

**Madison County Communicable Disease Activity: Week ending 1/20/18**

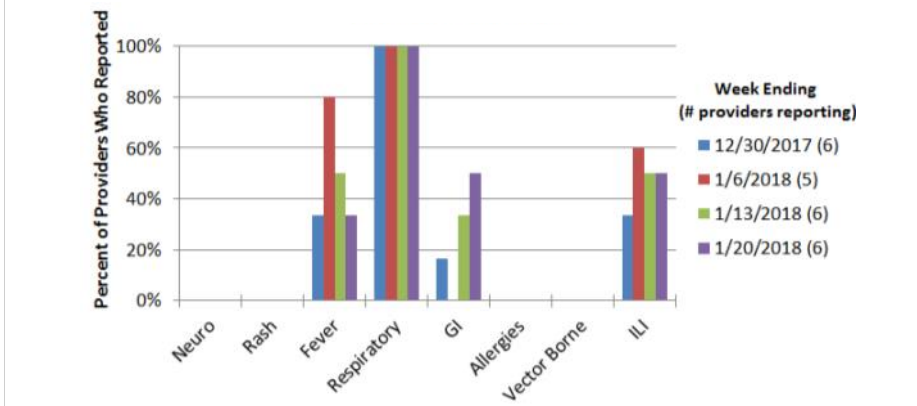
*\*Information denoted with an asterisk is subjective and provided on a voluntary basis.*

COMMUNICABLE DISEASES: Madison County

**Communicable Diseases Reported to the Health Department:** 4 Chlamydia and 1 new chronic Hepatitis C

**Primary Care Providers Reported\*:** Fever, respiratory illness, gastrointestinal illness (GI), upper respiratory illness (URI), bronchitis, influenza-like illness (ILI), flu, strep throat, sore throats, coughs, pneumonia, sinus infections, and respiratory syncytial virus (RSV); see figure 1.

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



**Hospitals Reported:**

Rash, fever, respiratory illness, GI, URI, ILI, flu, pneumonia, and respiratory syncytial virus (RSV)

**College Health Centers Reported\*:** No reports due to winter break

**Syndromic Surveillance in Emergency Department—1/12/18 to 1/20/18:** No alerts reported

**Medicaid Over-the-Counter (OTC) & Script Medication Alerts—12/30/17 to 1/8/18:** Mild/moderate sensitivity for Influenza Agents (Flu antiviral medications)



**Issue Highlight: Radon**

- **40%** of Madison County homes tested for radon have elevated levels (tested in the basement, elevated is >4pCi/L)
- Radon is the **#1** cause of lung cancer in nonsmokers

Exposure to radon is preventable:

- 1) The EPA and US Surgeon General recommend that all homes be tested for radon
- 2) If a high level is detected in your home, you can take steps to fix the problem to protect yourself and your family

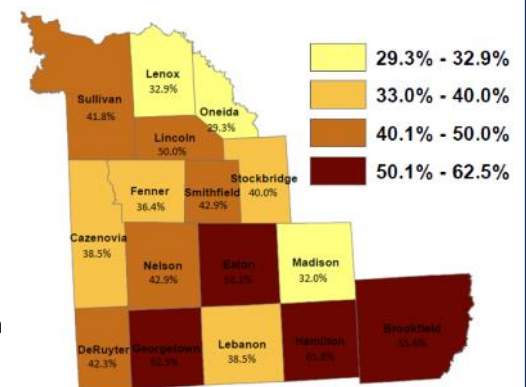
**Order Your Low-Cost Home Radon Test Kit:**

<https://www.health.ny.gov/environmental/radiological/radon/testkit.htm> or call (315) 366-2526.

**Learn More About Radon, Testing, and Mitigation:** <https://www.health.ny.gov/environmental/radiological/radon/radon.htm>

**Physician's Guide to Radon:** <https://www.epa.gov/radon/physicians-guide-radon>

**Figure 1: Percent of Homes Tested\* with High Radon by Town, Madison County, 1987-2017**



Uncertainty may be large in towns with few tests (\* tested in basement)

# Madison County Disease Surveillance & Risk Report

## Madison County Flu Activity: Week 3, ending 1/20/18: **Widespread**

No Report

No Activity

Sporadic

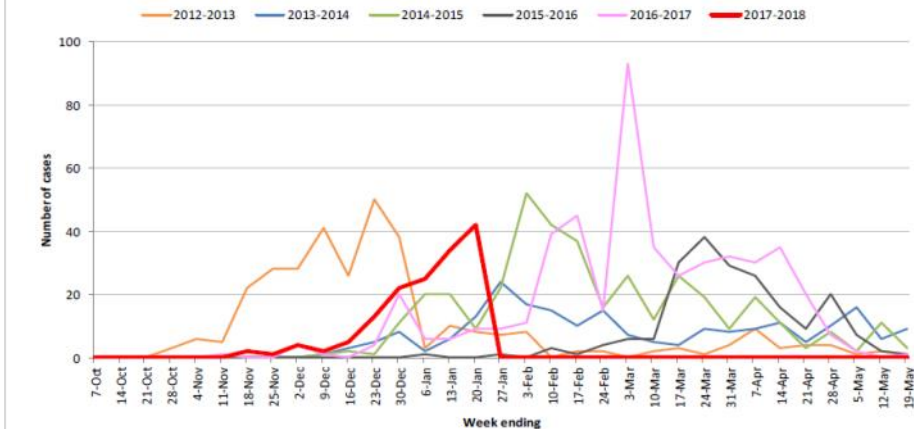
Local

Regional

**Widespread**

**Weekly Lab-confirmed flu:** 42 cases (22 flu Type A and 20 flu Type B) were reported; this is a 24% increase from the previous week.

**Figure 3: Positive Flu Laboratory Results Reported to Madison County, by Season**

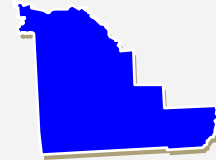


**Influenza-like or flu-like illness (ILI) includes:**

- 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:**

150 (80 Flu Type A-53% & 70 Type B-47%), this is 78% higher than average (84), to date.



**Incidence Rate (the number of new flu cases):** 57.2 per 100,000 population

**Hospitals:**

ILI and flu reported



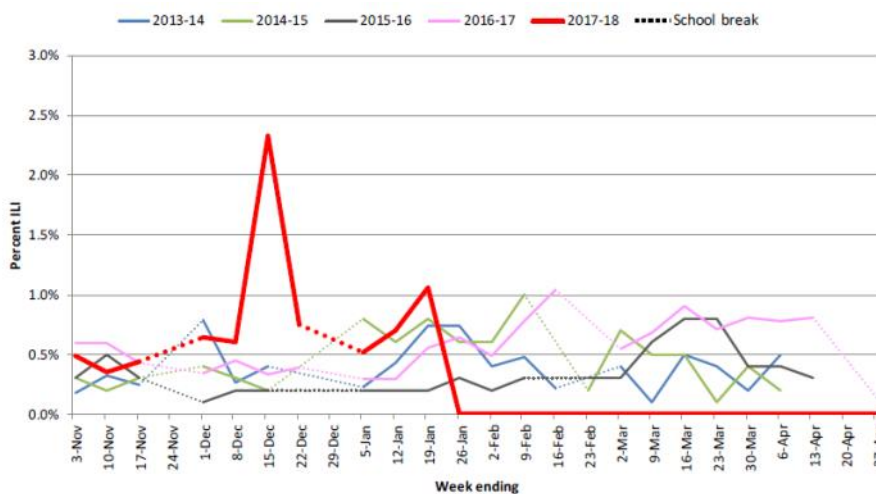
**Flu-Related**

**Hospitalizations:** 9 patients were hospitalized with lab-confirmed flu in Madison County, an increase from the previous week (6). A total of 26 hospitalizations have been reported this season to date.

FLU: Madison County

**Schools Districts\*:** 1.1% of children seen by school nurses from reporting schools appeared with symptoms of influenza-like illness

**Figure 4: Proportion of ILI-related School Nurses Visits<sup>†</sup> by Season**



<sup>†</sup>Influenza like illness (ILI) and total visits to school nurse offices is collected from reporting area schools: Camden, Canastota, Chittenango, DeRuyter, Hamilton, Madison, Madison-Oneida BOCES, Morrisville-Eaton, NY School of the Deaf, Oneida, Rome, Rome Catholic, Stockbridge Valley, and Vernon-Verona-Sherrill.

**College Health Centers\*:** No report due to the holiday break

**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.)

# Madison County Disease Surveillance & Risk Report

## New York State Flu Activity: Week 2, ending 1/13/18: **Widespread**

No Report

No Activity

Sporadic

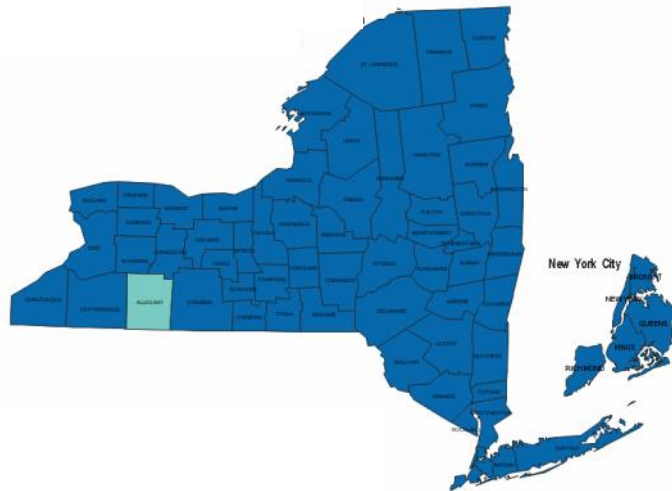
Local

Regional

**Widespread**

**Weekly Lab-Confirmed Flu:** 6,083 reports, a 54% increase over last week. Flu was reported in all 62 counties.

**Figure 5: Laboratory Reports of Influenza (including NYC)**



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

**Incidence ranged from:  
4.25-80.91 cases per 100,000 population.**

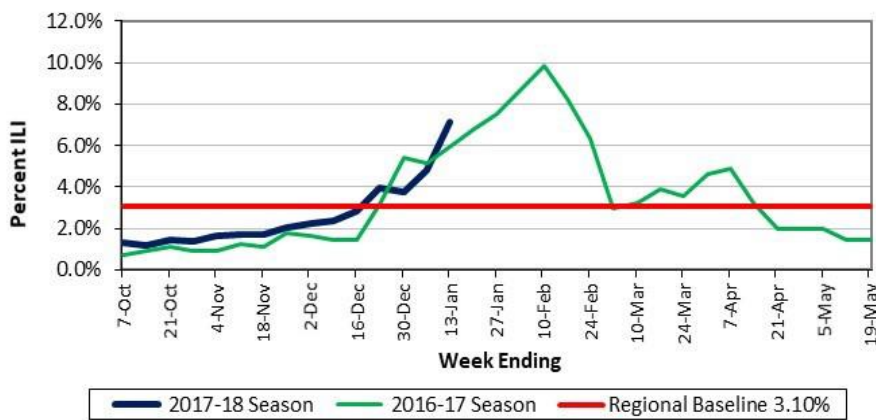
**CASES BY COUNTY**

- No cases reported this season
- Cases reported previously this season, but not this week
- 0.01-1.99 cases/100,000 population
- 2-4.99 cases/100,000 population
- 5-9.99 cases/100,000 population
- Greater than or equal to 10 cases/100,000 population

FLU: New York State

**ILInet Healthcare Providers:** 7.16% of weekly patient complaints were flu-like illness (ILI); this an increase from the previous week and is above the regional baseline of 3.10%. (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: Percent of Influenza-like Illness (ILI) based on total ILINet Provider Patient Visits each week in NYS, by Season**



**Flu-Related**

**Hospitalizations:**

1,606 reports, a 22% increase over last week.

**Flu-Associated Pediatric Deaths:** No reports this week. One death has been reported this season.

# Madison County Disease Surveillance & Risk Report

## National Flu Activity: Week 2, ending 1/13/18: **Widespread**

No Report

No Activity

Sporadic

Local

Regional

**Widespread**

Flu activity **increased** 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 49 states
- **Regional** influenza activity was reported by Guam.
- **Local** influenza activity was reported by the District of Columbia and one state
- **Sporadic** activity was reported by the U.S. Virgin Islands.

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

New York City, Puerto Rico, and 32 states experienced high activity; nine states experienced moderate ILI activity; the District of Columbia and 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 6.3%, this percentage is *above* the national baseline of 2.2%. All 10 regions in the U.S. reported flu-like illness *at or above* their region-specific baselines.

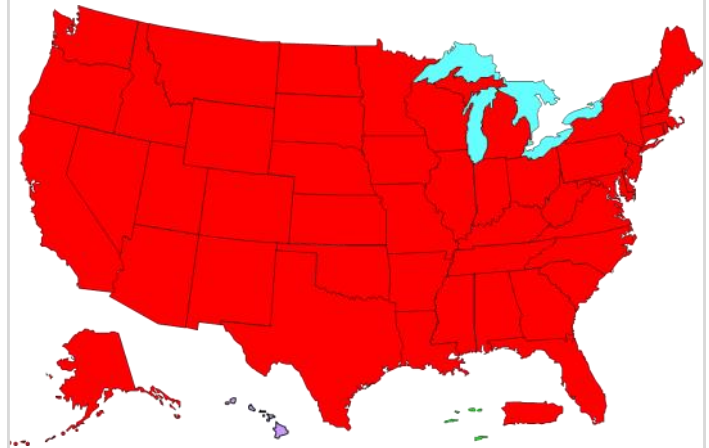
**Flu and Pneumonia-Associated Deaths:**

8.2% of all deaths reported through the National Center for Health Statistics mortality surveillance data, occurring during week 52 ending 12/30, were attributed to pneumonia and flu; this is *above* the week 52 epidemic threshold of 7.1%.

**Flu-Associated Pediatric Deaths:**

10 pediatric deaths were reported during week 2. 30 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.)



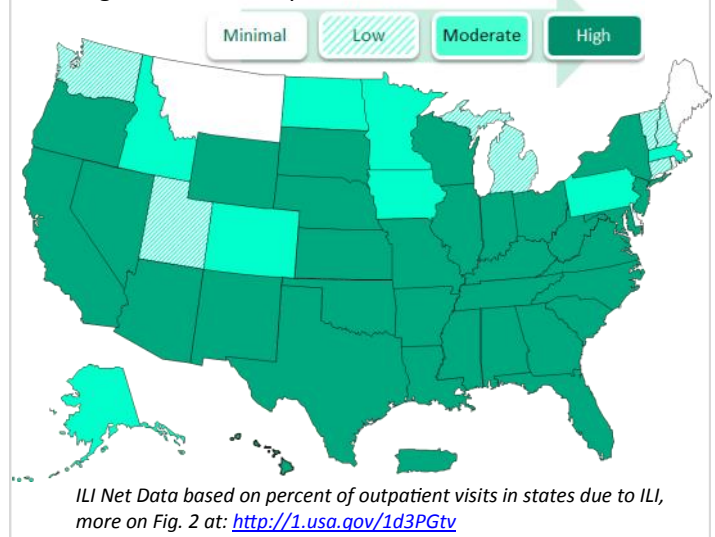
**Overall Flu-Related**

**Hospitalization Rate: 31.5**  
per 100,000 population.

The highest rate of hospitalization was among adults aged ≥65 years (136.5 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