

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 10, ending 3/11/17:
Widespread

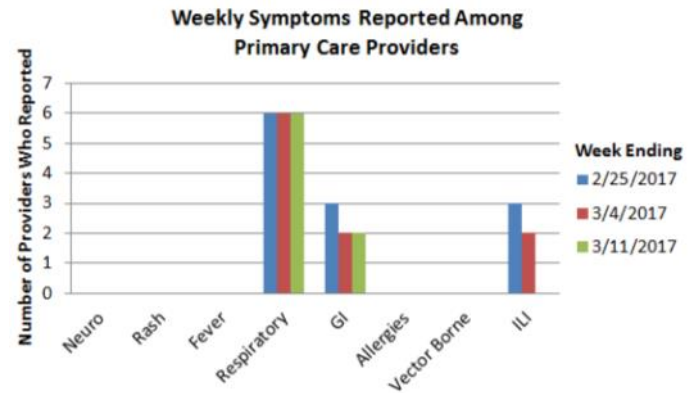
- **Lab-confirmed flu:** 38 laboratory confirmed flu (22 flu Type A and 16 flu Type B) were reported. The season total to date of reported flu cases is: 314.
- **Schools Districts*:** 0.7% of children seen by school nurses appeared with symptoms of influenza-like illness.
- **College Health Centers*:** No report due to school break
- **Primary Care Providers*:** ILI and flu reported
- **New York State Hospital Report (HERDS):** Two flu related hospitalization reported by hospitals in Madison County for week 10. A total of 26 flu-related hospitalizations have been reported this season to date in Madison County.



Madison County Disease Surveillance Updates

Reports for the week ending 3/11/17:

- **Communicable Diseases Reported to the Health Department:** 2 Chlamydia, 3 chronic Hepatitis C, and 1 group B strep
- **Primary Care Providers Reported*:** Respiratory infections, gastrointestinal illness (GI), upper respiratory infections (URI), strep throat, sore throats, and sinus infections (sinusitis)
- **College Health Centers*:** No report due to school break
- **Schools Districts*:** Ear infections, colds, lice, pink eye, sore throats, GI, URI, and coughs
- **Hospital Weekly Surveillance*:** Flu, ILI, respiratory illness, GI, URI, fever, rash, pneumonia, strep throat, respiratory syncytial virus (RSV), and COPD exacerbations
- **Syndromic Surveillance in Emergency Departments 3/6/17 to 3/11/17:** No reports
- **Medicaid Over-the-Counter (OTC) & Script Medication Alerts—2/17/17 to 2/26/17:** Mild to moderate sensitivity for 1st and 2nd Generation Cephalosporin's and 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)

Week Ending: March 11, 2017

Disease Surveillance & Risk Report

No Report

No Activity

Sporadic

Local

Regional

Widespread

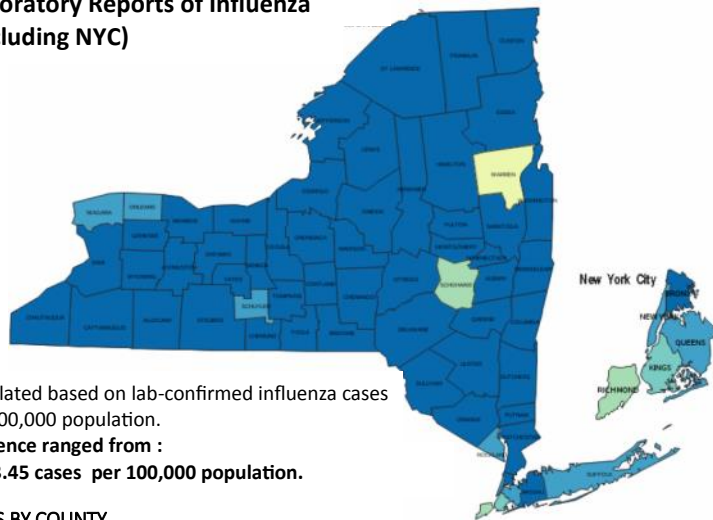
Severe

New York State Flu Activity

Flu Activity for the week ending 3/4/17 (week 9): **Widespread**

- Lab-Confirmed Flu: 3,129, a 40% decrease over last week. Flu was reported in 61 counties.
- Flu-Related Hospitalizations: 552 reports, a 41% 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 3.39%; this is a decrease from last week, but remains above 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 : 0-123.45 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 3/4/17 (week 9): **Widespread**

Flu activity decreased but remained elevated.

Geographic Flu Activity Summary (Fig. 1):

- Widespread influenza activity was reported by Puerto Rico and 39 states.
- Regional influenza activity was reported by Guam and eight states.
- Local influenza activity was reported by the District of Columbia and two states.
- Sporadic influenza activity was reported by one state; No influenza activity was reported by the U.S. Virgin Islands.

Surveillance Summary:

- 14 states experienced high ILI activity; 12 states experienced moderate ILI activity; eight states experienced low ILI activity; New York City, Puerto Rico, and 16 states experienced minimal ILI activity (Fig 2).
- Based on pneumonia and influenza (P&I) mortality data, 8% of deaths during week 7 were due to P&I; this is above the epidemic threshold of 7.5% for week 7.
- A cumulative rate for the season of 43.5 lab-confirmed flu-associated hospitalizations per 100,000 population was reported.
- Outpatient illness visits reported through the U.S. ILI Network was 3.6%, a decrease from week 6 but above the national baseline of 2.2%. Eight of 10 U.S. regions reported ILI at or above their region-specific baselines.
- Eight flu-associated pediatric deaths were reported. To date, 48 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.)

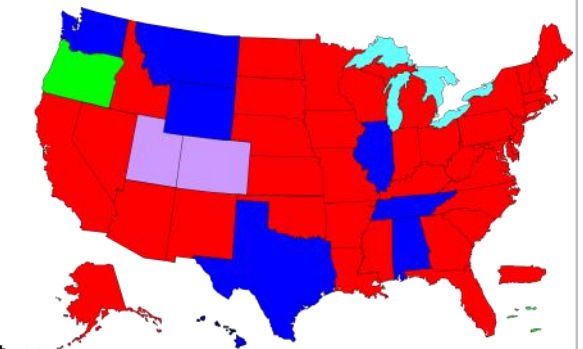
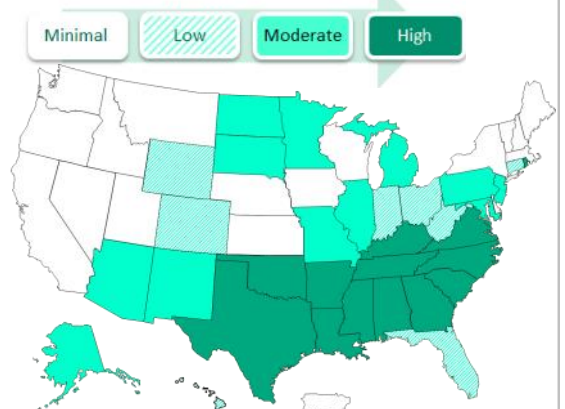


Figure 2: ILI Activity from ILINet Data



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>