

Madison County Communicable Disease Activity: Week 12, ending 3/24/18

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

COMMUNICABLE DISEASES: Madison County

Communicable Diseases

**Reported:** 5 chlamydia, 1 gonorrhea, 4 new Chronic Hepatitis C, 1 Campylobacter, and 1 Yersiniosis

Primary Care Providers

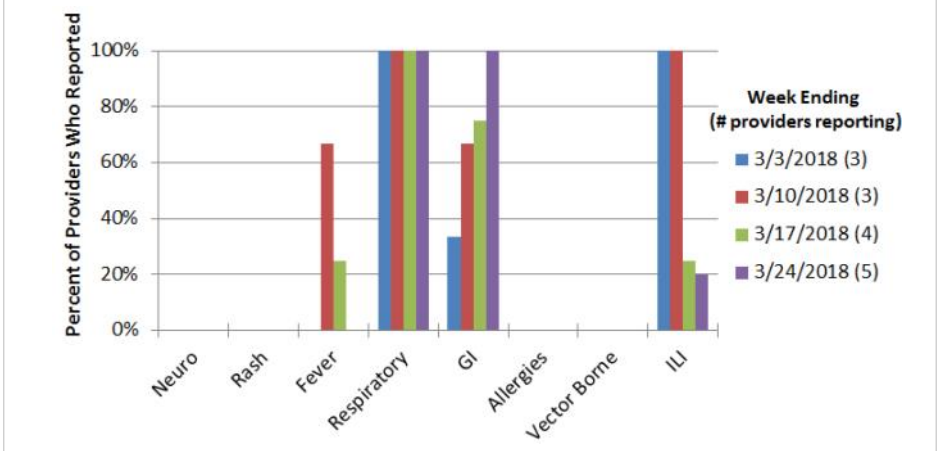
**Reported\*:** Respiratory illness, gastrointestinal illness (GI), upper respiratory illness (URI), influenza-like illness (ILI), flu, strep throat, ear infections, and sinus infections (Fig. 1).

**College Health Centers Reported\*:** Respiratory illness, GI, URI, and sexually transmitted infections (STIs)

**Syndromic Surveillance in Emergency Department—3/16/18 to 3/25/18:** No clusters of illness reported

**Medicaid Over-the-Counter (OTC) & Script Medication Alerts—3/3/18 to 3/12/18:** Mild to moderate sensitivity for 1st and 2nd Generation Cephalosporins (antibiotics)

Figure 1: Weekly Symptoms Reported Among a Proportion of Healthcare Providers



Hospitals

**Reported:** Rash, fever, respiratory illness, gastrointestinal illness (GI), upper respiratory illness (URI), and influenza-like illness (ILI)

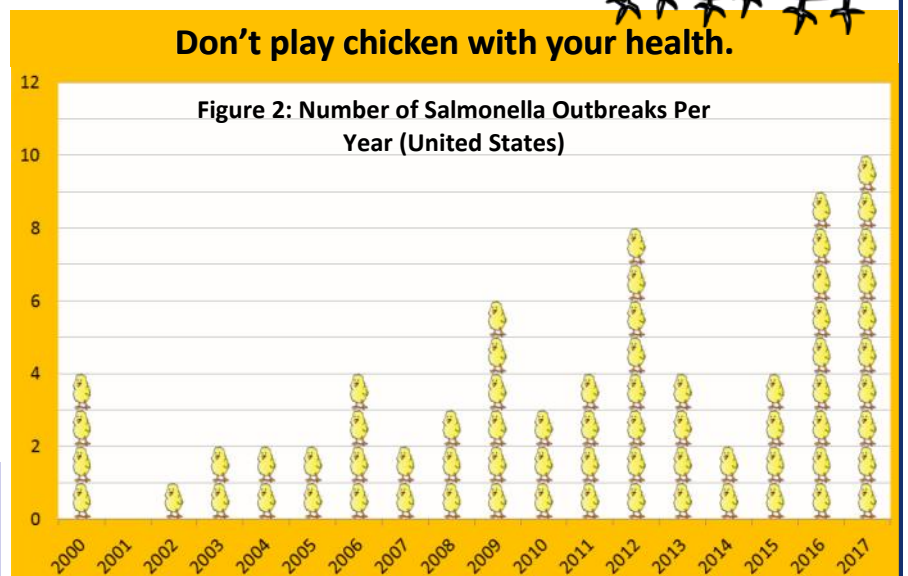


Issue Highlight: Live Poultry & Salmonella

- Since 2000, 70 Salmonella outbreaks have been linked to backyard poultry (Figure 2)
- Madison County, averages 10 confirmed cases of Salmonella every year
- While they might be cute, poultry, such as ducks and chickens, commonly carry the bacteria, even when they appear healthy
- Spring is a popular time for baby chicks and ducks to be found in feed supply stores—**wash your hands if you come in contact with them**

Learn more about Salmonella and backyard poultry: <https://www.cdc.gov/features/salmonellapoultry/index.html>

Don't play chicken with your health.



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

# Madison County Disease Surveillance & Risk Report

## Madison County Flu Activity: Week 12, ending 3/24/18: *Regional (decreasing)*

No Report

No Activity

Sporadic

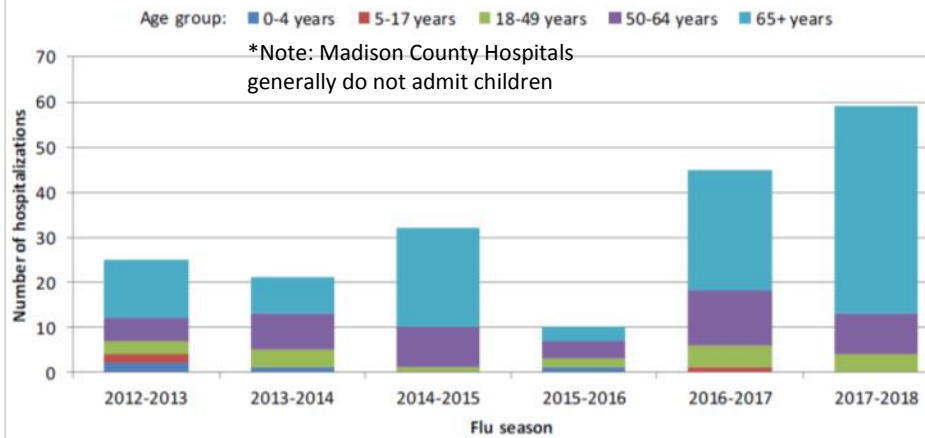
Local

**Regional**

Widespread

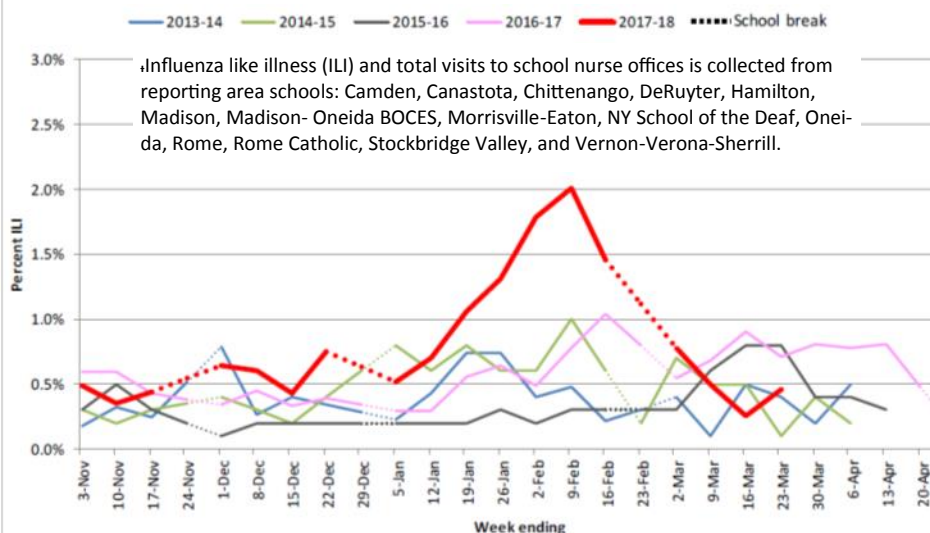
**Weekly Lab-confirmed flu:** 11 cases (8 flu Type A and 3 flu Type B) were reported; this is a 48% decrease from the previous week.

**Figure 3: Total Patients Hospitalized with Lab-Confirmed Flu, by Age\* & Season, Madison County Hospitals**



**Schools Districts\*:** 0.5% of children seen by school nurses had symptoms of influenza-like illness; this is a *decrease* from the previous week (0.3%) (Fig. 4).

**Figure 4: Proportion of ILI-related School Nurses Visits† by Season**



**College Health Centers\*:** No reports of flu or ILI

**Primary Care Providers\*:** ILI and flu was reported

**Flu-Associated Pediatric Deaths:** No reports this season to date.

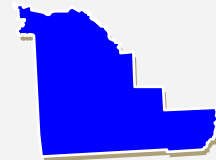
(Flu-associated deaths only in children younger than 18 years old are nationally notifiable.)

### Influenza-like or flu-like illness (ILI) includes:

- 1) a fever greater than 100°F measured with a thermometer AND
- (2) a cough AND/OR sore throat in the absence of a known cause other than influenza.

### Total Lab Confirmed Flu Reported to Date:

542 (348 Flu Type A-64% & 194 Type B-36%), this is 126% higher than average (239), to date.



**Incidence Rate** (the number of new flu cases): 15.0 per 100,000 population



### Hospitals:

ILI was reported

### Flu-Related

**Hospitalizations:** Two hospitalized patients with lab-confirmed flu were reported in Madison County; this is *no change* from the previous week (2). A total of 58 hospitalizations have been reported this season to date (Fig. 3).

FLU: Madison County

# Madison County Disease Surveillance & Risk Report

## New York State Flu Activity: Week 11, ending 3/17/18: **Widespread (decreasing)**

No Report

No Activity

Sporadic

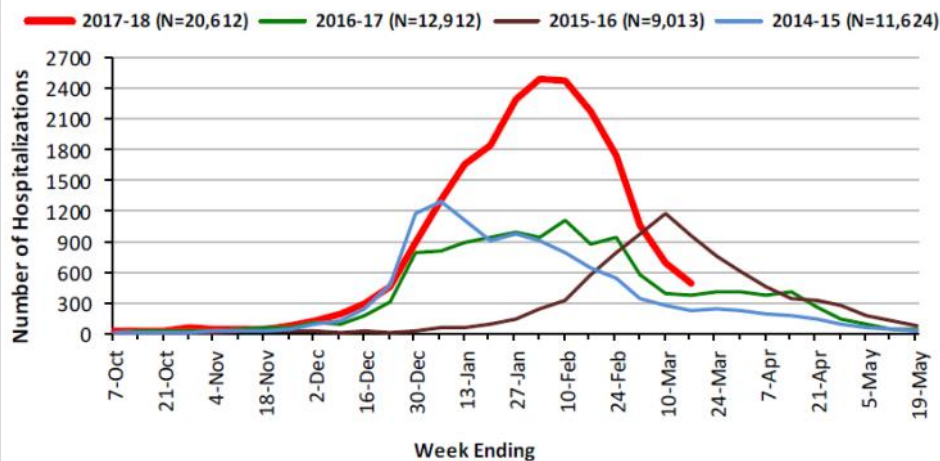
Local

Regional

**Widespread**

**Weekly Lab-Confirmed Flu:** 3,005 reports, a 19% decrease over last week (Figure 6). Flu was reported in 62 counties.

**Figure 5: Patients Hospitalized with Lab-Confirmed Flu Reported to NYSDOH—By Season**



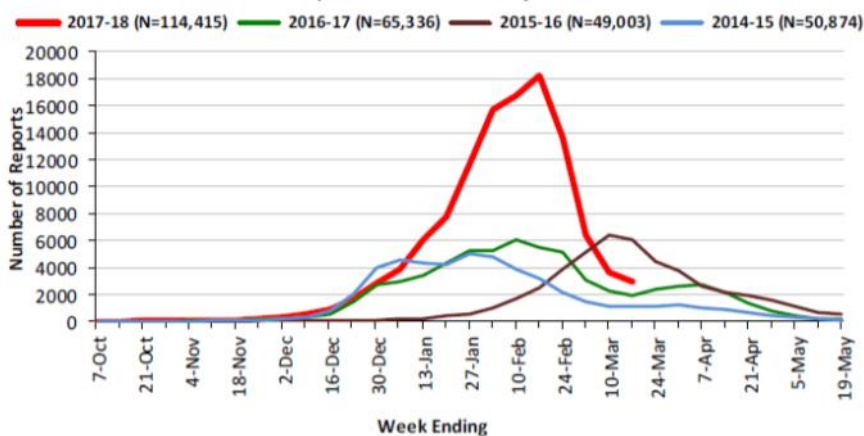
**Flu-Related Hospitalizations:** 493 reports, a 29% decrease over last week (figure 5).

**ILInet Healthcare Providers:** 1.58% of weekly patient complaints were flu-like illness (ILI); this a decrease from the previous week and is below the regional baseline of 3.10% (Figure 6). (ILInet providers report the total number of patients seen and the total number of those with complaints of influenza-like illness (ILI) weekly in an outpatient setting.)

Incidence (the # of new cases) of lab-confirmed flu is calculated based on lab-confirmed influenza cases per 100,000 population.

**Incidence ranged from: 6.43-66.05 cases per 100,000 population.**

**Figure 6: Positive Flu Lab Results Report to NYS, by Season**



**Flu-Associated Pediatric Deaths:** No reports this week. Five deaths were reported this season to date.

FLU: New York State

# Madison County Disease Surveillance & Risk Report

## National Flu Activity: Week 11, ending 3/17/18: **Regional (decreasing)**

No Report

No Activity

Sporadic

Local

**Regional**

Widespread

Flu activity **decreased** in the U.S.

### Geographic Flu Activity Summary (Figure 7):

(Geographic spread of influenza viruses, not a measure of severity.)

- Widespread influenza activity was reported by 17 states
- Regional influenza activity was reported by Guam, Puerto Rico and 26 states
- Local influenza activity was reported by the District of Columbia and five states
- Sporadic influenza activity was reported by the U.S. Virgin Islands and two states

### Flu Activity from ILINet Data (Figure 8):

Six states experienced high activity; nine states experienced moderate ILI activity; New York City, Puerto Rico, the District of Columbia, and 17 five states experienced low ILI activity; and eighteen states experienced minimal ILI activity.

*(This data is based on the percent of outpatient visits in a state due to ILI compared to the average percent of ILI visits during weeks with little or no influenza virus circulation.)*

### U.S. ILInet Healthcare Providers:

Outpatient illness visits reported through the Network was 2.7%, this percentage is *above* the national baseline of 2.2% but a decrease from the previous week. Nine of 10 regions in the U.S. reported flu-like illness *at or above* their region-specific baselines.

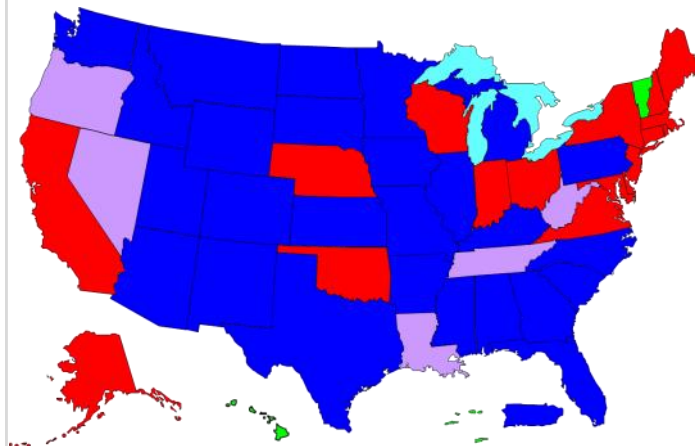
### Flu and Pneumonia-Associated Deaths:

7.8% of all deaths reported through the National Center for Health Statistics mortality surveillance data, occurring during week 9 ending 3/3, were attributed to pneumonia and flu; this is *above* the week 9 epidemic threshold of 7.4%.

### Flu-Associated Pediatric Deaths:

Five pediatric deaths were reported. 133 flu-associated pediatric deaths have been reported this season to date.

**Figure 7:** Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists  
(This figure does not measure the severity of influenza activity.)



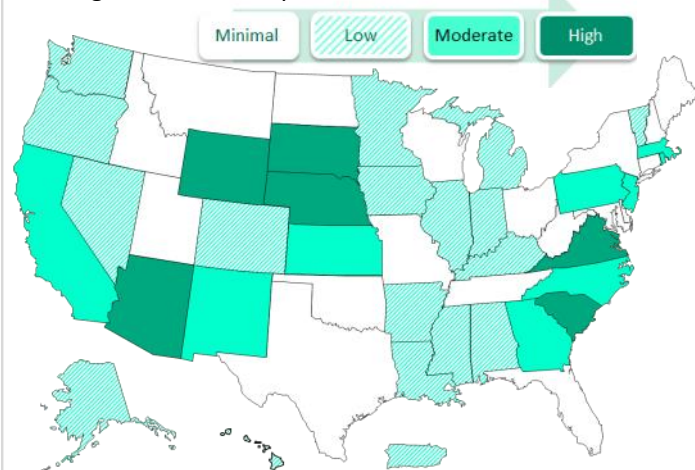
### Overall Flu-Related

**Hospitalization Rate:** 93.5 per 100,000 population.

The highest rate of hospitalization was among adults aged ≥65 years (401.8 per 100,000 population).



**Figure 8:** 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/1eDDFh>

FLU: United States