

Week 43: October 23-29, 2011

ILLINOIS DEPARTMENT OF PUBLIC HEALTH



# Illinois Influenza Surveillance Report

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Week 43: Week Ending Saturday, October 29, 2011

Division of Infectious Diseases Immunizations Section

11/4/2011

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## Summary

- During CDC Week 43, the proportion of outpatient visits for influenza-like illness (ILI)<sup>1</sup> was 1.5% compared with 1.8% for week 42.
- The risk of illness due to influenza viruses is low. Numerous respiratory viruses can cause ILI, and these viruses are now more prevalent than influenza viruses.<sup>i</sup>
- Based on CDC criteria, influenza activity is classified as **no activity** (see CDC FLU View Section) for week 43. This represents no change from the previous week.
- Febrile Respiratory Illness (FRI) surveillance<sup>2</sup> at Naval Recruit Training Command, Great Lakes for this week is **moderately elevated**.
- During week 43, none of the specimens tested by Illinois Department of Public Health Laboratory were positive for influenza A or B.
- No influenza-associated Intensive Care Unit (ICU) admissions were reported for week 43.
- No influenza-associated pediatric deaths were reported for week 43.

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<sup>1</sup> ILI "Influenza like Illness" is defined as fever  $\geq$  100°F and cough and/or sore throat.

<sup>2</sup> FRI surveillance is ongoing at 8 U.S. military basic training centers, representing all service branches. FRI Rate Status is classified into one of 3 categories:

1. At or below expected value (expected value shown as dashed line)
2. Moderately elevated
3. Substantially elevated

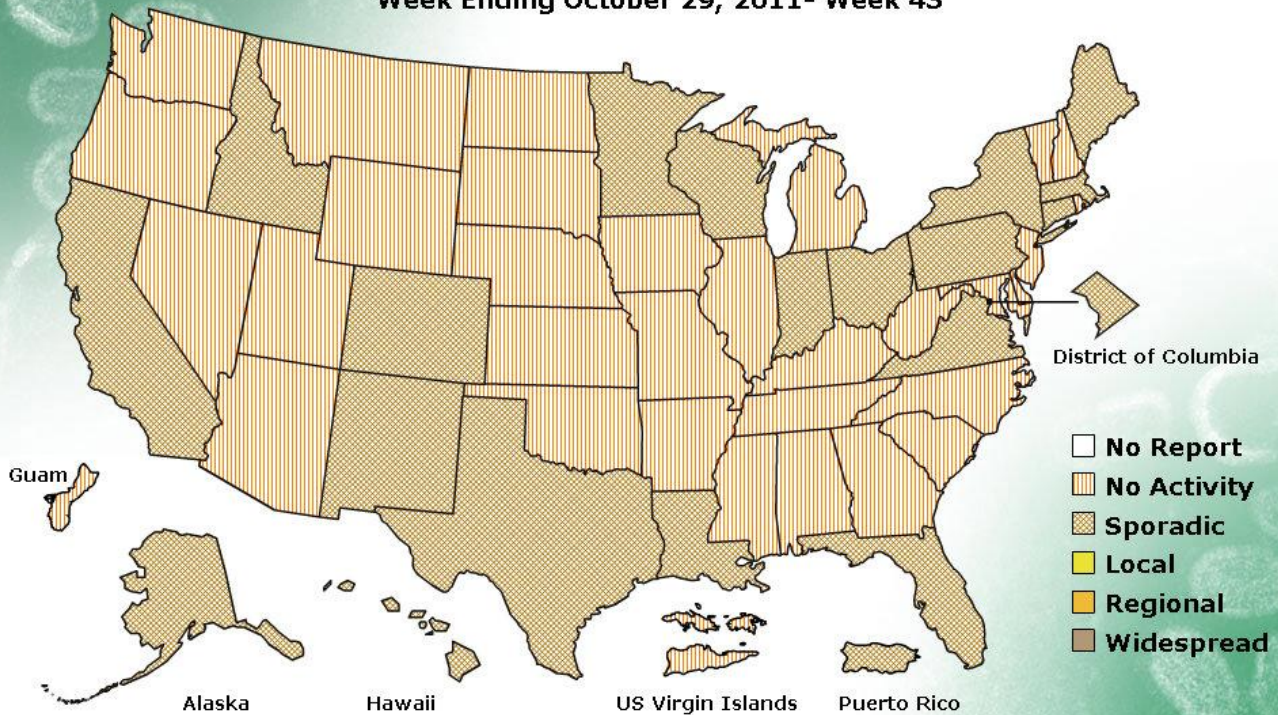
CDC Flu View

# FLUVIEW



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

Week Ending October 29, 2011- Week 43



\*This map indicates geographic spread and does not measure the severity of influenza activity.

**No activity:** No laboratory confirmed cases of influenza and no reported increase in cases of influenza like illness (ILI).

**Sporadic:** Small numbers 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.

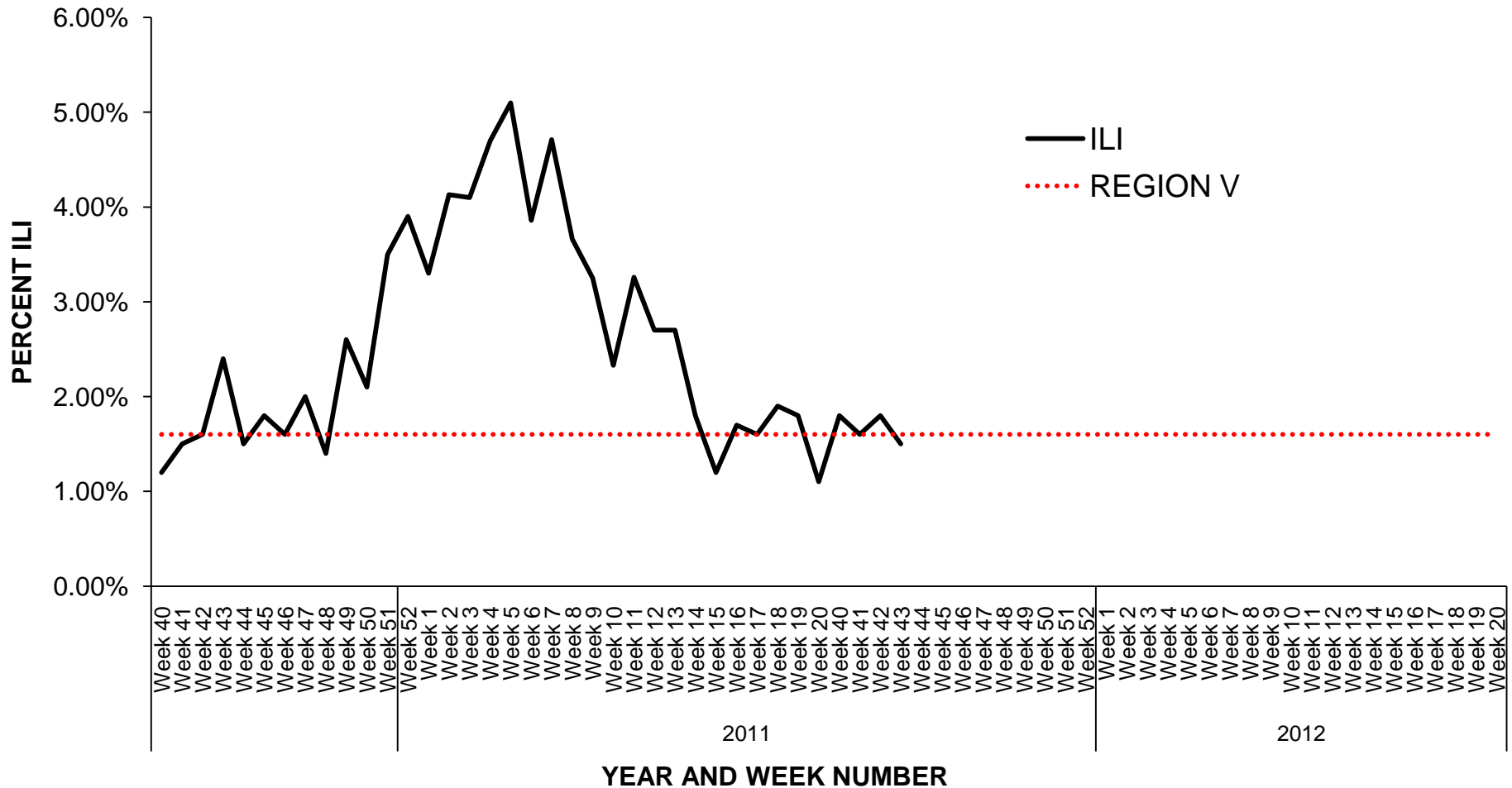
**Regional:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state.

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

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**ILI Net Provider Surveillance**

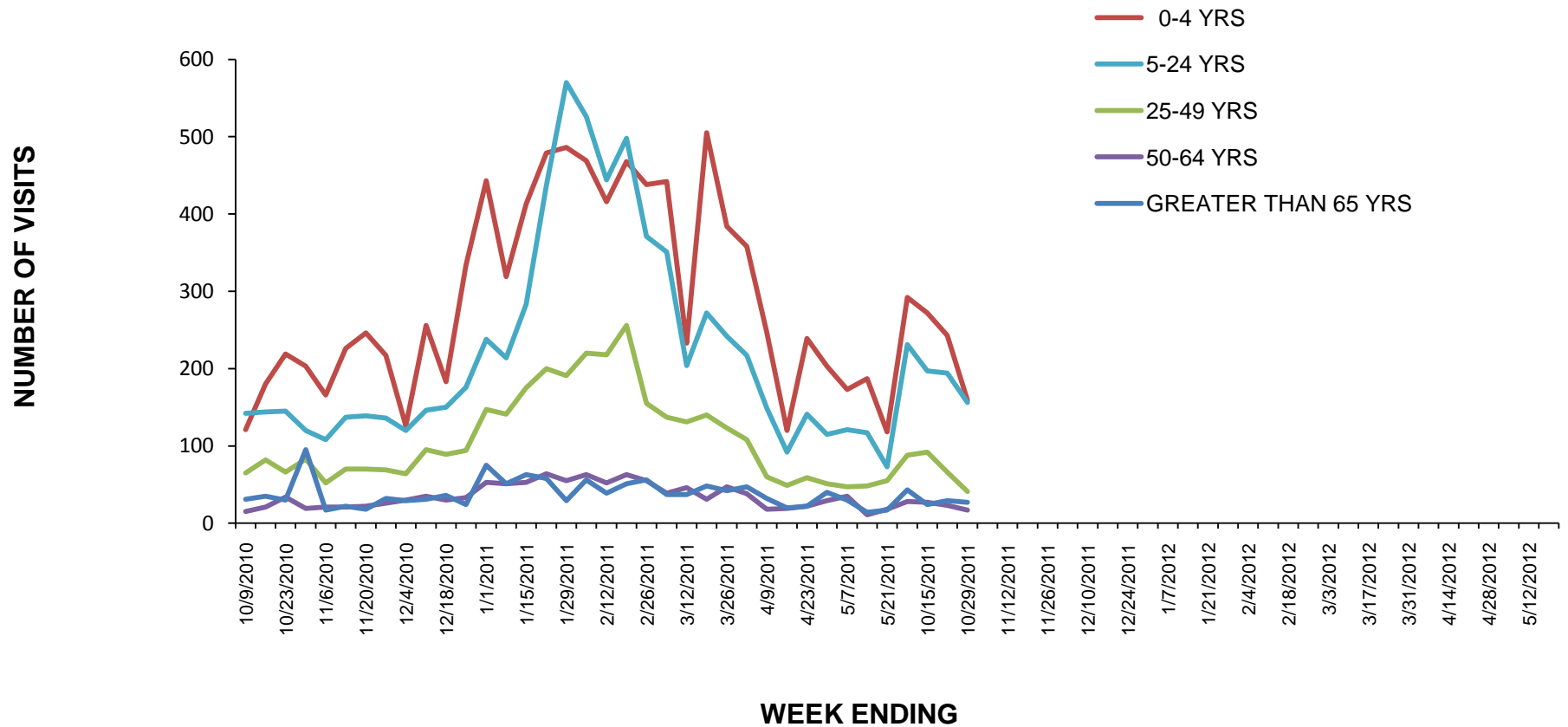
***Influenza Like Illness Outpatient Surveillance 2010-2012***



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**ILI Visits by Age Group**

**2010 -12 INFLUENZA SEASON PROPORTION OF ILI OFFICE VISITS  
BY AGE GROUP**



### **Great Lakes Naval Recruit Influenza Surveillance**

Febrile Respiratory Illness (FRI) surveillance<sup>3</sup> at Naval Recruit Training Command, Great Lakes **moderately elevated** for week ending October 29, 2011. For more information visit <http://www.med.navy.mil/sites/nhrc/geis/Pages/default.aspx>

### **Influenza Intensive Care Unit Admissions and Deaths**

There were no influenza related ICU admission or deaths for week ending October 29, 2011.

Week No	Admissions No	Deaths
40	1	0
41	0	0
42	0	0
43	0	0

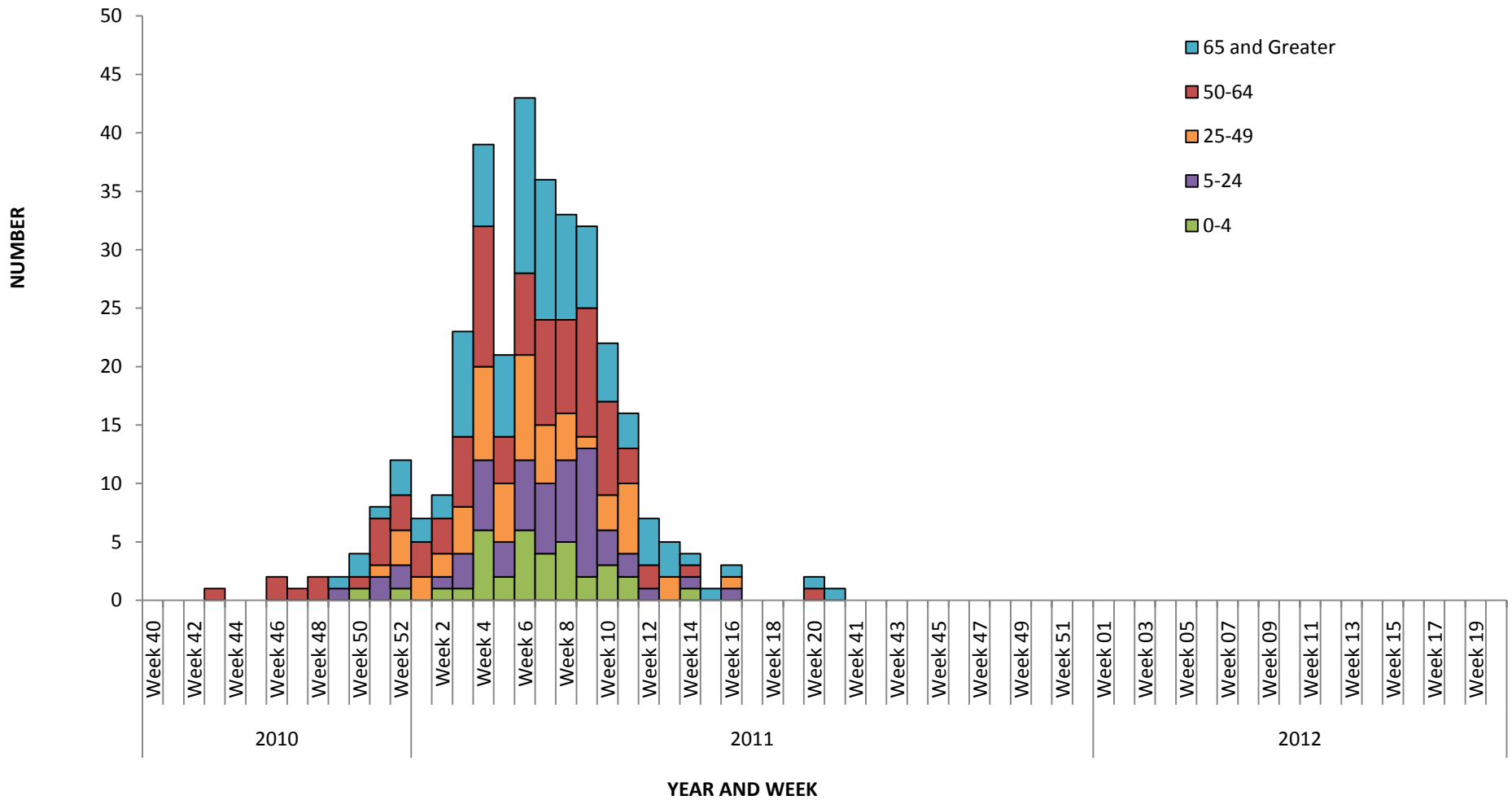
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<sup>3</sup> FRI surveillance is ongoing at 8 U.S. military basic training centers, representing all service branches. FRI Rate Status is classified into one of 3 categories:

4. At or below expected value (expected value shown as dashed line)
5. Moderately elevated
6. Substantially elevated

**Influenza Related ICU Admissions by Age Group**

**Influenza-Associated Intensive Care Unit Admissions by Age Group 2010-2012**





**Laboratory Surveillance**

During week 43, eight specimens were tested by Illinois WHO/NREVSS<sup>4</sup> collaborating laboratories in Illinois. This represents a slight decrease in testing from last week when ten specimens were collected and tested. There has been no specimen which tested positive for influenza thus far this season.

Week	No of Labs Reporting	A (H1)	2009(A)H1N1	A (H3)	A(Unable to subtype)	A(Sub typing not performed)	B	Total # Tested	% Positive
40	1	0	0	0	0	0	0	2	0
41	1	0	0	0	0	0	0	0	0
42	1	0	0	0	0	0	0	10	0
43	1	0	0	0	0	0	0	8	0

**Viral Resistance**

No data available

**Influenza Outbreaks Reported in Long-Term Facilities and Nursing Homes**

There were no outbreaks reported in long-term care facilities for week 43.

DuPage County ILI Update:

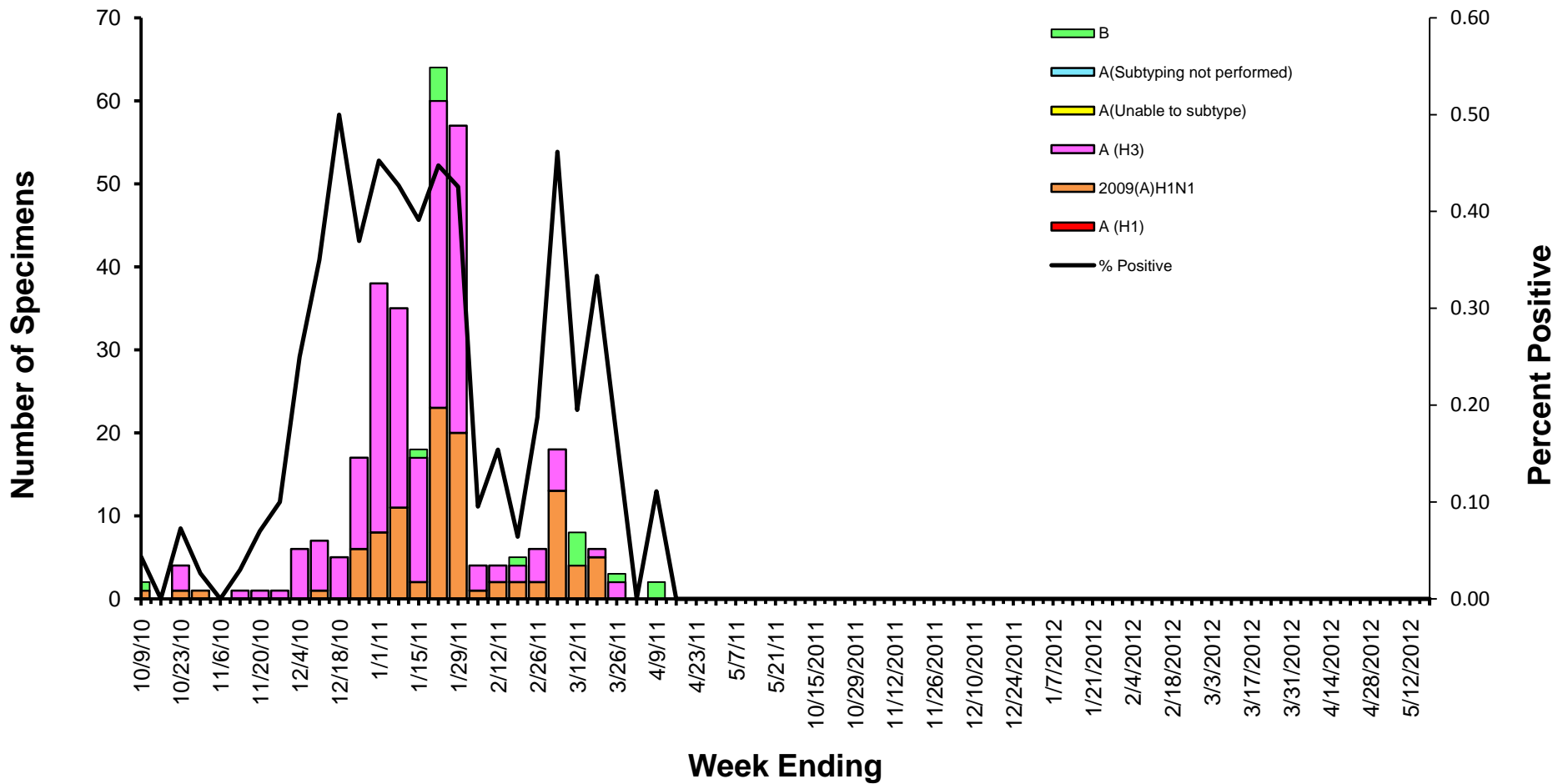
On October 19, 2011 a suspected influenza like illness (ILI) outbreak in a DuPage County elementary school was reported to IDPH. Increased absenteeism was reported in one of the first grade classrooms with peak absenteeism in 11 of 28 (39%) students ill on October 6. A total of 32 of 696 (5%) students at the school in multiple classrooms were associated with the cluster, and absenteeism is currently at baseline levels. There were no reported cases of hospitalization or staff illness, and surveillance is ongoing.

<sup>4</sup> WHO/NREVSS Collaborating Laboratories WHO/NREVSS Collaborating Laboratories: For **viral surveillance** - About 80 U.S. World Health Organization (WHO) Collaborating Laboratories and 70 National Respiratory and Enteric Virus Surveillance System (NREVSS), located throughout the United States report daily or weekly the results of their testing.

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**Weekly Viral Subtype**

**Influenza Isolates from Illinois Reported by WHO/NREVSS Collaborating Laboratories 2010-2012**



## **Resources**

- Centers for Disease Control and Prevention Influenza Website:  
<http://www.cdc.gov/flu/weekly/fluactivity.htm>
- Immunization Action Coalition Website: <http://immunize.org/>
- IDPH Website <http://www.idph.state.il.us/flu/surveillance.htm>
- ACL Clinical Laboratory Respiratory Panel  
<http://www.acllaboratories.com/admin/upload-area/files/2010%20Infectious%20Disease/1%20RVP%20Jun27%20-%20Oct%2016.pdf>
- St Louis Children's Hospital Clinical Laboratory Respiratory Panel  
<http://www.stlouischildrens.org/content/ClinicalLaboratories.htm>

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<sup>i</sup> For more information regarding circulating respiratory viruses, see

a. <http://www.cdc.gov/surveillance/nrevss/rsv/state.html>

b. <http://www.acllaboratories.com/>

c. [www.stlouischildrens.org/content/ClinicalLaboratories.htm](http://www.stlouischildrens.org/content/ClinicalLaboratories.htm)