Influenza Surveillance Summary

Week 6: February 5, 2017 – February 11, 2017

Influenza surveillance for Kane County Health Department includes the collection of data from hospital emergency rooms, laboratories, and public schools. Our participants have reported the following aggregate measures:

- Among five reporting hospital emergency rooms, 8.6% of visits were for influenza-like illness (ILI).

- During Week 6, labs reported that 435 of 1,225 (35.5%) of specimens tested for influenza were positive. Of these 435 specimens:
  - 286 (65.7%) were positive for Influenza A
  - 145 (33.3%) were positive for Influenza B
  - 4 (0.9%) were positive for Influenza AB

  No other specimen tested positive for the week ending February 11, 2017.

- The ILI absenteeism rate for public schools in Kane County was 0.53%. No public school was closed due to increased ILI activity.

- As of the week ending February 11, there have been 6 cases of influenza-related ICU admissions reported to the health department. No influenza-associated pediatric deaths were reported.

- To date, no outbreaks of influenza have been reported in Long-Term Care/Assisted Living facilities in Kane County.

The health department would like to thank the participating hospitals, laboratories, individual schools, and school districts that provide the data that make this monitoring possible.

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2Rapid influenza testing cannot distinguish influenza infections caused by novel influenza A viruses. The sensitivity of this type of testing has been shown to range between 20-100% for seasonal influenza viruses. A negative result does not exclude influenza virus infection.

*Data are provisional
During Week 6, 8.6% of reported hospital emergency room visits was for influenza-like illness (ILI).¹

Each week, data for the 2016-17 season will be presented with data from the previous flu seasons to show the trend of ER visits for ILI over time.

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Kane County Health Department Influenza-Like-Illness Surveillance:
Percent of ILI Visits by Age
Participating Emergency Rooms: N=5

Visits for influenza-like illness to reporting emergency rooms during Week 6 had the following age distribution:

- 0-4 years: 24.8% of all ILI visits
- 5-24 years: 45.6% of all ILI visits
- 25-64 years: 22.1% of all ILI visits
- 65+ years: 7.5% of all ILI visits

Throughout the season, KCHD will provide updated information on the total number of people visiting the emergency room for ILI, and what age groups make up those visits. This week, 8.6% of all visits to reporting emergency rooms were for ILI.

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**Kane County Health Department Influenza-Like Illness Surveillance:**

**Rapid Influenza Tests**

**Participating Laboratories: N=6**

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<table>
<thead>
<tr>
<th>Kane County Labs (6)</th>
<th>Week: 6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
</tr>
<tr>
<td>Specimens Tested</td>
<td>1,225</td>
</tr>
<tr>
<td>Specimens Positive</td>
<td>435</td>
</tr>
</tbody>
</table>

**Positive Specimens by Type**

<table>
<thead>
<tr>
<th></th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A</td>
<td>286</td>
<td>65.7%</td>
</tr>
<tr>
<td>Influenza B</td>
<td>145</td>
<td>33.3%</td>
</tr>
<tr>
<td>Influenza AB</td>
<td>4</td>
<td>0.9%</td>
</tr>
<tr>
<td>Unknown</td>
<td>0</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

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**No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of ILI.

**Sporadic:** Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.

**Local:** Outbreaks of influenza or increases in ILI cases 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 regions of the state with recent laboratory evidence of influenza in those regions.

**Widespread:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least half the regions of the state with recent laboratory evidence of influenza in the state.

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