

Week 40: October 3 – 9, 2010

ILLINOIS DEPARTMENT OF PUBLIC HEALTH



Illinois Influenza Surveillance Report

Week 40: Week Ending Saturday, October 9, 2010

Division of Infectious Diseases Immunizations Section
10/15/2010

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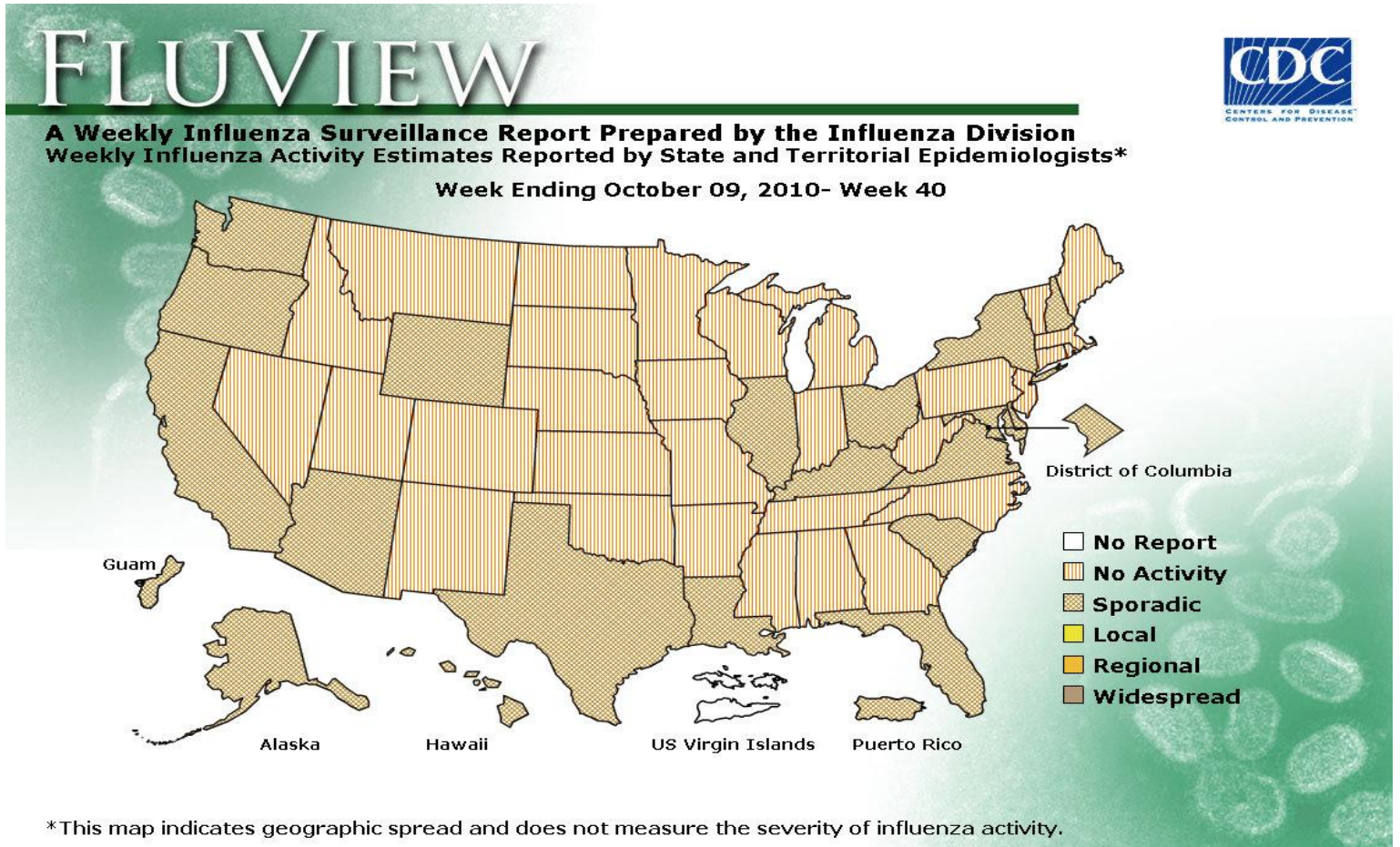
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Summary

- During CDC Week 40, the proportion of outpatient visits for influenza-like illness (ILI)¹ was 1.34%.
- 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.ⁱ
- Based on CDC criteria; influenza activity is classified as **sporadic** (see CDC FLU View Section).
- During week 40, 11% (2/18) specimens tested by Illinois Department of Public Health laboratory tested positive for influenza. One was 2009 Influenza A H1N1, and the other was Influenza B.
- No influenza-associated pediatric deaths were reported.
- No Influenza related ICU admissions and deaths

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

CDC Flu View



*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.

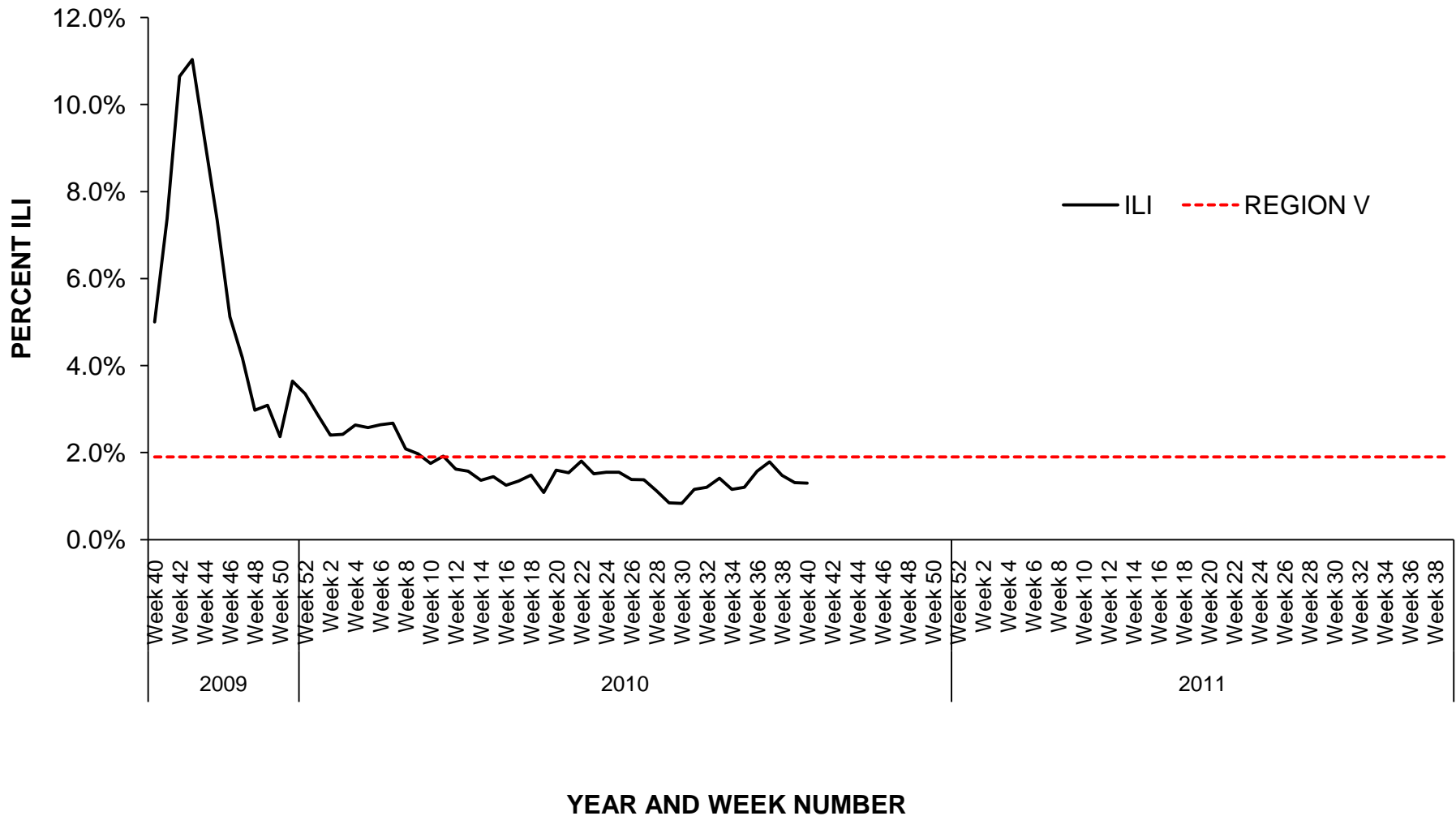
Regional: Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state.

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

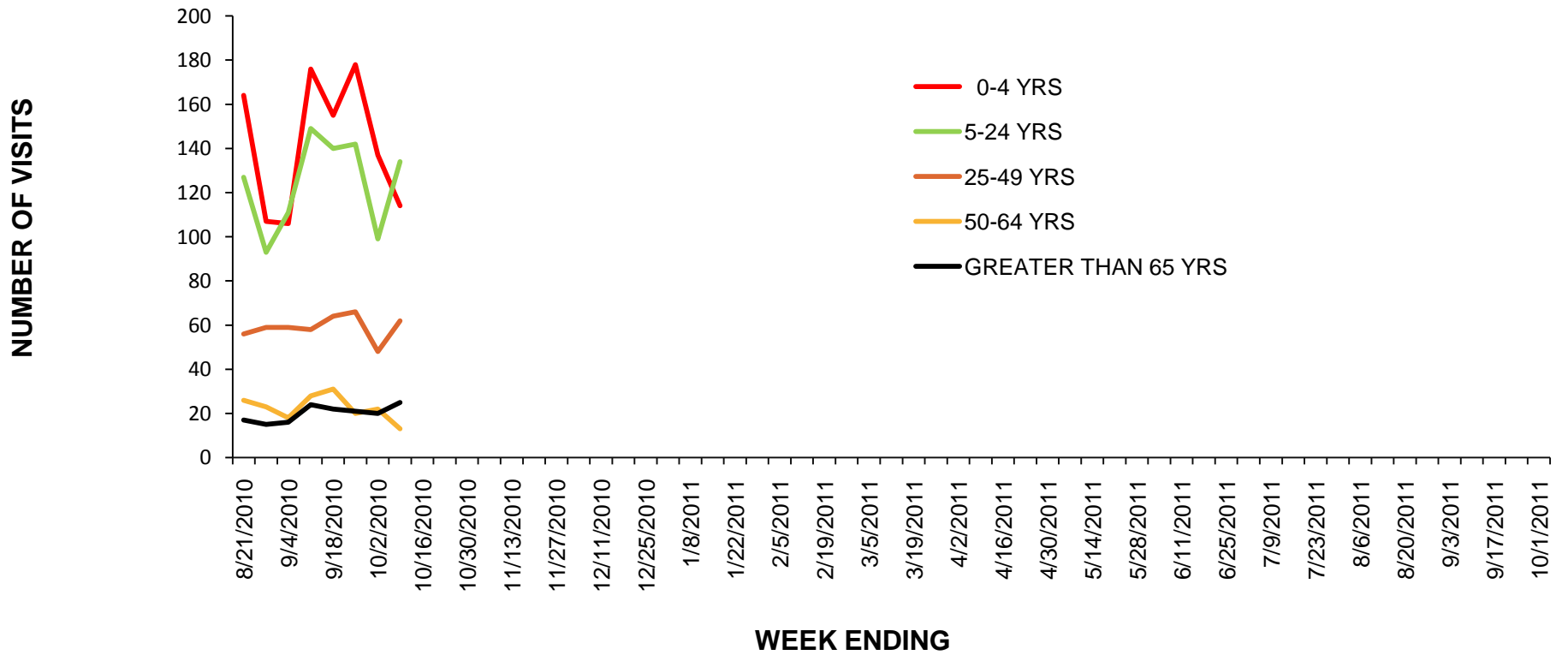
Influenza Like Illness Outpatient Surveillance 2009-2011



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ILI Visits by Age Group

**2010 -11 INFLUENZA SEASON PROPORTION OF ILI OFFICE VISITS
BY AGE GROUP**



Great Lakes Naval Recruit Influenza Surveillance

FRI surveillance² at Naval Recruit Training Command, Great Lakes for this week is **At or below expected value**. 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 admissions and deaths week ending October 9, 2010.

Laboratory Surveillance

During week 40, 2 (11%) specimens tested by Illinois WHO/NREVSS³ collaborating laboratories in Illinois tested positive for influenza. 1(50%) of all sub typed influenza viruses were 2009 influenza A (H1N1) viruses, and 1(50%) was Influenza B.

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	1	0	0	0	1	18	11

Viral Resistance

No data available

² 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:

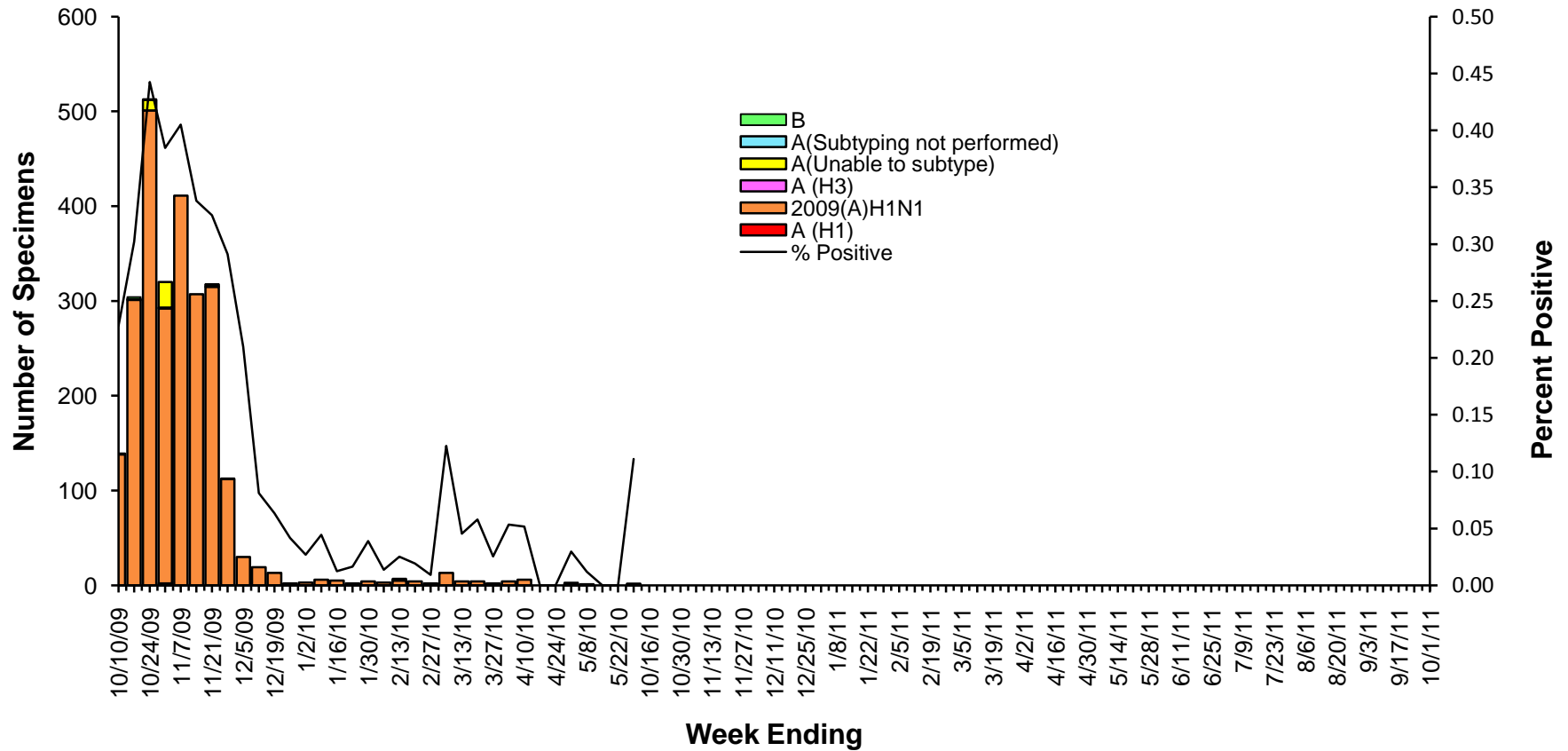
1. At or below expected value (expected value shown as dashed line)
2. Moderately elevated
3. Substantially elevated

³ 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 and Sentinel Laboratories
2009-11 Season**



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>

¹ 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