



Iowa Influenza Surveillance Network (IISN)

Influenza and Other Respiratory Virus Weekly Activity Report

For the week ending May 16, 2009 Week 19



Influenza Quick Stats:

Iowa activity level: **Sporadic¹**
 Lab-confirmed cases: 0
 Sentinel % ILI²: 0.16% (threshold 2.1%)
 Hospitalizations: 1
 School % absence: 1.67% (threshold 3.06%)
 School days ≥10% absence: 0



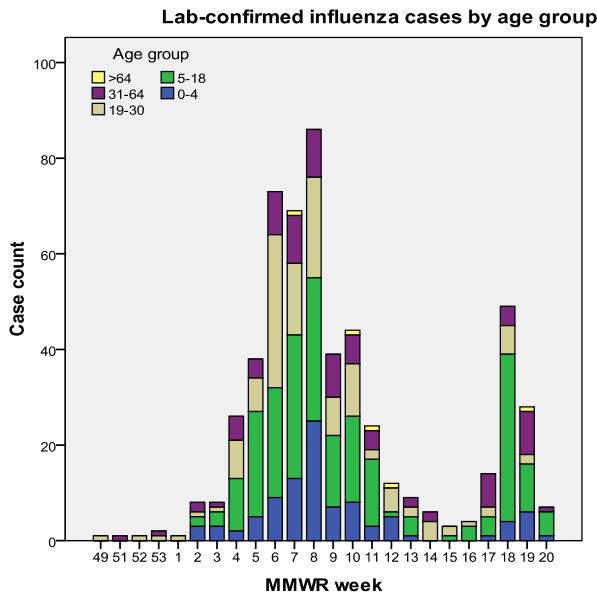
IMPORTANT NOTE: This report does not contain any data specific to the novel influenza A (H1N1) or “swine flu” illness. Please review the materials on the IDPH novel influenza website at www.idph.state.ia.us/adper/swine_flu.asp.

lowa activity summary: There were no lab confirmed cases of seasonal influenza this week. The hospitalization seen was in an elderly person. Overall activity is low this week.

National activity summary: Widespread influenza activity was reported by eight states. Regional influenza activity was reported by 14 states. Local influenza activity was reported by the District of Columbia and 15 states. Sporadic activity was reported by 13 states.

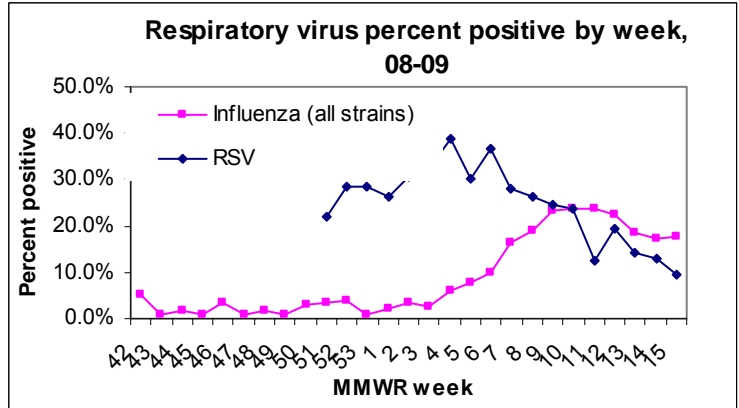
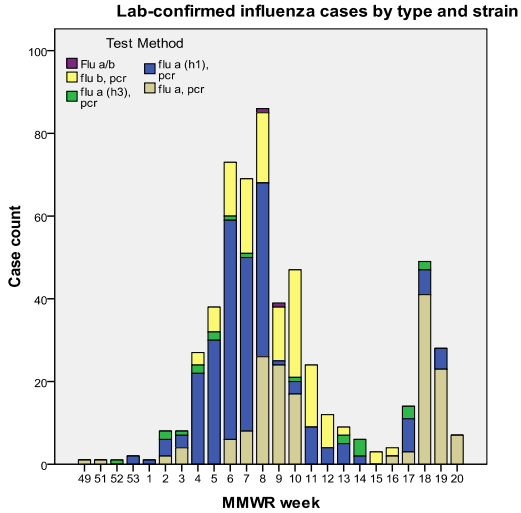
National virologic surveillance: During the 2008-09 season, influenza A (H1), A (H3), and B viruses have co-circulated in the United States. The results of tests performed during the current week are 88.4% (influenza A) and 11.6% (influenza B).

Antiviral resistance: Since October 1, 2008, 865 seasonal influenza A (H1N1), 134 influenza A (H3N2), and 424 influenza B viruses have been tested for resistance to the neuraminidase inhibitors (oseltamivir and zanamivir). Eight hundred seventy-six seasonal influenza A (H1N1) and 145 influenza A (H3N2) viruses have been tested for resistance to the adamantanes (amantadine and rimantadine). Additional information on antiviral recommendations for treatment and chemoprophylaxis of novel influenza A (H1N1) infection is available at <http://www.cdc.gov/h1n1flu/recommendations.htm>



MMWR week	flu a (h1)	flu a (h3)	flu a	flu a/b	flu b	Total
49	0	0	1	0	0	1
51	0	0	1	0	0	1
52	0	1	0	0	0	1
53	2	0	0	0	0	2
1	1	0	0	0	0	1
2	4	2	2	0	0	8
3	3	1	4	0	0	8
4	22	2	0	0	3	27
5	30	2	0	0	6	38
6	53	1	6	0	13	73
7	42	1	8	0	18	69
8	42	0	26	1	17	86
9	1	0	24	1	13	39
10	3	1	17	0	26	47
11	9	0	0	0	15	24
12	4	0	0	0	8	12
13	5	2	0	0	2	9
14	2	4	0	0	0	6
15	0	0	0	0	3	3
16	0	0	2	0	2	4
17	8	3	3	0	0	14
18	6	2	41	0	0	49
19	5	0	23	0	0	28
20	0	0	7	0	0	7
Total	242	22	165	2	126	557

¹ **No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of influenza-like illness (ILI).
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.
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 Influenza-like illness is defined as fever ≥100°F and cough and/or sore throat.



Laboratory-confirmed cases: (excludes rapid test positives; only weeks with cases are included in the table; includes several labs)

Influenza and Other Respiratory Viral Laboratory Data:

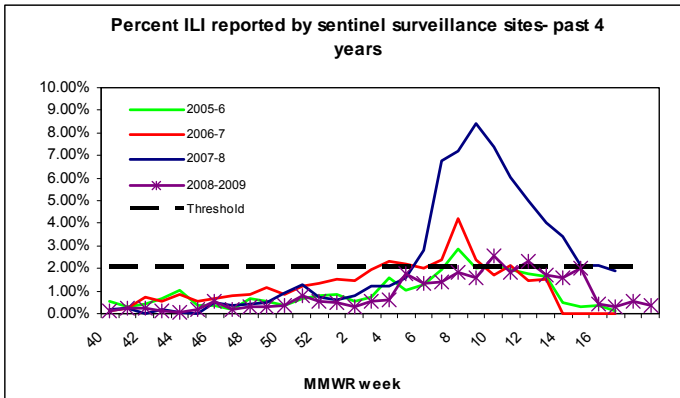
Laboratory-confirmed cases are primarily reported by the University Hygienic Laboratory (UHL) only. UHL also determines the type and strain (AH1, AH3). Influenza is not a required reportable disease. Laboratory data is used to confirm the presence of influenza and the types and strains circulating, not determine the exact number of cases in Iowa.

Region	INFLUENZA					RSV*		
	Tested	Flu A	Flu B	Both	% Positive	Tested	Positive	% Positive
Region 1- Boone, Calhoun, Carroll, Dallas, Greene, Grundy, Hamilton, Hardin, Jasper, Marshall, Polk, Poweshiek, Story, Tama, Warren, Webster	31	0	1	0	3.2%	3	1	33.3%
Region 2- Allamakee, Bremer, Butler, Cerro Gordo, Chickasaw, Emmet, Fayette, Floyd, Franklin, Hancock, Howard, Humboldt, Kossuth, Mitchell, Winnebago, Winneshiek, Worth, Wright	10	0	1	0	10.0%	3	0	0.0%
Region 3- Buena Vista, Cherokee, Clay, Crawford, Dickinson, Ida, Lyon, Monona, O'Brien, Osceola, Palo Alto, Plymouth, Pocahontas, Sac, Sioux, Woodbury	66	2	12	0	21.2%	5	0	0.0%
Region 4- Adair, Adams, Audubon, Cass, Clarke, Decatur, Fremont, Guthrie, Harrison, Madison, Mills, Montgomery, Page, Pottawattamie, Ringgold, Shelby, Taylor, Union	26	1	0	0	3.8%	3	0	0.0%
Region 5- Appanoose, Davis, Des Moines, Henry, Jefferson, Keokuk, Lee, Louisa, Lucas, Mahaska, Marion, Monroe, Muscatine, Van Buren, Wapello, Washington, Wayne	67	2	1	5	11.9%	12	0	0.0%
Region 6- Benton, Black Hawk, Buchanan, Cedar, Clayton, Clinton, Delaware, Dubuque, Iowa, Jackson, Johnson, Jones, Linn, Scott	184	12	2	1	8.2%	67	4	6.0%
TOTAL	384	17	17	6	10.4%	93	5	5.4%

*The CDC epidemic threshold for RSV is ~10% of all test results reported as positive. Additional RSV trends may be viewed at <http://www.cdc.gov/surveillance/nrevss/rsv/state.html>.

Outpatient Health Care Provider Influenza Surveillance (Sentinel Surveillance):

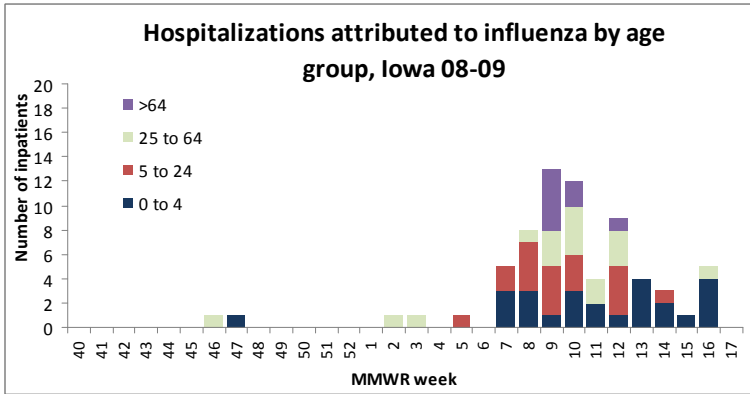
There are 18 sentinel surveillance sites throughout Iowa surveying patient populations for influenza-like illness (ILI).



# sites reporting	2
Age 0-4	0
Age 5-24	0
Age 25-64	1
Age over 64	0
Total ILI	1
Total patients	611
% ILI	0.16%

Hospital and Long-term Care Facility Influenza Surveillance:

There are 29 hospitals participating in influenza surveillance. Hospitals track the total number of patients hospitalized weekly with influenza and/or pneumonia who also have a positive influenza laboratory result. The total number of patients surveyed this week was 4,690.



There were no cases of influenza reported in long-term care facilities.

School Illness Surveillance:

There are approximately 50 school sites reporting into the IISN. All sites track the average number of students enrolled and the number absent due to illness weekly.

Number of sites reporting	14
Total students surveyed	8,632
Total absences due to illness	922
Average percent absence due to illness	1.67%
Median percent absence due to illness	1.75%
2007-2008 percent absence due to illness same week	N/A

