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 risk for influenza infection is currently high. Our sentinel participants reported the following aggregate measures: Syndromic Surveillance: 1.95% ILI\(^1\), Sentinel Sites: 3.33% ILI\(^2\). 16.88% of tested specimens were positive for influenza (97 influenza A unknown subtype [subtyping not performed], 21 influenza A H1N1). Since Week 35 (8/25/2013), suburban Cook County has had 128 cases of influenza-associated intensive care unit (ICU) hospitalizations. During week 3, 11 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 Data\(^1\)

III. Syndromic Surveillance by Age Group Data\(^1\)
IV. Sentinel Provider Data

- Baseline
- 2010 - 2011
- 2011 - 2012
- 2012 - 2013
- 2013 - 2014

% of Visits for ILI

Week Number

V. Laboratory Surveillance Data

Number of Positive Specimens

- A (unknown subtype)
- A H3N2
- A H1N1
- B

- Percent Positive

Week Number

VI. ICU Hospitalization Data

<table>
<thead>
<tr>
<th>Hospitalized Case Counts</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cases</td>
<td>128</td>
</tr>
</tbody>
</table>

Incidence by Age

<table>
<thead>
<tr>
<th>Age Group</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>5</td>
</tr>
<tr>
<td>5-24</td>
<td>10</td>
</tr>
<tr>
<td>25-49</td>
<td>17</td>
</tr>
<tr>
<td>50-64</td>
<td>43</td>
</tr>
<tr>
<td>65+</td>
<td>45</td>
</tr>
<tr>
<td>Unknown</td>
<td>7</td>
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</table>

Incidence by Region

<table>
<thead>
<tr>
<th>Region</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>42</td>
</tr>
<tr>
<td>West</td>
<td>25</td>
</tr>
<tr>
<td>Southwest</td>
<td>17</td>
</tr>
<tr>
<td>South</td>
<td>43</td>
</tr>
</tbody>
</table>
**VII. Regional Data**

- **Cook**
- **Chicago**
- **DuPage**
- **All 2012-13**
- **All 2013-14**

**VIII. United States Data†**

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet

*2013-14 Influenza Season Week 3 ending Jan 18, 2014*

(All data are preliminary and may change as more reports are received.)


1. Syndromic surveillance influenza-like-illness (ILI) syndrome is defined as a symptom complex fever and cough or sore throat from ESSENCE. 45 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. 8 hospital EDs and 3 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. Participating laboratories: IDPH, NSUHS, and ACL.
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.

† This map uses the proportion of outpatient visits to health care providers for influenza-like illness to measure the ILI activity level within a state.