

Madison County Communicable Disease Activity: Week 10, ending 3/10/18

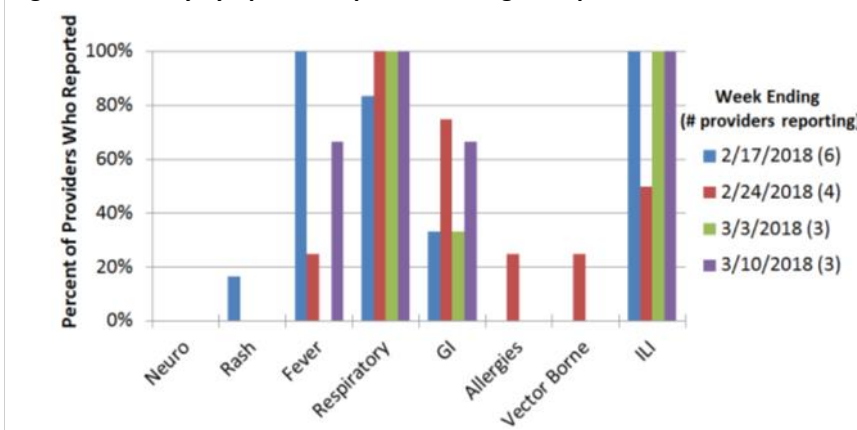
**Information denoted with an asterisk is subjective and provided on a voluntary basis.*

COMMUNICABLE DISEASES: Madison County

Communicable Diseases Reported to the Health Department: 6 Chlamydia

Primary Care Providers Reported*: Fever, respiratory illness, gastrointestinal illness (GI), upper respiratory illness (URI), influenza-like illness (ILI), cough, flu, sore throats, and bronchitis (Figure 1).

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



Hospitals Reported:

Rash, fever, respiratory illness, gastrointestinal illness (GI), and influenza-like illness (ILI)

How are we are doing?
Take our 2 minute survey.

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

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

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

Syndromic Surveillance in Emergency Department—3/2/18 to 3/11/18: No clusters of illness were reported

Medicaid Over-the-Counter (OTC) & Script Medication Alerts—2/16/18 to 2/28/18: No alerts



Issue Highlight: Safe Sleep

Approximately 3,500 sleep-related deaths among U.S. babies occur each year. Safe sleep practices can help lower the risk of sleep related infant deaths.

- ◆ Place baby on his or her back for all sleep times
- ◆ Use a firm sleep surface
- ◆ Keep soft bedding such as pillows, bumper pads, soft toys and soft blankets out of baby's sleep area
- ◆ Room share, but not bed share with babies

Contact the Madison County Health Department's Maternal Child Health Program about available Safe Sleep training, baby "Sleep Sacks" and "Pack 'n Plays" at 315-366-2848 or email health@madisoncounty.ny.gov. More about safe sleep: cdc.gov/vitalsigns/safesleep

Figure 2:



Madison County Disease Surveillance & Risk Report

Madison County Flu Activity: Week 10, ending 3/10/18: **Widespread**

No Report

No Activity

Sporadic

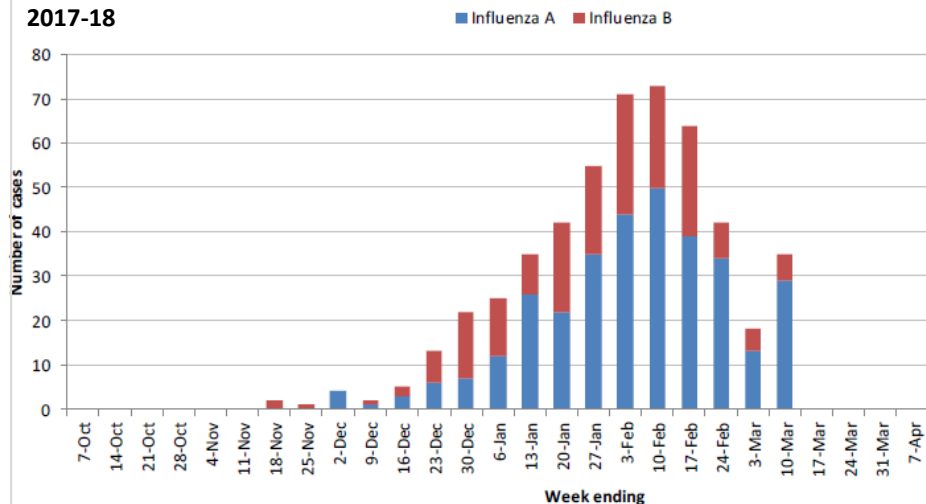
Local

Regional

Widespread

Weekly Lab-confirmed flu: 35 cases (29 flu Type A and 6 flu Type B) were reported; this is a 94% increase from the previous week (Figure 3).

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



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:

509 (325 Flu Type A-64% & 184 Type B-36%), this is 152% higher than average (202), to date.



Incidence Rate (the number of new flu cases): 47.7 per 100,000 population



Hospitals:

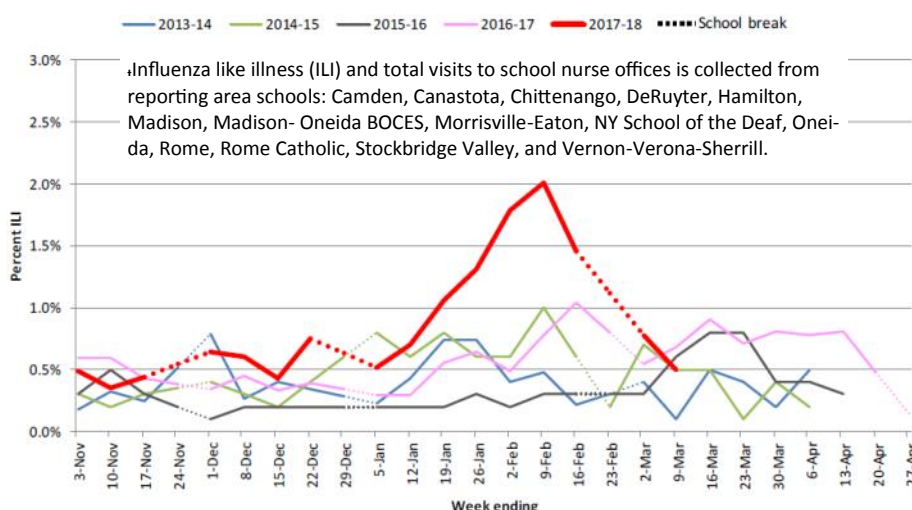
ILI was reported

Flu-Related

Hospitalizations: No hospitalized patients with lab-confirmed flu were reported in Madison County; this is a 100% decrease from the previous week (5). A total of 54 hospitalizations have been reported this season to date.

Schools Districts*: 0.5% of children seen by school nurses had symptoms of influenza-like illness; this is a decrease from the previous week (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.)

FLU: Madison County

Madison County Disease Surveillance & Risk Report

New York State Flu Activity: Week 9, ending 3/3/18: **Widespread (decreasing)**

No Report

No Activity

Sporadic

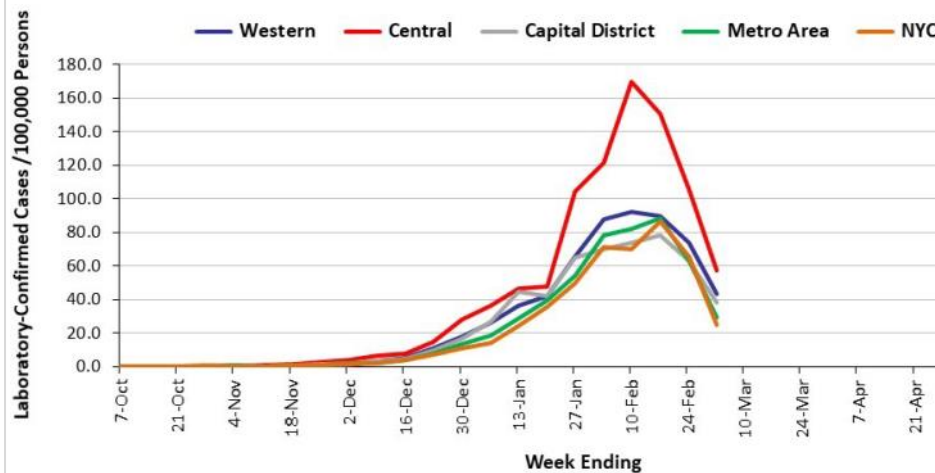
Local

Regional

Widespread

Weekly Lab-Confirmed Flu: 6,414 reports, a 53% 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.

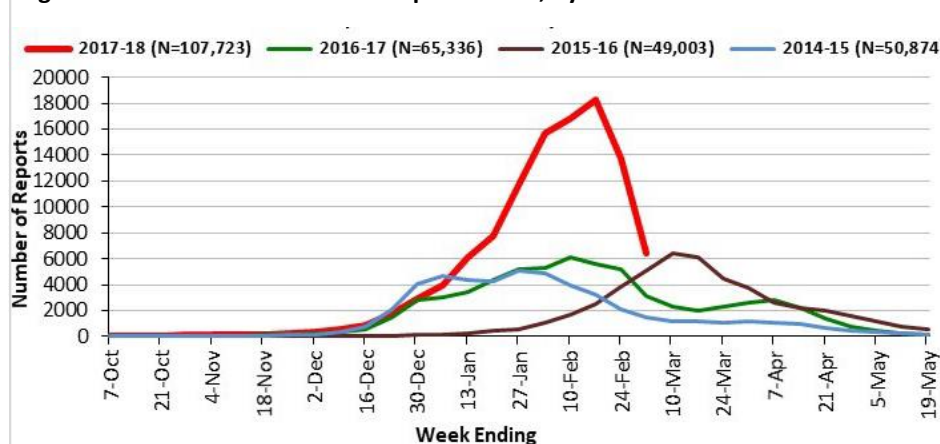
Incidence ranged from: 0-148.89 cases per 100,000 population.

ILInet Healthcare

Providers: 5.21% 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:

1,026 reports, a 41% 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 9, ending 3/3/18: **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 34 states
- **Regional** influenza activity was reported by Guam and 12 states
- **Local** influenza activity was reported by the District of Columbia and four states
- No influenza activity was reported by the U.S. Virgin Islands.

Flu Activity from ILINet Data (Figure 8):

New York City and 21 states experienced high activity; fifteen states experienced moderate ILI activity; the District of Columbia, Puerto Rico and five states experienced low ILI activity; and nine 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 3.7%, 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.

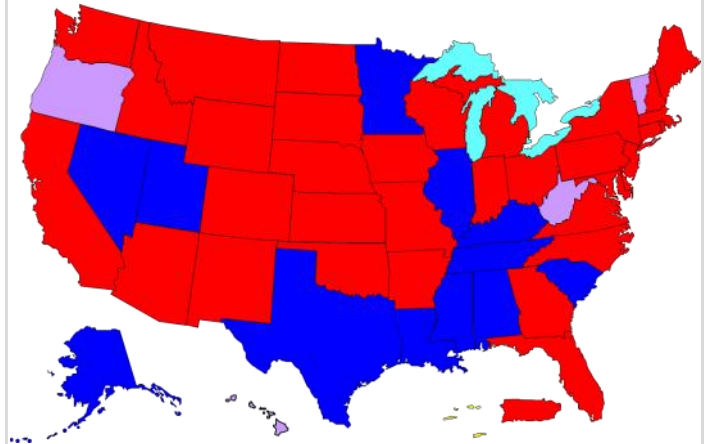
Flu and Pneumonia-Associated Deaths:

8.8% of all deaths reported through the National Center for Health Statistics mortality surveillance data, occurring during week 7 ending 2/17, were attributed to pneumonia and flu; this is *above* the week 7 epidemic threshold of 7.4%.

Flu-Associated Pediatric Deaths:

Five pediatric deaths were reported during week 9. 119 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.)



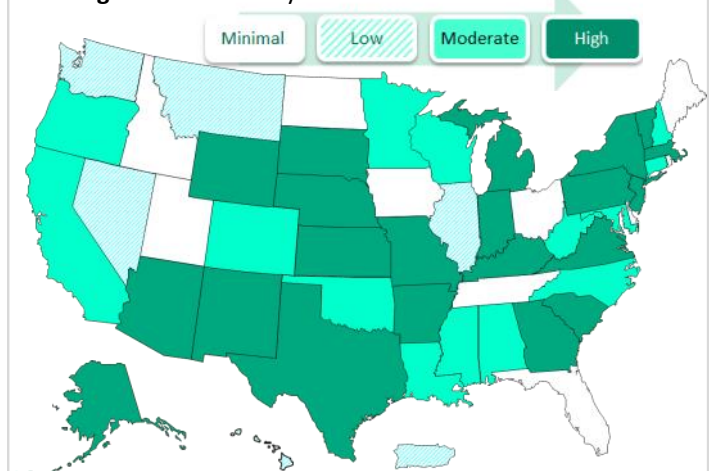
Overall Flu-Related

Hospitalization Rate: 86.3
per 100,000 population.

The highest rate of hospitalization was among adults aged ≥65 years (370.6 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