

**Madison County Communicable Disease Activity: Week 43, ending 10/27/18**

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

**COMMUNICABLE DISEASES: Madison County**

**Communicable Diseases Reported:**

2 Chlamydia, 1 gonorrhea, 2 chronic Hepatitis C, and 2 Lyme disease

**Primary Care Providers Reported\*:**

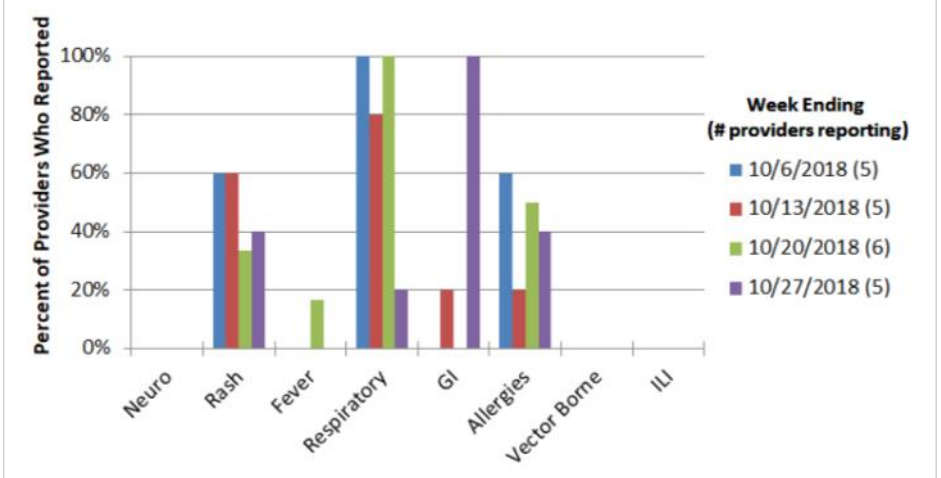
Rash, respiratory illness, upper respiratory illness (URI), allergies, strep throat, sore throats, gastrointestinal illness, sinus infections, coxsackie virus, and coughs (Fig. 1).

**Colleges Reported:** Fever, respiratory illness, mononucleosis (mono), upper respiratory infections, sinusitis, sore throats and strep throat

**Syndromic Surveillance in Emergency Department—10/19/18 to 10/27/18:** No clusters of illness reported

**Medicaid Over-the-Counter (OTC) & Script Medication Alerts—10/5/18 to 10/14/18:** No alerts

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



**Hospitals Reported:** Rashes, fever, respiratory illness, and gastrointestinal illness (GI), neurologic illness<sup>1</sup>, asthma, and influenza-like illness (ILI)



<sup>1</sup> **May include:** non-specific diagnosis of neurological infection (e.g. Meningitis, etc.) or non-specific conditions (e.g. headache, dizziness, blurry/double vision, speech difficulty, confusion, disorientation, or anxiety)



**Issue Highlight: Be Prepared, Get Your Flu Shot. The Flu Season is Starting.**

The 2017-18 flu season was record breaking nationally with a reported 900,000 hospitalizations and approximately 80,000 deaths, according to the CDC. 183 of those deaths were under 18, and about 80% were not vaccinated for the flu that season.

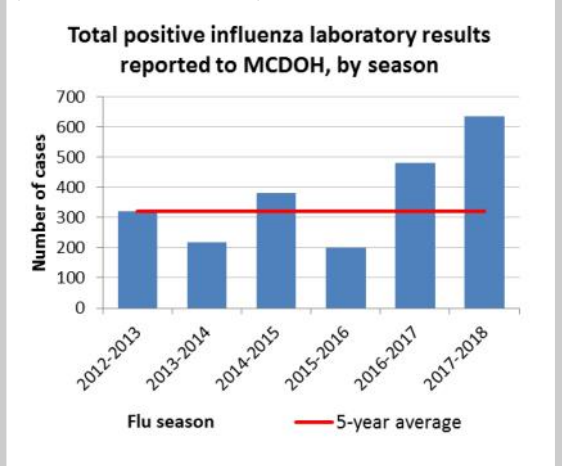
**Getting a flu shot is the best way to protect yourself from the flu.**

- Everyone over 6 months old should get the flu shot
- Pharmacies are now able to give flu shots to children over 2 years
- It takes 2 weeks for a flu shot to provide protection from the flu
- Flu vaccine cannot cause flu illness



Learn more at [www.CDC.gov/flu](http://www.CDC.gov/flu)

**Figure 2: The 17-18 flu season was much higher than the previous 5 seasons in Madison County. (Source: NYSDOH, CDESS)**



# Madison County Disease Surveillance & Risk Report

## Madison County Flu Activity: Week 43, ending 10/27/18: No Activity

No Report

**No Activity**

Sporadic

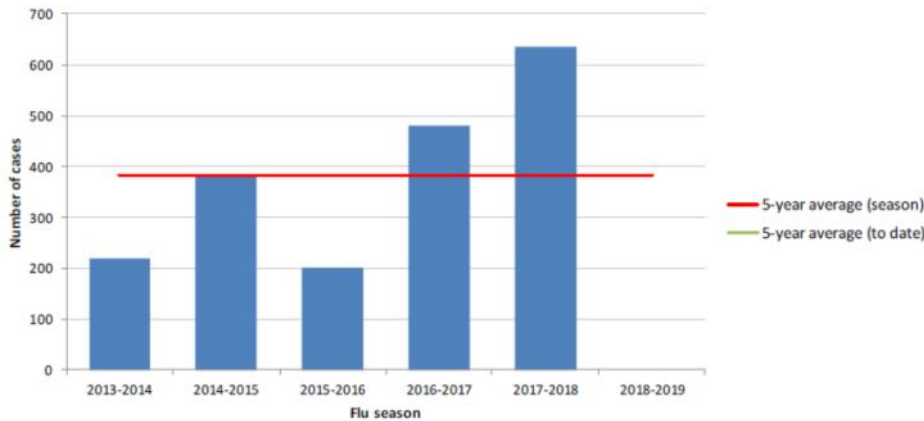
Local

Regional

Widespread

**Weekly Lab-confirmed flu:** No flu cases were reported; no change from the previous week.

**Figure 3:** Total positive influenza laboratory results reported to MCDOH, by season



**Schools Districts\*:** ILI reporting has not begun for the 2018-19 flu season.

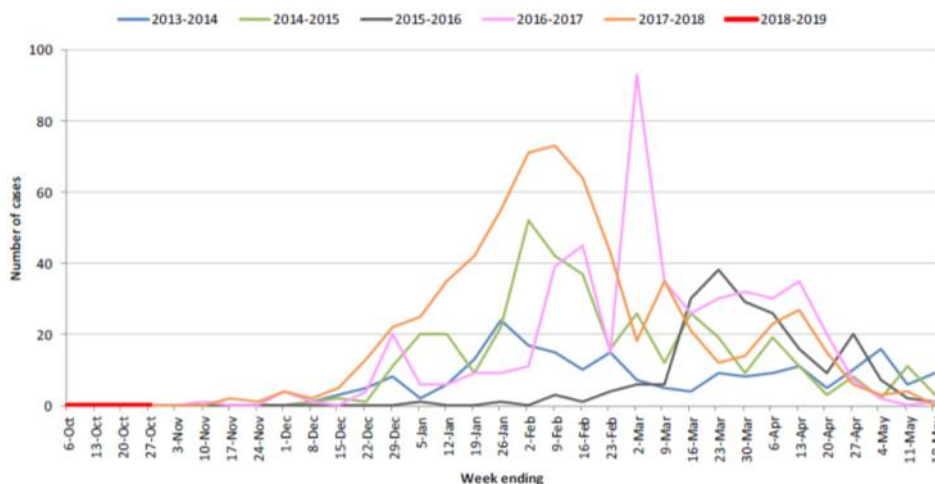
**College Health Centers\*:** No ILI or flu was reported

**Primary Care Providers\*:** No ILI or 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.)

**Figure 4:** Positive influenza laboratory results reported to MCDOH, by season



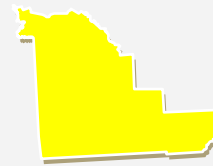
**Influenza-like or flu-like illness (ILI) includes:**

- 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:**

None to date

**Incidence Rate** (the number of new flu cases): 0.0 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 *no change* from the previous week (0). No hospitalizations have been reported this season to date.

FLU: Madison County

# Madison County Disease Surveillance & Risk Report

## New York State Flu Activity: Week 42, ending 10/20/18: **Sporadic**

No Report

No Activity

**Sporadic**

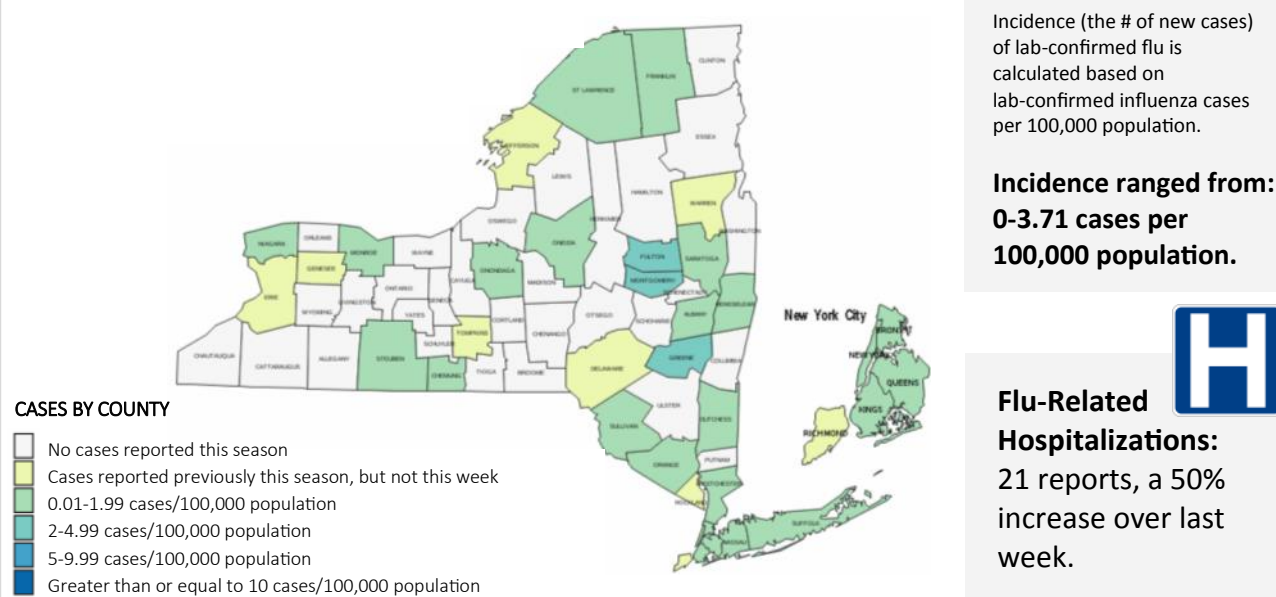
Local

Regional

Widespread

**Weekly Lab-Confirmed Flu:** 77 reports, a 20% *increase* over last week (Figure 5). Flu was reported in 24 counties.

**Figure 5: Lab-Confirmed Flu Reported by County to NYS, for the week ending October 20, 2018.**

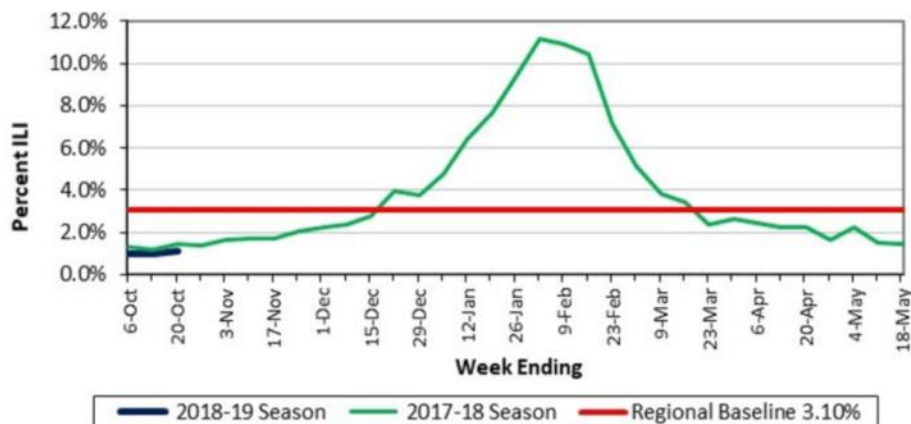


FLU: New York State

**ILInet Healthcare Providers:** 1.13% of weekly patient complaints were flu-like illness (ILI); this is an *increase* from the previous week and is *below* 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.)

**Flu-Associated Pediatric Deaths:** No reports this week. One death was reported this season to date.

**Figure 6: Percent of Influenza-Like Illness (ILI) base on total ILINet Provider Patient Visits each week in NYS, by Season**



# Madison County Disease Surveillance & Risk Report

## National Flu Activity: Week 42, ending 10/20/18: **Sporadic**

No Report

No Activity

**Sporadic**

Local

Regional

Widespread

Flu activity was **low** in the U.S.

### Geographic Flu Activity Summary (Figure 7):

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

- Local influenza activity was reported by four states
- Sporadic influenza activity was reported by the District of Columbia, Puerto Rico, the U.S. Virgin Islands and 42 states
- No influenza activity was reported by four states
- Guam did not report.

### Flu Activity from ILINet Data (Figure 8):

Puerto Rico and one state experienced low ILI activity; and New York City, the District of Columbia, and 49 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:

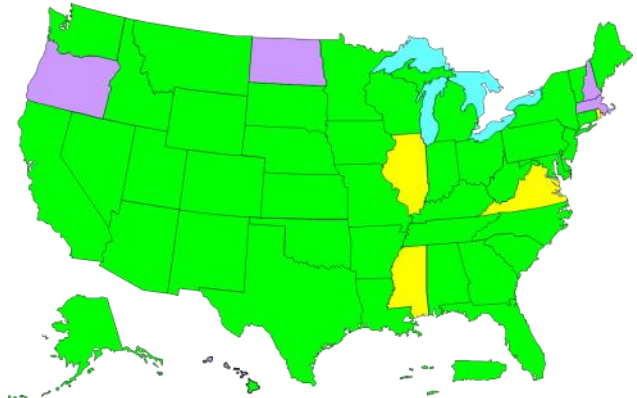
Outpatient illness visits reported through the Network was 1.5%, this percentage is *below* the national baseline of 2.2% and only a slight increase from the previous week. All 10 regions in the U.S. reported flu-like illness *below* their region-specific baselines.

### Flu and Pneumonia-Associated Deaths:

5.3% of all deaths reported through the National Center for Health Statistics mortality surveillance data, occurring during week 41, ending October 13, were attributed to pneumonia and flu; this is *below* the epidemic threshold of 5.9%.

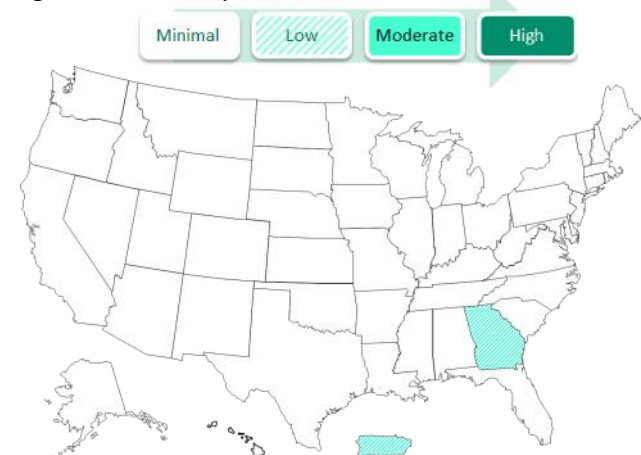
**Flu-Associated Pediatric Deaths:** No pediatric deaths was reported during week 41. 1 flu-associated pediatric deaths has been reported this season to date.

**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:**  
Data not yet available

**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/1eDDFh>