



Weekly Influenza Activity Report









MMWR Week 44 (10/31/21-11/6/21)

Date Completed: 11/12/2021

Summary:

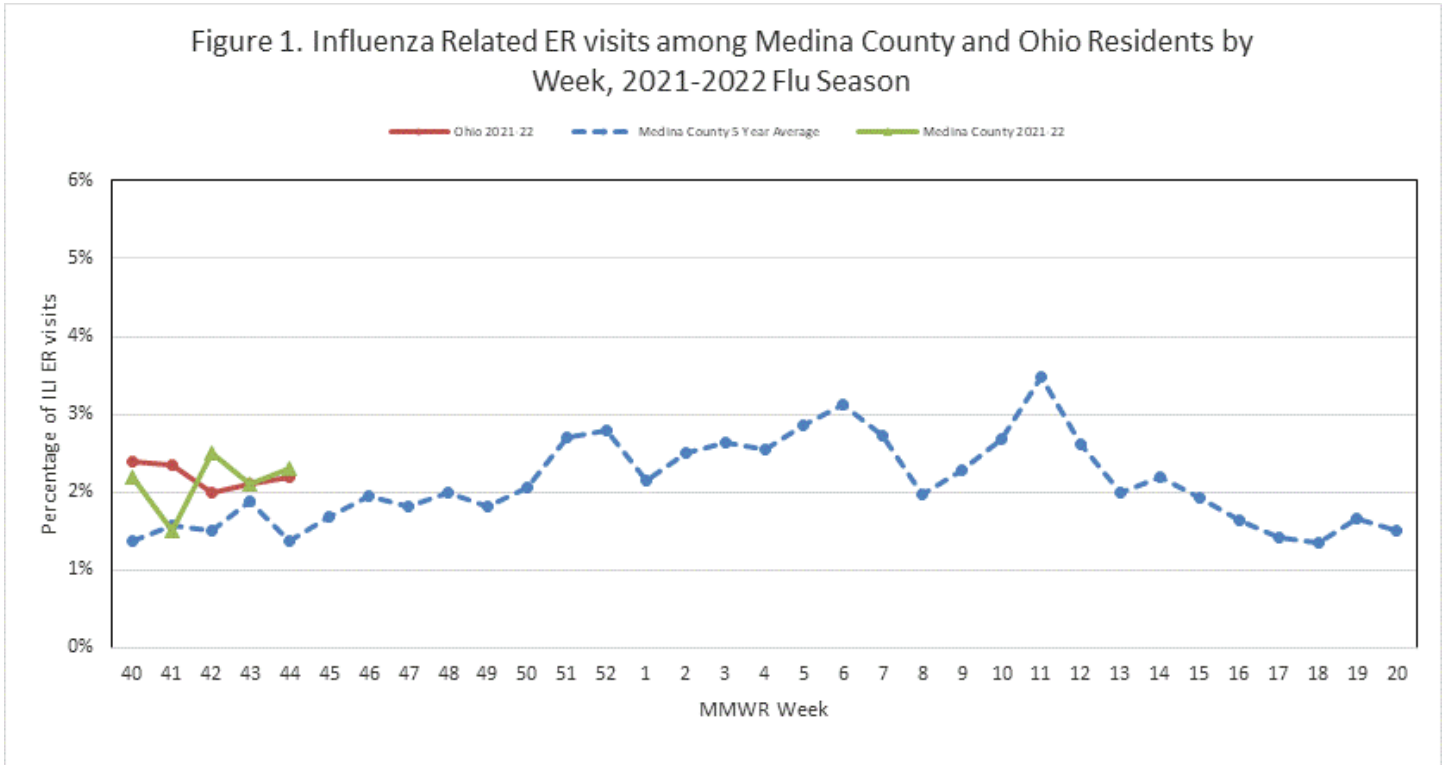
Public health surveillance data indicates levels of influenza like illness (ILI) is above the historical average for emergency department (ED) visits and similar to the historical average for hospitalizations. ILI ED visits are similar to statewide levels (Figure 1). ILI ED visits are found in one-half of the county’s zip codes (Figure 2). The highest frequency of ILI ED visits are among those less than 25 years of age (Figure 4). There are 0 influenza-associated hospitalizations and 0 novel influenza infections reported during the week. The incidence of influenza associated hospitalizations is similar to the 5-year historical average (Figure 3). Over-the-counter medication sales for adults increased significantly while sales for children increased slightly compared to the previous week (Figures 5 and 6).

Dashboard:

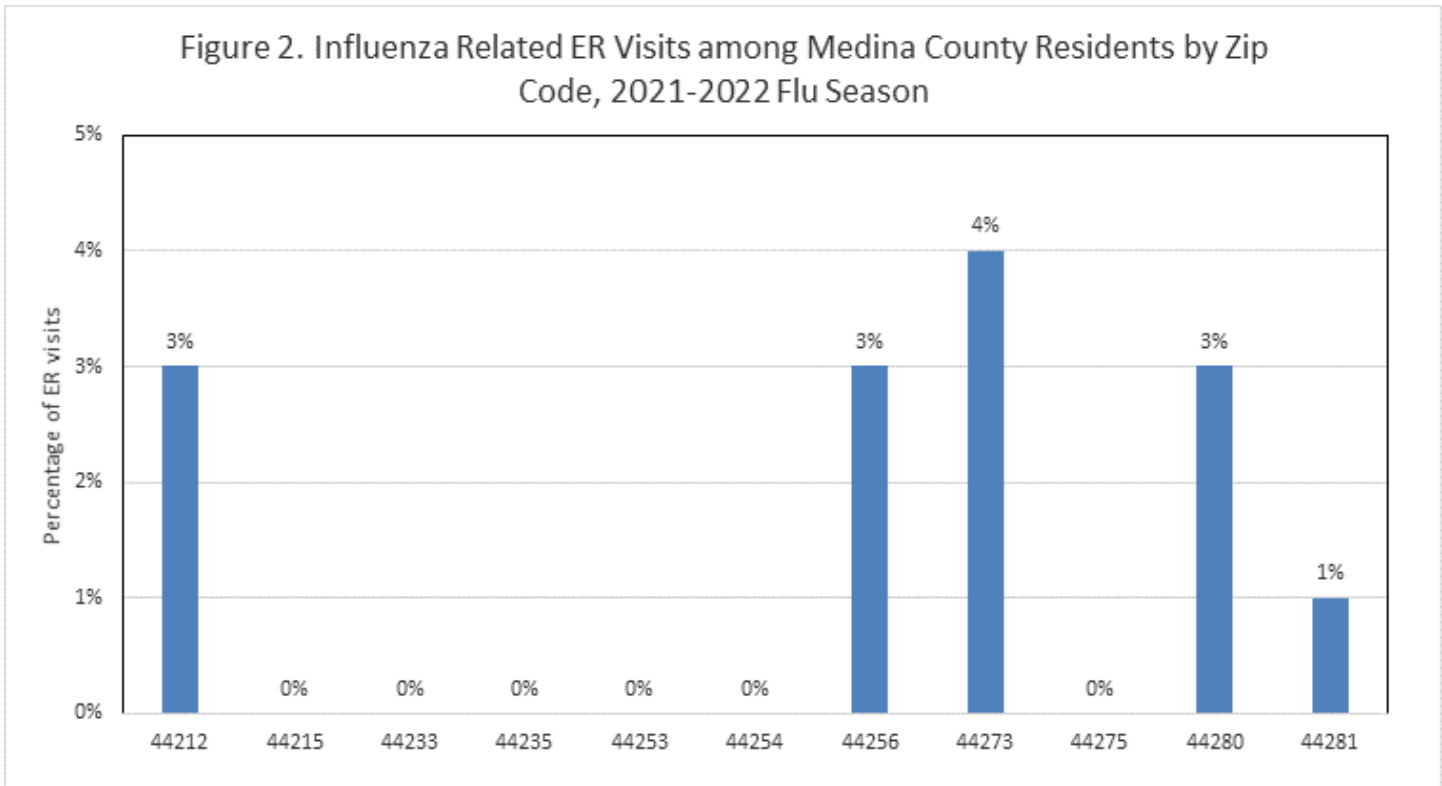
Indicator	Current Week	Previous Week	Trend (# of weeks)	Season to Date
Number of ILI ED visits ¹	33	30	 1	153
Percentage of ILI ED visits ¹	2.3%	2.1%	 1	-
Number of Influenza Hospitalizations ²	0	0	 4	0
Number of Novel Influenza Infections ²	0	0	 4	0
Number of Over-the-Counter ³ Medication Sales (Adult)*	1,907	1,581	 1	8,024
Number of Over-the-Counter ³ Medication Sales (Children)*	151	146	 2	699
Number of Influenza Deaths	0	0	 3	0
Number of Pneumonia Deaths	0	1	 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.

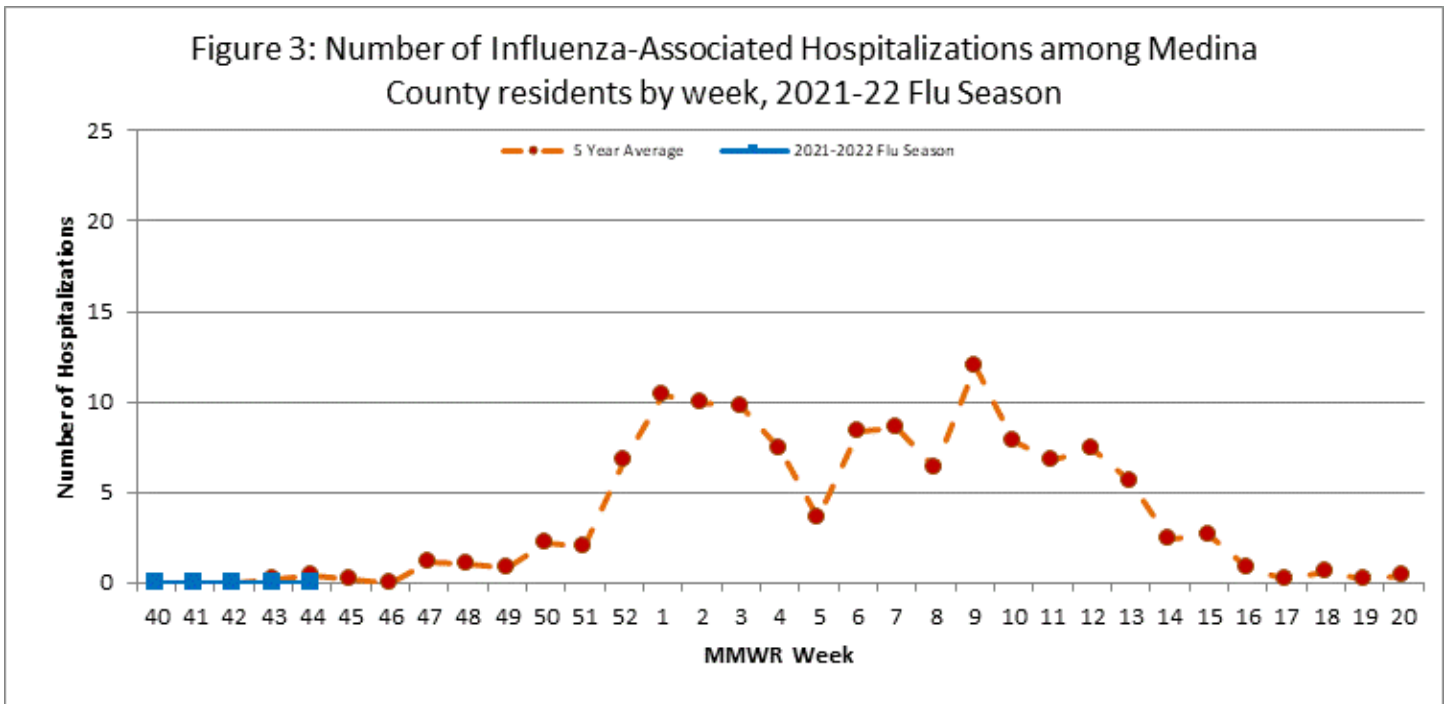
Percentage of ILI ED Visits by Week:



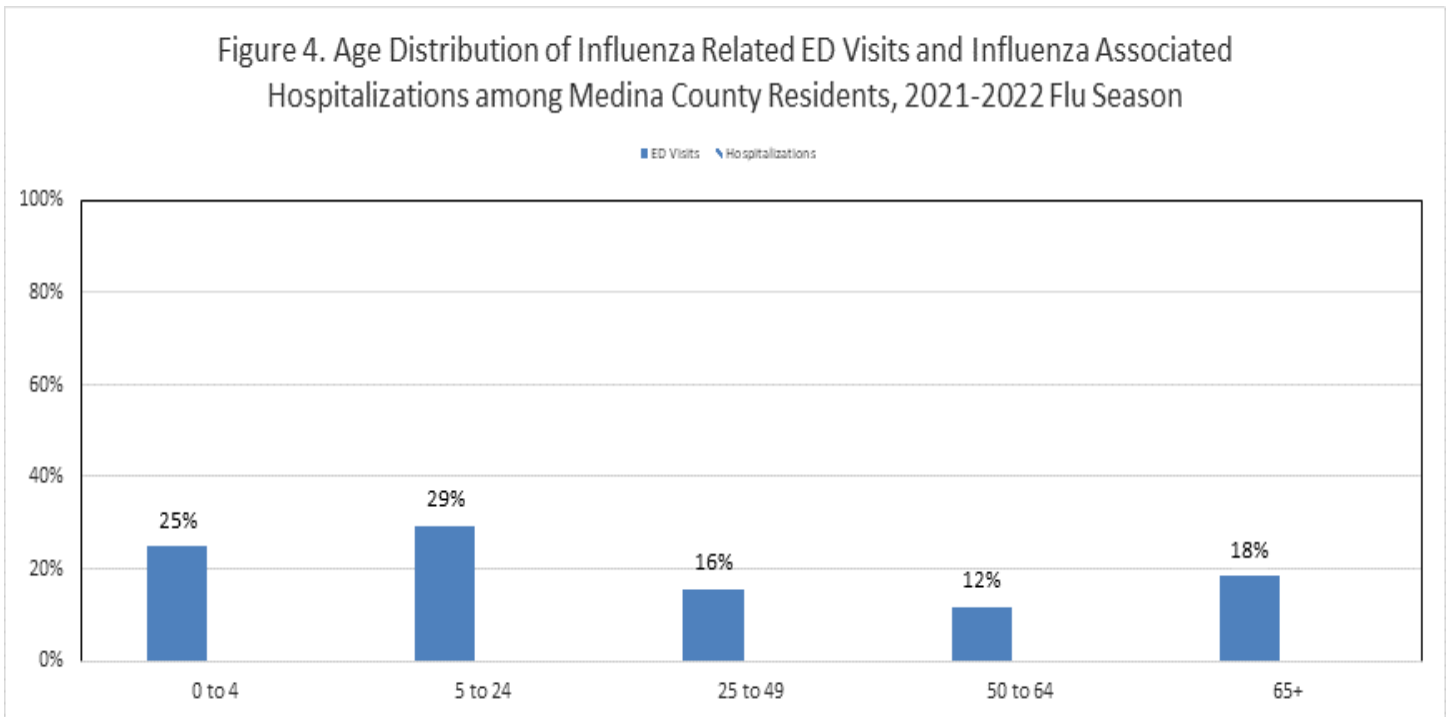
Geographic Distribution of Medina County ILI ED Visits:



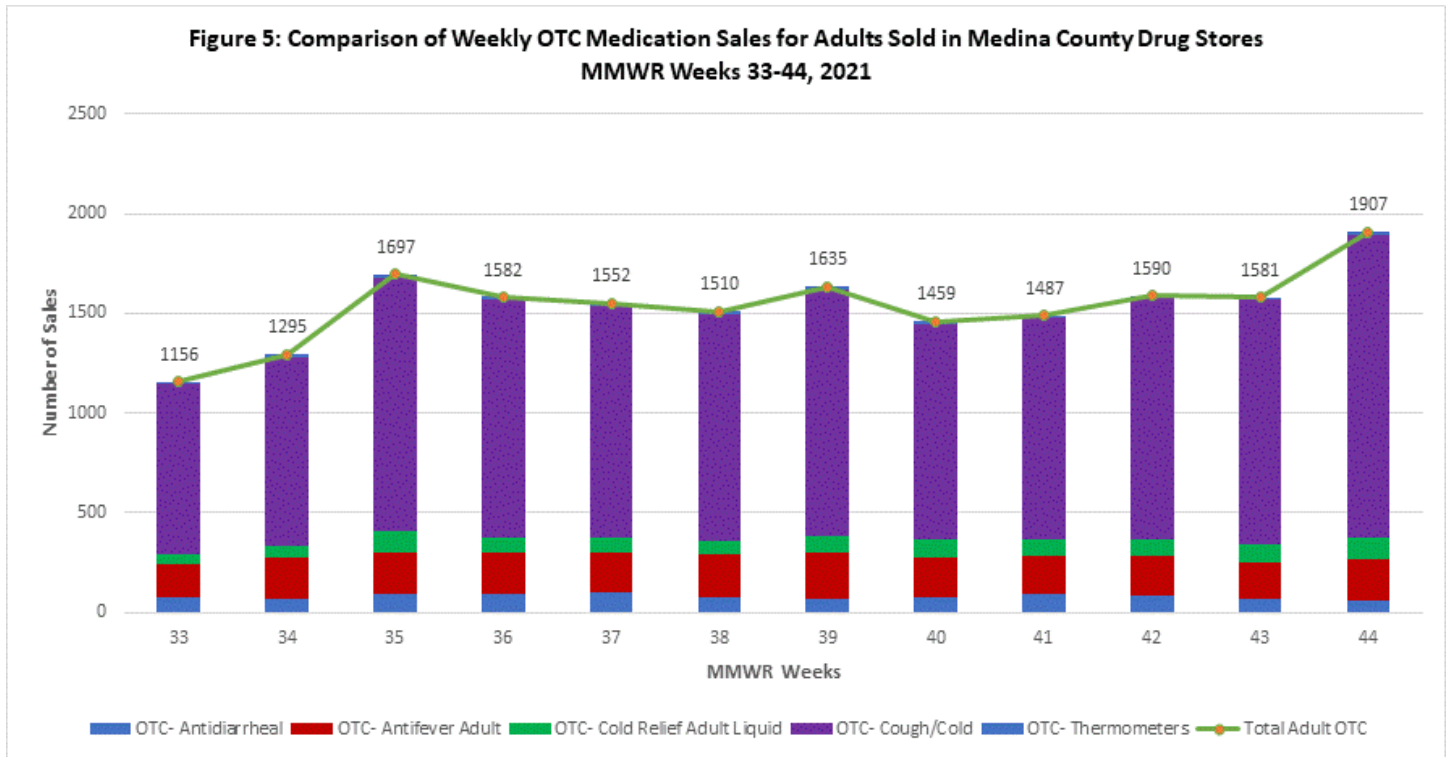
Incidence of Influenza-Associated Hospitalizations among Medina County Residents:



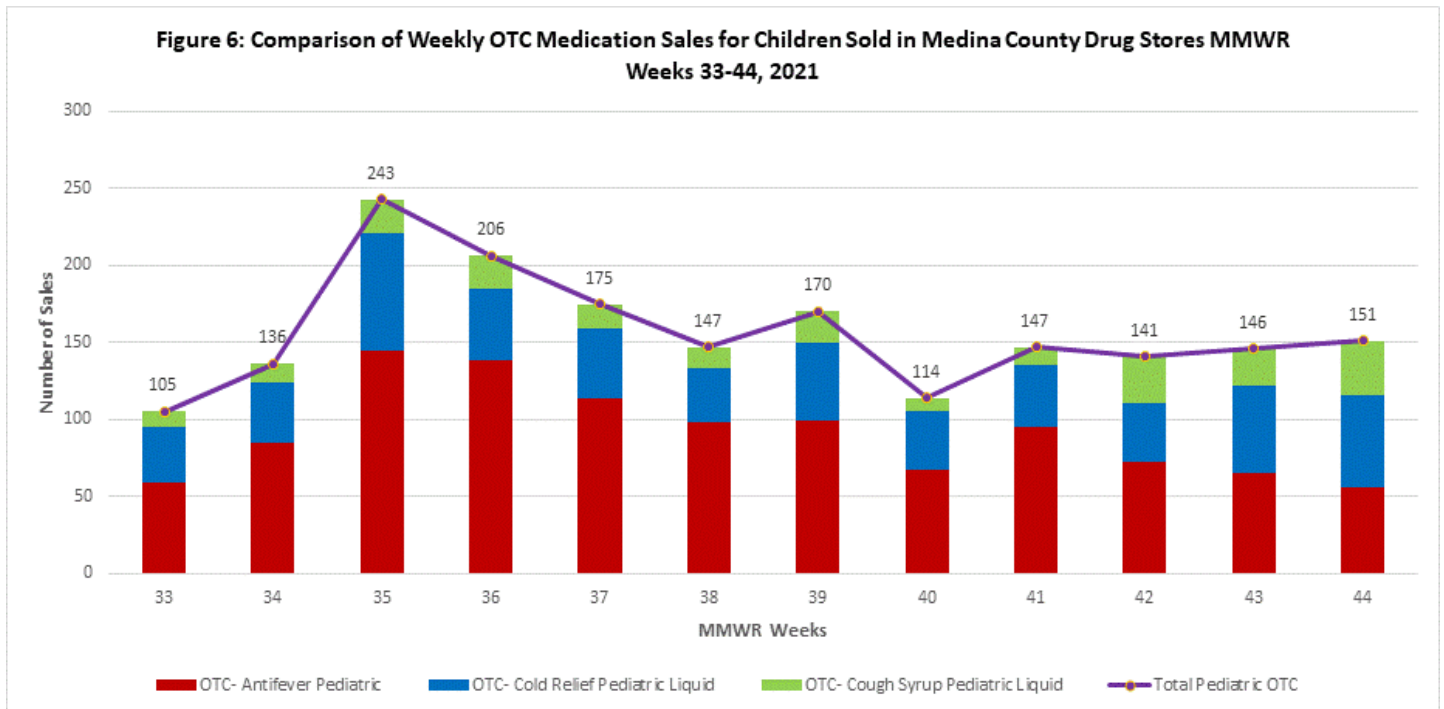
Age Distribution of Influenza ER Visits and Hospitalizations:



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 six specimens for influenza during the 2021-2022 influenza season; of these, 1 tested positive for influenza A(H1N1pdm09), 2 for influenza A (H3N2), 0 for influenza B, and 1 for swine variant influenza A(H3N2v) (through 10/30/2021).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) and U.S. World Health Organization (WHO) Collaborating Laboratories reported 1,899 tests for influenza performed at participating facilities; of these, 2 tested positive for influenza A(H1N1pdm09), 1 for influenza A(H3N2), 0 for influenza A (subtyping not performed), and 0 for influenza B (data as of 10/23/2021 - This data was not available at the time of report preparation, data through week 41 is shown).
- No pediatric influenza-associated mortalities have been reported so far during the 2021-2022 influenza season (through 10/30/2021).
- One novel influenza A virus infections has been reported so far during the 2021-2022 influenza season (through 10/30/2021).
- Incidence of confirmed influenza-associated hospitalizations in 2021-2022 season = 10 (through 10/30/2021).

HHS Regional Surveillance Data*: During week 42 (October 17th – October 23rd, 2021), the percentage of outpatient visits for influenza-like illness (ILI) in Region 5 (Ohio is in Region 5) was 1.3%, which is below the regional baseline of 2.0%.

National Surveillance Data*: During week 42 (October 17th – October 23rd, 2021), most U.S. states reported Minimal or Low influenza activity reported by sentinel ILINet providers. The percentage of outpatient visits for ILI was 1.8%, which is below the national baseline of 2.5%. All 10 HHS regions reported ILI levels below their region-specific baseline levels.

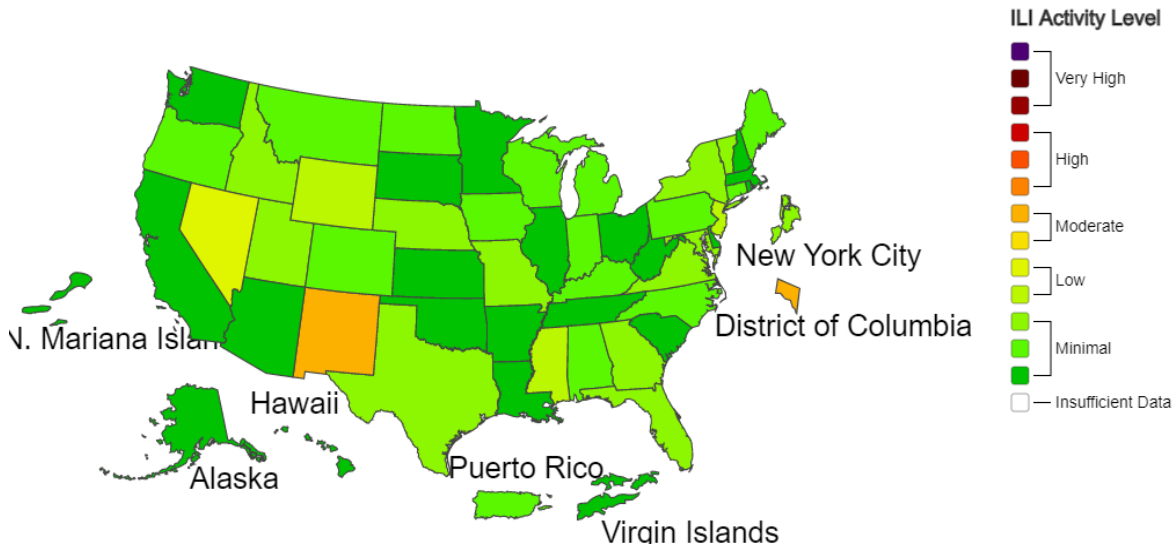
*National-level and regional-level data are reported one week later than Ohio state-level.

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

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

This system monitors visits for ILI (fever and cough or sore throat), not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

2021-22 Influenza Season Week 43 ending Oct 30, 2021



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

4800 Ledgewood Drive, Medina, Ohio 44256

330-723-9688, option 2

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