



Iowa Influenza Surveillance Network (IISN)

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



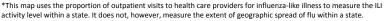


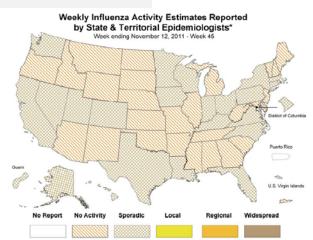
Quick Stats for this reporting week

lowa activity level ¹	Sporadic			
Percent of outpatient visits for ILI ²	0.3% (baseline 2.3%)			
Percent of influenza rapid test positive	0.0% (0/105)			
Percent of RSV rapid tests positive	1.8% (1/55)			
Percent school absence due to illness	2.4%			
Number of schools with ≥10% absence due to illness	0			
Influenza-associated hospitalizations*	0/6397 inpatients surveyed			
Influenza-associated pediatric mortality**	0			
* Hospitalizations due to influenza are voluntarily reported through a weekly survey of lowa sentinel hospitals.				

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet 2011-12 Influenza Season Week 45 ending Nov 12, 2011







*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 two laboratory confirmed cases of influenza in central Iowa in this reporting week. The proportion of visits due to influenza-like illness (ILI) was 0.3 percent, which is below the regional baseline of 2.3 percent. The number of rapid influenza and respiratory syncytial virus (RSV) tests performed decreased from previous weeks and the percent of rapid tests that tested positive was low. There were no influenza-associated hospitalizations reported from sentinel hospitals for this reporting period. Five new cases of other respiratory viruses (adenovirus, parainfluenza 1-2, and rhinovirus) were detected in this reporting week. For the season, other respiratory viruses identified include rhinovirus, adenovirus, parainfluenza 1-2, RSV, and human metapneumovirus (hMPV).

National activity summary - www.cdc.gov

- Synopsis: During week 45 (November 6-12, 2011), influenza activity remained low in the United States.
- U.S. Virologic Surveillance: Of the 2,145 specimens tested by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System collaborating laboratories and reported to CDC/Influenza Division, 30 (1.4 percent) were positive for influenza.

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

^{1 *}No Activity: No laboratory-confirmed cases of influenza and no reported increase in the number of cases of influenza-like illness (ILI²). Sporadic: Small numbers of laboratory-confirmed influenza cases or a single influenza outbreak has been reported, but there is no increase in cases of ILI2. 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.

² 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 1.2 percent, which is below the national baseline of 2.4 percent. All 10 regions reported ILI below region-specific baseline levels. Forty-nine states and New York City experienced minimal ILI activity, one state experienced low ILI activity and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza**: The geographic spread of influenza in the District of Columbia, Guam, and 23 states was reported as sporadic; the U.S. Virgin Islands and 27 states reported no influenza activity, and Puerto Rico did not report.

International activity summary - www.who.int

Influenza activity in the temperate regions of the northern hemisphere remains low or undetectable, though a recent outbreak of influenza A(H3N2) in a seniors lodge has been reported in Alberta, Canada. Significant influenza activity was reported in only a few countries of the tropical zone including Nicaragua in the Americas, Cameroon in central Africa, and Cambodia in South East Asia. Transmission in the temperate countries of the southern hemisphere has returned to intra-seasonal levels, with some persistence of influenza A(H3N2) in Australia.

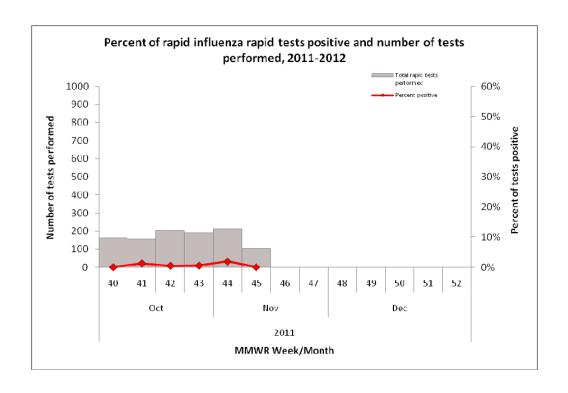
Laboratory surveillance program - Influenza and Other Respiratory Viruses

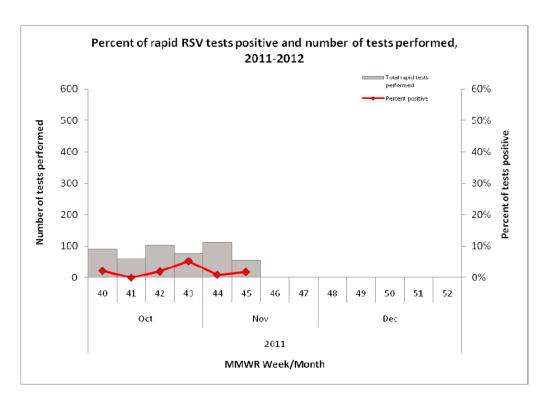
The State Hygienic Laboratory (SHL) is the primary lab testing and reporting influenza tests in Iowa. SHL reports the number of tests performed and the type and strain of positive tests to the influenza surveillance network several times every week. In addition, SHL surveys clinical and reference labs 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				
	Current week	Cumulative	Age group	Flu A (2009 H1N1)	Flu A (H3)	Flu A (no subtyping)	Flu B
Flu A	2 (0%)	3 (0%)	0-4	0 (0%)	1 (0%)	1 (0%)	0 (0%)
Flu A (2009 H1N1)	0 (0%)	0 (0%)	5-17	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Flu A (H3)	1 (0%)	2 (0%)	18-24	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Subtyping not reported	1 (0%)	1 (0%)	25-49	0 (0%)	1 (0%)	0 (0%)	0 (0%)
Flu B	0 (0%)	0 (0%)	50-64	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Indeterminate/Equivocal	0 (0%)	6 (10%)		0 (0%)	0 (0%)	0 (0%)	0 (0%)
Negative	25 (100%)	136 (90%)	>64	, ,	, ,	, ,	
Total	27	145	Total	0	2	1	0

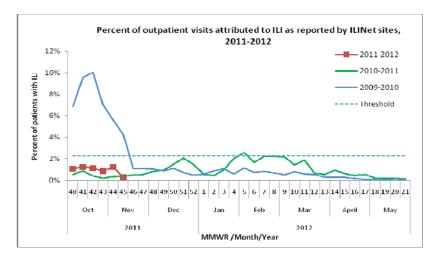
Number of positive results for non-influenza respiratory virus isolated since 10/2/11 by the State Hygienic Laboratory and Mercy Dunes in Sioux City						
	Current week	Cumulative				
Adenovirus	1	6				
Parainfluenza Virus Type 1	1	7				
Parainfluenza Virus Type 2	1	3				
Parainfluenza Virus Type 3	0	0				
Rhinovirus	2	14				
Respiratory syncytial virus (RSV)	0	2				
human metapneumovirus (hMPV)	0	1				





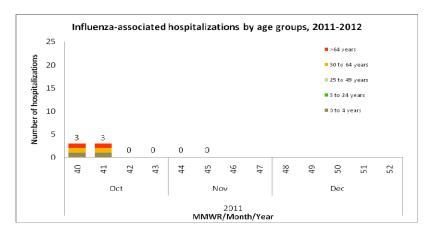
Outpatient health care provider surveillance program (ILINet)

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.

