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<http://kanehealth.com/flu.htm>

Weekly Influenza Surveillance Summary

WEEK 16: April 14- April 20, 2019

April 26, 2019

Overview

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, 2.8% of visits were for influenza-like illness (ILI).¹
- During Week 16, 6 labs reported that 70 of 394 (17.8%) specimens tested for influenza were positive.² Of these 70 specimens:
 - 56 (80.0%) were positive for Influenza A
 - 14 (20.0%) were positive for Influenza B

No other specimen tested positive for the week ending on April 20, 2019.

- The ILI absenteeism rate for public schools in Kane County was 0.21%. No public school was closed due to increased ILI activity.
- As of the week ending April 20, there were 54 influenza-related ICU admissions reported to the health department. One influenza-associated pediatric death has been reported.
- To date, 5 outbreaks of influenza have been reported in Long-Term Care/Assisted Living facilities in Kane County.

¹Influenza-like illness (ILI) is defined as fever > 100°F with cough or sore throat without other known cause

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.

*All data are provisional

Emergency Room Visits

During Week 16, 2.8% of reported hospital emergency room visits were for influenza-like illness (ILI).¹

Each week, data for the 2018-19 season will be presented with data from the previous flu seasons to show the trend of ER visits for ILI over time.

Visits for influenza-like illness to reporting emergency rooms during Week 16 had the following age distribution:

- 0-4 years: 27.2% of all ILI visits
- 5-24 years: 34.4% of all ILI visits
- 25-64 years: 25.6% of all ILI visits
- 65+ years: 12.8% of all ILI visits

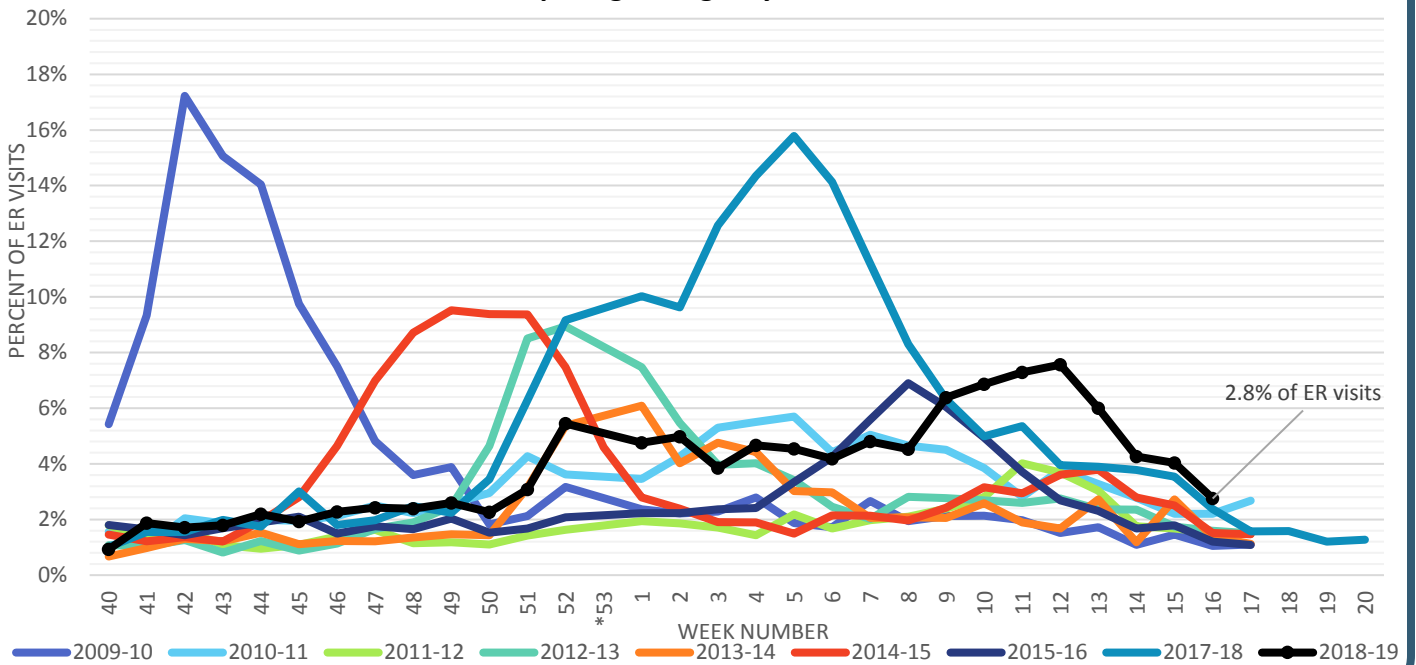
Throughout the season, KCHD will provide updated information on the total number of people visiting the emergency room for ILI, and what age groups make up those visits.

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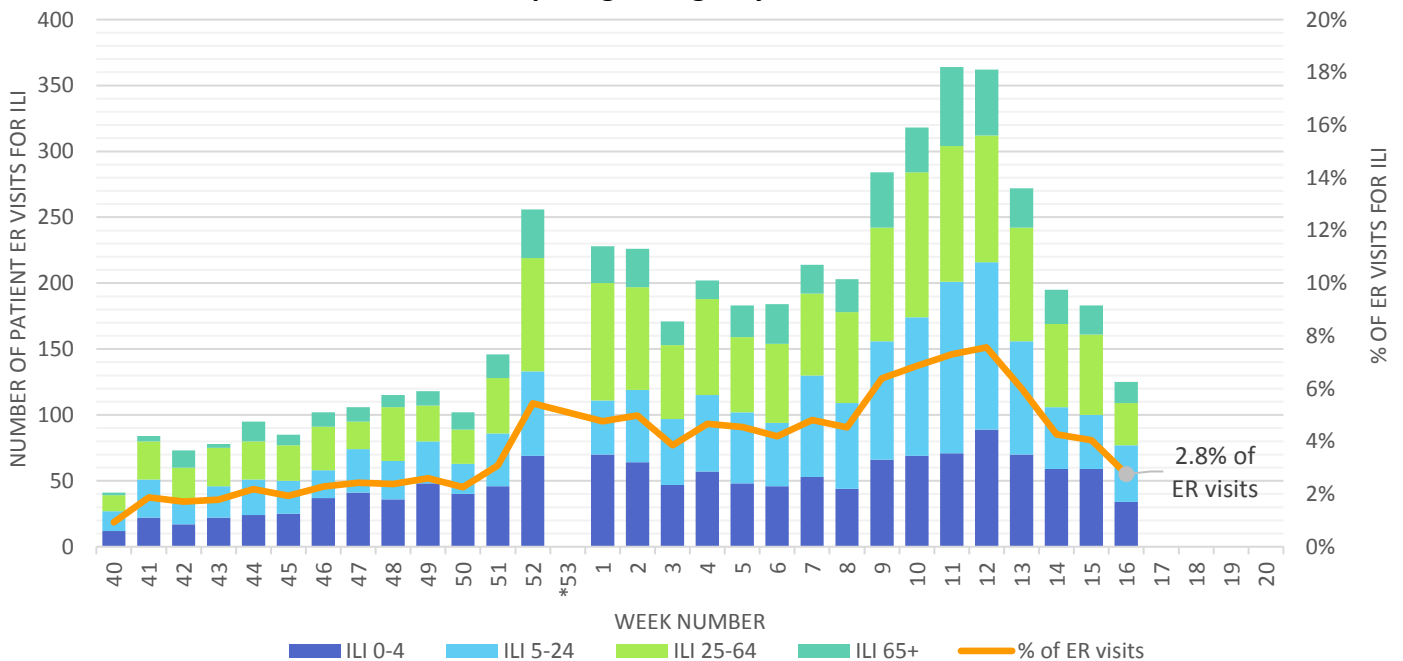
Kane County Health Department Influenza-Like-Illness Surveillance: Emergency Room Visits

Participating Emergency Rooms: N=5



Kane County Health Department Influenza-Like-Illness Surveillance: Percent of ILI Visits by Age

Participating Emergency Rooms: N=5

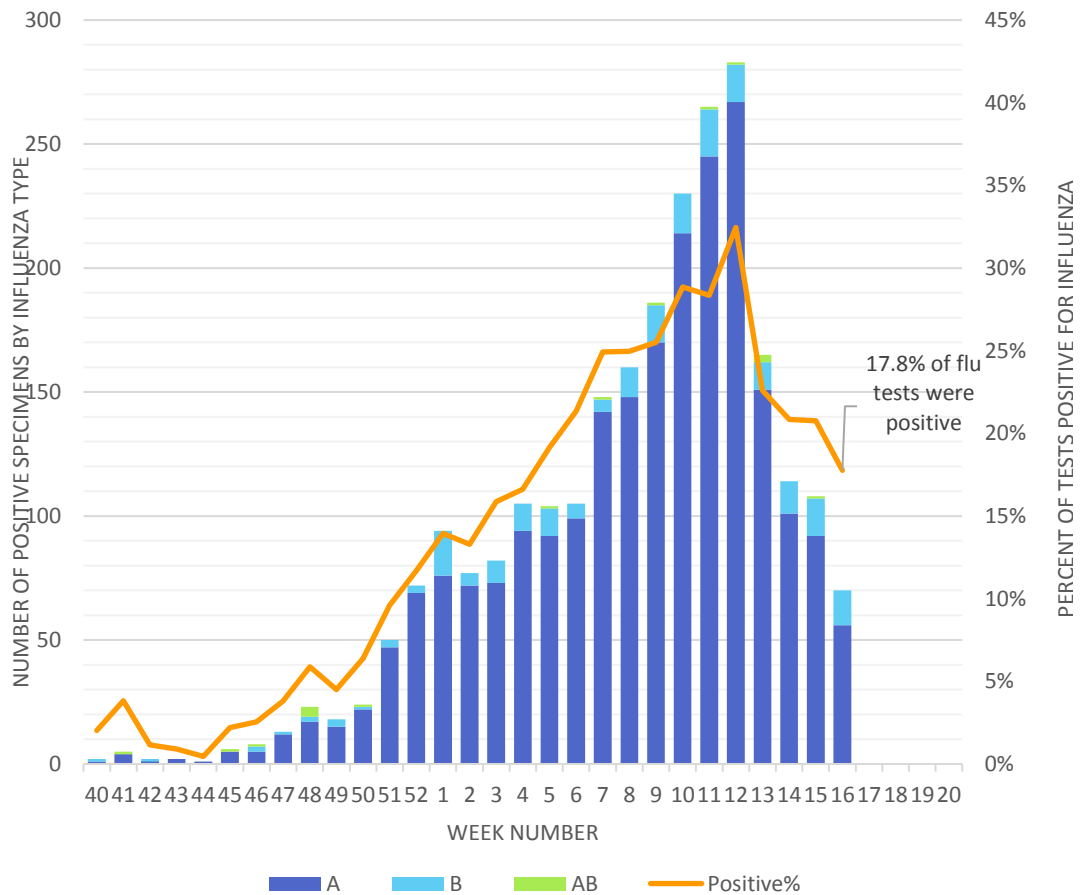


Laboratory Tests

| Kane County Labs (6) | Week: 16 | | Season Total | |
|----------------------------|----------|---------|--------------|---------|
| | Number | Percent | Number | Percent |
| Specimens Tested | 394 | | 14270 | |
| Specimens Positive | 70 | 17.8% | 2522 | 17.7% |
| Positive Specimens by Type | | | | |
| Influenza A | 56 | 80.0% | 2293 | 90.9% |
| Influenza B | 14 | 20.0% | 212 | 8.4% |
| Influenza AB | 0 | 0.0% | 17 | 0.7% |
| Unknown | 0 | 0.0% | 0 | 0.0% |

Kane County Health Department Influenza-Like-Illness Surveillance: Rapid Influenza Tests

Participating Laboratories: N=6

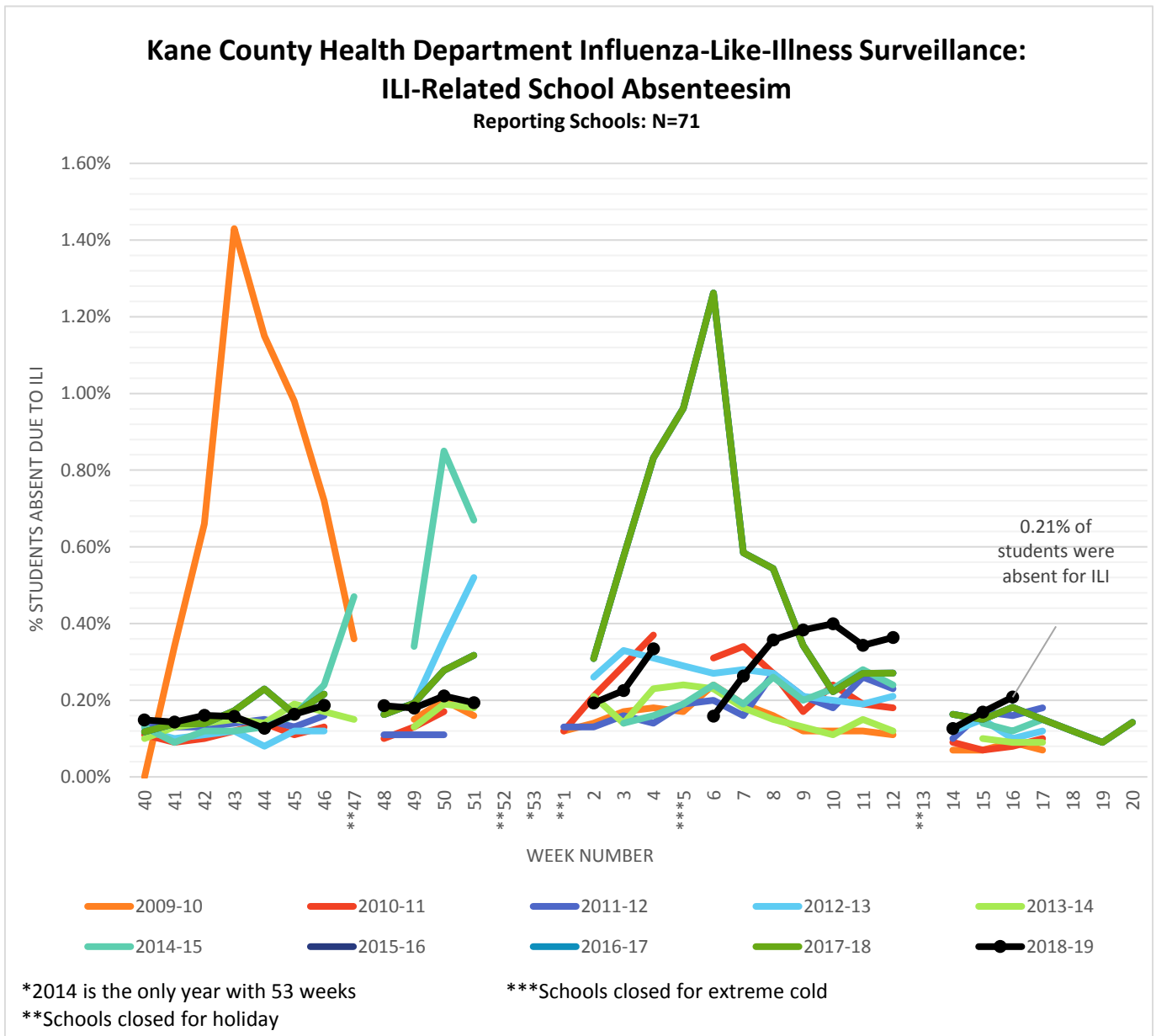


Rapid influenza testing cannot distinguish influenza infections caused by novel influenza A viruses. The sensitivity of this type of testing has been shown to range between 20-100% for seasonal influenza viruses. A negative result does not exclude influenza virus infection.

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Student Absenteeism

The ILI absenteeism rate for public schools in Kane County was 0.21%. No public school was closed due to increased ILI activity.



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