

Summary:

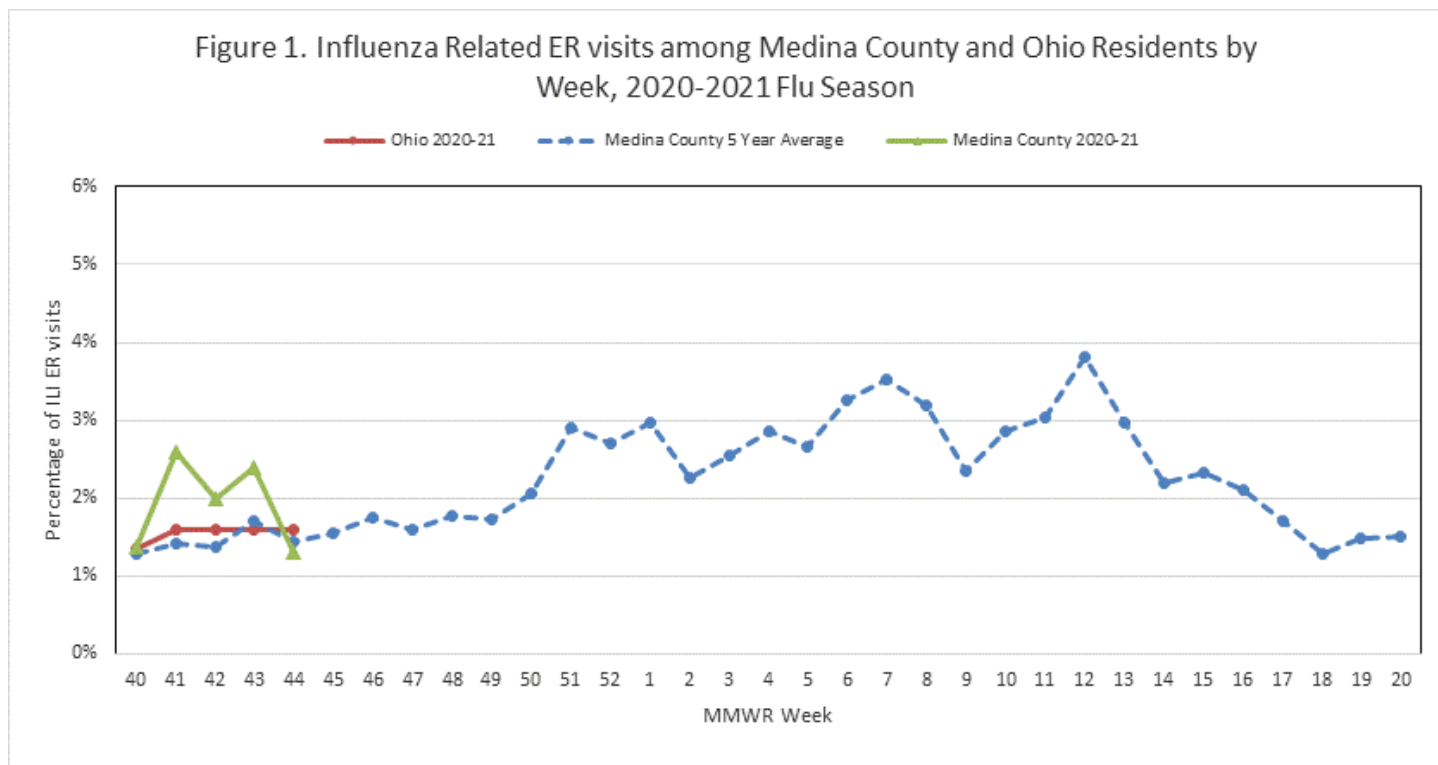
Public health surveillance data indicates levels of influenza like illness (ILI) are similar to the 5-year historical average in Medina County. ILI emergency department (ED) visits are similar to statewide levels (Figure 1). ILI ED visits are found in about one-half of the county's zip codes (Figure 2). There was 1 influenza-associated hospitalizations and 0 novel influenza infections reported to the Medina County Health Department during week 44. The incidence of influenza associated hospitalizations is similar to the 5-year historical average (Figure 3). The frequency of ILI associated hospitalizations is not applicable for this week while the highest frequency of ILI ED visits are among those aged 25 to 49 years of age (Figure 4). Over-the-counter medication sales for adults are trending upward while over-the-counter medication sales for children are trending downward (Figures 5 and 6).

Dashboard:

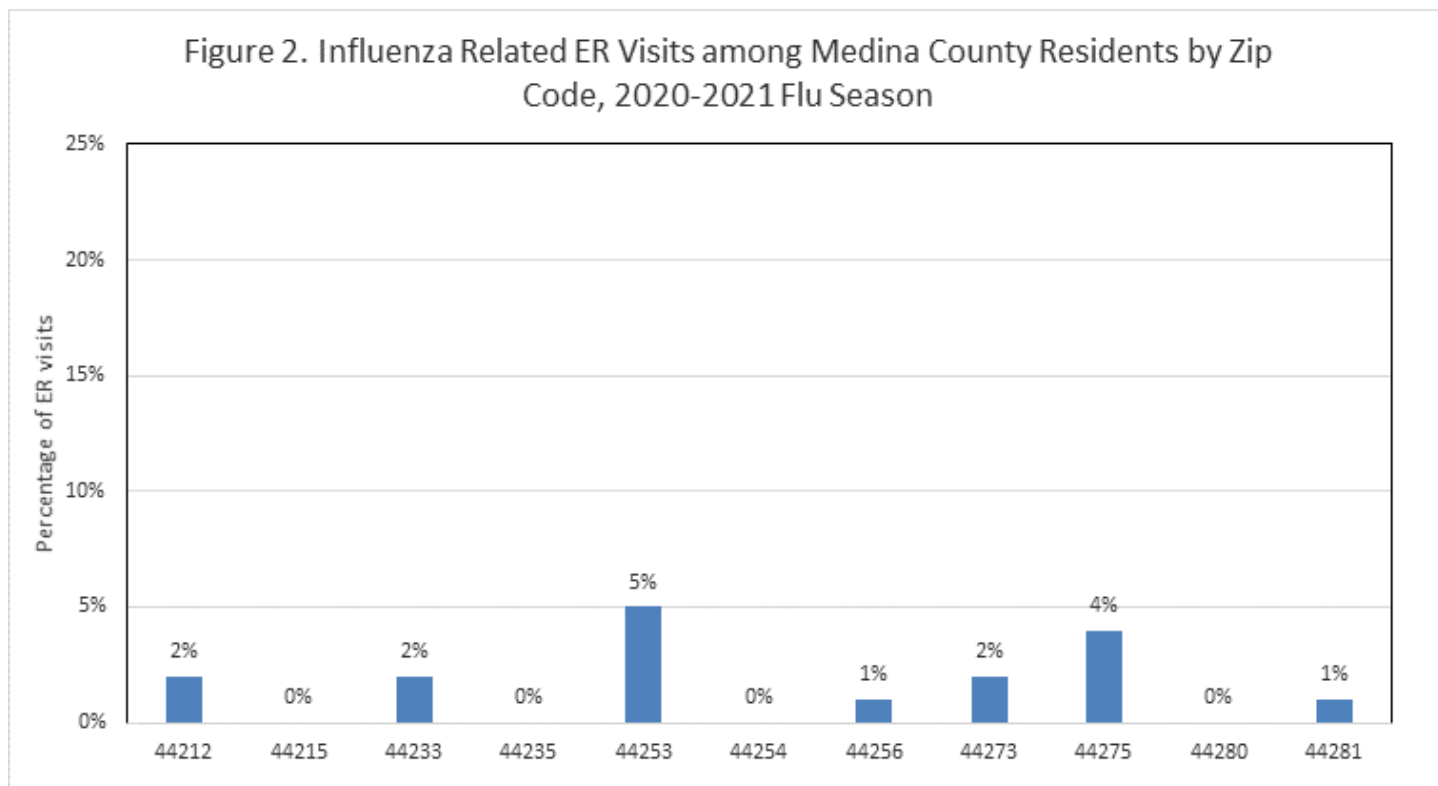
Indicator	Current Week	Previous Week	Trend (# of weeks)	Season to Date
Number of ILI ED visits ¹	16	29	↓ 1	119
Percentage of ILI ED visits ¹	1.3%	2.4%	↓ 1	-
Number of Influenza Hospitalizations ²	1	0	↑ 1	1
Number of Novel Influenza Infections ²	0	0	↔ 5	0
Number of Over-the-Counter ³ Medication Sales (Adult)*	1334	1283	↑ 2	6,403
Number of Over-the-Counter ³ Medication Sales (Children)*	97	116	↓ 1	499
Number of Influenza Deaths	0	0	↔ 5	0
Number of Pneumonia Deaths	1	0	↑ 1	2

Over-the-counter (OTC) medication sales do not reflect all OTC medication sales within the county. Please see Figures 5 and 6 for specific medications that are being tracked and monitored. All numbers are preliminary and subject to change.

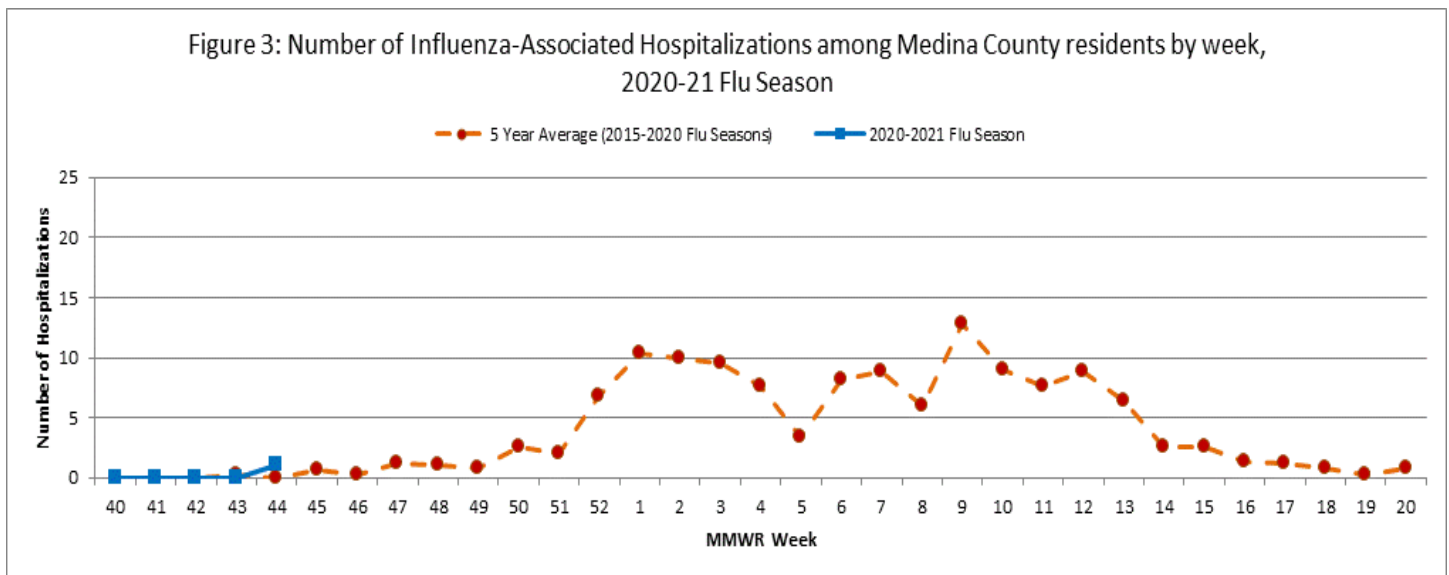
Percentage of ILI ED Visits by Week:



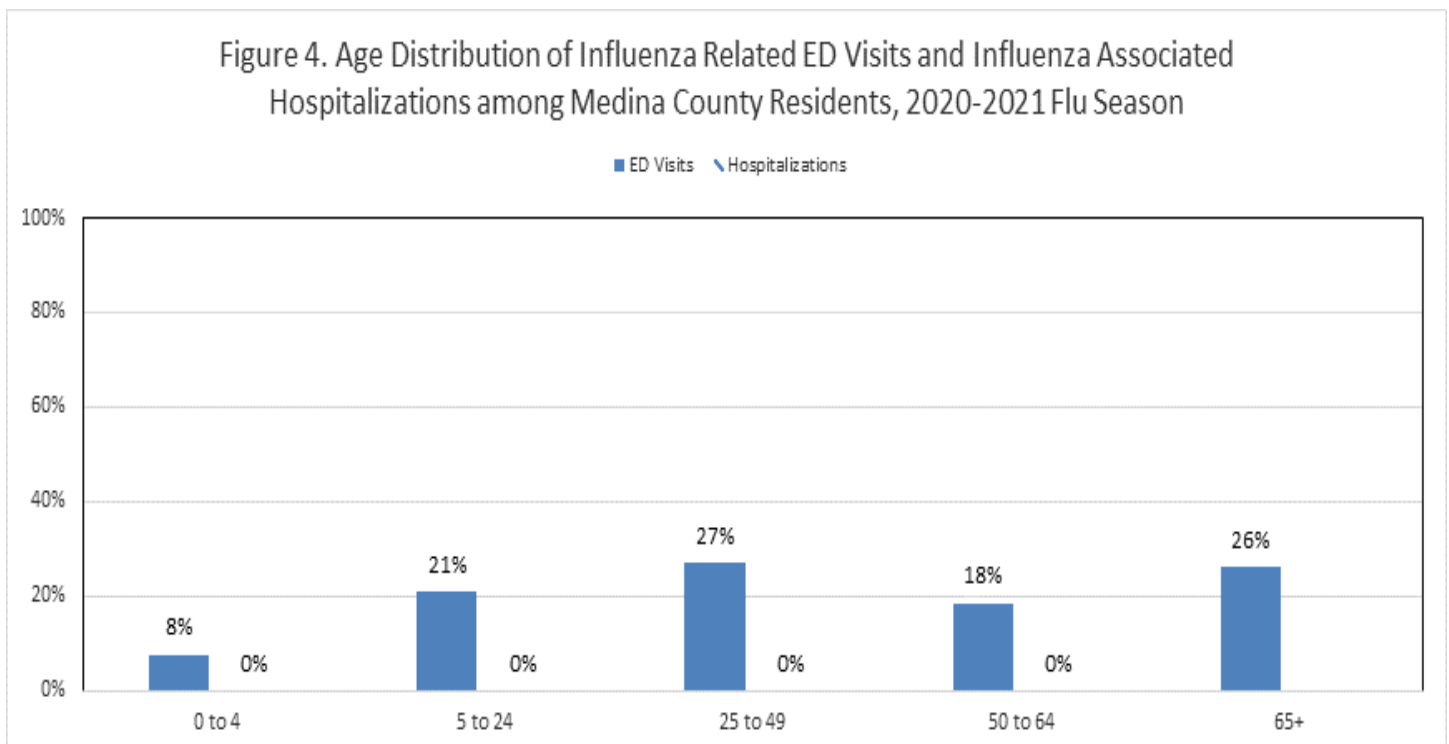
Geographic Distribution of Medina County ILI ED Visits:



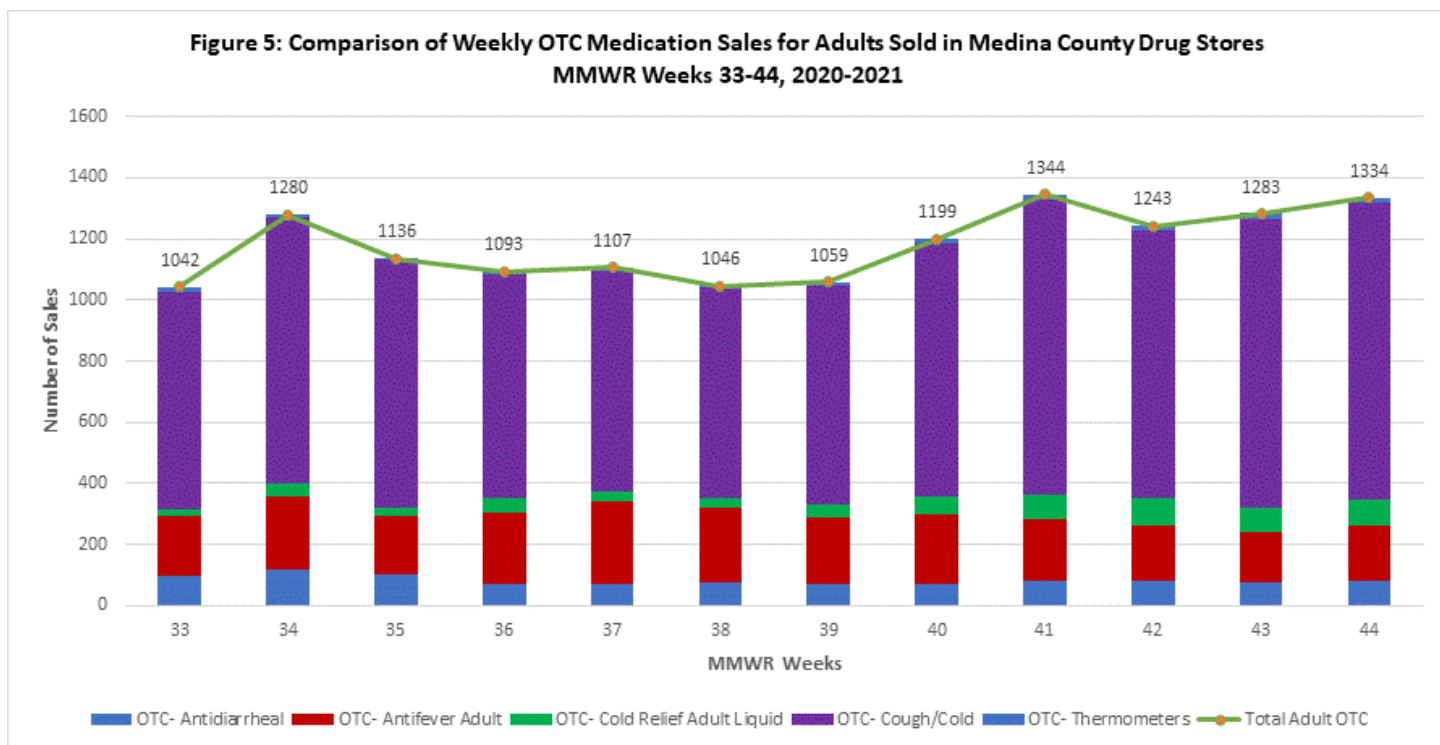
Incidence of Influenza-Associated Hospitalizations among Medina County Residents:



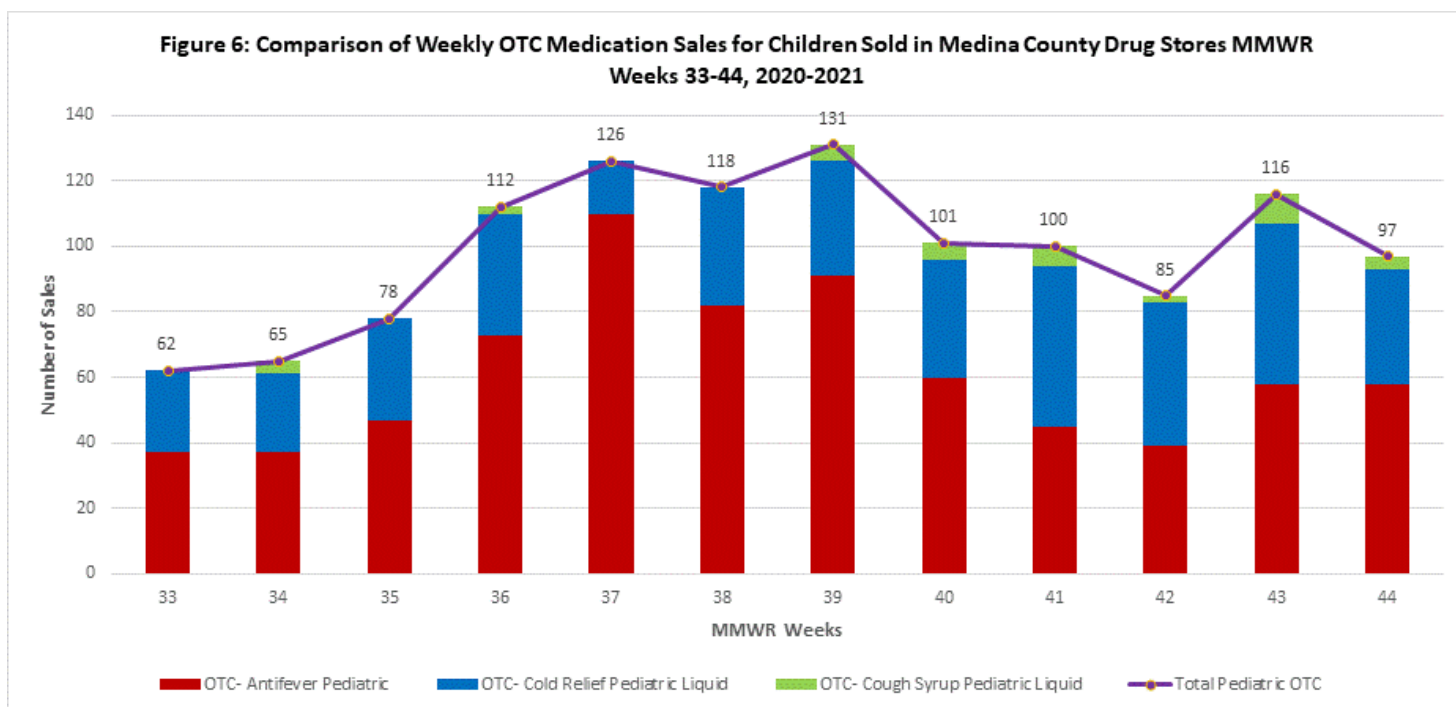
Age Distribution of Influenza ER Visits and Hospitalizations among Medina County Residents:



Number of OTC Medication Sales for Adults Sold in Medina County Drug Stores:



Number of OTC Medication Sales for Children Sold in Medina County Drug Stores:



State, Regional, and National Data:

Ohio Surveillance Data:

- The Ohio Department of Health Laboratory has tested 1 specimen for influenza during the 2020-2021 influenza season; of these, 0 tested positive for influenza A(H1N1pdm09), 0 for influenza A(H3N2), 1 for influenza B, and 0 were negative (through 10/31/2020).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) and U.S. World Health Organization (WHO) Collaborating Laboratories reported 3,349 tests for influenza performed at participating facilities; of these, 0 tested positive for influenza A(H1N1pdm09), 0 for influenza A(H3N2), 9 for influenza A (subtyping not performed), and 9 for influenza B (through 10/30/2020).
- No pediatric influenza-associated mortalities have been reported so far during the 2020-2021 influenza season (through 10/31/2020).
- No novel influenza A virus infections have been reported so far during the 2020-2021 influenza season (through 10/31/2020).
- Incidence of confirmed influenza-associated hospitalizations in 2020-2021 season = 12 (through 10/31/2020).

HHS Regional Surveillance Data*: During week 43 (October 18th - October 24th, 2020), the percentage of outpatient visits for influenza-like illness (ILI) in Region 5 (Ohio is in Region 5) was 0.8%, which is below the regional baseline of 1.9%.

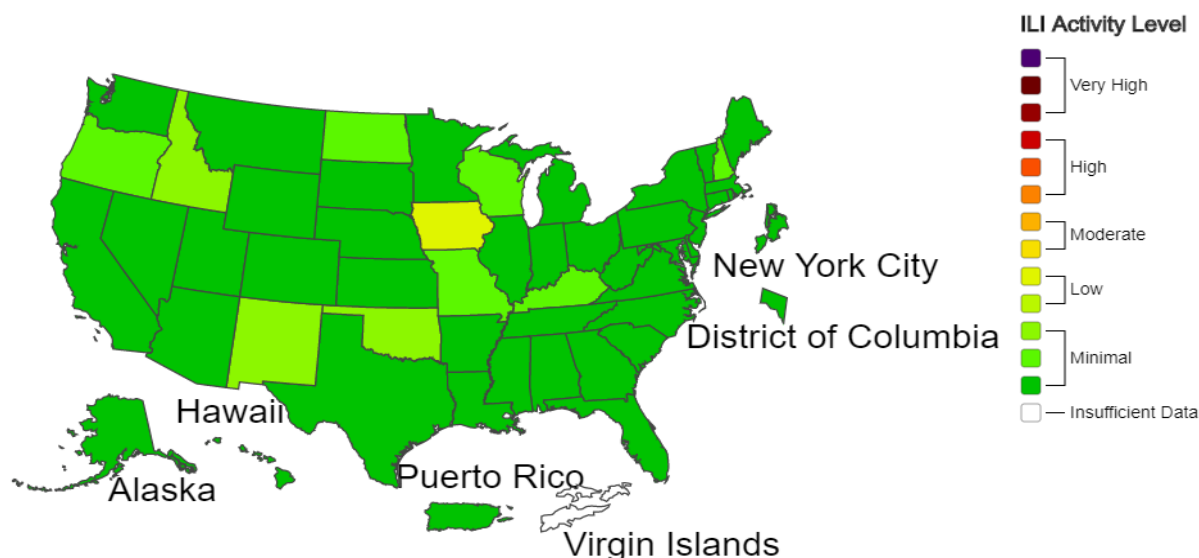
National Surveillance Data*: During week 43 (October 18th - October 24th, 2020), all U.S. states reported Minimal or Low influenza activity reported by sentinel ILINet providers. The percentage of outpatient visits for ILI remained at 1.2%, which is below the national baseline of 2.6%. All 10 HHS regions reported ILI levels below their region-specific baseline levels.

*National-level and regional-level data are reported one week later than Ohio state-level.

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet

2020-21 Influenza Season Week 43 ending Oct 24, 2020



*This map uses the proportion of outpatient visits to healthcare providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

Data Sources:

- 1. Emergency Department Visits (EpiCenter):** EpiCenter collects emergency department chief complaint data from hospitals and urgent care facilities across Medina County and classifies them into symptom and syndrome categories. Rates for chief complaints regarding fever + ILI and other symptoms commonly detected during the flu season are analyzed.
- 2. Influenza-Associated Hospitalizations (ODRS):** Influenza-associated hospitalizations and novel influenza infections are reported by the Medina County Health Department and hospitals using the Ohio Disease Reporting System (ODRS). Hospitalizations can be used as an indicator of the severity of illness during a particular influenza season. This condition became reportable in January 2009.
- 3. National Retail Data Monitor (NRDM):** NRDM collects over-the-counter medication sales at drug stores located within Medina County. Medication sales are broken down by adult and pediatric.

Medina County Health Department

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