saudi MERS case; Northern Hemisphere flu uptick

**H5N8 avian flu outbreaks expand to Wales**
During week 50 those under 24 years of age were most often seen with ILI symptoms by ILINet providers.

**Percentage of patients with ILI reported by ILINet providers**
(Volunteer providers who report percentage of patients with ILI seen by their practice or facility weekly. This week there are currently 50 ILINet providers reporting in Georgia.)

This Week: 3.28% of patients seen in ILINet Provider offices were seen with ILI.

*Note:* The Georgia baseline is formulated by averaging ILI percentage during weeks of endemic activity determined by laboratory results for influenza.

**ILINet Patient Visits By Age Group**

During week 50 those under 24 years of age were most often seen with ILI symptoms by ILINet providers.
This Week’s Flu Code is:

**LOCAL**

Increased ILI in 1 region; ILI activity in other regions is not increased

And recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI

**OR**

2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased And recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions
During week 50 the weekly percentage of patients seen for ILI in Georgia Emergency Departments reporting to our syndromic surveillance system increased to 3.93% (from 3.18% during week 49).

**Number of Patient Visits with ILI Syndrome by Age Group**

Weekly Data for 9/25/16 - 12/24/16
Georgia Influenza-Associated Hospitalizations

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Number of Hospitalizations (8-County Metro-Area Only)</th>
<th>Hospitalization Rate (Cases/100,000 people)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 4</td>
<td>2</td>
<td>0.74</td>
</tr>
<tr>
<td>5 - 17</td>
<td>5</td>
<td>0.68</td>
</tr>
<tr>
<td>18 - 49</td>
<td>5</td>
<td>0.27</td>
</tr>
<tr>
<td>50 - 64</td>
<td>11</td>
<td>1.51</td>
</tr>
<tr>
<td>65+</td>
<td>16</td>
<td>3.89</td>
</tr>
<tr>
<td>Unknown</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Total</td>
<td>39</td>
<td>0.98</td>
</tr>
</tbody>
</table>

Influenza-associated Hospitalizations in the Eight County Metro Atlanta Area, 2016-2017

Georgia Influenza-Associated Deaths

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Number of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 4</td>
<td>0</td>
</tr>
<tr>
<td>5 - 17</td>
<td>0</td>
</tr>
<tr>
<td>18 - 51</td>
<td>0</td>
</tr>
<tr>
<td>51 - 64</td>
<td>0</td>
</tr>
<tr>
<td>65+</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
</tr>
</tbody>
</table>

Influenza-associated Deaths, Georgia, 2016-2017
During week 50 Georgia clinical laboratories reporting to NREVSS tested 583 specimens for influenza, 48 (8.23%) were positive. Both influenza A and B were identified.

Note: No subtyping information will be released from clinical laboratories.

Public Health Laboratories tested 7 specimens for influenza during week 50, 1 was positive for influenza A(H3N2).

**Respiratory Syncytial Virus (RSV) Surveillance Data**

**Georgia threshold of RSV season onset and end**

RSV season onset is defined as the first week of two (2) consecutive weeks when the percent positive of **ALL** lab confirmed tests are greater than or equal to 10%. The end of RSV season is now defined as the first week of two consecutive weeks when the percent positive of **ALL** lab confirmed tests are less than 10%.

**RSV Season Status: ON**