**Sentinel Provider Influenza-Like Illness (ILI)¹ Surveillance Summary**

for the Week of Aug. 2-8, 2015 (Week 31)

<table>
<thead>
<tr>
<th>Summary for</th>
<th># Sites reporting</th>
<th>Total Sites</th>
<th>Total Regional ILI</th>
<th>Total Regional Patients</th>
<th>% ILI Compared to State²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamilton County (Chattanooga)</td>
<td>3</td>
<td>4</td>
<td>0</td>
<td>280</td>
<td>0.0%</td>
</tr>
<tr>
<td>East Tennessee Region</td>
<td>5</td>
<td>7</td>
<td>0</td>
<td>1981</td>
<td>0.0%</td>
</tr>
<tr>
<td>Jackson-Madison County</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>607</td>
<td>0.0%</td>
</tr>
<tr>
<td>Knoxvile-Knox County</td>
<td>1</td>
<td>4</td>
<td>0</td>
<td>323</td>
<td>0.0%</td>
</tr>
<tr>
<td>Mid-Cumberland Region</td>
<td>10</td>
<td>11</td>
<td>1</td>
<td>895</td>
<td>0.1%</td>
</tr>
<tr>
<td>Shelby County (Memphis)</td>
<td>10</td>
<td>12</td>
<td>6</td>
<td>936</td>
<td>0.6% higher</td>
</tr>
<tr>
<td>Nashville-Davidson County</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>372</td>
<td>0.8% higher</td>
</tr>
<tr>
<td>Northeast Region</td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>176</td>
<td>0.0%</td>
</tr>
<tr>
<td>South Central Region</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>299</td>
<td>0.0%</td>
</tr>
<tr>
<td>Southeast Region</td>
<td>4</td>
<td>5</td>
<td>0</td>
<td>185</td>
<td>0.0%</td>
</tr>
<tr>
<td>Sullivan County (Tri-Cities)</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0.0% n/a</td>
</tr>
<tr>
<td>Upper Cumberland Region</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>472</td>
<td>0.0%</td>
</tr>
<tr>
<td>West Tennessee Region</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>285</td>
<td>0.0%</td>
</tr>
<tr>
<td>State of Tennessee</td>
<td>52</td>
<td>68</td>
<td>10</td>
<td>6791</td>
<td>0.15%</td>
</tr>
</tbody>
</table>

The percentage of patients with ILI reported in Week 31 was 0.15% as compared to 0.11% in Week 30. To date, 76 specimens have been tested by TDH Laboratory Services and two commercial laboratories that serve hospitals and clinics in Tennessee; none (0%) were positive for influenza viruses.

SPN sites should submit specimens year-round from ALL patients meeting the ILI case definition: Fever > 100°F (37.8°C) plus cough and/or sore throat, in the absence of a known cause (other than influenza). Case definition is not dependent on any test. If you have questions, contact your regional or state SPN representative. The TDH specimen submission form dated Oct 2014 should be used.

Specimens are critical to be able to track the geographic spread and intensity of seasonal influenza viruses, to detect the emergence of novel virus and/or antiviral resistance and provide data for vaccine strain selections.

**Respiratory Viral Panel**

**Number of Positive Specimens, by week**

<table>
<thead>
<tr>
<th>Month/Week</th>
<th>#</th>
<th>Parflu 3</th>
<th>Rhino</th>
<th>Meta-pneumo</th>
</tr>
</thead>
<tbody>
<tr>
<td>August</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current</td>
<td>76</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>July</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>78</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>29</td>
<td>85</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>28</td>
<td>90</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>27</td>
<td>85</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26</td>
<td>75</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Influenza-like illness (ILI) is defined as fever > 100°F (37.8°C) plus cough and/or sore throat, in the absence of a known cause (other than influenza). Classification of ILI is based upon symptoms only and does not require any test.

The % of patients with ILI seen in each region is compared to the statewide average. Regions with % statistically-significantly different from the state average are noted as "higher" or "lower." The CDC reports that the percentage of patients visiting outpatient healthcare providers in the Sentinel Provider Network (SPN) with influenza-like-illness (ILI) when influenza viruses are not circulating is expected to fall at or below a specific SPN baseline [nationwide = 2.2%, East South Central region (AL, TN, MS, KY) = 2.3%]. When the percentage of patients with ILI exceeds this baseline, this suggests that influenza viruses may be circulating.

Additional laboratory supplies can be obtained by completing the lab order supply form. To ensure the order is filled, please include the CDC Provider ID Code.

Submit weekly reports to:  http://www2a.cdc.gov/ilinet/  OR  Fax 888-232-1322

State Lab:  Dr. Amy Woron (Molecular Biology, PCR)  615-262-6462
Jim Gibson (Virology, Respiratory Viral Panel)  615-262-6300

SPN Questions:
State:  Robb Garman 800-404-3006  OR  615-741-7247
County/Region:  Regional SPN Coordinator (see map)