Division of Acute Disease Prevention and Emergency Response
Center for Acute Disease Epidemiology

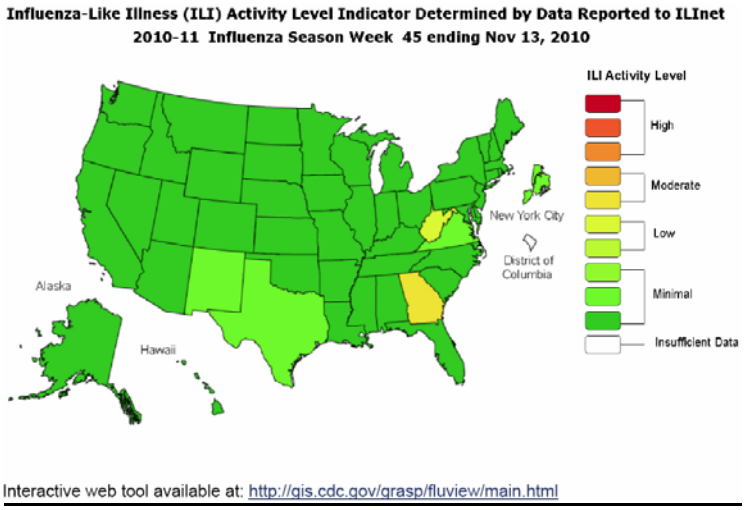
Iowa Influenza Surveillance Network (IISN)

Influenza-like Illness (ILI) and Other Respiratory Viruses
Weekly Activity Report
For the week ending November 13, 2010, Week 45

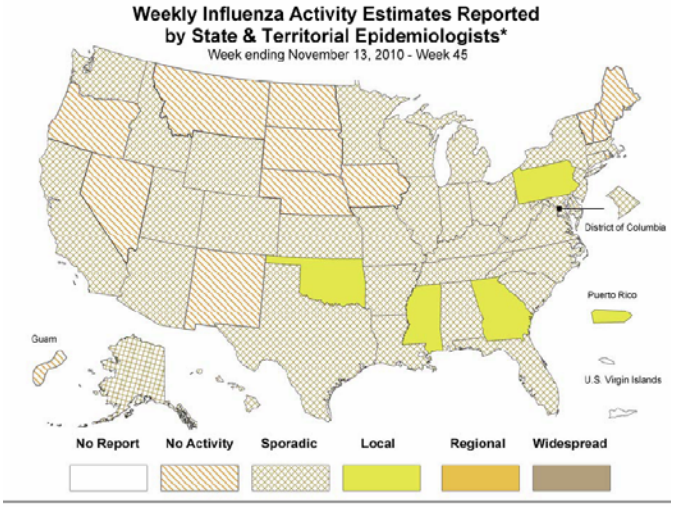
Quick Stats for this reporting week[1]

Iowa activity level:	No Activity
Percent of outpatient visits for ILI	0.3% (threshold 2.1%)
Percent of influenza rapid test positive*	1.0%
Percent of RSV rapid tests positive*	4.9%
Percent school absence due to illness	2.6%
Number of schools with ≥10% absence due to illness	0
Influenza-associated hospitalizations**	2 of 1364 inpatients surveyed

** Percent is based on three-week moving average*
*** Hospitalizations due to influenza are voluntarily reported through a weekly survey of 21 Iowa hospitals.*



*This map uses the proportion of outpatient visits to health care providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state.



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

Iowa Statewide Activity Summary

Influenza activity remains low in Iowa. The proportion of outpatient visits for influenza-like illness (ILI) was 0.3%, which is below the threshold of 2.1%. Other respiratory viruses recently identified in Iowa include respiratory syncytial virus (RSV), parainfluenza 2, parainfluenza 3, adenovirus, and rhinovirus. The regional activity will be reported in the coming weeks.

National Activity Summary- www.cdc.gov

Synopsis: During week 45 (November 7-13, 2010), influenza activity remained low in the United States.

- Of 2,876 specimens tested by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories and reported to CDC/Influenza Division, 220 (7.7%) were positive for influenza.
- The proportion of deaths attributed to pneumonia and influenza (P&I) was at the epidemic threshold.
- No influenza-associated pediatric deaths were reported.
- The proportion of outpatient visits for influenza-like illness (ILI) was 1.3%, which is below the national baseline of 2.5%. All 10 regions reported ILI below region-specific baseline levels; one state experienced moderate ILI activity; one state experienced low ILI activity, and 48 states experienced minimal ILI activity.
- Geographic spread of influenza in Puerto Rico and four states was reported as local; the District of Columbia and 34 states reported sporadic activity; Guam and 12 states reported no influenza activity, and the U.S. Virgin Islands did not report.

[1] For a detailed overview of the Iowa Influenza Surveillance Network including statistical methods used in this report go to at http://www.idph.state.ia.us/adper/iisn.asp.

International Activity Summary- www.who.int - *not available*

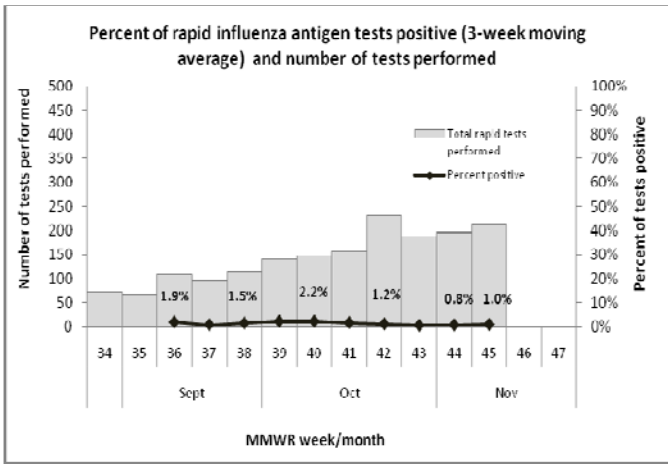
Laboratory surveillance program- *Influenza and Other Respiratory Viruses*

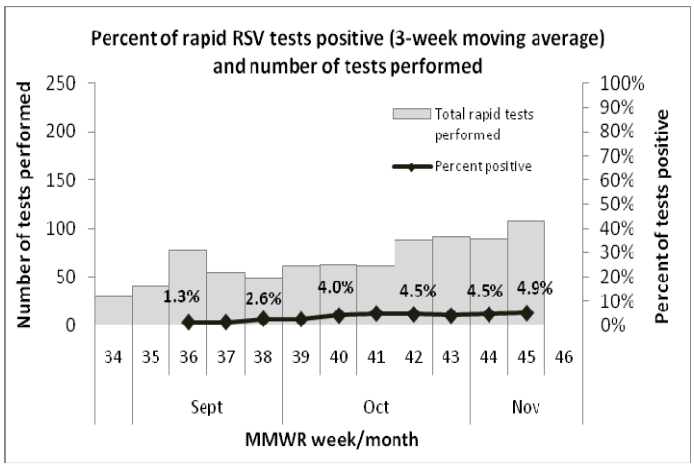
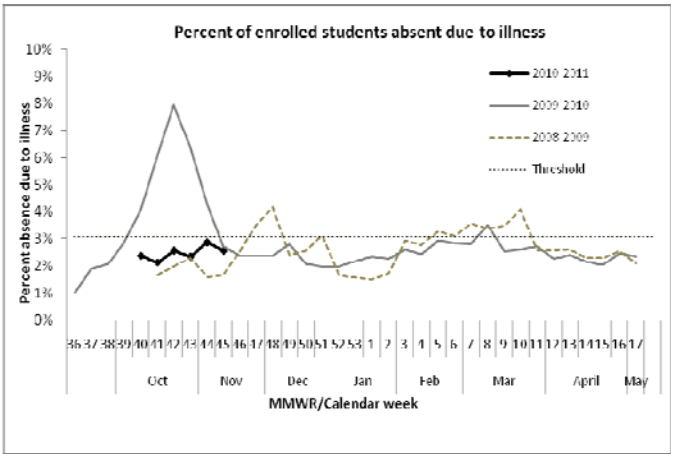
The State Hygienic Laboratory (SHL) is the primary lab testing and reporting influenza tests in Iowa. SHL reports the number of tests performed and the type and strain of positive tests to the influenza surveillance network several times every week. In addition, SHL surveys clinical and reference labs for the number of rapid-antigen tests performed and number positive weekly.

Specimens tested by the State Hygienic Laboratory (includes surveillance sites, rapid antigen confirmation, hospitalizations, and mortality surveillance)

Influenza viruses isolated 9/1/10 to present week	
	Result
Flu A	*2*
Flu A (2009 H1N1)	*0*
Flu A (H3)	*1*
Subtyping not reported	*1*
Flu B	*1*
Indeterminate/Equivocal	*11*
Negative	*476*
Total	*490*

Number of positive results for non-influenza respiratory virus isolated since 9/1/10		
	Cumulative	***Current Week***
Adenovirus Isolated	*4*	*0*
Enteroviruses (presumptive)	*4*	*0*
Coxsackievirus A9 Isolated	*2*	*0*
Coxsackievirus B4 Isolated	*1*	*0*
Echovirus 9 Isolated	*2*	*0*
Parainfluenza Virus Type 1 Isolated	*0*	*0*
Parainfluenza Virus Type 2 Isolated	*9*	*0*
Parainfluenza Virus Type 3 Isolated	*2*	*0*
Rhinovirus Isolated	*12*	*0*
Respiratory syncytial virus (RSV)	*1*	*0*





School surveillance program