Influenza Activity Code, County and State Levels

<table>
<thead>
<tr>
<th>Tarrant County: Week 47</th>
<th>Tarrant County: Week 46</th>
<th>Texas: Week 46</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local</td>
<td>Local</td>
<td>Sporadic</td>
</tr>
</tbody>
</table>

Respiratory Virus Activity Summary

- The percentage of reported influenza-like illness (ILI) in Tarrant County remained steady from 1.7% in week 46 to 1.7% in week 47 and is currently below the 2011-2012 HHS region 6 (Arkansas, Louisiana, New Mexico, Oklahoma and Texas) baseline (4.3%).

Due to various school closures for the Thanksgiving Holiday, no absenteeism information is presented.

- The percentage of flu screen positive tests in Tarrant County increased from 0.3% in week 46 to 0.9% in week 47.

- During the 2011-2012 influenza season, 0 Tarrant County influenza-associated pediatric deaths have been reported.

- Since last report, 6 specimen results were received from The North Texas Regional Laboratory. The following types and number of viruses were detected in these specimens: rhinovirus (2), respiratory syncytial virus (2)

- Cumulatively this season, the North Texas Regional Laboratory at Tarrant County Public Health has tested 55 specimens.

- At the national level during week 46, 0.97% of specimens tested and reported to the CDC were positive for influenza. The proportion of outpatient visits for ILI (1.3%) was below the national baseline (2.4%), and the proportion of deaths attributed to pneumonia and influenza (6.0%) was below the epidemic threshold (7.0%).
In week 47, 1.7% of visits to health care providers were due to ILI. ILI levels are currently below the regional established baseline of 4.3% and lower than state of Texas levels. In Tarrant County, of 270 patients presenting with ILI the majority (39.5%) were between 25-64 years of age. Those 65 years and older accounted for the lowest percentage of health care visits due to ILI (6.0%).

**NOTE:** Tarrant County ILI activity is assessed using information provided by surveillance participants and the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE). Texas ILI activity is assessed using information provided by a network of physicians. For week 47, 26 surveillance participants reported ILI information to Tarrant County Public Health. For week 46, 47 physicians reported information to the Texas Department of State Health Services.
### Table 1. North Texas Regional Laboratory: Respiratory Virus Results\(^1\)

<table>
<thead>
<tr>
<th></th>
<th>Current Week</th>
<th>2011-2012 Season</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Specimens Tested</td>
<td>6</td>
<td>55</td>
</tr>
<tr>
<td>Positive Specimens</td>
<td>4 (66.6%)</td>
<td>18 (32.7%)</td>
</tr>
<tr>
<td><strong>Influenza A</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Influenza A H1(^2)</td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Influenza A H3</td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Influenza A, Unsubtypeable(^2)</td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Influenza B</td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td><strong>Respiratory Syncytial Virus</strong></td>
<td>2 (50.0%)</td>
<td>3 (1.7%)</td>
</tr>
<tr>
<td><strong>Adenovirus</strong></td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td><strong>Human Metapneumovirus</strong></td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td><strong>Parainfluenza-1</strong></td>
<td>0 (0.0%)</td>
<td>3 (1.7%)</td>
</tr>
<tr>
<td><strong>Parainfluenza-2</strong></td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td><strong>Parainfluenza-3</strong></td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td><strong>Rhinovirus</strong></td>
<td>2 (50.0%)</td>
<td>14 (77.8%)</td>
</tr>
<tr>
<td><strong>Inconclusive</strong>(^3)</td>
<td>0 (0.0%)</td>
<td>0 (0.0%)</td>
</tr>
</tbody>
</table>

1. Laboratory results based on real-time PCR analysis; information is for the 2011-2012 season.
2. Influenza A subtype not determined; further analysis pending.
3. Inconclusive for influenza A and influenza B.

NOTE: 2 specimens tested positive for both human parainfluenza virus-1 AND rhinovirus.

### Table 2. Influenza Screening Test Results– Tarrant County

<table>
<thead>
<tr>
<th>CDC Week Number</th>
<th>45 (Nov. 6–12)</th>
<th>46 (Nov. 13–19)</th>
<th>47 (Nov. 20–26)</th>
</tr>
</thead>
<tbody>
<tr>
<td># Influenza Tests Performed</td>
<td>348</td>
<td>333</td>
<td>332</td>
</tr>
<tr>
<td>% Influenza Positive</td>
<td>0.6%</td>
<td>0.3%</td>
<td>0.9%</td>
</tr>
<tr>
<td># Influenza A Positive</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>% Influenza A Positive</td>
<td>100.0%</td>
<td>100.0%</td>
<td>33.3%</td>
</tr>
<tr>
<td># Influenza B Positive</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>% Influenza B Positive</td>
<td>0.0%</td>
<td>0.0%</td>
<td>66.7%</td>
</tr>
<tr>
<td># Non-differentiated Positive</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>% Non-differentiated Positive</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
</tbody>
</table>
Graph 3. 2011-2012 Absenteeism and ILI, Tarrant County

Table 3. Weekly Influenza Like Illness (ILI) and Absenteeism, %

<table>
<thead>
<tr>
<th>CDC Week Number</th>
<th>45 (Nov. 6–12)</th>
<th>46 (Nov. 13–19)</th>
<th>47 (Nov. 20–26)</th>
<th>Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>School Average Daily % Absent</td>
<td>3.8%</td>
<td>3.8%</td>
<td>Thanksgiving Holiday</td>
<td>4.1%</td>
</tr>
<tr>
<td>School Average Daily % ILI Absent</td>
<td>1.7%</td>
<td>1.9%</td>
<td>Thanksgiving Holiday</td>
<td>***</td>
</tr>
<tr>
<td>School Average % ILI seen in nurse’s office</td>
<td>2.7%</td>
<td>2.6%</td>
<td>Thanksgiving Holiday</td>
<td>***</td>
</tr>
</tbody>
</table>

NOTE: Tarrant County absenteeism and student ILI is collected from 17 school districts located within Tarrant County. For week 47, due to various school closures for the Thanksgiving Holiday, no information is presented.

***Baseline percentage for absenteeism due to ILI and proportion of school nurses office visits due to ILI not yet established.
NOTE:

Influenza-like Illness (ILI) is defined as fever (temperature ≥ 100°F) plus a cough OR a sore throat, in the absence of a known cause other than influenza.

Tarrant County reporting quadrants consist of Northwest, Northeast, Southwest and Southeast regions within the boundaries of Interstate 35 and Interstate 30.

Regional ILI baselines are determined by the Centers for Disease Control and Prevention and can be accessed at http://www.cdc.gov/flu/weekly/fluactivity.htm#SGSI

Absenteeism baseline is the average weekly absenteeism experienced during April-May during the 2006-2007 and 2007-2008 school years. Some data points may be excluded due to holidays and inclement weather.

Additional information regarding Tarrant County and statewide activity codes can be accessed at www.tarrantcounty.com/flu and http://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/2011/