

# 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 11, ending 3/18/17:**

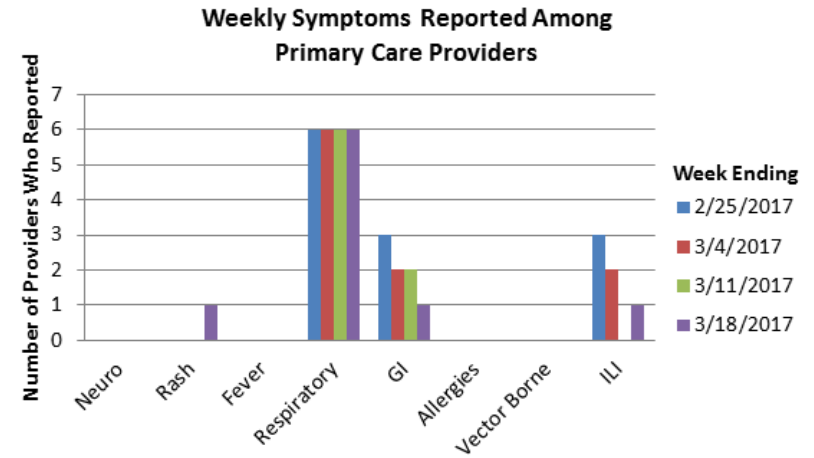
**Widespread**

- Lab-confirmed flu: 21 laboratory confirmed flu (9 flu Type A and 12 flu Type B) were reported. The season total to date of reported flu cases is: 334.
- Schools Districts\*: 0.9% of children seen by school nurses appeared with symptoms of influenza-like illness.
- College Health Centers\*: ILI and flu reported
- Primary Care Providers\*: ILI and flu reported
- New York State Hospital Report (HERDS): One flu related hospitalization reported by hospitals in Madison County for week 11. A total of 27 flu-related hospitalizations have been reported this season to date in Madison County.



**Reports for the week ending 3/18/17:**

- Communicable Diseases Reported to the Health Department: 1 Chlamydia, 2 gonorrhea, and 1 salmonella
- Primary Care Providers Reported\*: Respiratory infections, gastrointestinal illness (GI), upper respiratory infections (URI), strep throat and scarlatina with rashes, rashes, coughs, pneumonia, colds, respiratory syncytial virus (RSV), and sinus infections (sinusitis)
- College Health Centers\*: Flu, ILI, respiratory illness, chicken pox, strep, UIP, mono, and pneumonia
- Schools Districts\*: Strep, Flu, URI, and GI were reported
- Hospital Weekly Surveillance\*: Flu, ILI, respiratory illness, GI, URI, fever, and strep
- Syndromic Surveillance in Emergency Departments 3/10/17 to 3/19/17: No reports
- Medicaid Over-the-Counter (OTC) & Script Medication Alerts—2/23/17 to 3/4/17: Mild to moderate sensitivity for 1st and 2nd Generation Cephalosporins, Penicillinase-Resistant antibiotics, and Tetracyclines (antibiotics)



\*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**

No Report

No Activity

Sporadic

Local

Regional

Widespread

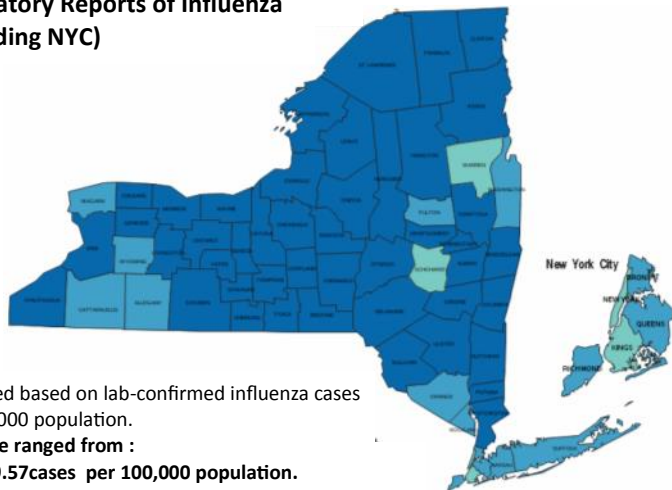
Severe

**New York State Flu Activity**

**Flu Activity for the week ending 3/11/17 (week 10): **Widespread****

- Lab-Confirmed Flu: 2,295, a 27% decrease over last week. Flu was reported in 62 counties.
- Flu-Related Hospitalizations: 384 reports, a 34% 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 1.72%; this is a decrease from last week, and is below the regional baseline of 3.0%.
- Flu-Associated Pediatric Deaths: No reports this week. There have been seven 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 : 3.45-209.57 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 3/11/17 (week 10): **Widespread****

Flu activity decreased but remained elevated.

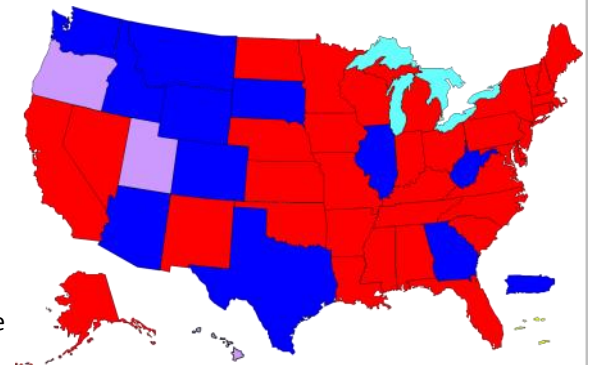
Geographic Flu Activity Summary (Fig. 1):

- **Widespread** influenza activity was reported by 36 states
- **Regional** influenza activity was reported by Guam, Puerto Rico and 11 states
- **Local** influenza activity was reported by the District of Columbia and three states
- No influenza activity was reported by the U.S. Virgin Islands

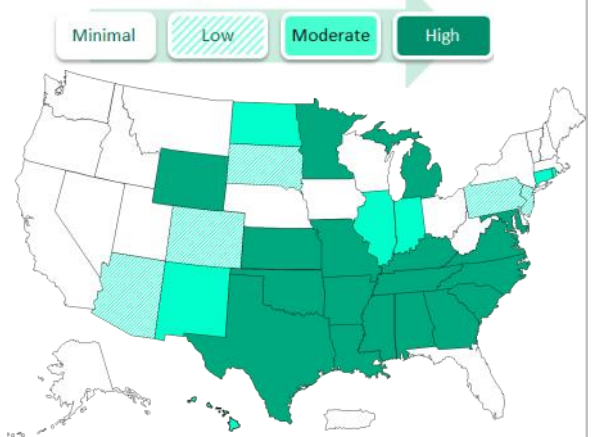
Surveillance Summary:

- 18 states experienced high ILI activity; Seven states experienced moderate ILI activity; Five states experienced low ILI activity; New York City, Puerto Rico, and 20 states experienced minimal ILI activity (Fig 2).
- Based on pneumonia and influenza (P&I) mortality data, 8% of deaths during week 8 were due to P&I; this is above the epidemic threshold of 7.5% for week 8.
- A cumulative rate for the season of 46.9 lab-confirmed flu-associated hospitalizations per 100,000 population was reported.
- Outpatient illness visits reported through the U.S. ILI Network was 3.7%, this above the national baseline of 2.2%. Seven of 10 U.S. regions reported ILI at or above their region-specific baselines.
- Five flu-associated pediatric deaths were reported. To date, 53 deaths have been reported for the 2016-17 flu season.

**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>