



Influenza and Respiratory Syncytial Virus (RSV) Weekly Activity Report

Iowa Influenza Surveillance Network (IISN)
For the week ending June 6, 2009, Week 22

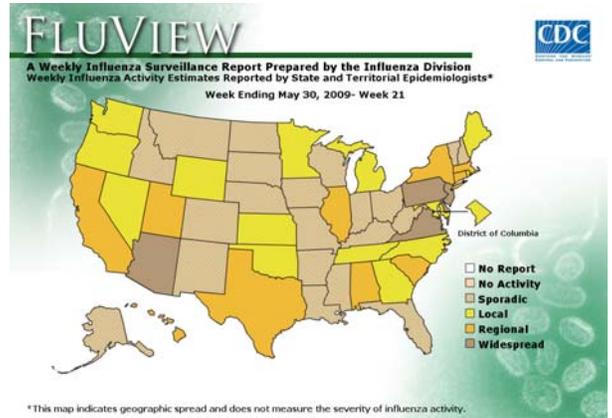
Influenza Quick Stats*:

Iowa activity level: **Sporadic¹**
 Lab-confirmed cases: 15
 Outpatient % ILI²: 0.45% (threshold 2.1%)
 Hospitalizations for ILI²: 0

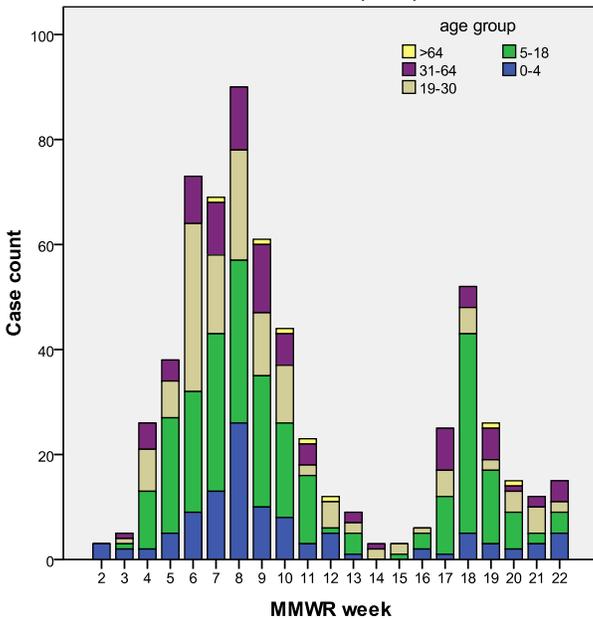
School ILI² and ≥10% absence reports will resume this fall (2009-2010 school year).

* Influenza data includes both seasonal influenza strains and Novel Influenza A (H1N1). There have been no hospitalizations due to Novel Influenza A (H1N1) to date.

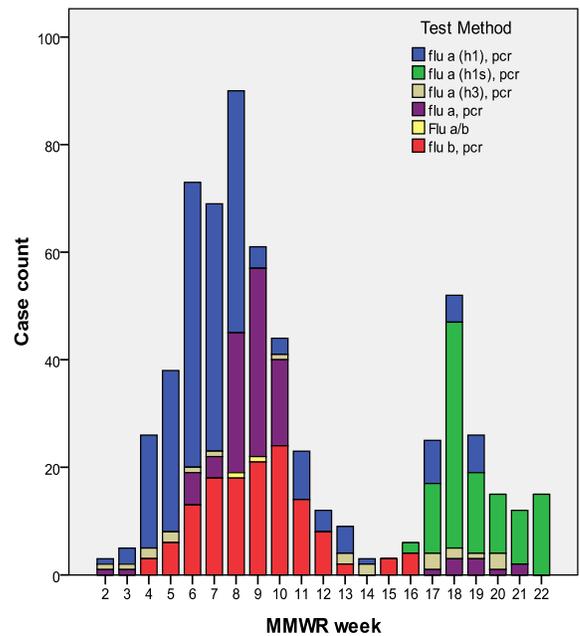
* RSV data is not incorporated into the report due to low levels. RSV will be added back into the report when levels rise.



Lab-confirmed influenza cases by age group (2009)



Lab-confirmed influenza cases by type and stain (2009)



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.

Division of Acute Disease Prevention and Emergency Response
Center for Acute Disease Epidemiology

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

Laboratory-confirmed cases are primarily reported by the University Hygienic Laboratory (UHL). UHL also determines the type and strain such as seasonal A (H1), seasonal A(H3), and Novel Influenza A(H1N1). 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.

MMWR_wk	Flu A/B	Flu A (H1), PCR	Novel Influenza A (H1N1)	Flu A (H3), PCR	Flu A, PCR	Flu B, PCR	Total
2	0	1	0	1	1	0	3
3	0	3	0	1	1	0	5
4	0	21	0	2	0	3	26
5	0	30	0	2	0	6	38
6	0	53	0	1	6	13	73
7	0	46	0	1	4	18	69
8	1	45	0	0	26	18	90
9	1	4	0	0	35	21	61
10	0	3	0	1	16	24	44
11	0	9	0	0	0	14	23
12	0	4	0	0	0	8	12
13	0	5	0	2	0	2	9
14	0	1	0	2	0	0	3
15	0	0	0	0	0	3	3
16	0	0	2	0	0	4	6
17	0	8	13	3	1	0	25
18	0	5	42	2	3	0	52
19	0	7	15	1	3	0	26
20	0	0	11	3	1	0	15
21	0	0	10	0	2	0	12
22	0	0	15	0	0	0	15
Total	2	245	108	22	99	134	610

Influenza and Respiratory Syncytial Virus (RSV) Rapid Test Results:

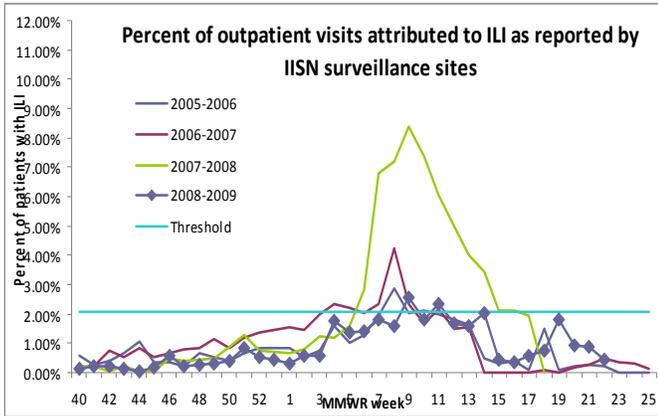
These results are based upon tests performed at sentinel laboratories participating in influenza surveillance.

INFLUENZA					
Region	Tested	Flu A	Flu B	A/B	% Positive
Region 1 - Boone, Calhoun, Carroll, Dallas, Greene, Grundy, Hamilton, Hardin, Jasper, Marshall, Polk, Poweshiek, Story, Tama, Warren, Webster	6	0	0	0	0.0%
Region 2 - Allamakee, Bremer, Butler, Cerro Gordo, Chickasaw, Emmet, Fayette, Floyd, Franklin, Hancock, Howard, Humboldt, Kossuth, Mitchell, Winnebago, Winneshiek, Worth, Wright	5	1	0	0	20.0%
Region 3 - Buena Vista, Cherokee, Clay, Crawford, Dickinson, Ida, Lyon, Monona, O'Brien, Osceola, Palo Alto, Plymouth, Pocahontas, Sac, Sioux, Woodbury	11	0	0	0	0.0%
Region 4 - Adair, Adams, Audubon, Cass, Clarke, Decatur, Fremont, Guthrie, Harrison, Madison, Mills, Montgomery, Page, Pottawattamie, Ringgold, Shelby, Taylor, Union	3	0	0	0	0.0%
Region 5 - Appanoose, Davis, Des Moines, Henry, Jefferson, Keokuk, Lee, Louisa, Lucas, Mahaska, Marion, Monroe, Muscatine, Van Buren, Wapello, Washington, Wayne	8	0	0	0	0.0%
Region 6 - Benton, Black Hawk, Buchanan, Cedar, Clayton, Clinton, Delaware, Dubuque, Iowa, Jackson, Johnson, Jones, Linn, Scott	94	8	0	0	8.5%
TOTAL	127	9	0	0	7.1%

*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/nrvss/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 (ILI²).



# sites reporting	4
Age 0-4	1
Age 5-24	4
Age 25-64	1
Age over 64	1
Total ILI	7
Total patients	1547
% ILI²	0.45%

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 ILI² or pneumonia who also have a positive influenza laboratory result. The total number of patients surveyed this week was 6,941.

