



Weekly Influenza Activity Report

MMWR Week 5 (1/29/23-2/4/23)

Date Completed: 2/12/2023

Summary:

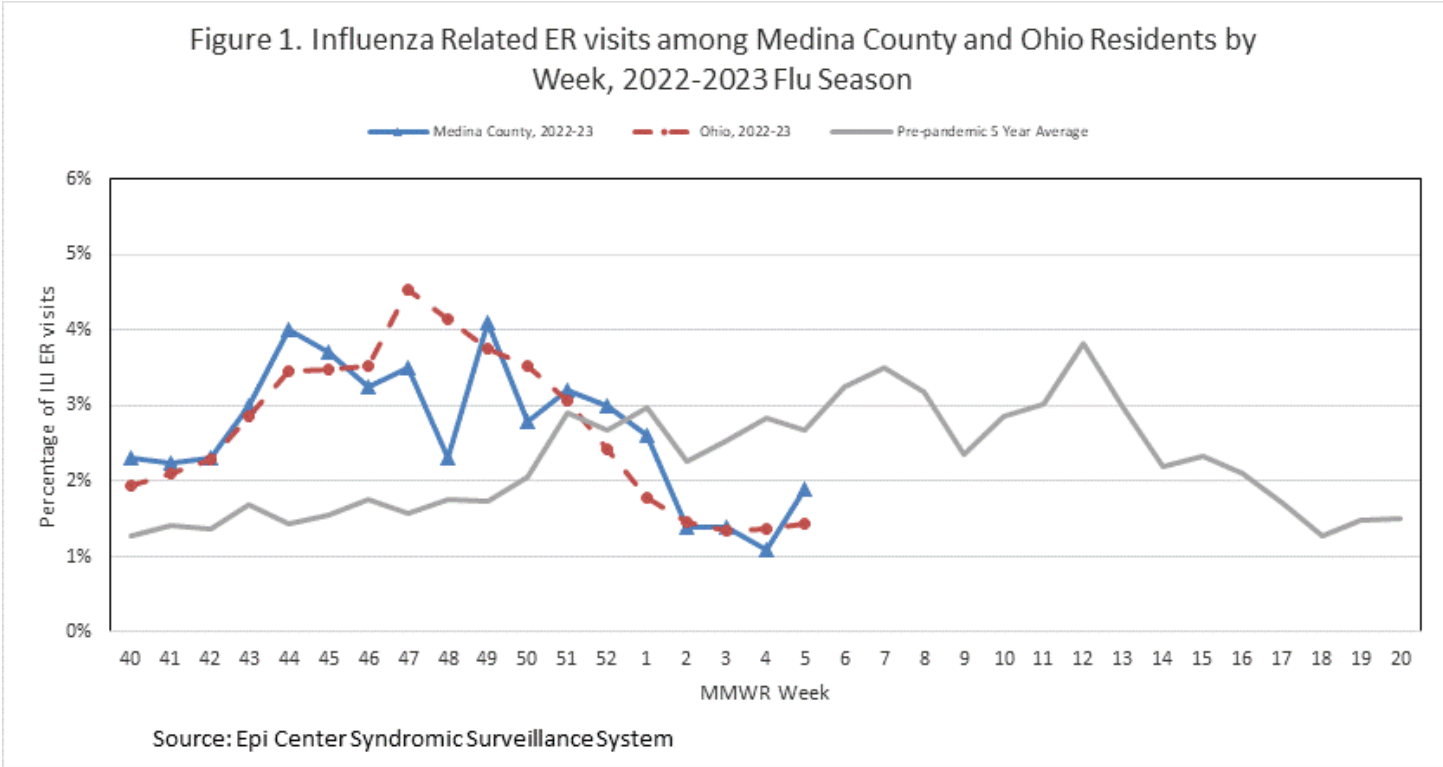
Public health surveillance data indicates levels of influenza like illness (ILI) is above the statewide average and below the pre-pandemic historical average for emergency room (ER) visits (Figure 1). ILI ER visits are found in one-half of the county’s zip codes with the highest levels found in the Spencer (44275) zip code (Figure 2). The highest frequency of ILI ER visits are among those less than 25 years of age (Figure 4). There was 2 influenza-associated hospitalizations reported which is well below the pre-pandemic historical average (Figure 3). During this season, most of the influenza associated hospitalizations have occurred among those 65 years of age or older (Figure 4). There were 0 novel influenza infections reported during the week. The number of over the counter (OTC) adult medication sales and children’s medication sales increased compared to the previous week (Figures 5 and 6).

Dashboard:

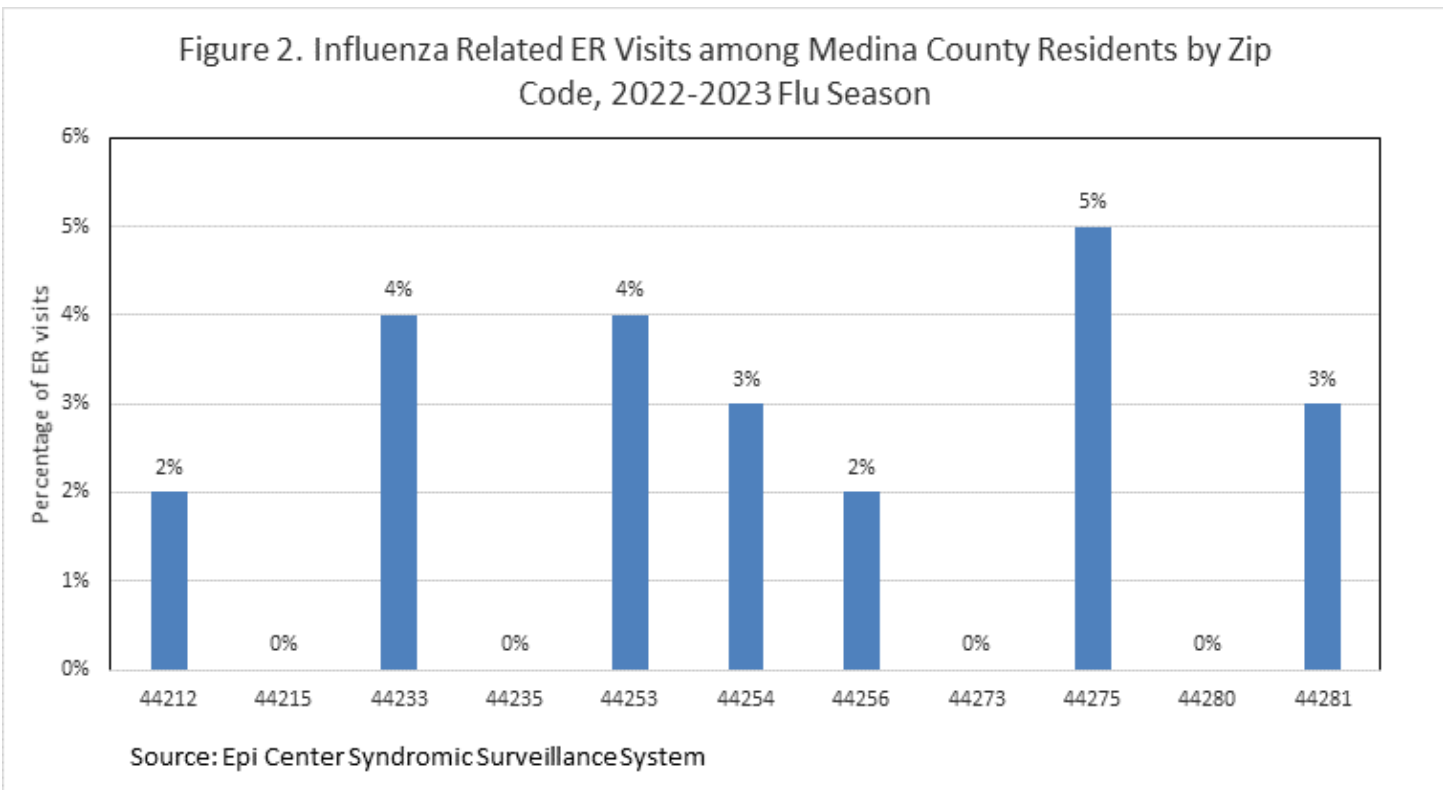
Indicator	Current Week	Previous Week	Trend (# of weeks)	Season to Date
Number of ILI ER visits ¹	22	13	↑ 1	616
Percentage of ILI ER visits ¹	1.9%	1.1%	↑ 1	-
Number of Influenza Hospitalizations ²	2	1	↑ 1	106
Number of Novel Influenza Infections ²	0	0	↔ 15	0
Number of Over-the-Counter ³ Medication Sales (Adult)*	1,790	1,586	↑ 2	38,796
Number of Over-the-Counter ³ Medication Sales (Children)*	176	131	↑ 2	2,964
Number of Influenza Deaths	0	0	↔ 2	5
Number of Pneumonia Deaths	0	0	↔ 1	8

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.

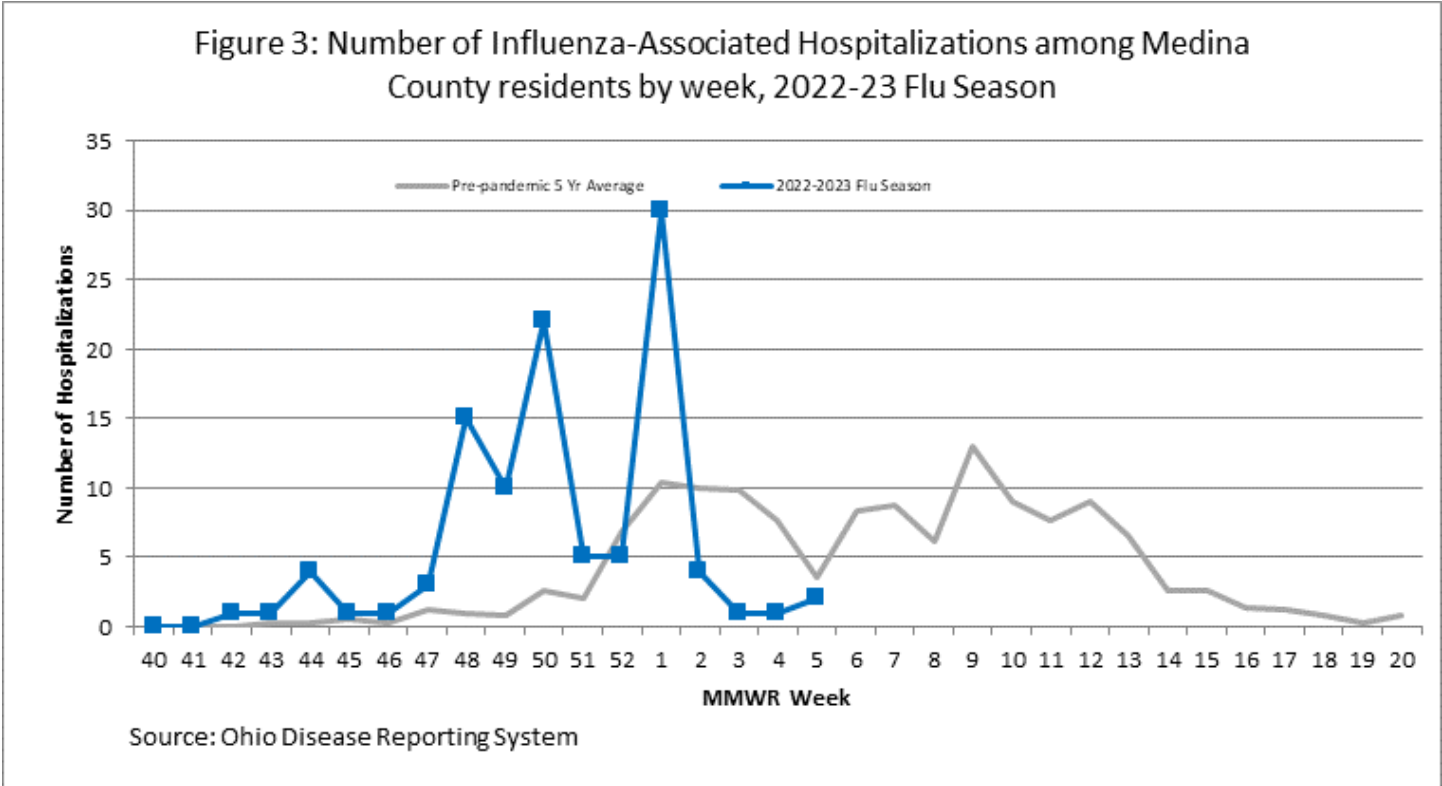
Percentage of ILI ER Visits by Week:



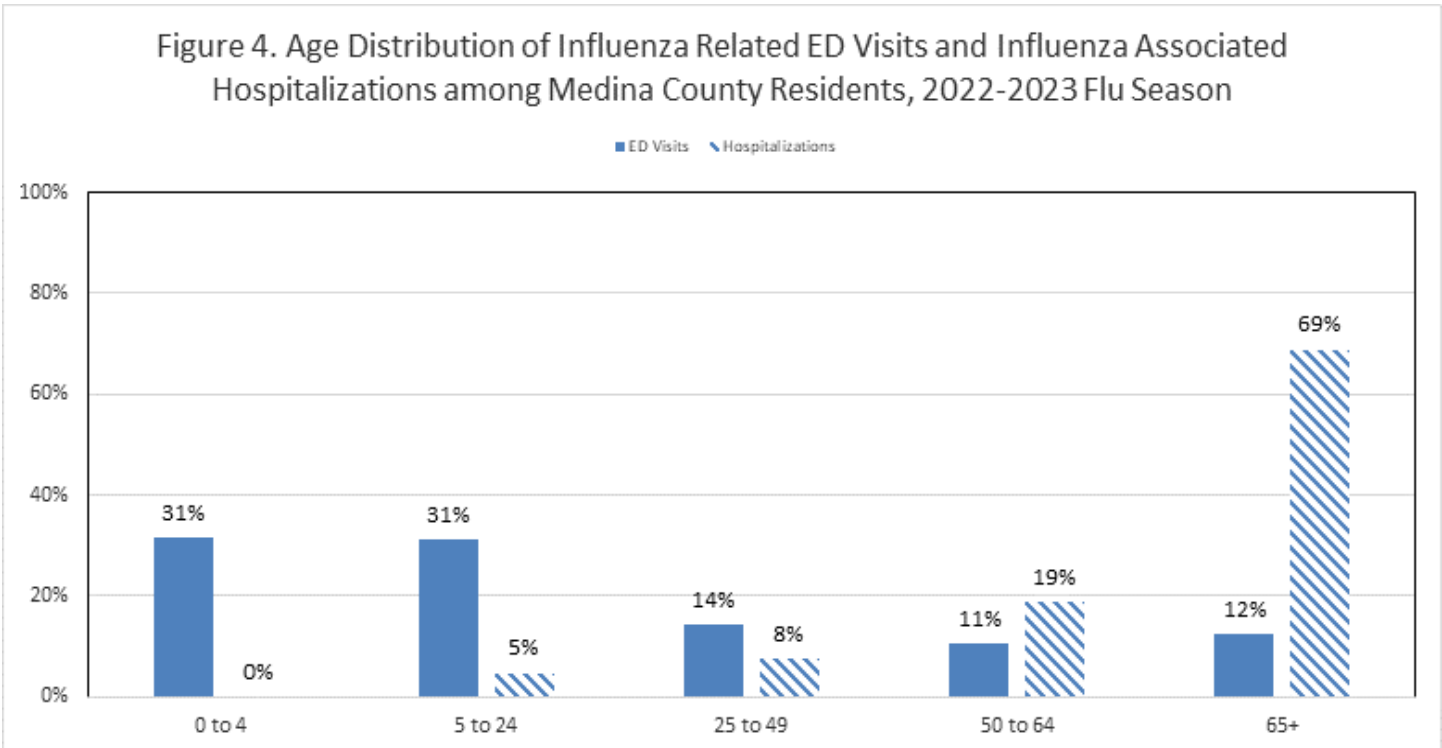
Geographic Distribution of Medina County ILI ER Visits:



Incidence of Influenza-Associated Hospitalizations among Medina County Residents:

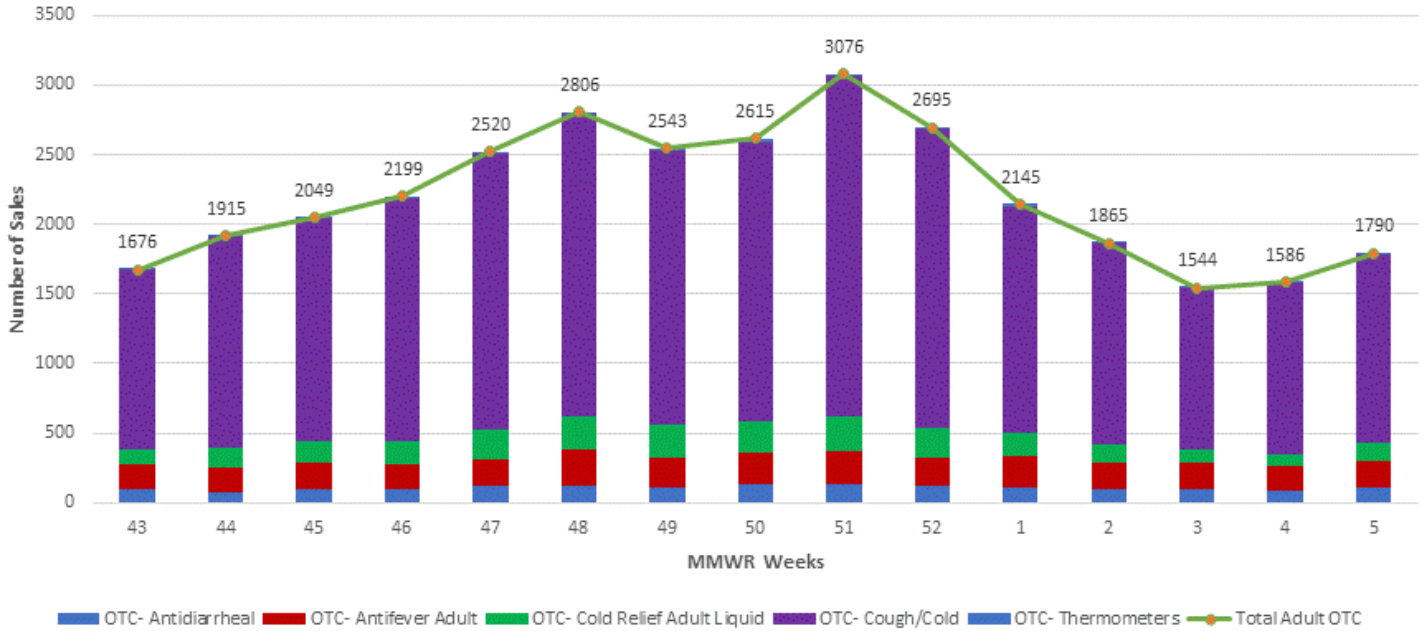


Age Distribution of Influenza ER Visits and Hospitalizations among Medina County



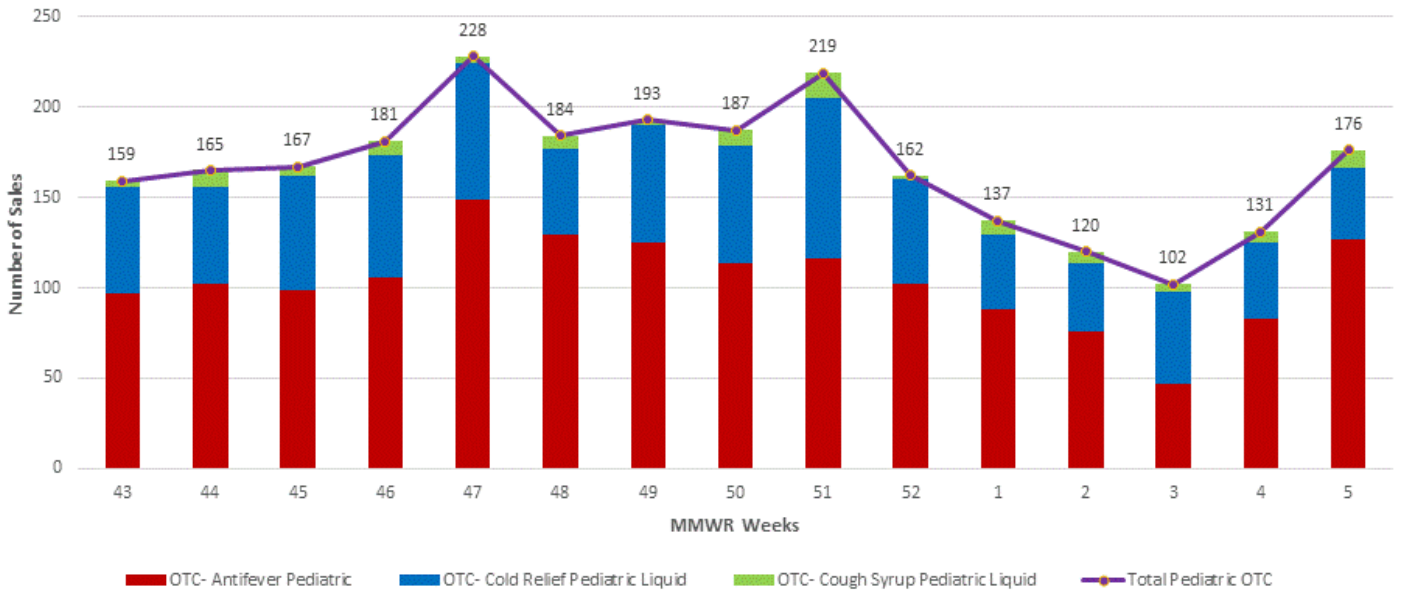
Number of OTC Medication Sales for Adults Sold in Medina County Drug Stores:

Figure 5: Comparison of Weekly OTC Medication Sales for Adults Sold in Medina County Drug Stores MMWR Weeks 43-5, 2022-2023



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

Figure 6: Comparison of Weekly OTC Medication Sales for Children Sold in Medina County Drug Stores MMWR Weeks 43-5, 2022-2023



State, Regional, and National Data:

Ohio Surveillance Data:

- The U.S. World Health Organization (WHO) Collaborating Laboratories System and the National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 121,221 tests for influenza performed at participating facilities; of these, 1,028 tested positive for influenza A(H1N1pdm09), 1,217 for influenza A(H3N2), 21,245 for influenza A (subtyping not performed), and 118 for influenza B (through 02/04/2023).
- Four influenza-associated pediatric mortalities have been reported so far during the 2022-2023 influenza season (through 02/04/2023).
- No novel influenza A virus infections have been reported so far during the 2022-2023 influenza season (through 02/04/2023).
- Incidence of confirmed influenza-associated hospitalizations in 2022-2023 season = 8,654 (through 02/04/2023).

HHS Regional and National Surveillance Data*:

- During week 4 (January 22nd – January 28th, 2023), the percentage of outpatient visits for influenza-like illness (ILI) in Region 5 (Ohio is in Region 5) was 1.6%, which is below the regional baseline of 2.5%.
- During week 4 (January 22nd – January 28th, 2023), the majority of U.S. states reported Minimal or Low activity, though some states are reporting Moderate or High activity. The percentage of outpatient visits for ILI was 2.6%, which is above the national baseline of 2.5%. Three of 10 HHS regions reported ILI levels above their region-specific baseline level.

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

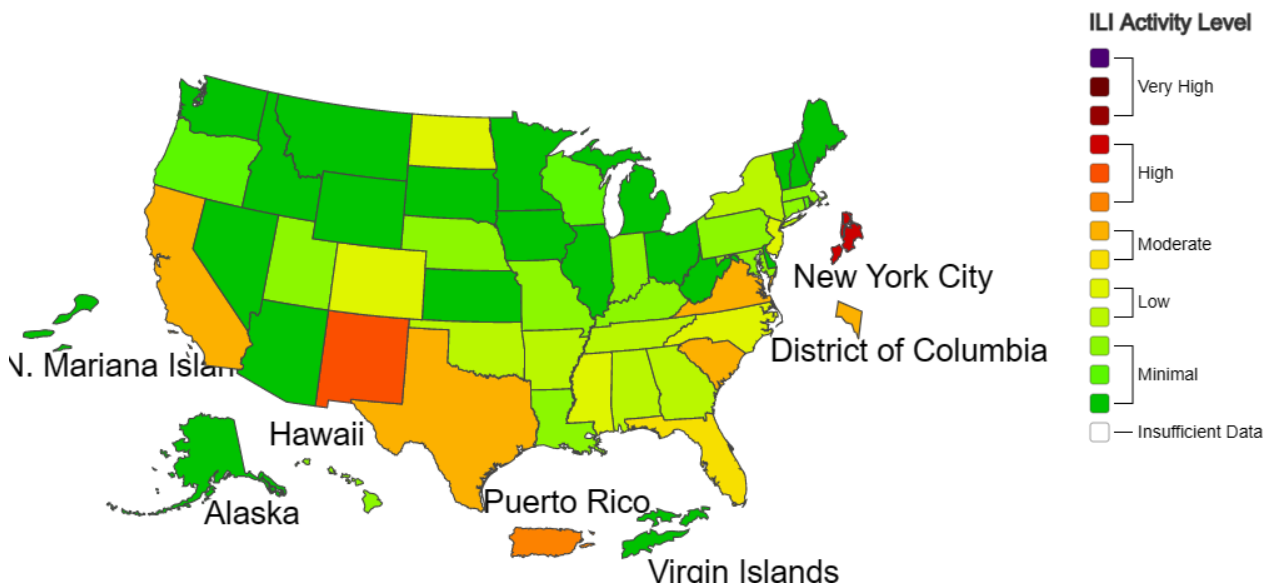


A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Outpatient Respiratory Illness Activity Map Determined by Data Reported to ILINet

This system monitors visits for respiratory illness that includes fever plus a cough or sore throat, also referred to as ILI, not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

2022-23 Influenza Season Week 5 ending Feb 04, 2023



Data Sources:

- 1. Emergency Room Visits (EpiCenter):** EpiCenter collects emergency room 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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