**Week 15 (April 10 - 16 2016) Synopsis**

During week 15 there was low influenza activity in Georgia with sporadic occurrences of sustained flu transmission.

- **Outpatient Illness Surveillance (ILINet):** The proportion of outpatient visits for ILL was **2.19%**, which is **above** the Georgia baseline of 1.6%.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Georgia was **SPORADIC** during week 15.
- **Metro Area Hospitalizations:** There were 10 hospitalizations due to influenza infection during week 15. There have been 527 hospitalizations due to influenza infection so far this season.
- **Influenza Related Deaths:** There were 0 confirmed deaths due to influenza. There have been 5 confirmed influenza-associated death as of 4/22/2016.
- **Viral Surveillance:** Of the **600** specimens tested by Georgia clinical laboratories reporting to the National Respiratory and Enteric Virus Surveillance System (NREVSS) during week 15, **56 (9.33%)** were positive for influenza. Public Health Laboratories tested 17 specimens during week 15, 6 were positive for influenza.
- **Reported Influenza Outbreaks:** There were 0 outbreaks reported to public health during week 15. There have been 3 influenza-related outbreaks so far this season.
- **RSV Viral Surveillance:** Of the **118** 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 15, the percent positive of **ALL** laboratory tests was **3.89%**.

**Flu News**

**Flu Scan:** **Influenza A, then B; Flu vaccine protection surprise; Global flu update**

**Study:** Flu vaccine efficacy can wane over single season
During week 15 those under 24 years of age were most often seen with ILI symptoms by ILINet providers.

Note: The Georgia baseline is formulated by averaging ILI percentage during weeks of endemic activity determined by laboratory results for influenza.
This Week's Flu Code is: **SPORADIC**

ILI activity has not increased and isolated lab-confirmed cases of influenza

OR

ILI activity has not increased and a lab confirmed influenza outbreak in one institution.

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**Georgia ILI Intensity Indicator**

ILI Activity Levels (1 - 10) correspond to the number of standard deviations away from the 3-year mean for the current week.

This week the intensity level is: **Low = 4**

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**Georgia ILI Geographic Dispersion**

This Week’s Flu Code is: **SPORADIC**

ILI activity has not increased and isolated lab-confirmed cases of influenza

OR

ILI activity has not increased and a lab confirmed influenza outbreak in one institution.
During week 15 the weekly percentage of patients seen for ILI in Georgia Emergency Departments reporting to our syndromic surveillance system decreased compared to the previous week.
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>75 (14.2%)</td>
<td>27.83</td>
</tr>
<tr>
<td>5 - 17</td>
<td>47 (8.9%)</td>
<td>6.59</td>
</tr>
<tr>
<td>18 - 51</td>
<td>156 (29.6%)</td>
<td>8.58</td>
</tr>
<tr>
<td>51 - 64</td>
<td>122 (23.1%)</td>
<td>17.59</td>
</tr>
<tr>
<td>65+</td>
<td>127 (24.1%)</td>
<td>34.29</td>
</tr>
<tr>
<td>Total</td>
<td>527</td>
<td>14.04</td>
</tr>
</tbody>
</table>

**Influenza-associated Hospitalizations in the Eight County Metro Atlanta Area, 2015-2016**

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>1</td>
</tr>
<tr>
<td>51 - 64</td>
<td>2</td>
</tr>
<tr>
<td>65+</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>5</td>
</tr>
</tbody>
</table>

**Influenza-associated Deaths, Georgia, 2015-2016**
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: OFF

During week 15 Georgia clinical laboratories reporting to NREVSS tested 600 specimens for influenza, 56 (9.33%) were positive. The predominate strain identified was influenza B.

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

Public Health Laboratories tested 17 specimen for influenza during week 15, 6 were positive for Influenza (3 influenza A and 3 influenza B).