

# 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

## Madison County Disease Surveillance Updates

### Flu Activity for the week 8, ending 2/25/17:

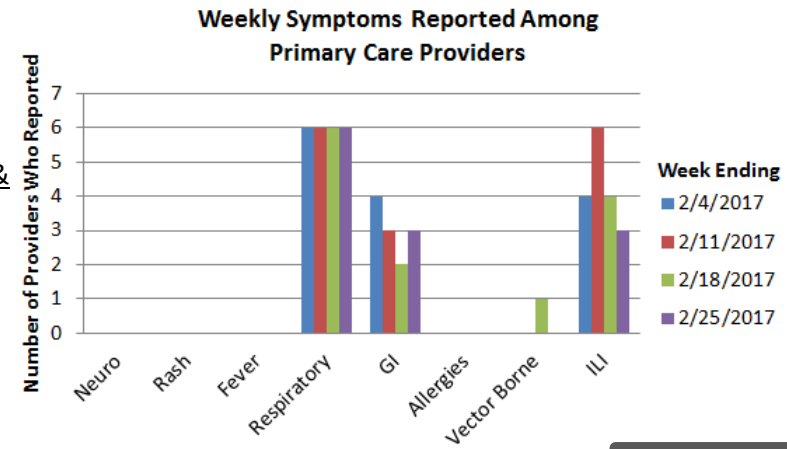
**Widespread**

- Lab-confirmed flu: 46 laboratory confirmed flu (34 flu Type A and 12 flu Type B) were reported. The season total to date of reported flu cases is: 211.
- Schools Districts\*: No report due to school break.
- College Health Centers\*: ILI and flu were reported
- Primary Care Providers\*: ILI and flu were reported
- New York State Hospital Report (HERDS): One flu related hospitalization reported by hospitals in Madison County for week 8. A total of 18 flu-related hospitalizations have been reported this season to date in Madison County.



### Reports for the week ending 2/25/17:

- Communicable Diseases Reported to the Health Department: 4 Chlamydia, Cryptosporidium, and 1 Gonorrhea
- Primary Care Providers Reported\*: Flu, ILI, respiratory infections, sinus infections (sinusitis), gastrointestinal illness (GI), strep throat, pneumonia, chronic obstructive pulmonary disease (COPD) exacerbations, bronchitis, and ear infections
- College Health Centers\*: Respiratory illness, GI, ILI, flu, URI, strep throat, and mono
- Schools Districts\*: No report due to school break.
- Hospital Weekly Surveillance\*: Flu, ILI, respiratory illness, URI, fever, pneumonia, and strep throat
- Syndromic Surveillance in Emergency Departments: Mild to moderate signals for fever and respiratory illness on 2/16/17 to 2/17/17
- Medicaid Over-the-Counter (OTC) & Script Medication Alerts—2/4/17 to 2/13/17: Mild to moderate sensitivity for influenza agents (antivirals)



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

\*\*Neurologic can include non-specific diagnosis of neurological infection (e.g. Meningitis, Encephalitis, etc.) or non-specific conditions (e.g. headache, numbness, dizziness, blurry/double vision, speech difficulty, confusion, disorientation, or anxiety)

# Disease Surveillance & Risk Report

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

**Week Ending: February 25, 2017**

No Report

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Widespread

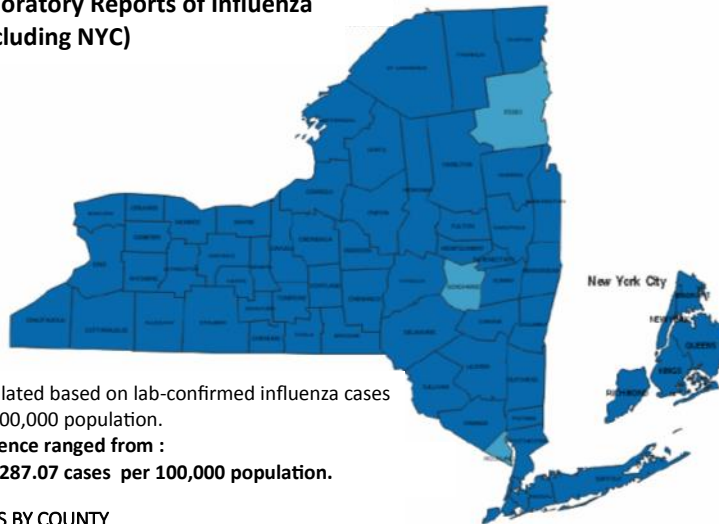
Severe

## New York State Flu Activity

### Flu Activity for the week ending 2/18/17 (week 7): **Widespread**

- Lab-Confirmed Flu: 5,575, a 8% decrease over last week. Flu was reported in all 62 counties.
- Flu-Related Hospitalizations: 863 reports, a 22% decrease over last week.
- A select group of providers across the state (outside of NYC) reported the percentage of office visits due to complaints of flu-like illness (ILI) was 9.14%; this is a decrease from last week, but remains above the regional baseline of 3.0%.
- Flu-Associated Pediatric Deaths: One report this week. There have been six flu-associated deaths this season to date.

### Laboratory Reports of Influenza (including NYC)



Calculated based on lab-confirmed influenza cases per 100,000 population.  
**Incidence ranged from : 5.17-287.07 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

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

## United States Flu Activity

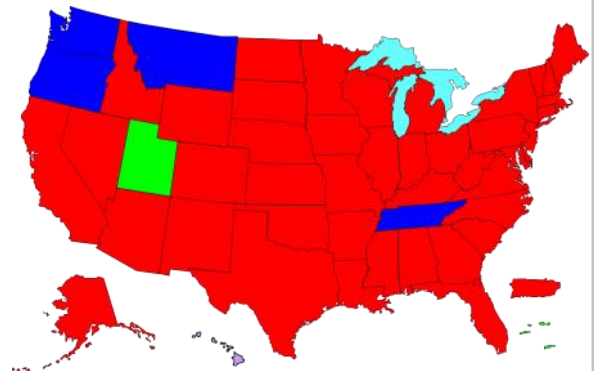
### Flu Activity for the week ending 2/18/17 (week 7): **Widespread**

Flu activity decreased slightly but remained elevated in the U.S.

#### Geographic Flu Activity Summary (Fig. 1):

- Widespread influenza activity was reported by Puerto Rico and 44 states
- Regional influenza activity was reported by Guam and four states
- Local influenza activity was reported by the District of Columbia and one state
- Sporadic influenza activity was reported by one state
- The U.S. Virgin Islands reported no flu.

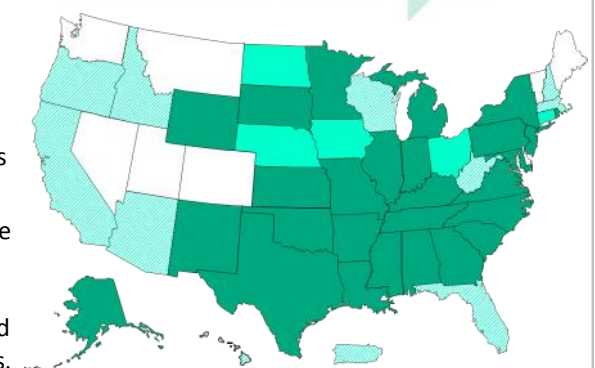
**Figure 1:** Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists (This figure does not measure the severity of influenza activity.)



#### Surveillance Summary:

- 27 states experienced high ILI activity; NYC and 5 states experienced moderate ILI activity; Puerto Rico and 10 states experienced low ILI activity; Eight states experienced minimal ILI activity (Fig 2).
- Based on pneumonia and influenza (P&I) mortality data, 7.8% of deaths during the week ending 2/4/17 were due to P&I.
- A cumulative rate for the season of 33.7 lab-confirmed flu-associated hospitalizations per 100,000 population was reported.
- Outpatient illness visits reported through the U.S. ILI Network was 4.8%, this is a decrease from week 6 but is above the national baseline of 2.2%. All 10 U.S. regions reported ILI at or above their region-specific baselines.
- Five flu-associated pediatric deaths were reported. To date, 34 deaths have been reported for the 2016-17 flu season.

**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>