



Influenza and Respiratory Syncytial Virus (RSV) Weekly Activity Report



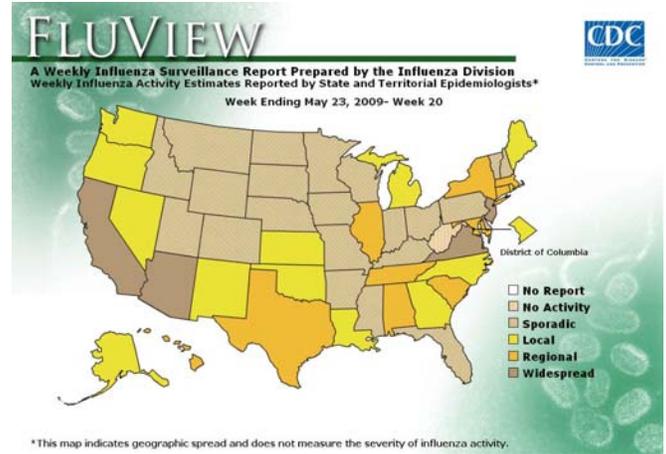
Iowa Influenza Surveillance Network (IISN)
For the week ending May 30, 2009, Week 21

Influenza Quick Stats*:

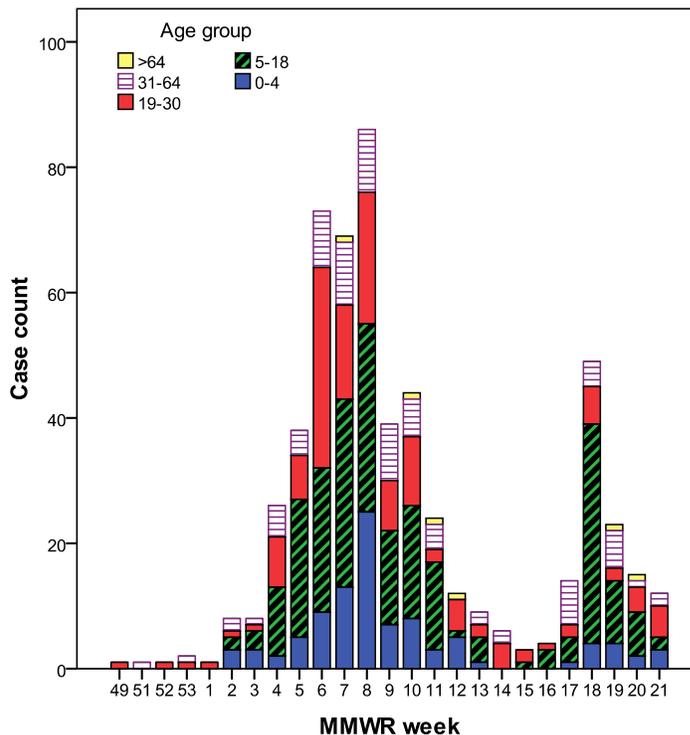
lowa activity level: **Sporadic¹**
Lab-confirmed cases: 12
Outpatient % ILI²: 0.88% (threshold 2.1%)
Hospitalizations for ILI²: 2

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).



Lab-confirmed influenza cases by age group



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.

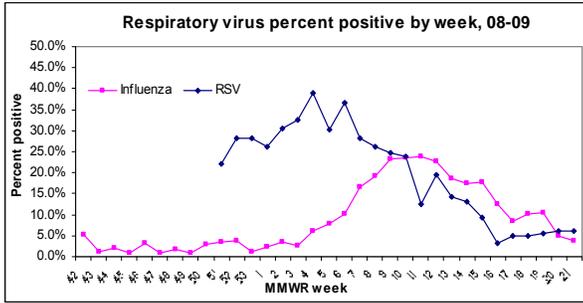
MMWR Week	H1	Novel A(H1N1)	H3	Flu A (PCR)	Flu B (PCR)	Total
49	0	0	0	1	0	1
51	0	0	0	1	0	1
52	0	0	1	0	0	1
53	2	0	0	0	0	2
1	1	0	0	0	0	1
2	4	0	2	2	0	8
3	3	0	1	4	0	8
4	22	0	2	0	3	27
5	30	0	2	0	6	38
6	53	0	1	6	13	73
7	42	0	1	8	18	69
8	42	0	0	26	17	86
9	1	0	0	24	13	39
10	3	0	1	17	26	47
11	9	0	0	0	15	24
12	4	0	0	0	8	12
13	5	0	2	0	2	9
14	2	0	4	0	0	6
15	0	1	0	0	3	3
16	0	2	0	2	2	4
17	8	39	3	3	0	14
18	6	24	2	41	0	49
19	6	7	1	16	0	23
20	0	13	3	12	0	15
21	0	12	0	3	0	12
Total	243	98	26	166	126	572

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

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

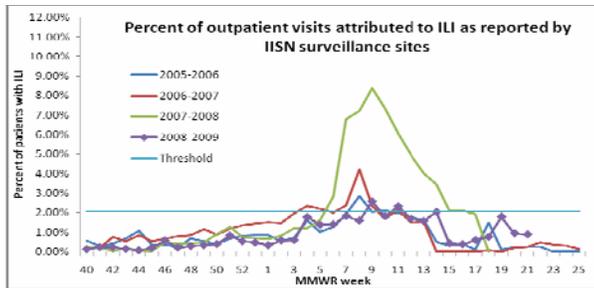
Region	INFLUENZA					RSV*		
	Tested	Flu A	Flu B	A/B	% Positive	Tested	Positive	% Positive
Region 1- Boone, Calhoun, Carroll, Dallas, Greene, Grundy, Hamilton, Hardin, Jasper, Marshall, Polk, Poweshiek, Story, Tama, Warren, Webster	51	1	1	0	3.9%	8	0	0.0%
Region 2- Allamakee, Bremer, Butler, Cerro Gordo, Chickasaw, Emmet, Fayette, Floyd, Franklin, Hancock, Howard, Humboldt, Kossuth, Mitchell, Winnebago, Winneshiek, Worth, Wright	7	0	0	0	0.0%	1	0	0.0%
Region 3- Buena Vista, Cherokee, Clay, Crawford, Dickinson, Ida, Lyon, Monona, O'Brien, Osceola, Palo Alto, Plymouth, Pocahontas, Sac, Sioux, Woodbury	24	1	0	0	4.2%	2	0	0.0%
Region 4- Adair, Adams, Audubon, Cass, Clarke, Decatur, Fremont, Guthrie, Harrison, Madison, Mills, Montgomery, Page, Pottawattamie, Ringgold, Shelby, Taylor, Union	11	0	0	0	0.0%	3	2	66.7%
Region 5- Appanoose, Davis, Des Moines, Henry, Jefferson, Keokuk, Lee, Louisa, Lucas, Mahaska, Marion, Monroe, Muscatine, Van Buren, Wapello, Washington, Wayne	25	0	0	0	0.0%	13	1	7.7%
Region 6- Benton, Black Hawk, Buchanan, Cedar, Clayton, Clinton, Delaware, Dubuque, Iowa, Jackson, Johnson, Jones, Linn, Scott	119	6	0	0	5.0%	23	0	0.0%
TOTAL	237	8	1	0	3.8%	50	3	6.0%

*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):

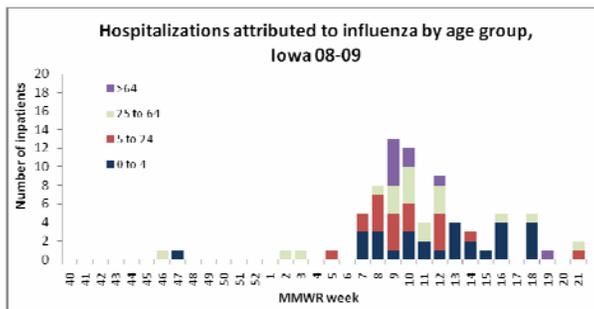
There are 18 sentinel surveillance sites throughout Iowa surveying patient populations for influenza-like illness (ILI²).



# sites reporting	6
Age 0-4	4
Age 5-24	4
Age 25-64	6
Age over 64	0
Total ILI	14
Total patients	1580
% ILI²	0.88%

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 401.



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