



# Iowa Influenza Surveillance Network (IISN)

## Influenza-like Illness (ILI) and Other Respiratory Viruses

### Weekly Activity Report

For the week ending October 8, 2011, Week 40

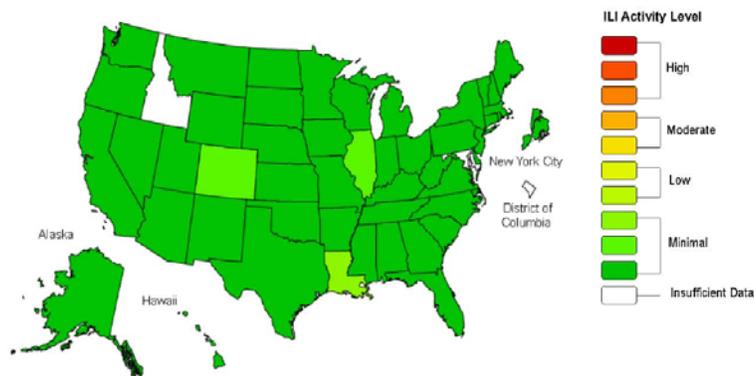
#### Quick Stats for this reporting week

Iowa activity level <sup>1</sup>	No activity
Percent of outpatient visits for ILI <sup>2</sup>	0.5% (baseline 2.3%)
Percent of influenza rapid test positive	0.0% (0/162)
Percent of RSV rapid tests positive	2.2% (2/92)
Percent school absence due to illness	1.7%
Number of schools with ≥10% absence due to illness	0
Influenza-associated hospitalizations*	3/4627
Influenza-associated pediatric mortality**	0

\* Hospitalizations due to influenza are voluntarily reported through a weekly survey of Iowa sentinel hospitals.

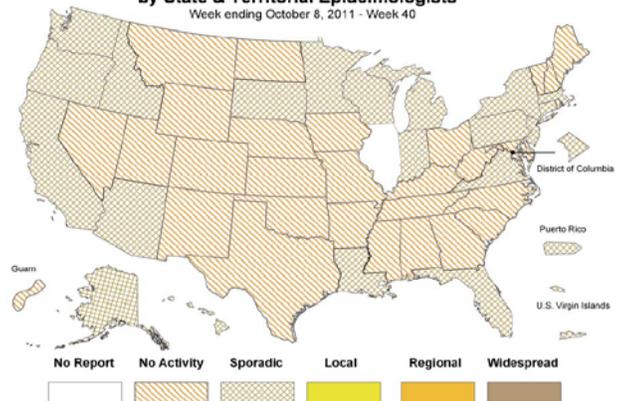
\*\* CDC asks states to report any pediatric death (<18 years old) associated with influenza

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2011-12 Influenza Season Week 40 ending Oct 08, 2011



\*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.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending October 8, 2011 - Week 40



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

#### Iowa statewide activity summary

The influenza activity in Iowa remained very low. There were no laboratory confirmed cases of influenza in this reporting week; however, there were confirmed cases reported from neighboring states. The proportion of visits due to influenza-like illness (ILI) was 0.5 percent, which is below the regional baseline of 2.3 percent. There were three Influenza-associated hospitalizations (rapid flu positive) reported from sentinel hospitals for this reporting period. Other respiratory viruses identified include two cases of adenovirus.

#### National activity summary - [www.cdc.gov](http://www.cdc.gov)

**Synopsis:** During week 40 (October 2-8, 2011), influenza activity was low in the United States.

- **Viral Surveillance:** Of the 1,343 specimens tested by the U.S. World Health Organization and National Respiratory and Enteric Virus Surveillance System collaborating laboratories and reported to CDC/Influenza Division for week 40, 16 (1.2 percent) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza was below the epidemic threshold.

<sup>1</sup> **\*No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of influenza-like illness (ILI<sup>2</sup>).

**Sporadic:** Small numbers of laboratory-confirmed influenza cases or a single influenza outbreak has been reported, but there is no increase in cases of ILI<sup>2</sup>.

**Local:** Outbreaks of influenza or increases in ILI cases 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 of the state.

<sup>2</sup> ILI: Influenza-like Illness is defined as a fever of ≥100° F as well as cough and/or sore throat.

- **Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.0 percent, which is below the national baseline of 2.4 percent. All 10 regions reported ILI below region-specific baseline levels. Forty-eight states and New York City experienced minimal ILI activity and the District of Columbia and two states had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and 20 states was reported as sporadic; Guam and 29 states reported no influenza activity, and one state did not report.

**International activity summary - [www.who.int](http://www.who.int)**

Influenza activity in the temperate regions of the northern hemisphere remains low or undetectable. Countries in the tropical zone mostly reported low influenza activity but with some transmission reported in countries of the Americas (Cuba, Honduras and Bolivia), western Africa (Cameroon), and southern Asia (India, Thailand, Viet Nam and Singapore). Transmission in South Africa and South America remains low. As reported in previous update, the number of laboratory confirmed influenza notifications in Australia is reported to be declining in Queensland, New South Wales and other states with the exception of the Northern Territory. Influenza-like illness (ILI) activity in New Zealand continues around national baseline levels and the majority of viruses detected have been influenza B.

**Laboratory surveillance program - Influenza and Other Respiratory Viruses**

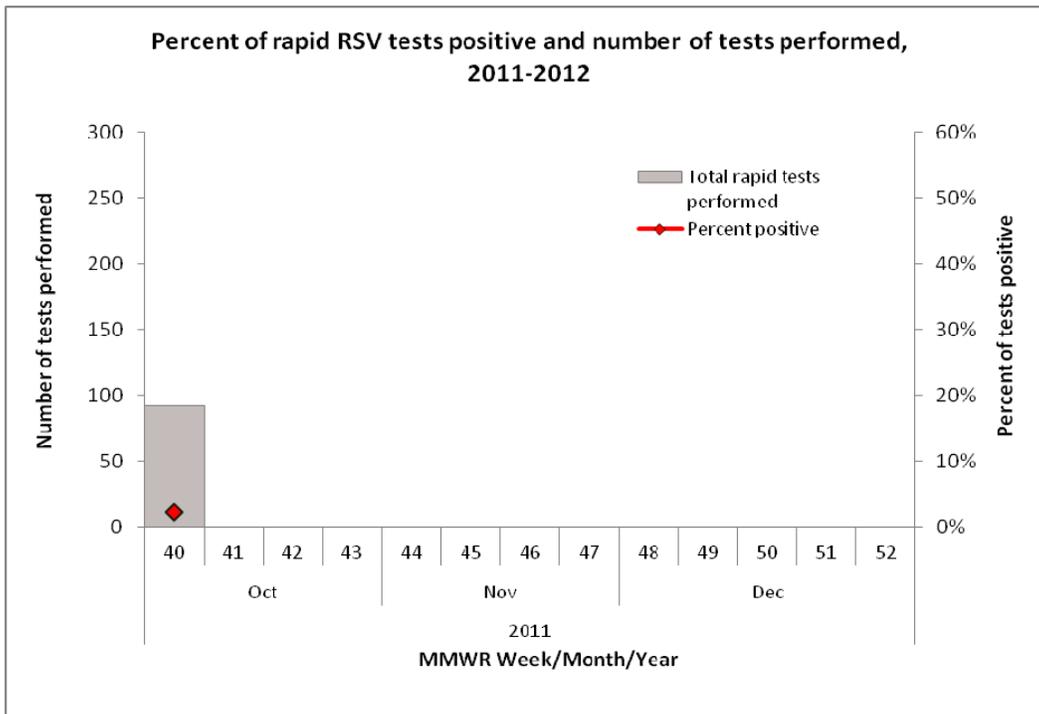
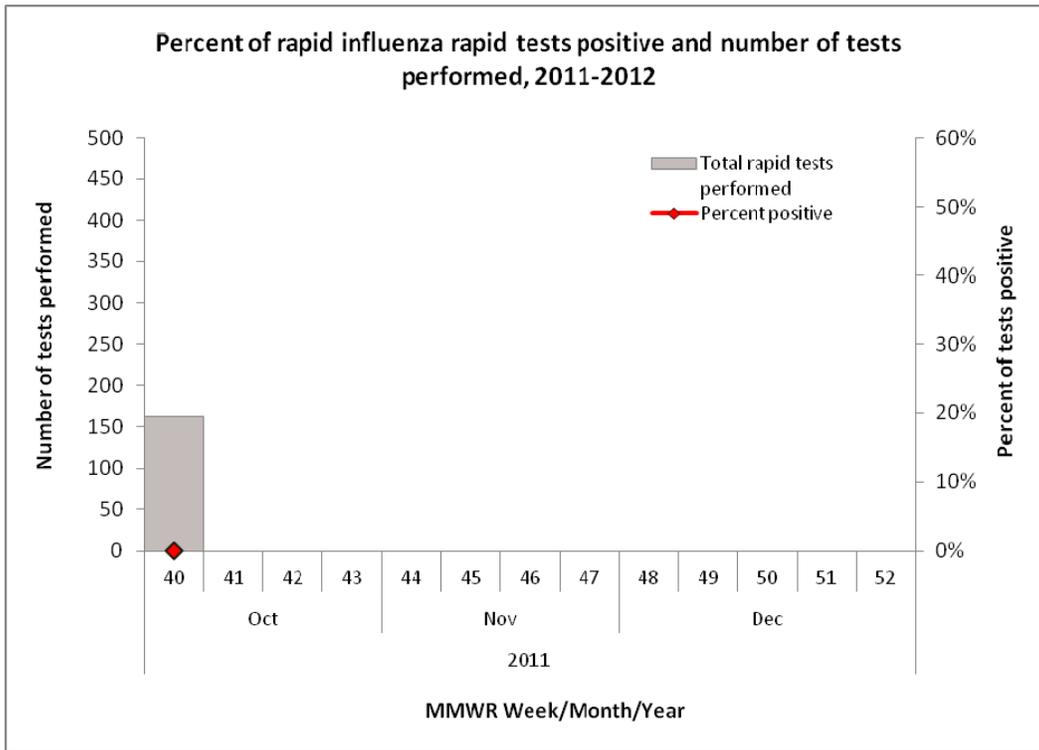
The State Hygienic Laboratory (SHL) is the primary lab testing and reporting influenza tests in Iowa. SHL reports the number of tests performed and the type and strain of positive tests to the influenza surveillance network several times every week. In addition, SHL surveys clinical and reference labs for the number of rapid-antigen tests performed and number positive weekly. This report also includes the positive non-influenza virus culture tests reported from the Dunes Medical Laboratories at Mercy Medical Center-Sioux City.

**Specimens tested by the State Hygienic Laboratory**

Influenza viruses isolated 10/2/11 to present week			Influenza viruses by age group 10/2/11 to present week				
	<i>Current week</i>	<i>Cumulative</i>	<i>Age group</i>	<i>Flu A (2009 H1N1)</i>	<i>Flu A (H3)</i>	<i>Flu A (no subtyping)</i>	<i>Flu B</i>
<b>Flu A</b>	0 (0%)	0 (0%)	<b>0-4</b>	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Flu A (2009 H1N1)	0 (0%)	0 (0%)	<b>5-17</b>	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Flu A (H3)	0 (0%)	0 (0%)	<b>18-24</b>	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Subtyping not reported	0 (0%)	0 (0%)	<b>25-49</b>	0 (0%)	0 (0%)	0 (0%)	0 (0%)
<b>Flu B</b>	0 (0%)	0 (0%)	<b>50-64</b>	0 (0%)	0 (0%)	0 (0%)	0 (0%)
<b>Indeterminate/Equivocal</b>	2 (10%)	2 (10%)	<b>&gt;64</b>	0 (0%)	0 (0%)	0 (0%)	0 (0%)
<b>Negative</b>	18 (90%)	18 (90%)	<b>Total</b>	0	0	0	0
<b>Total</b>	20	20					

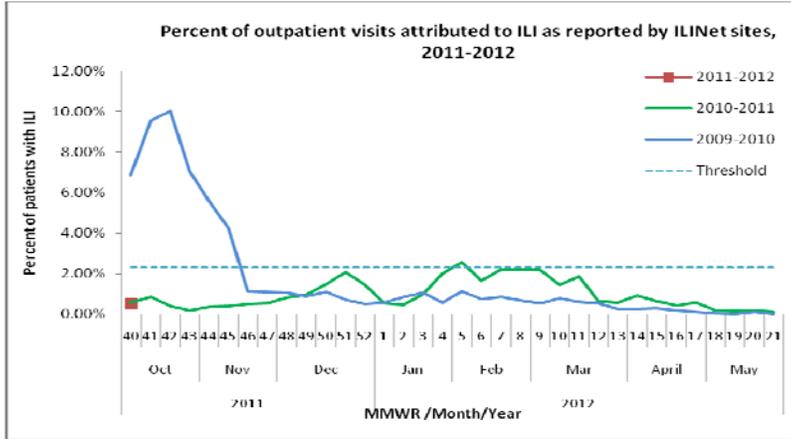
**Number of positive results for non-influenza respiratory virus isolated since 10/2/11 by the State Hygienic Laboratory and Mercy Dunes in Sioux City**

	<i>Current week</i>	<i>Cumulative</i>
<b>Adenovirus Isolated</b>	2	2
<b>Parainfluenza Virus Type 1</b>	0	0
<b>Parainfluenza Virus Type 2</b>	0	0
<b>Parainfluenza Virus Type 3</b>	0	0
<b>Rhinovirus/Enteroviruses</b>	0	0
<b>Respiratory syncytial virus (RSV)</b>	0	0
<b>human metapneumovirus (hMPV)</b>	0	0



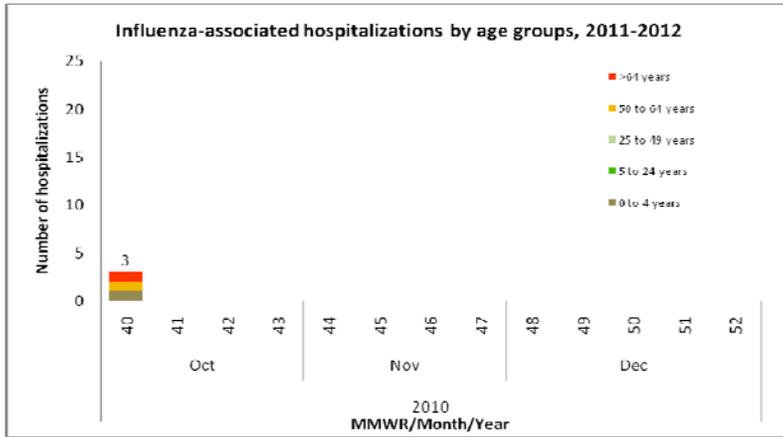
### Outpatient health care provider surveillance program (ILINet)

Outpatient health care providers that participate in the ILINet (a national influenza surveillance program) report the number of patients seen with influenza-like illness and the total number of patient visits each week.



### Influenza-associated hospitalizations

Sentinel hospitals that participate in IISN voluntarily track and report the number of influenza-associated hospitalizations and the total number of inpatients each week.



### School surveillance program

Schools participating in IISN voluntarily track and report absence due to all illness (including non-influenza illnesses) and the total enrollment each week.

