



# Iowa Influenza Surveillance Network (IISN)

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

### Weekly Activity Report

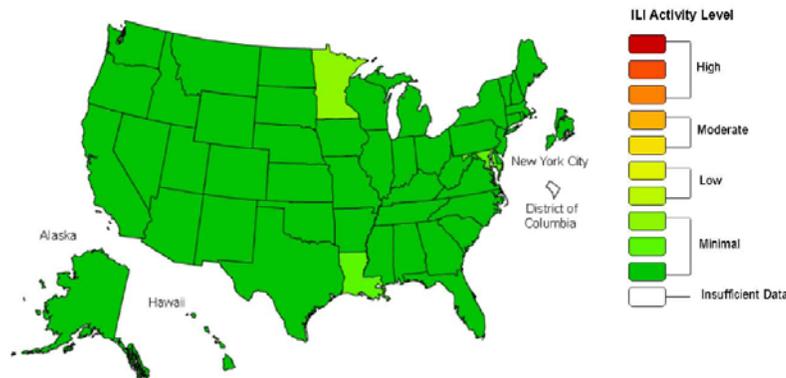
For the week ending October 22, 2011, Week 42

### Quick Stats for this reporting week

Iowa activity level <sup>1</sup>	No activity
Percent of outpatient visits for ILI <sup>2</sup>	0.2% (baseline 2.3%)
Percent of influenza rapid test positive	0.5% (1/201)
Percent of RSV rapid tests positive	1.9% (1/103)
Percent school absence due to illness	1.8%
Number of schools with ≥10% absence due to illness	0
Influenza-associated hospitalizations*	0/6360
Influenza-associated pediatric mortality**	0

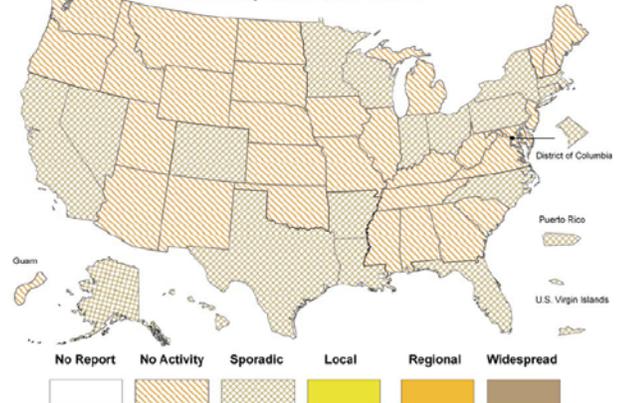
\* Hospitalizations due to influenza are voluntarily reported through a weekly survey of Iowa sentinel hospitals.  
\*\* CDC asks states to report any pediatric death (<18 years old) associated with influenza

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2011-12 Influenza Season Week 42 ending Oct 22, 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 22, 2011 - Week 42



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

### Iowa statewide activity summary

The influenza activity in Iowa remains very low. There were no laboratory confirmed cases of influenza in this reporting week. The proportion of visits due to influenza-like illness (ILI) was decreased to 0.2 percent, which is well below the regional baseline of 2.3 percent. The percent of rapid influenza tests that tested positive decreased from the previous week, while the percent of rapid RSV tests that tested positive increased slightly. There were no influenza-associated hospitalizations reported from sentinel hospitals for this reporting period. The percent of school absence due to illness also decreased from previous weeks. There were no other respiratory viruses detected in this reporting week. For the season, other respiratory viruses identified include rhinovirus, adenovirus, parainfluenza 1, and respiratory syncytial virus (RSV).

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

**Synopsis:** During week 42 (October 16-22, 2011), influenza activity remained low in the United States.

- **U.S. Virologic Surveillance:** Of the 1,479 specimens tested by U.S. World Health Organization and National Respiratory and Enteric Virus Surveillance System collaborating laboratories and reported to CDC/Influenza Division, 12 (0.8 percent) were positive for influenza.

<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.

- **Pneumonia and Influenza (P&I) Mortality Surveillance:** The proportion of deaths attributed to P&I was below the epidemic threshold.
- **Influenza-associated Pediatric Mortality:** No influenza-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.1 percent, which is below the national baseline of 2.4 percent. All 10 regions reported ILI below region-specific baseline levels. All 50 states and New York City experienced minimal ILI activity and the District of Columbia 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 18 states was reported as sporadic and Guam and 32 states reported no influenza activity.

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

Influenza activity in the temperate regions of the northern hemisphere remains low or undetectable. Influenza activity in the tropical zone is active in a few countries of the Americas (Cuba, Honduras and El Salvador), central Africa (Cameroon), and Southern and Southeast Asia (Bangladesh, Cambodia, Thailand, Lao People's Democratic Republic and Viet Nam). Transmission in South Africa and South America remains low and the season appears largely over. Influenza activity has peaked in Australia and New Zealand, though there are regional variations in the timing of the peaks and the season has not yet finished. Australia continues to see regional differences in the predominant virus subtype.

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

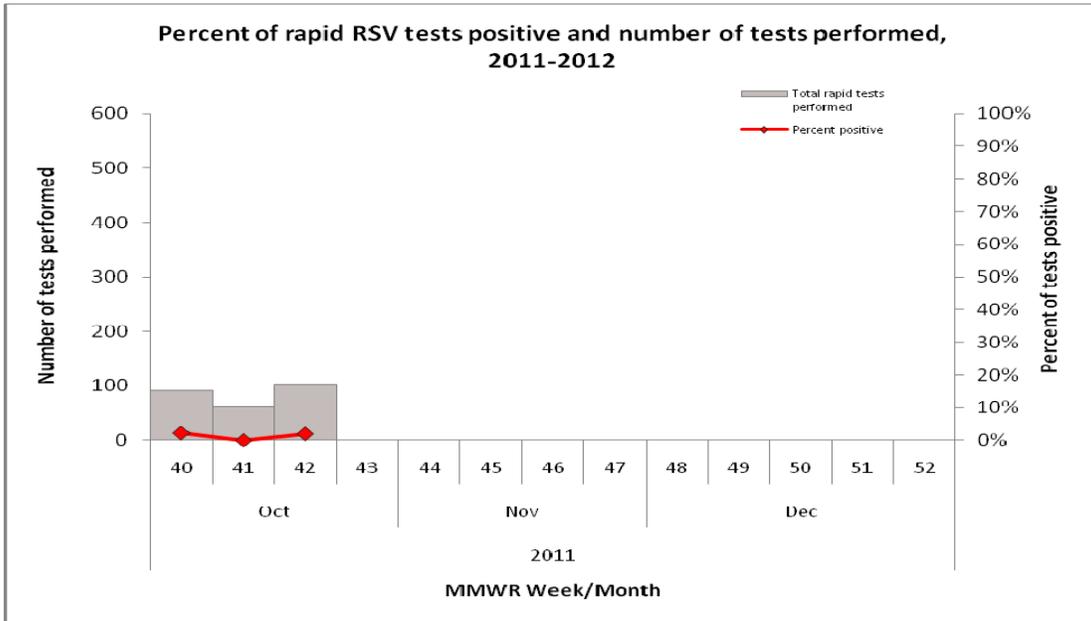
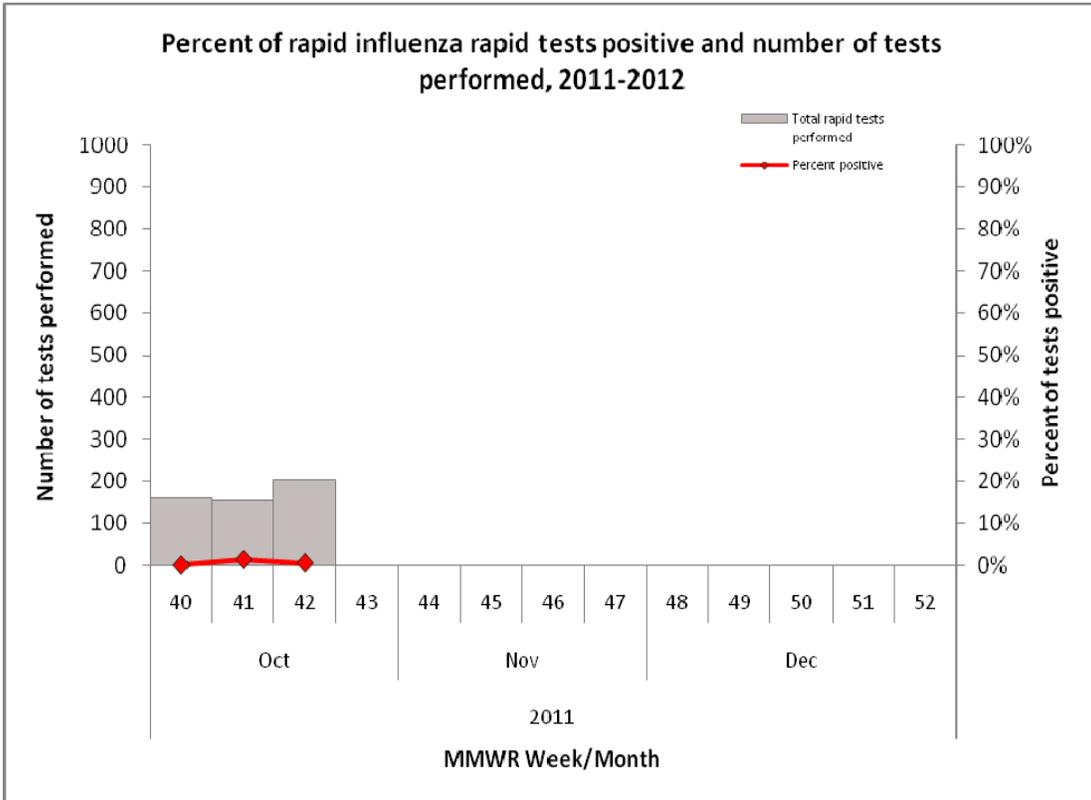
The State Hygienic Laboratory (SHL) is the primary lab testing and reporting influenza tests in Iowa. SHL reports the number of tests performed and the type and strain of positive tests to the influenza surveillance network several times every week. In addition, SHL surveys clinical and reference labs 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>	0 (0%)	6 (10%)	<b>&gt;64</b>	0 (0%)	0 (0%)	0 (0%)	0 (0%)
<b>Negative</b>	6 (100%)	45 (90%)	<b>Total</b>	0	0	0	0
<b>Total</b>	6	51					

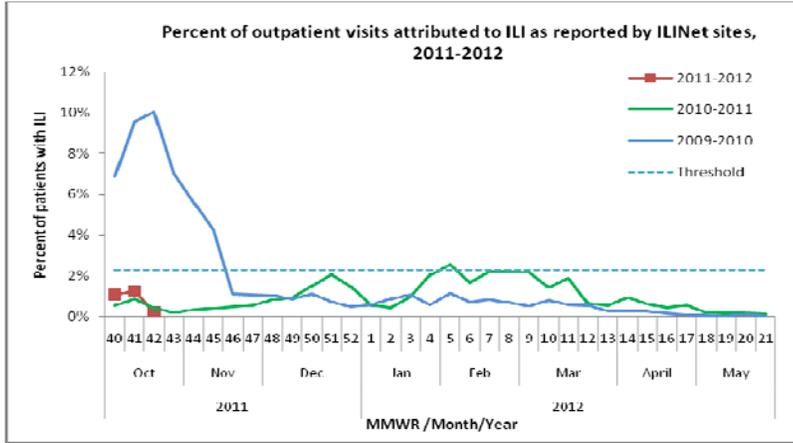
**Number of positive results for non-influenza respiratory virus isolated since 10/2/11 by the State Hygienic Laboratory and Mercy Dunes in Sioux City**

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



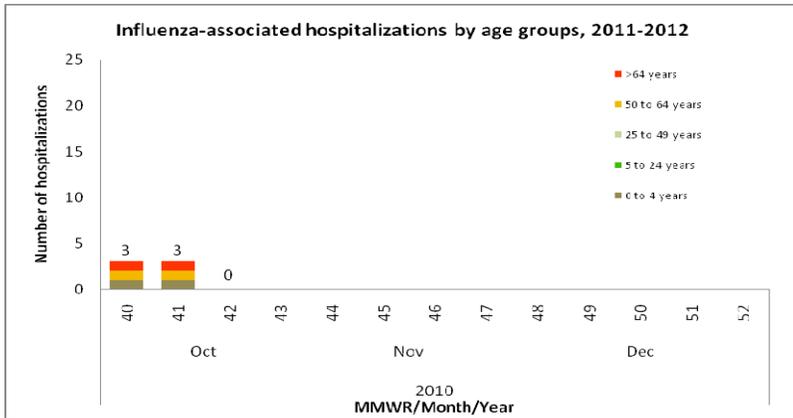
**Outpatient health care provider surveillance program (ILINet)**

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.

