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. Influenza-like illness (ILI) is currently increasing. Our sentinel participants reported the following aggregate measures: Syndromic Surveillance: 2.27% ILI¹, Sentinel Sites: 3.58% ILI². Seventy eight (78) specimens tested by participating laboratories were positive for influenza. Since Week 35 (8/26/2012), suburban Cook County has had ten cases of influenza-associated intensive care unit (ICU) hospitalizations. During week 49, three ICU hospitalizations due to influenza infection were reported to CCDPH. During this period, three suburban Cook County schools reported increased student absenteeism due to ILI. Thanks 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

![Graph showing % of Visits for ILI by Week Number for different years: Baseline, 2009-2010, 2010-2011, 2011-2012, 2012-2013.]

V. Laboratory Surveillance Data

![Graph showing Number of Positive Specimens by Week Number for different types: A (Unsubtyped), A H3N2, A H1N1, B.]

VI. ICU Hospitalization Data

<table>
<thead>
<tr>
<th>Hospitalized Case Counts</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>Total Cases</td>
<td>10</td>
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<tr>
<td>Incidence by Age</td>
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<td>0-4</td>
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<tr>
<td>5-24</td>
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<tr>
<td>25-49</td>
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<tr>
<td>50-64</td>
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<td>65+</td>
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<td>Incidence by Region</td>
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<td>North</td>
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<td>West</td>
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</tr>
<tr>
<td>Southwest</td>
<td>4</td>
</tr>
<tr>
<td>South</td>
<td>2</td>
</tr>
</tbody>
</table>
VII. Regional Data

- **Cook**
- **Chicago**
- **DuPage**
- **Winnebago**
- **All 2012-13**
- **All 2011-12**

![Graph showing the percentage of visits for Influenza-Like Illness (ILI) over time](image)

Week Number

1. Syndromic surveillance influenza-like-illness (ILI) syndrome is defined as a symptom complex of 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 $\geq 100^\circ F$, 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. 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.

VIII. United States Data†

![Map showing influenza activity across the United States](image)

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


1. **No activity**: no laboratory confirmed cases of influenza and no reported increase in cases of ILI.
2. **Sporadic**: small number of laboratory confirmed influenza cases or a single laboratory confirmed influenza in a single region of the state.
3. **Local**: Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in a single region of the state.
4. **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.
5. **Widespread**: Outbreaks of influenza or increases in ILI cases and recent laboratory confirmed influenza in at least half the region in the state.

† No activity: no laboratory confirmed cases of influenza and no reported increase in cases of ILI.