



# Iowa Influenza Surveillance Network (IISN)

Influenza-like Illness (ILI) and Other Respiratory Viruses Weekly Activity Report





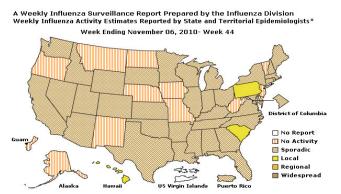
## Quick Stats for this reporting week<sup>1</sup>

Iowa activity level:	No Activity	
Percent of outpatient visits for ILI	0.4% (threshold 2.1%)	
Percent of influenza rapid test positive*	0.8%	
Percent of RSV rapid tests positive*	4.5%	
Percent school absence due to illness	2.9%	
Number of schools with ≥10% absence due to illness	1	
Influenza-associated hospitalizations**	0 of 1261 inpatients surveyed	
* Percent is based on three-week moving average		

<sup>\*\*</sup> Hospitalizations due to influenza are voluntarily reported through a weekly survey of 21 lowa 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 fit within a state.



 ${}^{*}$ This map indicates geographic spread and 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 0.4%, 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. School absence due to illness has increased from the previous weeks. The regional activity will be reported in the coming weeks.

#### National Activity Summary- www.cdc.gov

Synopsis: During week 44 (October 31-November 6, 2010), influenza activity remained low in the United States.

- Of 2,704 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, 185 (6.8%) were positive for influenza.
- Two human infections with novel influenza A viruses were reported.
- The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- One influenza-associated pediatric death was reported and was associated with an influenza A virus for which the subtype was undetermined.
- The proportion of outpatient visits for influenza-like illness (ILI), 1.3%, was below the national baseline, 2.5%. All 10 regions
  reported ILI below region-specific baseline levels; one state experienced low ILI activity, 49 states experienced minimal ILI
  activity.
- Geographic spread of influenza in three states was reported as local; the District of Columbia, Puerto Rico, and 34 states reported sporadic activity; Guam and 13 states reported no influenza activity, and the U.S. Virgin Islands did not report.

<sup>&</sup>lt;sup>1</sup> 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

Worldwide, overall influenza activity remained low, except in parts of the tropics, most notably in Southeast Asia, and to a lesser extent in the tropical areas of the Americas. After late winter and springtime influenza epidemics in several countries of the temperate southern hemisphere, influenza activity has returned to near or below baseline in most places. Notably, however, a recent post-season rise in cases has been noted across parts of southern Africa associated with localized outbreaks of influenza H1N1 (2009) virus. Seasonal influenza A (H3N2) viruses continued to be the predominant circulating type or subtype of influenza viruses worldwide, however. In addition, in many countries there has been co-circulation of seasonal influenza B viruses and to a lesser extent, influenza H1N1 (2009) viruses. The latter has been recently predominant in a limited number of countries, including in India.

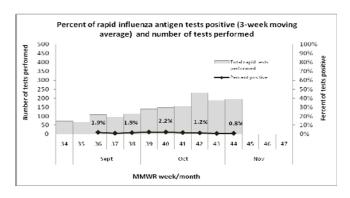
## <u>Laboratory surveillance program- Influenza and Other Respiratory Viruses</u>

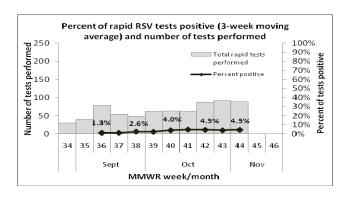
The State Hygienic Laboratory (SHL) is the primary lab testing and reporting influenza tests in Iowa. SHL reports the number of tests performed and the type and strain of positive tests to the influenza surveillance network several times every week. In addition, SHL surveys clinical and reference labs 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	10	
Negative	439	
Total	452	

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	1	
Rhinovirus Isolated	12	0	
Respiratory syncytial virus (RSV)	1	0	





## School surveillance program

