

Summary

This report contains a summary of influenza activity and influenza cases reported to the Medina County Health Department during MMWR Week 14 (3/31/2024 - 4/6/2024). The percentage of emergency department (ED) visits for Influenza-like-illness (ILI) symptoms and fever is lower than the historical average (Figure 1). There were 5 hospitalizations reported in Medina County which is higher than the historical average (Figure 2). Zip code 44233 had the highest percentage of ED visits (Figure 3). During the current influenza season, the age group 5 - 24 years has the highest percentage of ED visits and the age group 65+ years has the highest percentage of hospitalizations (Figure 4). There were a total of 1,256 reported over-the-counter (OTC) medication and thermometer sales in MMWR Week 14 (Figure 5).

Medina County Dashboard

Indicator	Current Week	Previous Week	Trend (# of weeks)	Season to Date
Number of Fever + ILI ED Visits¹	17	22	↓ 1	469
Percentage of Fever + ILI ED Visits¹	1.4%	1.9%	↓ 1	-
Number of Influenza Hospitalizations²	5	8	↓ 1	152
Number of Novel Influenza Infections²	0	0	— 27	0
Number of Over-the-Counter Medication and Thermometer Sales³	1,256	1,505	↓ 1	40,706
Number of Influenza Deaths⁴	0	0	— 6	2
Number of Pneumonia Deaths⁴	0	0	— 5	9

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

Figure 1. Percentage of ED Visits with Influenza-like-Illness Symptoms and Fever among Medina County and Ohio Residents by MMWR Week, 2023-2024 Influenza Season and Historic 5-Year Average

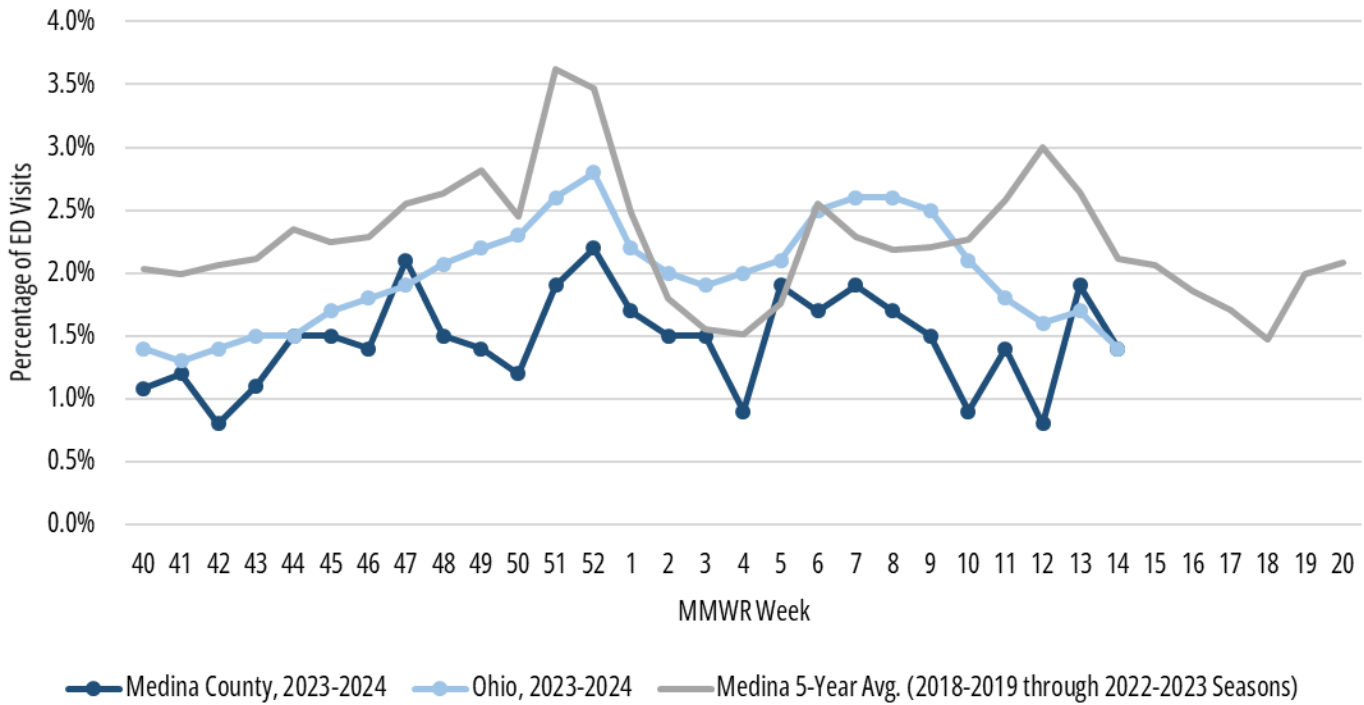
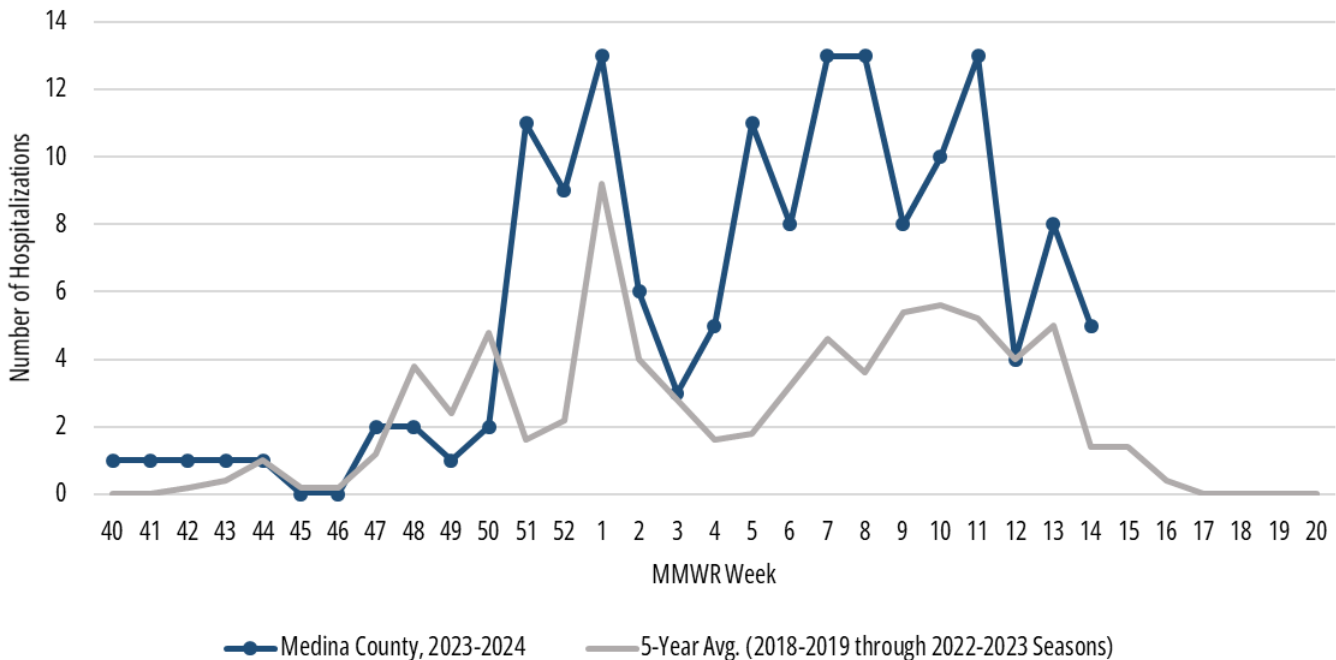


Figure 2. Number of Reported Influenza-Associated Hospitalizations among Medina County Residents by MMWR Week, 2023-2024 Influenza Season and Historic 5-Year Average



*Historic 5-year averages should be interpreted with caution as the COVID-19 pandemic disrupted seasonal influenza trends.

- 1 - EpiCenter. Health Monitoring.
- 2 - Ohio Disease Reporting System (ODRS). Ohio Department of Health.
- 6 - Ohio Department of Health. Ohio Seasonal Influenza Activity Report.

Figure 3. Percentage of ED Visits with Influenza-like-Illness Symptoms and Fever among Medina County Residents by Zip Code MMWR Week 14, 2023-2024 Influenza Season

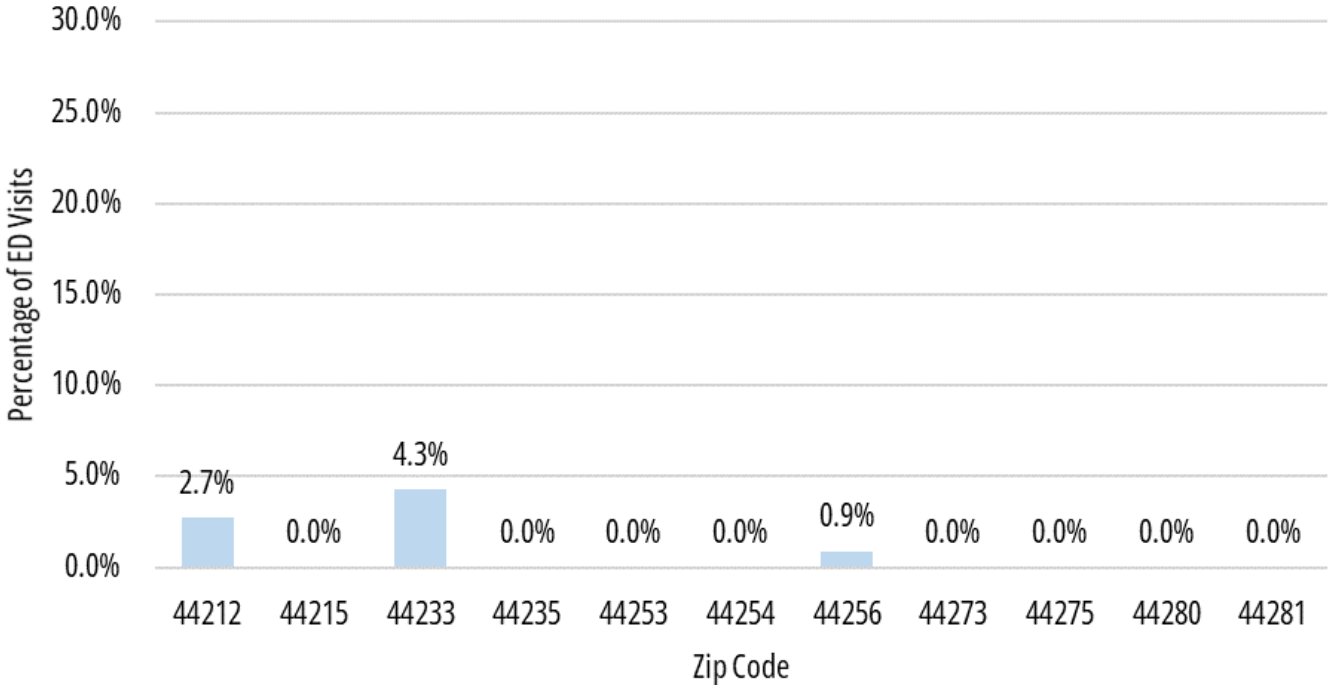
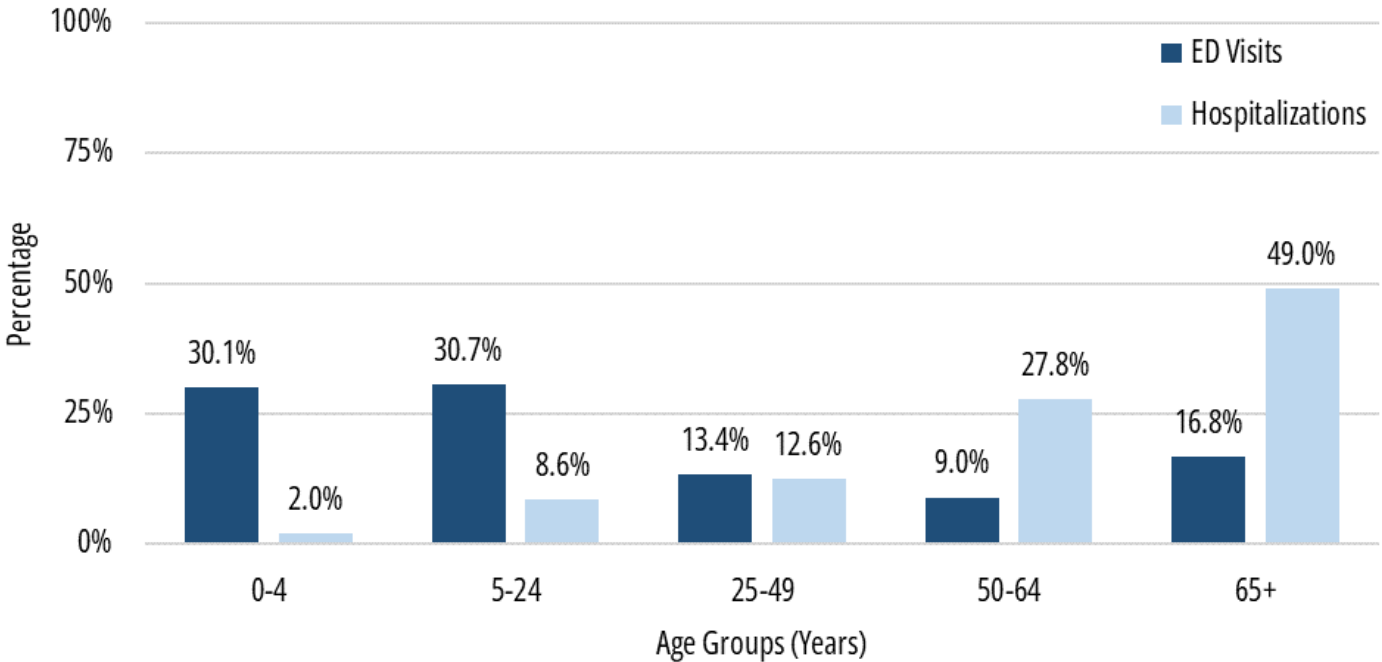
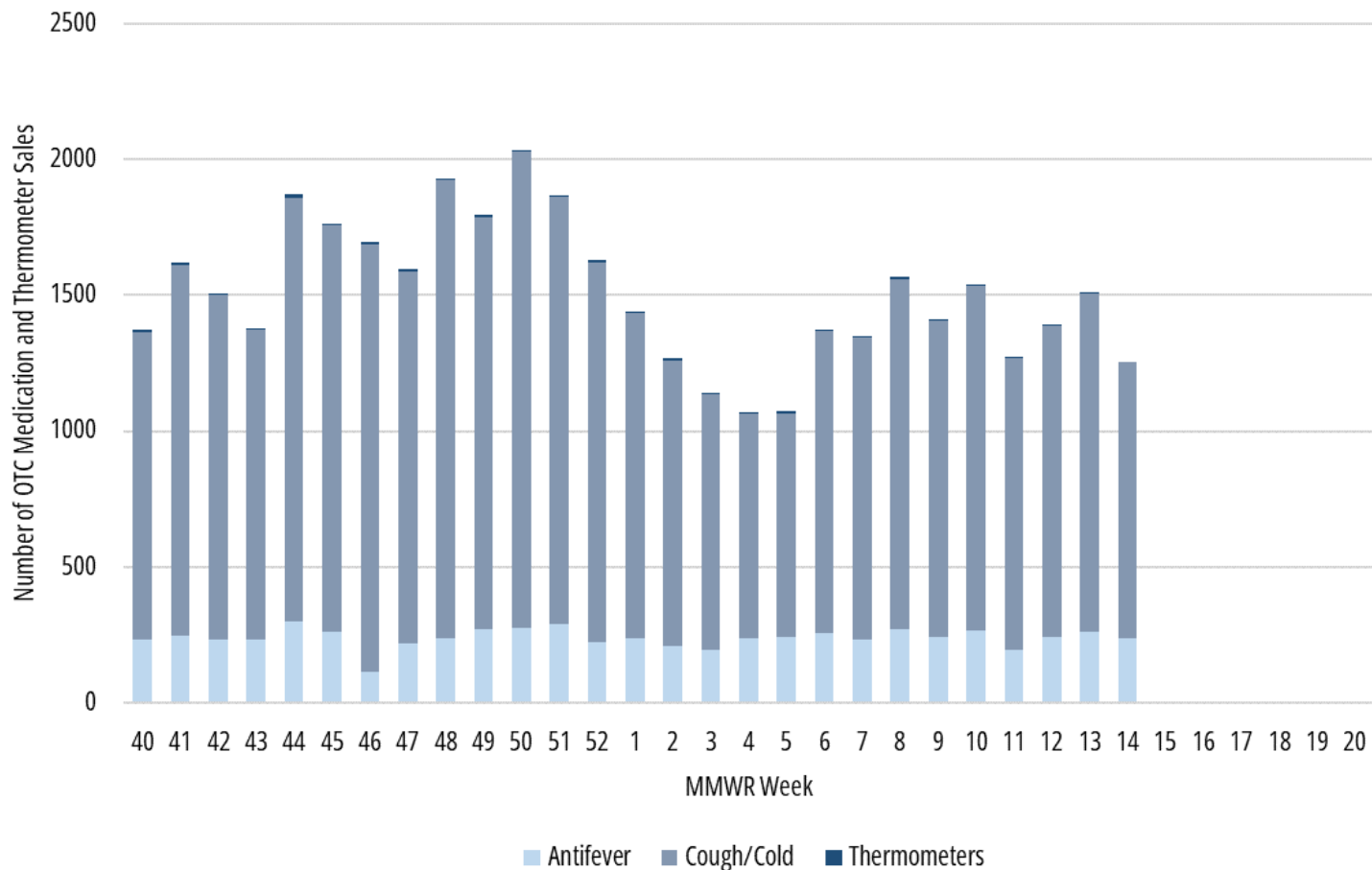


Figure 4. Age Distribution of Influenza Related ED Visits and Hospitalizations among Medina County Residents, 2023-2024 Influenza Season



1 - EpiCenter. Health Monitoring.
 2 - Ohio Disease Reporting System (ODRS). Ohio Department of Health.

Figure 5. Number of Over the Counter Medication and Thermometer Sales in Medina County Drug Stores, 2023-2024 Influenza Season



Regional, State, and National Surveillance Data

East Central Ohio Regional Surveillance Data

- East Central Ohio incidence of confirmed **influenza-associated hospitalizations** for MMWR Week 14 in 2023-2024 season = 53.
 - *East Central Ohio region includes Ashland, Carroll, Columbiana, Holmes, Mahoning, Medina, Portage, Richland, Stark, Summit, Trumbull, Tuscarawas, and Wayne counties.*

Ohio Surveillance Data

- Ohio incidence of confirmed **influenza-associated hospitalizations** for MMWR Week 14 in the 2023-2024 season = 329.
- **4 influenza-associated pediatric mortalities** have been reported in Ohio so far during the 2023-2024 influenza season (through 4/6/2024).

3 - National Retail Data Monitor. RODS Laboratory at the University of Pittsburgh.

6 - Ohio Department of Health. Ohio Seasonal Influenza Activity Report.

Data Sources

1 - EpiCenter. EpiCenter collects, stores, and analyzes de-identified registration data from hospitals and other healthcare facilities in near-real time. EpiCenter is operated by Health Monitoring.

2 - Ohio Disease Reporting System (ODRS). These data were provided by the Ohio Department of Health. The Department specifically disclaims responsibility for any analyses, interpretations or conclusions. Reported influenza-associated hospitalizations totaled by date reported to local health department.

3 - National Retail Data Monitor (NRDM). NRDM collects over-the-counter medication sales data. Medication sales in this report are from Medina County. NRDM is operated by the RODS Laboratory at the University of Pittsburgh. <https://www.rods.pitt.edu/rods/>.

4 - Ohio Department of Health Bureau of Vital Statistics. Mortality File. Data from 2023 is considered preliminary and subject to change as more information is added. These data were provided by the Ohio Department of Health. The Department specifically disclaims responsibility for any analyses, interpretations or conclusions.

5 - FluView Interactive. FluView Interactive combines data from two of the Centers for Disease Control and Infection's influenza surveillance systems, the WHO/NREVSS Collaborating Labs and the US Outpatient Influenza-like Illness Surveillance Network. <https://www.cdc.gov/flu/weekly/fluviewinteractive.htm>

6 - Ohio Department of Health. Ohio Seasonal Influenza Activity Report. <https://odh.ohio.gov/know-our-programs/seasonal-influenza/ohio-flu-activity>

Questions about this report can be directed to the Medina County Health Department Epidemiologist, by calling 330-723-9688 option 2, or via email at tplackowski@medinahealth.org.

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