

# 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

#### Flu Activity for the week 9, ending 3/4/17:

##### Widespread

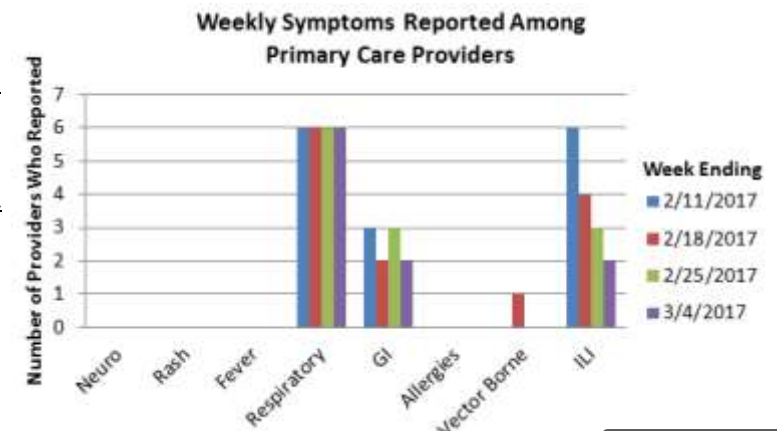
- Lab-confirmed flu: 27 laboratory confirmed flu (16 flu Type A and 11 flu Type B) were reported. The season total to date of reported flu cases is: 265.
- Schools Districts\*: 0.5% of children seen by school nurses appeared with symptoms of influenza-like illness.
- College Health Centers\*: ILI was reported
- Primary Care Providers\*: ILI and flu were reported
- New York State Hospital Report (HERDS): Six flu related hospitalization reported by hospitals in Madison County for week 9. A total of 24 flu-related hospitalizations have been reported this season to date in Madison County.



### Madison County Disease Surveillance Updates

#### Reports for the week ending 3/4/17:

- Communicable Diseases Reported to the Health Department: 11 Chlamydia, 1 chronic Hepatitis C, 1 legionella, and 1 strep pneumoniae
- Primary Care Providers Reported\*: Respiratory infections, gastrointestinal illness (GI), ILI, flu, pink eye, upper respiratory infections (URI), strep throat, sore throats, colds, coughs, chest congestion, and ear infections
- College Health Centers\*: Respiratory illness, GI, ILI, flu, URI, strep throat, and sexually transmitted infections
- Schools Districts\*: Diarrhea, strep, colds, GI, vomiting, bronchitis, ILI, and flu
- Hospital Weekly Surveillance\*: Flu, ILI, respiratory illness, GI, URI, fever, pneumonia, neurologic symptoms\*\*, and strep throat
- Syndromic Surveillance in Emergency Departments 2/24/17 to 3/5/17: Mild to moderate sensitivity for neurologic symptoms\*\*
- Medicaid Over-the-Counter (OTC) & Script Medication Alerts—2/8/17 to 2/17/17: 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)

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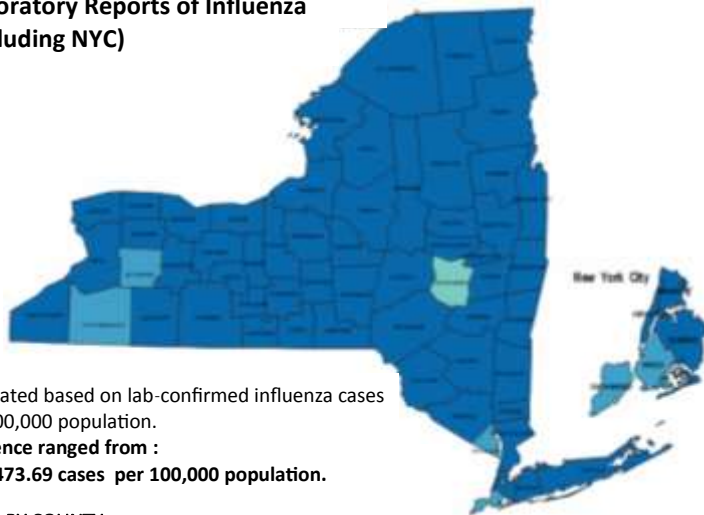
Severe

## New York State Flu Activity

### Flu Activity for the week ending 2/25/17 (week 8): **Widespread**

- Lab-Confirmed Flu: 5,217, a 6% decrease over last week. Flu was reported in all 62 counties.
- Flu-Related Hospitalizations: 928 reports, a 5% increase 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 7.01%; 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 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 : 3.88-473.69 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 2/25/17 (week 8): **Widespread**

Flu activity remained elevated in the U.S.

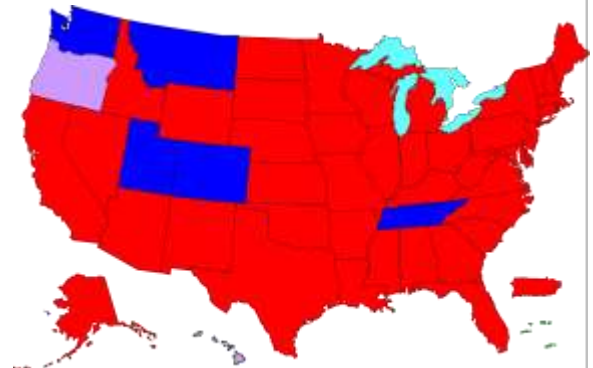
#### Geographic Flu Activity Summary (Fig. 1):

- **Widespread** influenza activity was reported by Puerto Rico and 43 states
- **Regional** influenza activity was reported by Guam and five states
- **Local** influenza activity was reported by the District of Columbia and two states
- **Sporadic** influenza activity was reported by the U.S. Virgin Islands.

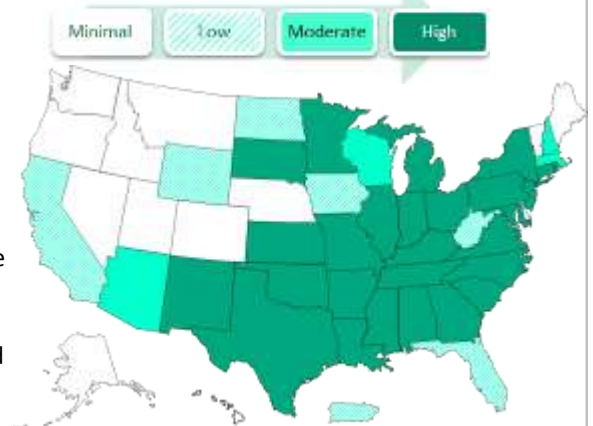
#### Surveillance Summary:

- 27 states experienced high ILI activity; Four states experienced moderate ILI activity; New York City, Puerto Rico, and six states experienced low ILI activity; and 13 states experienced minimal ILI activity. (Fig 2).
- Based on pneumonia and influenza (P&I) mortality data, 7.8% of deaths during the week ending 2/11/17 were due to P&I.
- A cumulative rate for the season of 39.4 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.
- Six flu-associated pediatric deaths were reported. To date, 40 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>