

# 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 15, ending 4/15/17:

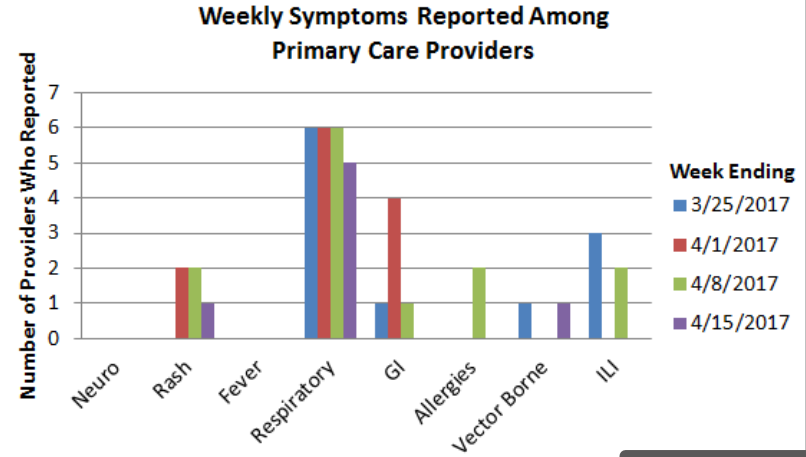
**Widespread**

- Lab-confirmed flu: 35 laboratory confirmed flu (5 flu Type A and 30 flu Type B) were reported. The season total to date of reported flu cases is: 455.
- College Health Centers\*: No flu reported
- Schools Districts\*: 0.8% of children seen by school nurses appeared with symptoms of influenza-like illness.
- Primary Care Providers\*: flu was reported
- New York State Hospital Report (HERDS): six flu related hospitalization reported by hospitals in Madison County for week 15. A total of 38 flu-related hospitalizations have been reported this season to date in Madison County.



### Reports for the week ending 4/15/17:

- Communicable Diseases Reported to the Health Department: 4 chlamydia, 1 new chronic Hepatitis C, and 1 salmonella
- Primary Care Providers Reported\*: rashes, respiratory infections, sore throat, coughs, flu, strep, mononucleosis (mono), ear infections, upper respiratory infections (URI), bronchitis, and tick bites
- College Health Centers Reported\*: respiratory illness, sore throats, strep, pink eye (conjunctivitis), URI, and mono
- Schools Districts Reported\*: flu, strep, colds, sore throats, GI, and high fevers
- Hospital Weekly Surveillance\*: respiratory infections, flu, gastrointestinal illness (GI), URI, and neurologic symptoms\*\*
- Syndromic Surveillance in Emergency Departments 4/7/17 to 4/16/17: mild to moderate sensitivity for neurologic symptoms \*\*
- Medicaid Over-the-Counter (OTC) & Script Medication Alerts—3/24/17 to 4/2/17: no alerts



\*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)

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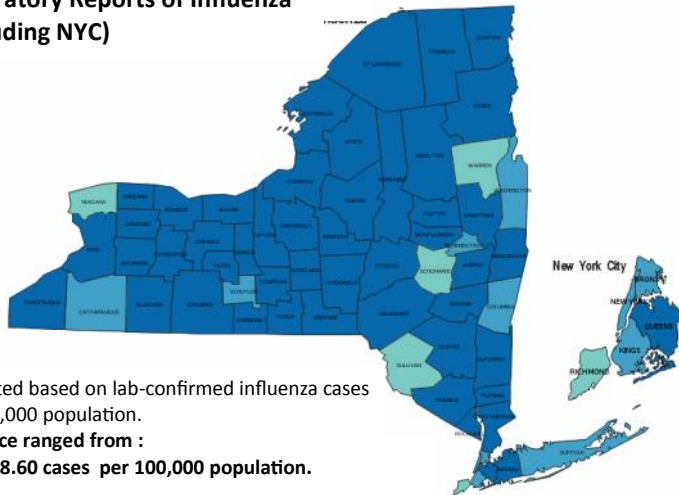
Severe

**New York State Flu Activity**

**Flu Activity for the week ending 4/8/17 (week 14): **Widespread****

- Lab-Confirmed Flu: 2,794, a 7% increase over last week. Flu was reported in all 62 counties.
- Flu-Related Hospitalizations: 365 reports, a 10% 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 5.37; this is a slight decrease from last week, but remains above the regional baseline of 3.0%.
- Flu-Associated Pediatric Deaths: None reported this week. There have been eight flu-associated deaths this season to date.

**Laboratory Reports of Influenza (including NYC)**



**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**

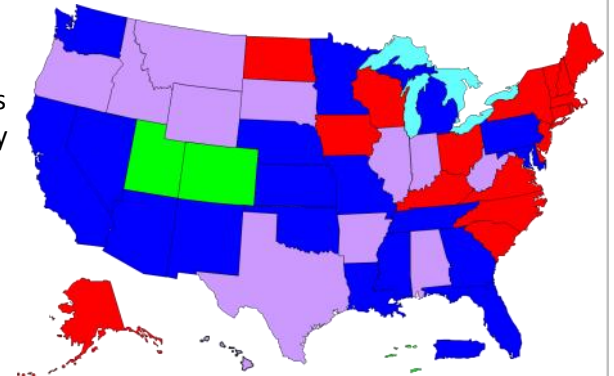
**Flu Activity for the week ending 4/8/17 (week 14): **Regional****

Flu activity decreased but remained elevated.

Geographic Flu Activity Summary (Fig. 1):

- **Widespread** influenza activity was reported by 18 states
- **Regional** influenza activity was reported by Guam, Puerto Rico, and 18 states
- **Local** influenza activity was reported by the District of Columbia and 12 states
- **Sporadic** activity was reported by two states
- No influenza activity was reported by the U.S. Virgin Islands

**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:

- Two states experienced high ILI activity; Seven states experienced moderate ILI activity; New York City and 11 states experienced low ILI activity; Puerto Rico and 30 states experienced minimal ILI activity (Fig 2).
- Based on pneumonia and influenza (P&I) mortality data, 7.1% of deaths during week 12 were due to P&I; this is below the epidemic threshold of 7.4% for week 12.
- Outpatient illness visits reported through the U.S. ILI Network was 2.6%, this above the national baseline of 2.2%. Five of 10 U.S. regions reported ILI at or above their region-specific baselines.
- Five flu-associated pediatric deaths have been reported. To date, 72 deaths have been reported for the 2016-17 flu season.

**Figure 2:** ILI Activity from ILINet Data



ILINet 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>