

Disease Surveillance & Risk Report

No Report

No Activity

Sporadic

Local

Regional

Widespread

Severe

DEFINITION of Influenza-like or Flu-Like Illness: (ILI):

1) Fever > 100°F measured with a thermometer AND (2) Cough AND/OR sore throat in the absence of a known cause other than influenza

Madison County Flu Activity, week ending 12/30/17

Flu Activity: Regional

Weekly Lab-confirmed flu: 19 cases (6 flu Type A and 13 flu Type B) were reported, a 46% increase from the previous week.

Total lab-confirmed flu cases reported to date: 46 (20 flu Type A and 26 flu Type B)—this is 26% lower than average to date.

Schools Districts*: Schools did not report this week due to the holiday break

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

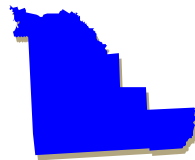
Primary Care Providers*: ILI and flu were reported

Hospitals: ILI and flu were reported

New York State Hospital Report (HERDS): Three flu related hospitalizations were reported by hospitals in Madison County; a total of five reports this season to date

Flu-Associated Pediatric Deaths: No reports season to date

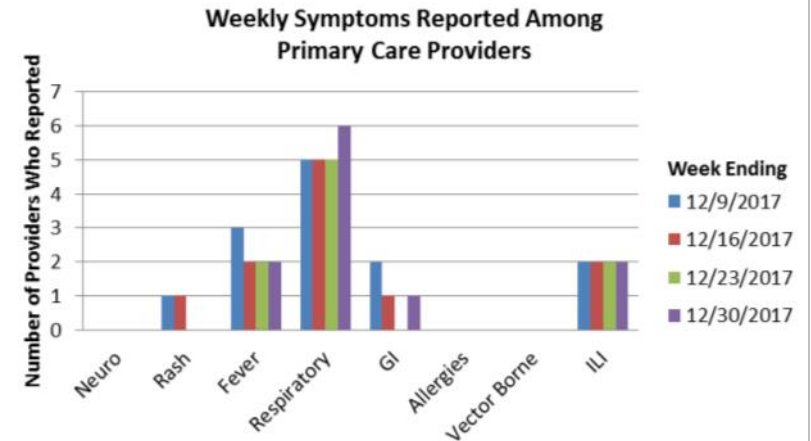
Incidence rate (the number of new flu cases):
25.9 per 100,000 population



Madison County Disease Surveillance Updates, week ending 12/30/17

Communicable Diseases Reported to the Health Department: 4 chlamydia, 1 Strep Group A, and 1 new chronic hepatitis C

Primary Care Providers Reported*: Fever, respiratory illness, gastrointestinal illness (GI), sinus infections, influenza-like illness (ILI), flu, respiratory syncytial virus (RSV), sore throats, strep throat, coughs, and colds, ear infections, wheezing, mono, pneumonia, and bronchitis; see graph.



Hospitals Reported*: Rash, fever, GI, respiratory illness, upper respiratory illness (URI), ILI, flu, pneumonia, strep throat, and RSV

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

Syndromic Surveillance in Emergency Department—12/22/17 to 12/30/17: No reports

Medicaid Over-the-Counter (OTC) & Script Medication Alerts—12/9/17 to 12/18/17: No alerts

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

FLU VACCINE EFFECTIVENESS. Preliminary results for this season's **flu vaccine effectiveness** (VE) in the US have not been released. According to the CDC, data suggests the flu vaccine continues to offer protection against all flu viruses, and can reduce the severity of illness for those who do get the flu. More at <https://www.cdc.gov/flu/about/season/flu-season-2017-2018.htm#effectiveness>.

View all past surveillance reports online at www.healthymadisoncounty.org

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

Week Ending: December 30, 2017

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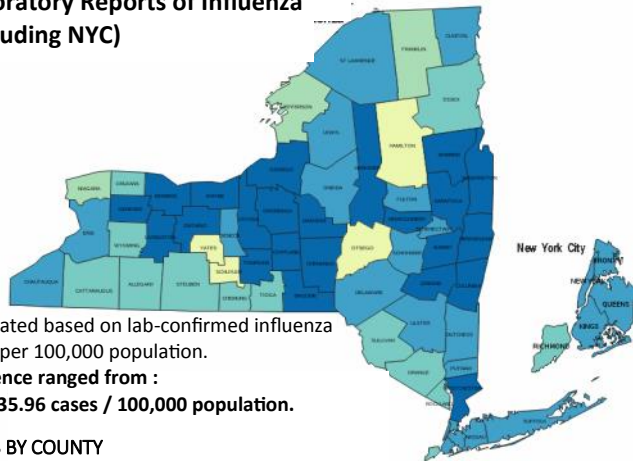
Severe

New York State Flu Activity

Flu Activity for the week ending 12/23/17: **Widespread**

- Lab-Confirmed Flu: 1,745 reports, a 96% increase over last week. Flu was reported in 58 counties.
- Flu-Related Hospitalizations: 457 reports, a 55% increase over last week.
- ILInet Healthcare Providers: 4.75% of patient complaints were from flu-like illness (ILI); this 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.)
- Flu-Associated Pediatric Deaths: No report this week. No deaths have been reported this season.

Laboratory Reports of Influenza (including NYC)



Source: New York State Department of Health. *Influenza Surveillance, Activity and Reports, 2015-16.* <http://on.ny.gov/1GTxdpF>

United States Flu Activity

Flu Activity for the week ending 12/23/17 (week 51): **Widespread**

(Flu activity increased sharply in the U.S.)

Geographic Flu Activity Summary:

- **Widespread** influenza activity was reported by 36 states
- **Regional** influenza activity was reported by Puerto Rico and 13 states
- **Local** influenza activity was reported by one state
- The District of Columbia, the U.S. Virgin Islands, and Guam did not report.

Surveillance Summary:

- 21 states experienced high activity; New York City and five states experienced moderate ILI activity; Eight states experienced low ILI activity; 14 states experienced minimal ILI activity; Data was insufficient to calculate an ILI activity level from the District of Columbia, Puerto Rico and two states
- 6.2% of all deaths reported through the National Center for Health Statistics mortality surveillance data occurring during week 49 ending 12/9, were attributed to pneumonia and flu; this is *below* the week 49 epidemic threshold of 6.8%.
- Outpatient illness visits reported through the U.S. ILI Network was 5.0%, 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.
- Three flu-associated pediatric deaths were reported during week 51. 12 flu-associated deaths have been reported this season to date.

Figure 1: Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists (This figure does not measure the severity of influenza activity.)

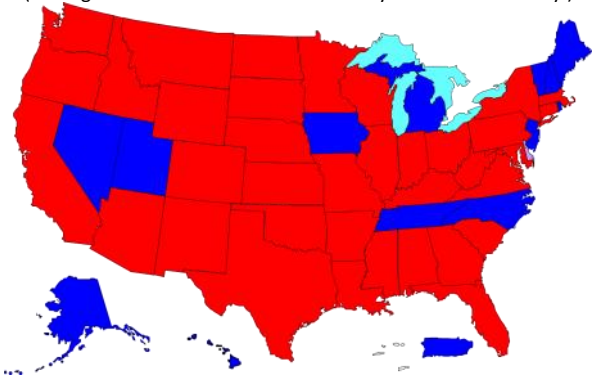
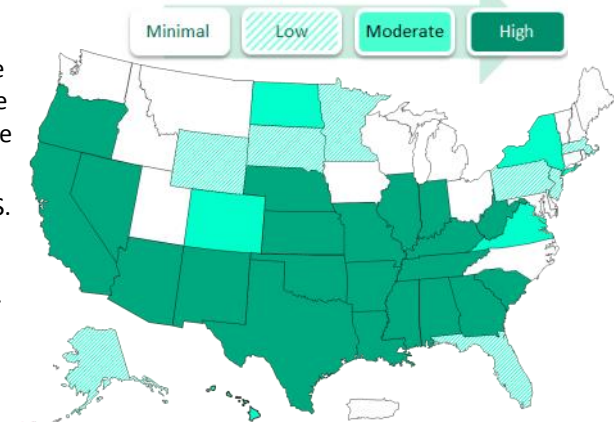


Figure 2: ILI Activity from ILINet Data



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>