



Iowa Influenza Surveillance Network (IISN) Influenza-like Illness (ILI) and Other Respiratory Viruses Weekly Activity Report For the week ending November 20, 2010, Week 46

Quick Stats for this reporting week¹

Iowa activity level:	No Activity
Percent of outpatient visits for ILI	0.3% (threshold 2.1%)
Percent of influenza rapid test positive*	2.7%
Percent of RSV rapid tests positive*	4.9%
Percent school absence due to illness	2.8%
Number of schools with ≥10% absence due to illness	0
Influenza-associated hospitalizations**	1 of 5376 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.

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 - not available

International Activity Summary- www.who.int

Worldwide, influenza activity remains low, except in limited areas of tropical Asia and temperate South America. As the temperate zone of the Northern Hemisphere enters the late autumn and winter months, influenza activity remains at or below seasonal baseline in most countries of Europe, North America, and temperate Asia. Seasonal influenza B and A (H3N2) viruses continue to co-circulate worldwide, with the latter slightly predominant; influenza H1N1 (2009) virus circulation continues to be detected at low to moderate levels across Asia, and sporadically in other parts of the world

Laboratory surveillance program- *Influenza and Other Respiratory Viruses*

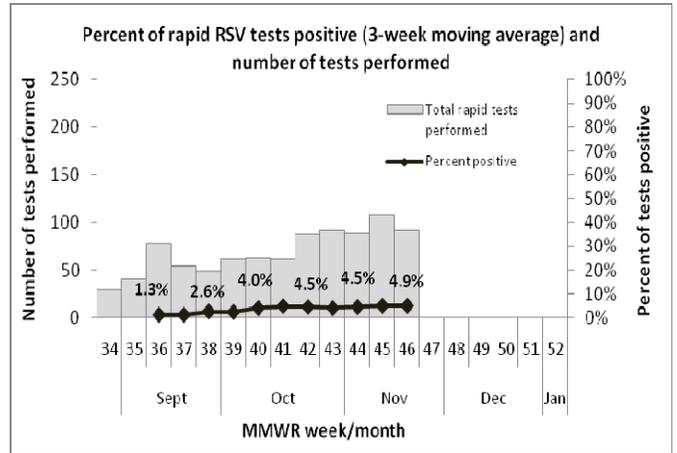
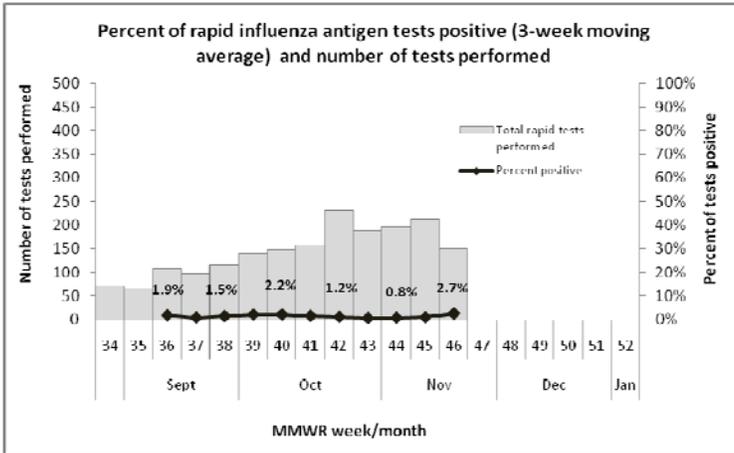
The State Hygienic Laboratory (SHL) is the primary lab testing and reporting influenza tests in Iowa. SHL reports the number of tests performed and the type and strain of positive tests to the influenza surveillance network several times every week. In addition, SHL surveys clinical and reference labs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

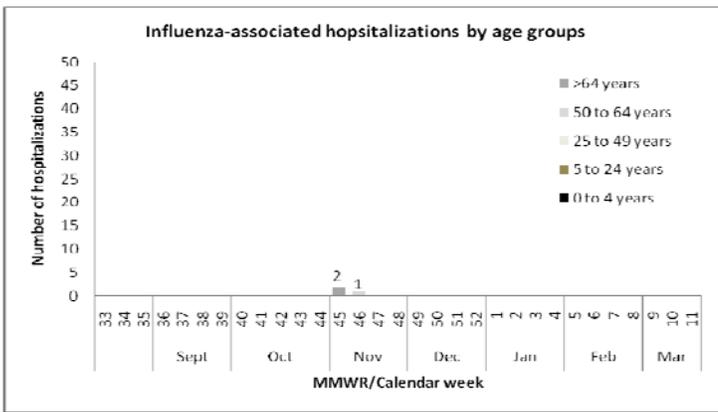
Number of positive results for non-influenza respiratory virus isolated since 9/1/10		
	Cumulative	Current Week
Adenovirus Isolated	4	0
Enteroviruses (presumptive)	4	0
Coxsackievirus A9 Isolated	2	0
Coxsackievirus B4 Isolated	1	0
Echovirus 9 Isolated	2	0
Parainfluenza Virus Type 1 Isolated	0	0
Parainfluenza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

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



Influenza-associated hospitalizations

Twenty-one Iowa hospitals participate in the IISN. They track and report the number of influenza-associated hospitalizations. In the graph below, “Number of hospitalizations” relates to those that are considered influenza-associated with laboratory confirmation (rapid antigen results included) of influenza infection. They also include influenza illness diagnosed by a health care provider.



School surveillance program

Forty-two Iowa schools participate in the IISN tracking and reporting absence due to illness. They also track total enrollment, and log the number of days school was in session each week.

