

Madison County Communicable Disease Activity: Week 9, ending 3/3/18

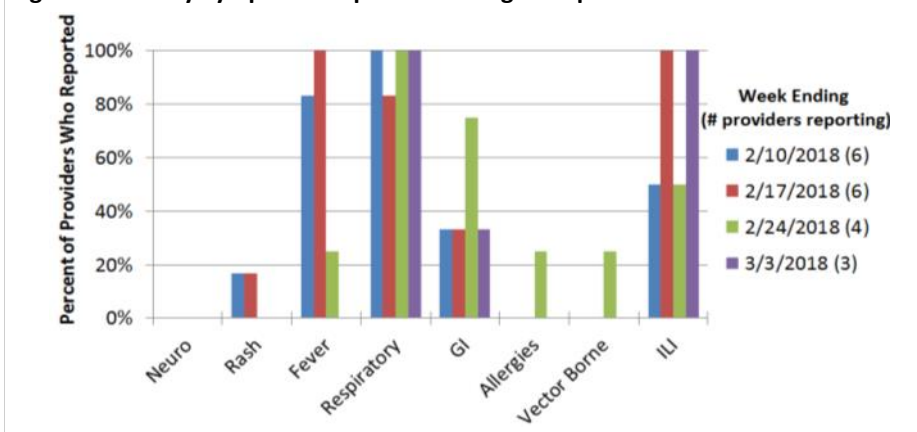
**Information denoted with an asterisk is subjective and provided on a voluntary basis.*

COMMUNICABLE DISEASES: Madison County

Communicable Diseases Reported to the Health Department: 5 Chlamydia, 1 Giardia, 1 Chronic Hepatitis C, 1 Lyme disease, and 1 Syphilis

Primary Care Providers Reported*: Respiratory illness, gastrointestinal illness (GI), upper respiratory illness (URI), influenza-like illness (ILI), flu, sore throats, strep throat, and sinus infections (Figure 1).

Figure 1: Weekly Symptoms Reported Among a Proportion of Healthcare Providers



Hospitals Reported:

Rash, fever, respiratory illness, GI, ILI, flu, and URI

College Health Centers Reported*: Fever, respiratory illness, GI, ILI, strep throat, colds, and URI

Syndromic Surveillance in Emergency Department—2/23/18 to 3/3/18: No clusters of illness were reported

Medicaid Over-the-Counter (OTC) & Script Medication Alerts—2/10/18 to 2/19/18: Mild/moderate sensitivity for penicillinase-resistant antibiotics and moderate sensitivity for systemic and topical nasal products



**How are we are doing?
Take our 5 minute survey.**

[CLICK HERE](#) to take the survey.

or paste this URL into your web browser:
<https://www.surveymonkey.com/r/DSRC2018>



This report does *not* reflect the severity of flu activity.

Madison County Disease Surveillance & Risk Report

Madison County Flu Activity: Week 9, ending 3/3/18: *Regional (decreasing)*

No Report

No Activity

Sporadic

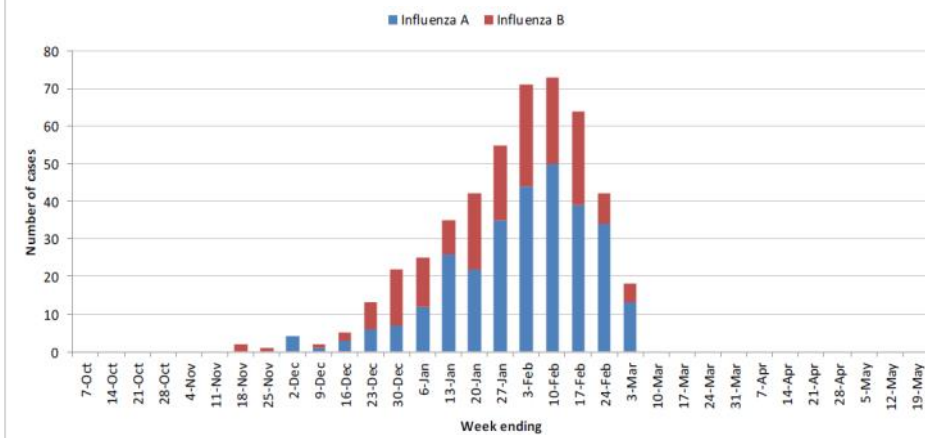
Local

Regional

Widespread

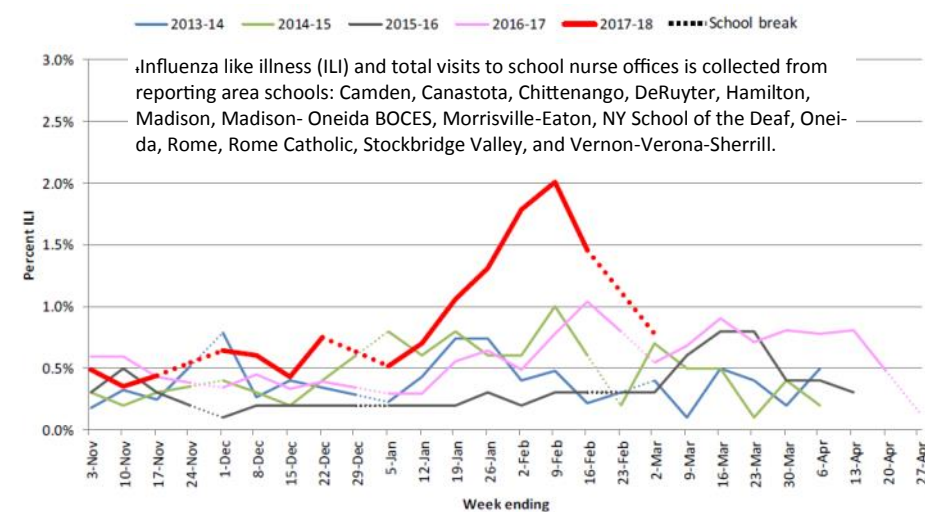
Weekly Lab-confirmed flu: 18 cases (13 flu Type A and 5 flu Type B) were reported; this is a 57% decrease from the previous week (Figure 3).

Figure 3: Positive Flu Laboratory Results Reported to Madison County, by Type- 2017-18



Schools Districts*: 0.8% of children seen by school nurses had symptoms of influenza-like illness (Figure 4).

Figure 4: Proportion of ILI-related School Nurses Visits† by Season



College Health Centers*: ILI was reported

Primary Care Providers*: ILI and flu was reported

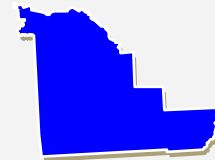
Flu-Associated Pediatric Deaths: No reports this season to date. (Flu-associated deaths only in children younger than 18 years old are nationally notifiable.)

Influenza-like or flu-like illness (ILI) includes:

- 1) a fever greater than 100°F measured with a thermometer AND
- (2) a cough AND/OR sore throat in the absence of a known cause other than influenza.

Total Lab Confirmed Flu Reported to Date:

474 (296 Flu Type A-62% & 178 Type B-38%), this is 149% higher than average (190), to date.



Incidence Rate (the number of new flu cases): 24.5 per 100,000 population



Hospitals: ILI and flu reported

Flu-Related Hospitalizations: 3 hospitalized patient with lab-confirmed flu were reported in Madison County; this is a 40% decrease from the previous week (5). A total of 54 hospitalizations have been reported this season to date (Fig. 4).

FLU: Madison County

Madison County Disease Surveillance & Risk Report

New York State Flu Activity: Week 8, ending 2/24/18: **Widespread (decreasing)**

No Report

No Activity

Sporadic

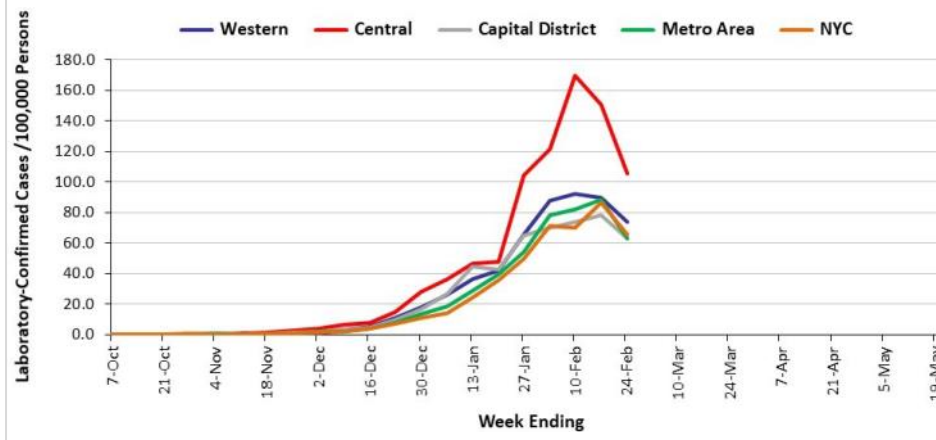
Local

Regional

Widespread

Weekly Lab-Confirmed Flu: 13,703 reports, a 25% decrease over last week (Figure 5). Flu was reported in 61 counties.

Figure 5: Incidence of Positive Flu Lab Results Reported to NYSDOH—By REGION, 2017-18

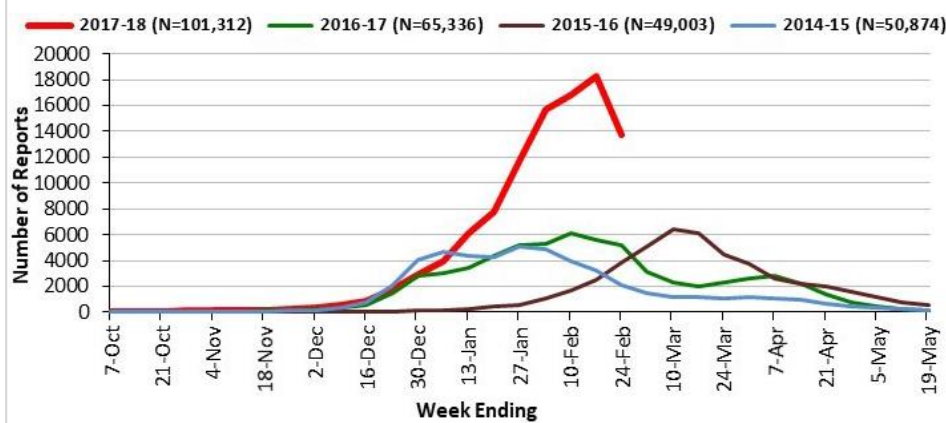


Incidence (the # of new cases) of lab-confirmed flu is calculated based on lab-confirmed influenza cases per 100,000 population.

Incidence ranged from: 0-197.28 cases per 100,000 population.

ILInet Healthcare Providers: 7.38% of weekly patient complaints were flu-like illness (ILI); this a decrease from the previous week and is above the regional baseline of 3.10% (Figure 6). (ILInet providers report the total number of patients seen and the total number of those with complaints of influenza-like illness (ILI) weekly in an outpatient setting.)

Figure 6: Positive Flu Lab Results Report to NYS, by Season



Flu-Related Hospitalizations: 1,702 reports, a 21% decrease over last week.

Flu-Associated Pediatric Deaths: No reports this week. Five deaths were reported this season to date.

FLU: New York State

Madison County Disease Surveillance & Risk Report

National Flu Activity: Week 8, ending 2/24/18: **Widespread (decreasing)**

No Report

No Activity

Sporadic

Local

Regional

Widespread

Flu activity **decreased** in the U.S.

Geographic Flu Activity Summary (Figure 7):

(Geographic spread of influenza viruses, not a measure of severity.)

- Widespread influenza activity was reported by Puerto Rico and 45 states
- Regional influenza activity was reported by Guam and two states
- Local influenza activity was reported by the District of Columbia and three states
- No influenza activity was reported by the U.S. Virgin Islands.

Flu Activity from ILINet Data (Figure 8):

New York City, the District of Columbia, and 32 states experienced high activity; Puerto Rico and nine states experienced moderate ILI activity; six states experienced low ILI activity; and three states experienced minimal ILI activity. *(This data is based on the percent of outpatient visits in a state due to ILI compared to the average percent of ILI visits during weeks with little or no influenza virus circulation.)*

U.S. ILInet Healthcare Providers:

Outpatient illness visits reported through the Network was 5.0%, this percentage is *above* the national baseline of 2.2% but a decrease from the previous week. All 10 regions in the U.S. reported flu-like illness *at or above* their region-specific baselines.

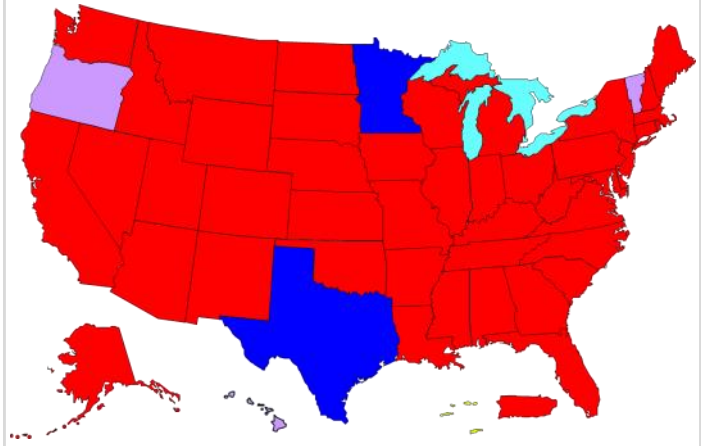
Flu and Pneumonia-Associated Deaths:

9.0% of all deaths reported through the National Center for Health Statistics mortality surveillance data, occurring during week 6 ending 2/10, were attributed to pneumonia and flu; this is *above* the week 6 epidemic threshold of 7.4%.

Flu-Associated Pediatric Deaths:

17 pediatric deaths were reported during week 8. 114 flu-associated pediatric deaths have been reported this season to date.

Figure 7: Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists
(This figure does not measure the severity of influenza activity.)



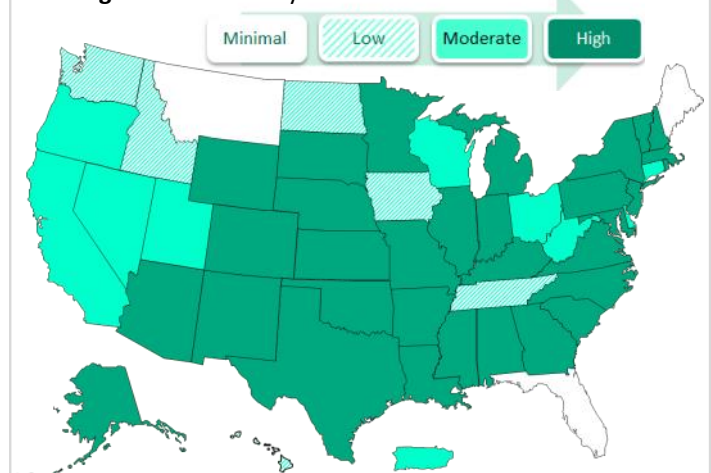
Overall Flu-Related

Hospitalization Rate: 81.7
per 100,000 population.

The highest rate of hospitalization was among adults aged ≥65 years (350.7 per 100,000 population).



Figure 8: ILI Activity from ILINet Data



ILI Net Data based on percent of outpatient visits in states due to ILI, more on Fig. 2 at: <http://1.usa.gov/1d3PGtv>

Sources: FluView: Weekly U.S. Influenza and Surveillance Report. Centers for Disease Control and Prevention. <http://1.usa.gov/1eDDFhh>

FLU: United States