



Weekly Influenza Activity Report

MMWR Week 52 (12/26/21-1/1/22)

Date Completed: 1/7/2022

Summary:

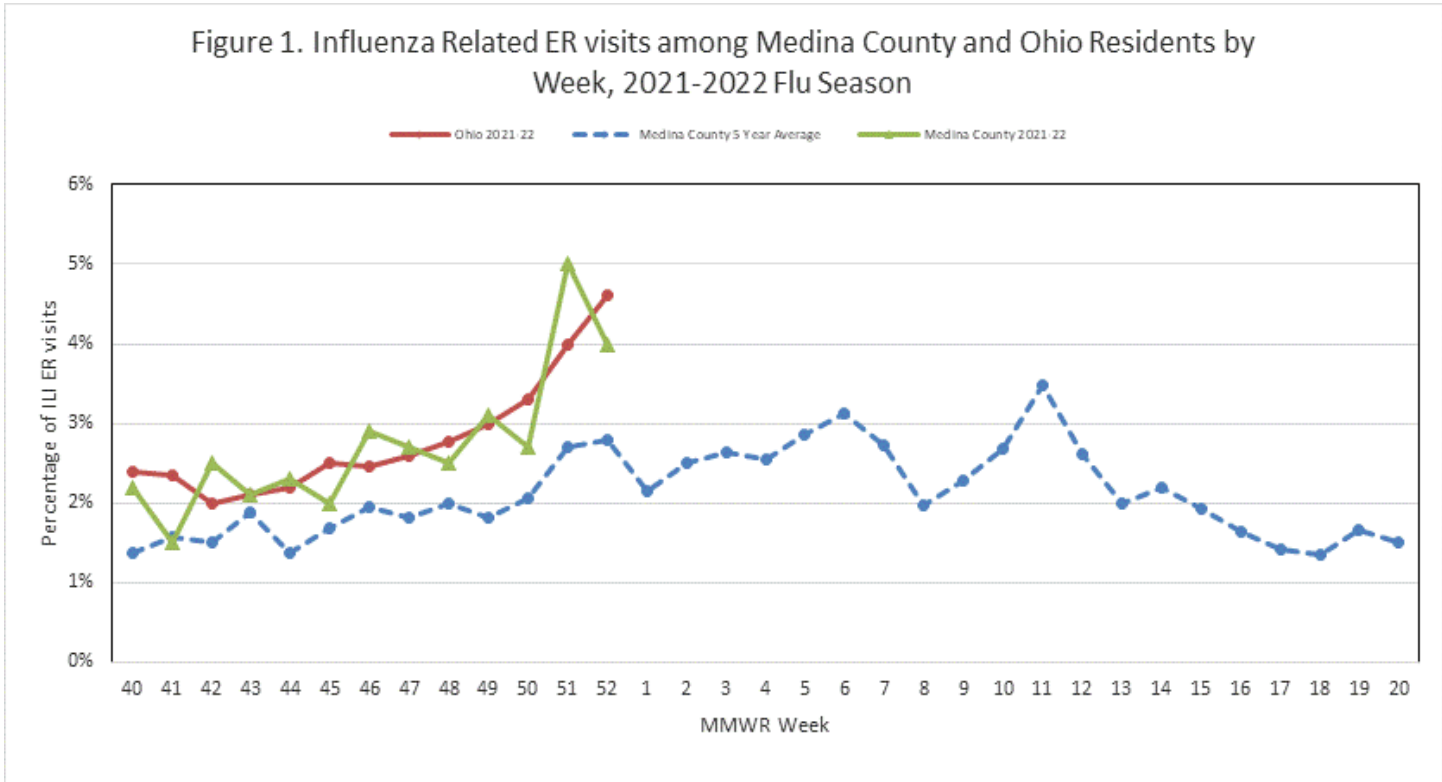
Public health surveillance data indicates levels of influenza like illness (ILI) is lower than statewide levels for emergency department (ED) visits (Figure 1). ILI ED visits are widespread with ILI activity present in the majority of the county's zip codes (Figure 2). The zip codes with the highest percentage of ILI ED visits were the Homer (44235), Lodi (44254), Spencer (44275) zip codes. The highest frequency of ILI ED visits are among those less than 50 years of age (Figure 4). There were 0 influenza-associated hospitalizations and 0 novel influenza infections reported during the week. The incidence of influenza associated hospitalizations is lower than the 5-year historical average (Figure 3). Over-the-counter medication sales for adults increased while medication sales for children decreased compared to the previous week (Figures 5 and 6).

Dashboard:

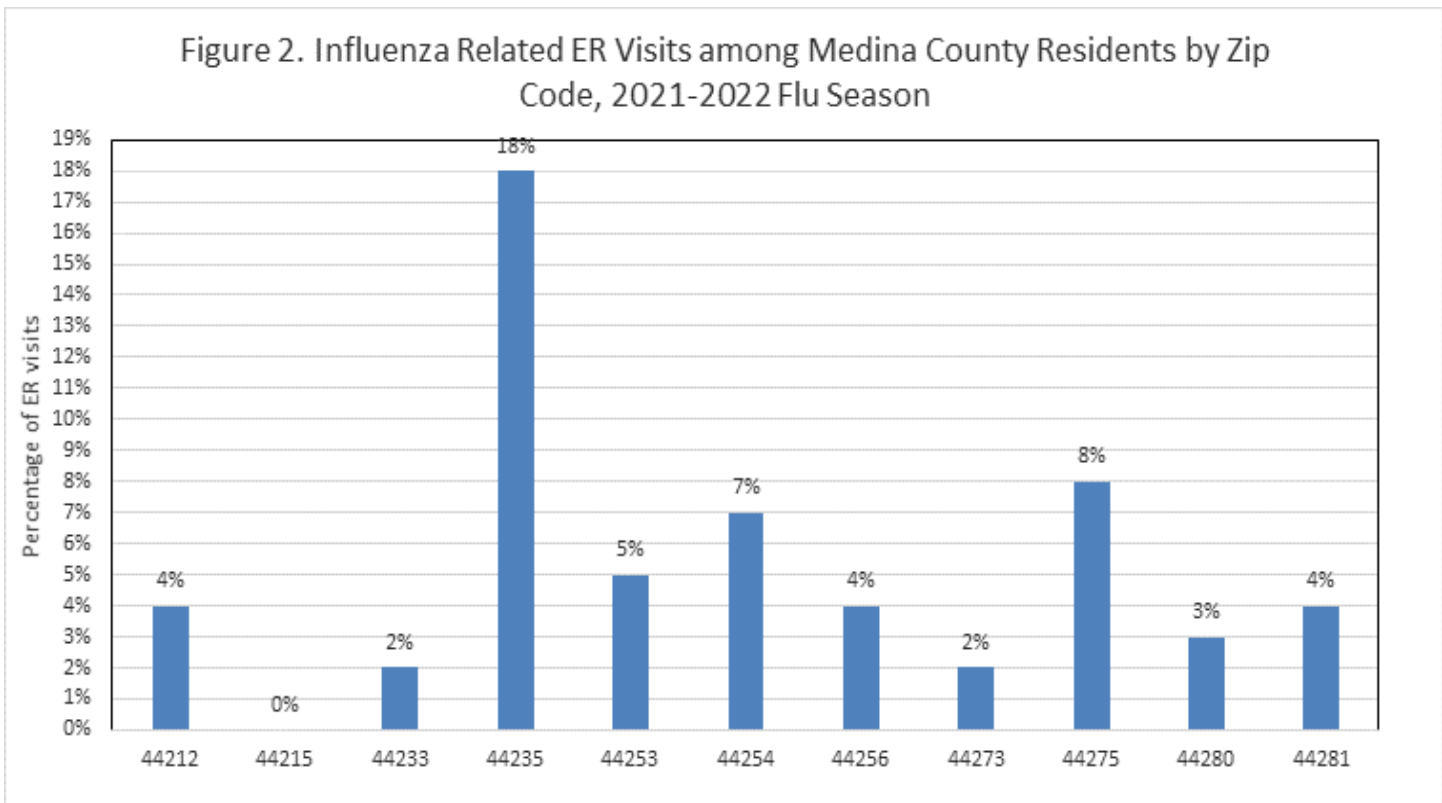
Indicator	Current Week	Previous Week	Trend (# of weeks)	Season to Date
Number of ILI ED visits ¹	62	70	↓ 1	521
Percentage of ILI ED visits ¹	4.0%	5.0%	↓ 1	-
Number of Influenza Hospitalizations ²	1	0	↑ 1	2
Number of Novel Influenza Infections ²	0	0	↔ 12	0
Number of Over-the-Counter ³ Medication Sales (Adult)*	3,334	2,846	↑ 3	26,197
Number of Over-the-Counter ³ Medication Sales (Children)*	166	216	↓ 1	1,990
Number of Influenza Deaths	0	0	↔ 12	0
Number of Pneumonia Deaths	1	0	↑ 1	10

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.

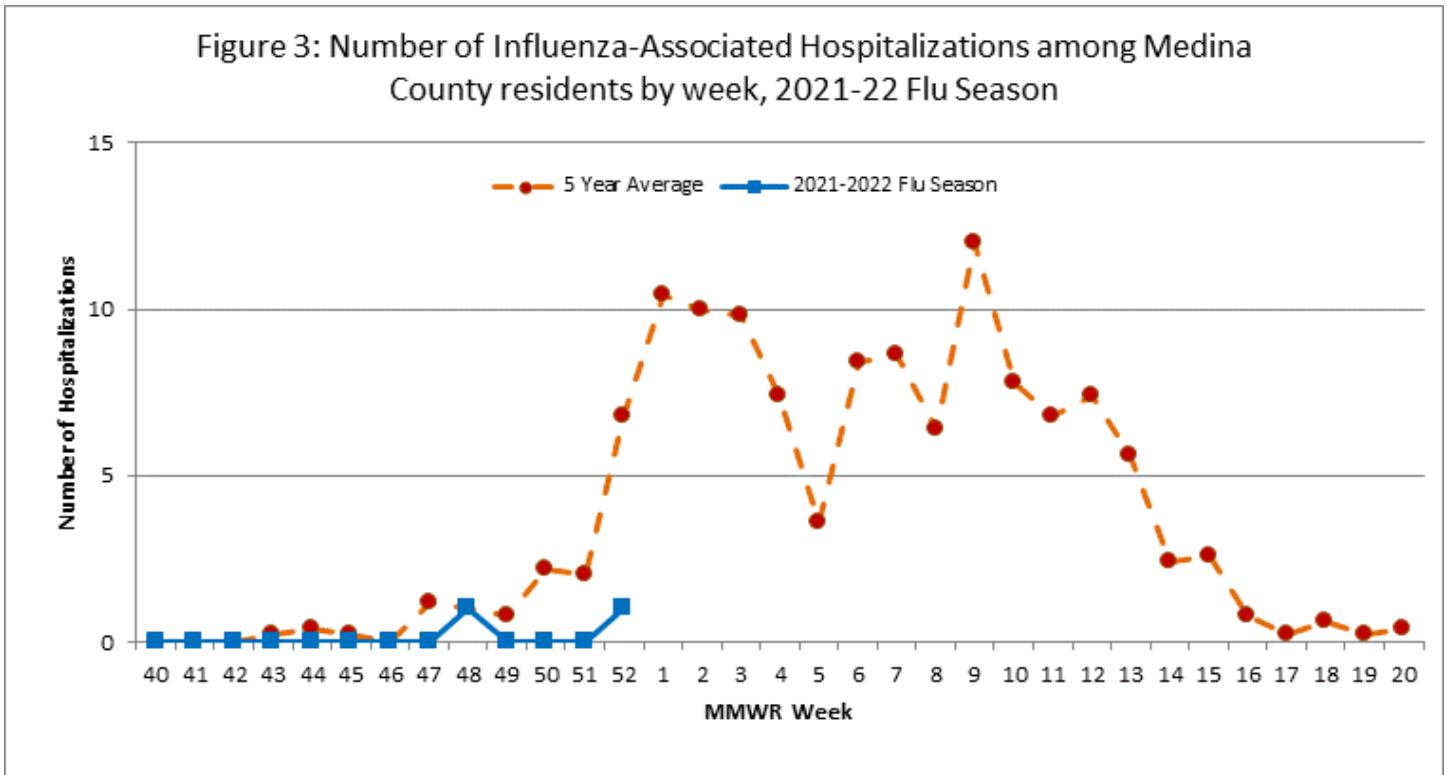
Percentage of ILI ED Visits by Week:



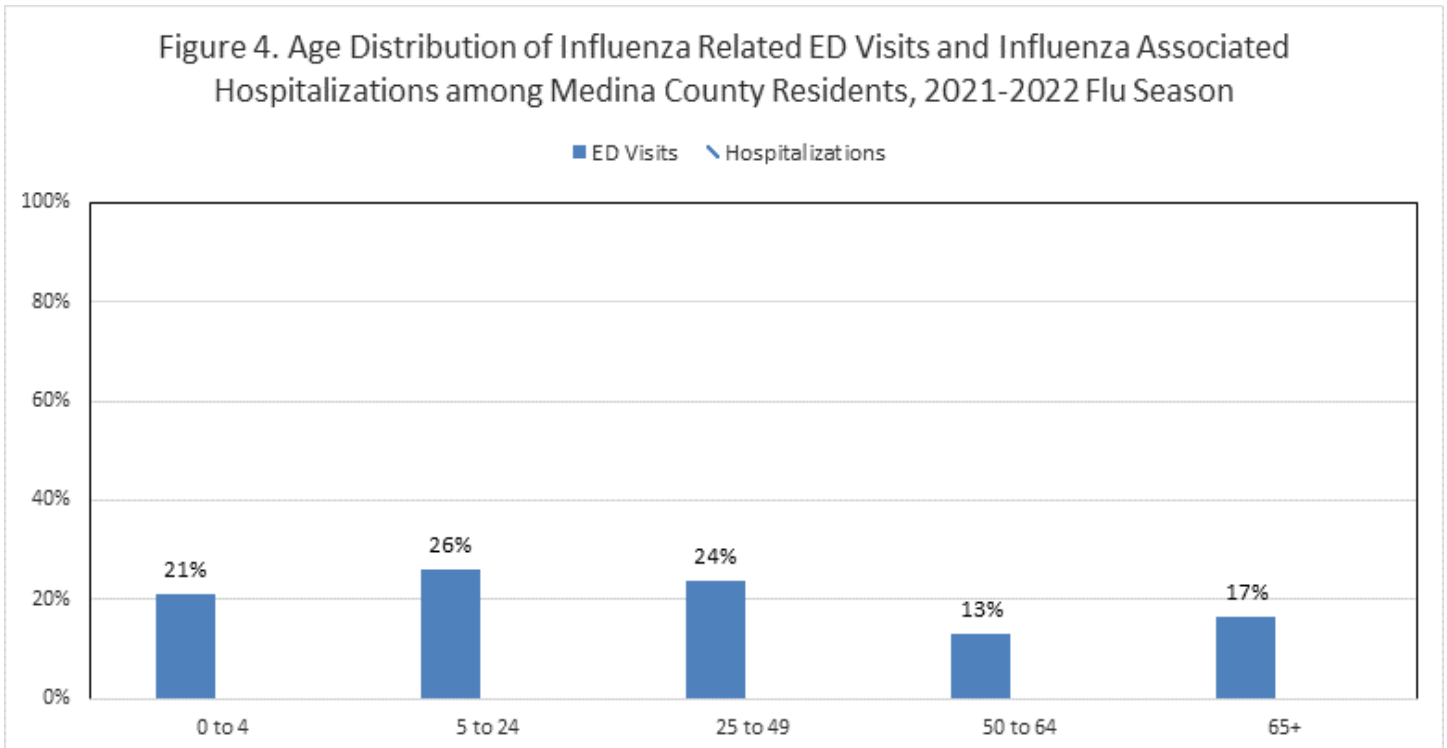
Geographic Distribution of Medina County ILI ED Visits:



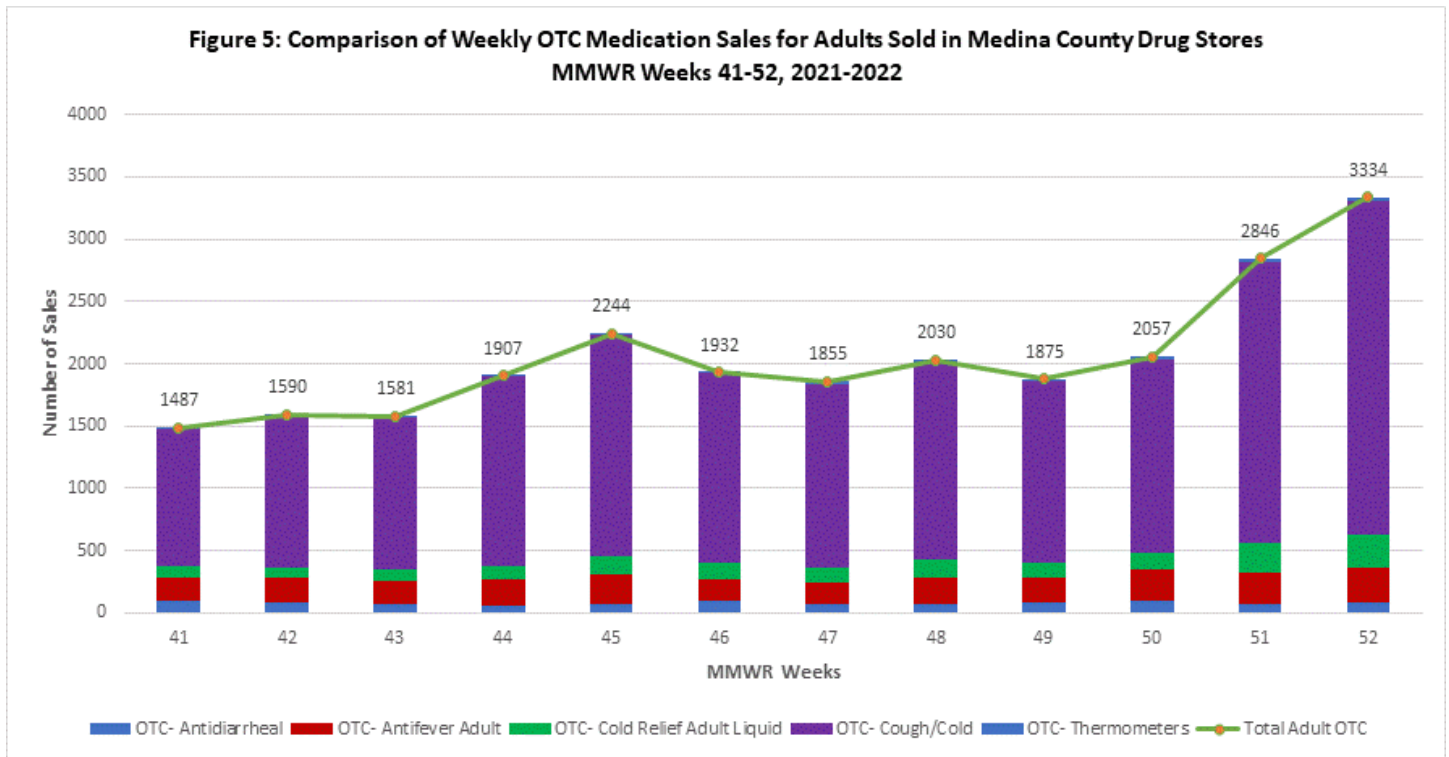
Incidence of Influenza-Associated Hospitalizations among Medina County Residents:



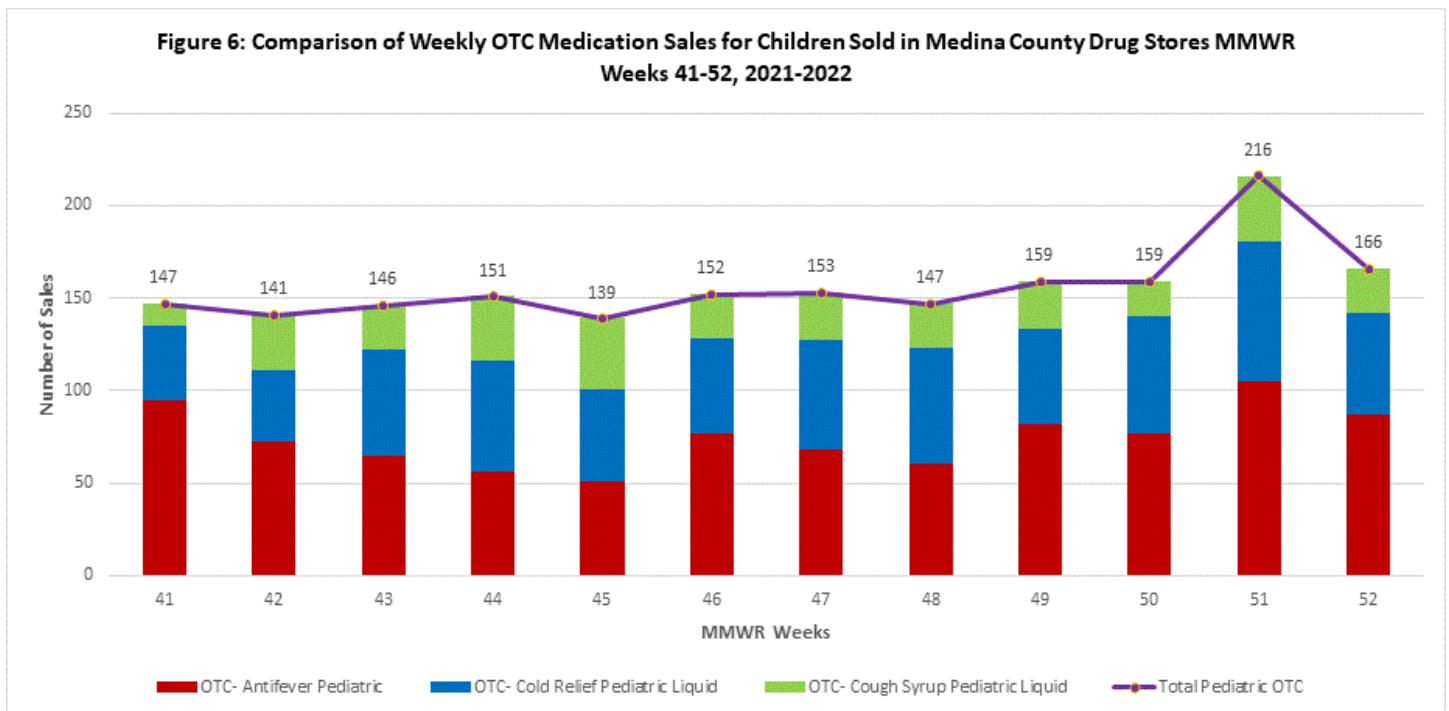
Age Distribution of Influenza ER Visits and Hospitalizations:



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 291 specimens for influenza during the 2021-2022 influenza season: of these, 1 tested positive for influenza A(H1N1pdm09), 261 for influenza A (H3N2), 3 for influenza B, and 1 for swine variant influenza A(H3N2v) (through 01/01/2022).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) and U.S. World Health Organization (WHO) Collaborating Laboratories reported 50,816 tests for influenza performed at participating facilities; of these, 8 tested positive for influenza A(H1N1pdm09), 182 for influenza A(H3N2), 752 for influenza A (subtyping not performed), 21 for influenza B, and 1 for swine variant influenza A (H3N2v) (National Respiratory and Enteric Virus Surveillance System (NREVSS) and U.S. World Health Organization (WHO) Collaborating Laboratories data is unavailable for week 51, data through MMWR week 50 is shown).
- No pediatric influenza-associated mortalities have been reported so far during the 2021-2022 influenza season (through 01/01/2022).
- One novel influenza A virus infection has been reported so far during the 2021-2022 influenza season (through 01/01/2022).
- Incidence of confirmed influenza-associated hospitalizations in 2021-2022 season = 328 (through 01/01/2022).

HHS Regional Surveillance Data*: During week 51 (December 19th – December 25th , 2021), the percentage of outpatient visits for influenza-like illness (ILI) in Region 5 (Ohio is in Region 5) was 3.1%, which is above the regional baseline of 2.5%.

National Surveillance Data*: During week 51 (December 19th – December 25th, 2021), most U.S. states reported Moderate, High, or Very High influenza activity reported by sentinel ILINet providers; some states are reporting Minimal or Low activity. The percentage of outpatient visits for ILI was 3.8%, which is above the national baseline of 2.5%. Nine of the 10 HHS regions reported ILI levels above their region-specific baseline level.

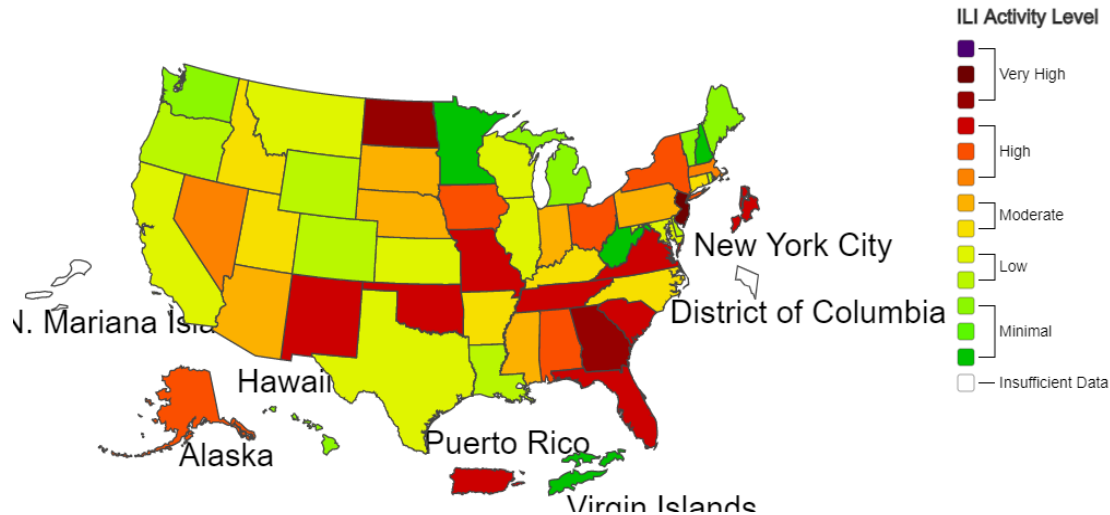
*National-level and regional-level data are reported one week later than Ohio state-level.

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.

2021-22 Influenza Season Week 51 ending Dec 25, 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

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