

Madison County Communicable Disease Activity—Week 8, ending February 22, 2020

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

Communicable Diseases Reported

1 Campylobacter, 3 Chlamydia, 2 Giardia, and 50 flu (see more on page 2)

Primary Care Providers Reported*

Fever, respiratory illness, gastrointestinal illness (GI), influenza-like illness (ILI), flu, upper respiratory infections (URI), coughs, ear infections, bronchitis, and pneumonia



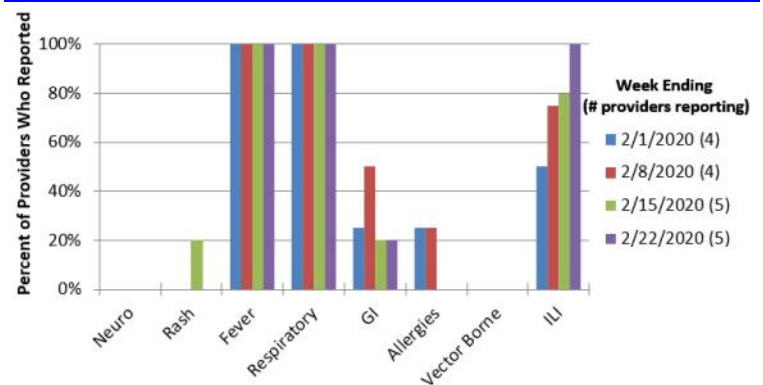
Colleges Reported*

Fever, respiratory illness, GI, ILI, flu, URI, and mononucleosis

Medicaid Over-the-Counter (OTC) & Script Medication Alerts

1/31/20 to 2/9/20: No alerts

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



Hospitals Reported*

Chief Complaints—Neurologic illness¹, rash, fever, respiratory illness, GI, influenza-like illness (ILI), flu, bronchitis, asthma, and pneumonia

Emergency Dept. Syndromic Surveillance—2/14/20 to 2/22/20: No clusters of illness were reported



¹Neurologic illness 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)

ISSUE HIGHLIGHT: Concussions in Sports

A concussion is a type of traumatic brain injury—or TBI—caused by a bump, blow, or jolt to the head or by a hit to the body that causes the head and brain to move rapidly back and forth. This sudden movement can cause the brain to bounce around or twist in the skull, creating chemical changes in the brain and sometimes stretching and damaging brain cells. Regardless of whether an injury is sports related a concussion can be serious and some of the signs and symptoms include:

- Can't recall events prior to or after a hit or fall.
- Appears dazed or stunned.
- Forgets an instruction, is confused about an assignment or position, or is unsure of the game, score, or opponent.
- Moves clumsily.
- Answers questions slowly.
- Loses consciousness (even briefly).

If you think your child or teen has a concussion, contact his or her health care professional.



Madison County Disease Surveillance & Risk Report

Key:
Geographic
Spread of Flu

No Report

No Activity

Sporadic

Local

Regional

Widespread

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.

Madison County Flu Activity—Week 8, ending February 22, 2020: Widespread

Cases in Madison County this season
490

Season total **+103% higher**
than average to date (241)

Cases this week
50



-7% decrease
from last week (Fig. 3)

Incidence rate **decreased** this week to
68.1 per 100,000 population

Fu hospitalizations this season
reported by Hospitals in Madison County
35

Flu hospitalizations
this week
4



-33% decrease
from last week (6)

Flu and Flu-like Illness Complaints in Madison County

Schools Districts*:

No report this week due to spring break

College Health Centers*:

Flu and ILI reported this this week

Primary Care Providers*:

Flu and ILI reported this this week

Hospitals*:

Flu and ILI reported this this week



Figure 2: Cases this week in Madison County by Flu Type

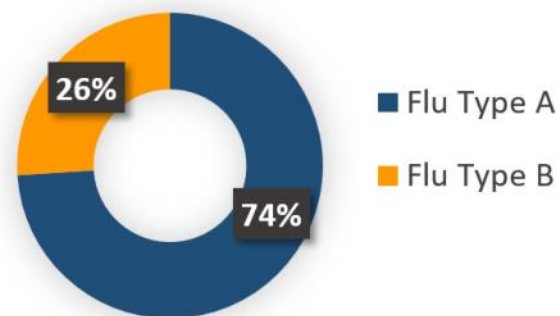


Figure 3: Weekly Positive Laboratory Confirmed Flu Reported to Madison County, by Season

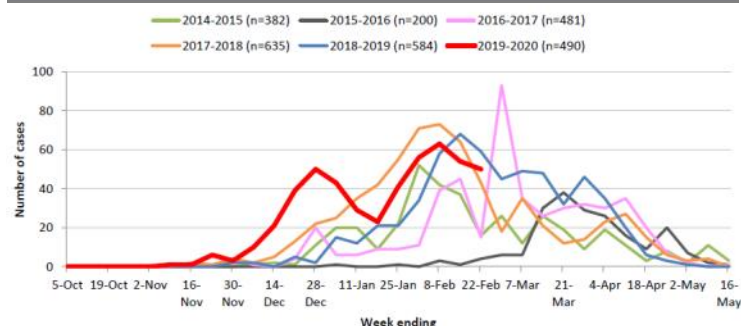
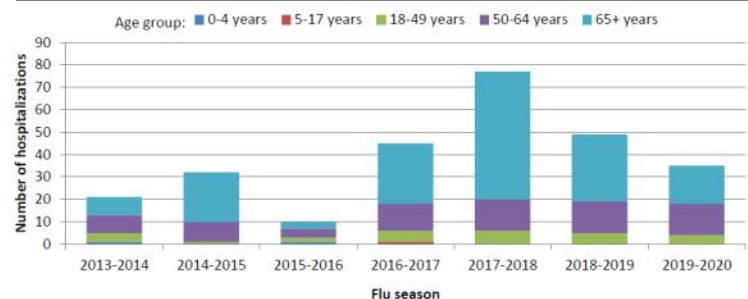


Figure 4: Total Patients Hospitalized with Laboratory Confirmed Flu by Age and Season at Hospitals in Madison County**



**Note: Both Madison County hospitals do not generally admit children.

LOCAL FLU ACTIVITY

Madison County Disease Surveillance & Risk Report

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Geographic
Spread of Flu

No Report

No Activity

Sporadic

Local

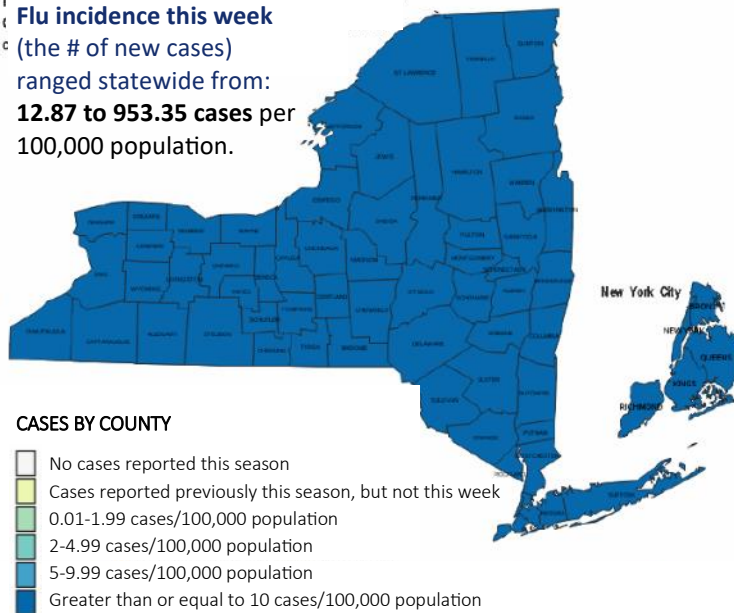
Regional

Widespread

New York State Flu Activity—Week 8, ending February 22, 2020: Widespread

Figure 5: Lab-Confirmed Flu Reported Statewide, by County

Flu incidence this week
(the # of new cases)
ranged statewide from:
12.87 to 953.35 cases per
100,000 population.



Cases statewide this season
131,604

Cases this week
10,520

-26% decrease
from last week

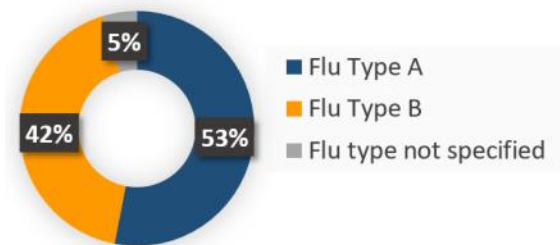
Flu hospitalizations
this week
1,454

-13% decrease
from last week

Counties reporting
flu (Fig. 5)
62

No change
from last week

Figure 6: Cases Statewide this week by Flu Type



Statewide ILI Patient Complaints to Healthcare Providers



Statewide, patient complaints of flu-like illness **decreased** from 6.22% last week **to 4.78% this week**. ILI complaints remains *above* the regional baseline of 3.20%.

Statewide Flu-Associated Pediatric Deaths

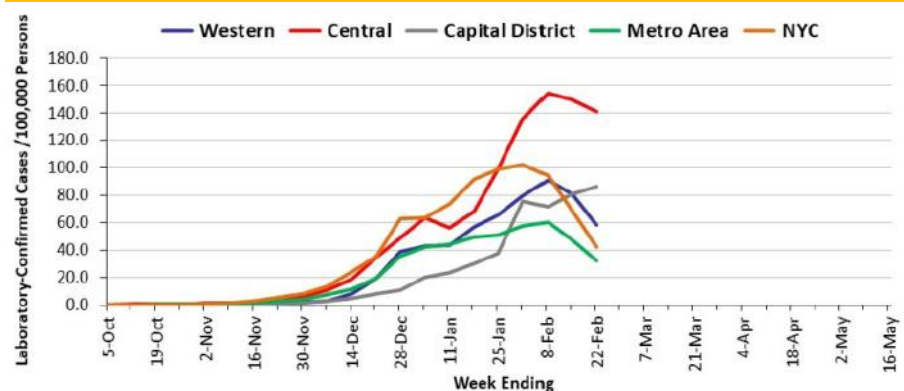
Reported **this week: 3**

Reported **this season: 9**



Read the NYS Flu Tracker
Overview and Definitions at:
<https://on.ny.gov/2ux05nK>

Figure 7: Incidence of Positive Flu Laboratory Results Reported to NYSDOH, by Region- 2019-2020



Madison County Disease Surveillance & Risk Report

Key:
Geographic
Spread of Flu

No Report

No Activity

Sporadic

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Regional

Widespread

United States Flu Activity: Week 8, ending February 22, 2020: Widespread

- **Severity indicators** (hospitalizations and deaths) remain moderate to low overall, but hospitalization rates differ by age group, with high rates among children and young adults.
- **Hospitalization rates** in school aged children and young adults are higher than at this time in recent seasons, and rates among children 0-4 years old are now the highest CDC has on record at this point in the season, surpassing rates reported during the second wave of the 2009 H1N1 pandemic.

U.S. cases this
week by flu type

Flu A 72.4%
Flu B 27.6%

Flu hospitalizations
in U.S. this season
15,319

Season rate
52.7
per 100,000 population

Flu hospitalizations
in U.S. highest in
adults 65+

Adults 65+ rate
132.0 per 100,000
population

U.S. Outpatient Illness

Visits to health care providers for influenza-like illness (ILI) **decreased** from 6.1% last week to 5.5% this week. All regions remain **above** their baselines.



U.S. Flu and Pneumonia-Associated Deaths

6.9% for week 7, ending 2/15/20. This is **below** the epidemic threshold of 7.3% for week 7.

U.S. Flu-Associated Pediatric Deaths

Reported **this week: 20**
Reported **this season: 125**

Source: CDC FluView at cdc.gov/flu/weekly/index.htm

Figure 8: Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists

(This figure does not measure the severity of influenza activity.)

The number of jurisdictions reporting regional or widespread flu activity **decreased** from 51 last week to **51 this week**.

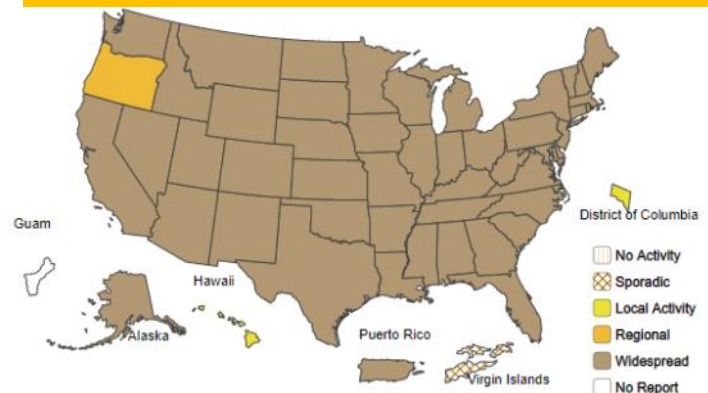
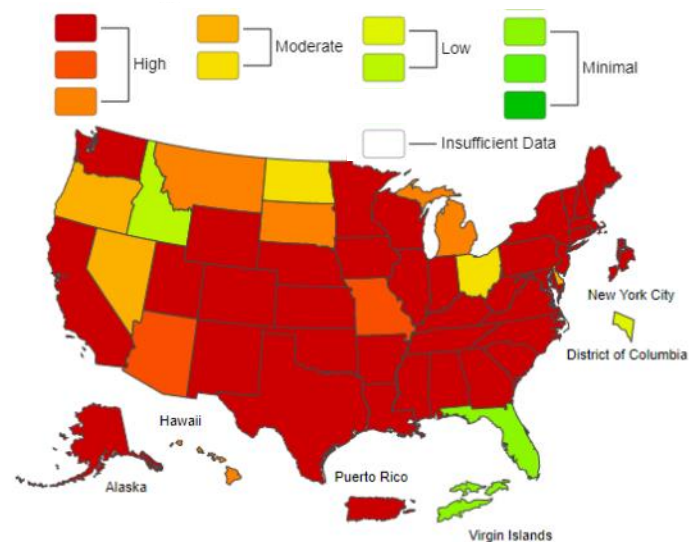


Figure 9: U.S. Outpatient Illness: ILI Activity² Level Map

The number of jurisdictions experiencing high ILI activity **decrease slightly** from 46 last week to **45 this week**.



²ILI activity data may disproportionately represent certain populations within a state, and may not accurately provide a full picture of activity for a state. ILI Net Data is based on percent of outpatient visits in states due to ILI, more at: <http://bit.ly/2TbgNDR>

NATIONAL FLU ACTIVITY

