Influenza Surveillance Report
Week 10: Mar 4th – Mar 10th, 2012

I. Influenza Summary to Date
Influenza surveillance for suburban Cook County** involves the weekly collection of data from a sample of hospitals, private physician’s offices, and laboratory data. The current level of influenza activity is as expected for this time of year. Our sentinel participants reported the following aggregate measure: Syndromic Surveillance: 2.70% ILI¹, Sentinel Sites: 5.76% ILI². Forty-two specimens (34.15%) tested by participating laboratories were positive for influenza (26 influenza A and 16 influenza B). Since Week 35 (08/28/2011), suburban Cook County has had 15 cases of influenza-associated intensive care unit (ICU) hospitalizations. During week 10, four ICU hospitalizations due to influenza infection were reported to CCDPH. Thank you to all of our surveillance partners for their help in collecting this information.

II. Syndromic Surveillance Data¹

III. Syndromic Surveillance by Age Group Data¹
IV. Sentinel Provider Data

- Baseline
- 2008 - 2009
- 2009 - 2010
- 2010 - 2011
- 2011 - 2012

V. Laboratory Surveillance Data

- Week Number
- % of Visits for ILI
- Number of Positive Specimens
- % Positive Specimens

VI. ICU Hospitalization Data

<table>
<thead>
<tr>
<th>Hospitalized Case Counts</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cases</td>
<td>15</td>
</tr>
<tr>
<td>Incidence by Age</td>
<td></td>
</tr>
<tr>
<td>0-4</td>
<td>3</td>
</tr>
<tr>
<td>5-24</td>
<td>1</td>
</tr>
<tr>
<td>25-49</td>
<td>2</td>
</tr>
<tr>
<td>50-64</td>
<td>2</td>
</tr>
<tr>
<td>65+</td>
<td>7</td>
</tr>
<tr>
<td>Incidence by Region</td>
<td></td>
</tr>
<tr>
<td>North</td>
<td>4</td>
</tr>
<tr>
<td>West</td>
<td>6</td>
</tr>
<tr>
<td>Southwest</td>
<td>2</td>
</tr>
<tr>
<td>South</td>
<td>3</td>
</tr>
</tbody>
</table>
VII. Regional Data

- Cook
- Chicago
- DuPage
- Winnebago
- All 2011-12
- All 2010-11

% of Visits for ILI

<table>
<thead>
<tr>
<th>Week Number</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
</tr>
</thead>
<tbody>
<tr>
<td>35, 36, 37, 38, 39</td>
<td>40, 41, 42, 43</td>
<td>44, 45, 46, 47</td>
<td>48, 49, 50, 51, 52</td>
<td>1, 2, 3, 4</td>
<td>5, 6, 7, 8</td>
<td>9, 10, 11, 12, 13</td>
<td>14, 15, 16, 17</td>
<td>18, 19, 20</td>
<td></td>
</tr>
</tbody>
</table>

VIII. United States Data†

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists

Week Ending March 10, 2012 - Week 10


1. Syndromic surveillance influenza-like-illness (ILI) syndrome is defined as a symptom complex fever and cough or sore throat from ESSENCE. 32 hospital EDs participate in ESSENCE. ILI = # of ED visits for ILI / total # of ED visits.
2. ILI is defined as fever ≥ 100°F, cough and/or sore throat in the absence of a known cause other than influenza. 5 hospital EDs and 8 physician offices are participating CDC sentinel sites.
3. Laboratory surveillance includes viral culture, RT-PCR, and the rapid antigen test. Not all cases are suburban Cook County Residents.
4. Hospitalization and death data are only for suburban Cook County Residents (excludes Evanston, Skokie, Oak Park, and Stickney). Data includes reported cases for the presented week.

† No activity: no laboratory confirmed cases of influenza and no reported increase in cases of ILI.
Sporadic: small number of laboratory confirmed influenza cases or a single laboratory confirmed influenza in a single region of the state.
Local: Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in a single region of the state.
Regional: Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the region of the state.
Widespread: Outbreaks of influenza or increases in ILI cases and recent laboratory confirmed influenza in at least half the region in the state.