Summary:

Public health surveillance data indicates levels of influenza like illness (ILI) are trending above the historical 5 year average for Medina County for ILI emergency department (ED) visits and trending the same as the historical 5 year average for Influenza hospitalizations. The percentage of ILI emergency department (ED) visits among Medina County residents are above the statewide levels (Figure 1). The geographic distribution of ILI ED visits has increased with influenza activity found in over half of the county’s zip codes (Figure 2). There were 0 influenza-associated hospitalizations and 0 novel influenza infections reported to the Medina County Health Department during week 41. The incidence of influenza associated hospitalizations is the same as the 5 year 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 and over-the-counter medication sales for children are trending the same as last week.

Dashboard:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Current Week</th>
<th>Previous Week</th>
<th>Trend (# of weeks)</th>
<th>Season to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ILI ED visits¹</td>
<td>33</td>
<td>17</td>
<td>↑1</td>
<td>50</td>
</tr>
<tr>
<td>Percentage of ILI ED visits¹</td>
<td>2.6%</td>
<td>1.4%</td>
<td>↑1</td>
<td>-</td>
</tr>
<tr>
<td>Number of Influenza Hospitalizations²</td>
<td>0</td>
<td>0</td>
<td>⇔2</td>
<td>0</td>
</tr>
<tr>
<td>Number of Novel Influenza Infections²</td>
<td>0</td>
<td>0</td>
<td>⇔2</td>
<td>0</td>
</tr>
<tr>
<td>Number of Over-the-Counter³ Medication Sales (Adult)*</td>
<td>1344</td>
<td>1199</td>
<td>↑2</td>
<td>2543</td>
</tr>
<tr>
<td>Number of Over-the-Counter³ Medication Sales (Children)*</td>
<td>100</td>
<td>101</td>
<td>⇔1</td>
<td>201</td>
</tr>
<tr>
<td>Number of Influenza Deaths</td>
<td>0</td>
<td>0</td>
<td>⇔2</td>
<td>0</td>
</tr>
<tr>
<td>Number of Pneumonia Deaths</td>
<td>0</td>
<td>0</td>
<td>⇔2</td>
<td>0</td>
</tr>
</tbody>
</table>

*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:

![Graph showing percentage of ILI ED visits by week](image)

Geographic Distribution of Medina County ILI ED Visits:

![Graph showing geographic distribution of ILI ED visits by zip code](image)
Incidence of Influenza-Associated Hospitalizations among Medina County Residents:

Figure 3: Number of Influenza-Associated Hospitalizations among Medina County residents by week, 2020-21 Flu Season

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

Figure 4. Age Distribution of Influenza Related ED Visits and Influenza Associated Hospitalizations among Medina County Residents, 2020-2021 Flu Season
Number of OTC Medication Sales for Adults Sold in Medina County Drug Stores:

![Comparison of Weekly OTC Medication Sales for Adults Sold in Medina County Drug Stores MMWR Weeks 30-41, 2020-2021](image)

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

![Comparison of Weekly OTC Medication Sales for Children Sold in Medina County Drug Stores MMWR Weeks 30-41, 2020-2021](image)
State, Regional, and National Data:

Ohio Surveillance Data:
ODH lab has reported 1 influenza test from specimens sent from various submitters. 2020-2021 influenza season results: (0) A/pdmH1N1; (0) A/H3N2; (1) Influenza B; (0) Negative (through 10/10/2020).

The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 996 influenza tests performed at participating facilities. 2020-2021 influenza season positive results: (0) A/pdmH1N1, (0) A/H3N2, (3) Flu A Not Subtyped, and (2) Flu B (through 10/10/2020).

No pediatric influenza-associated mortalities have been reported during the 2020-2021 season (through 10/10/2020).

No novel influenza A virus infections have been reported during the 2020-2021 season (through 10/10/2020).

Incidence of confirmed influenza-associated hospitalizations in 2020-2021 season = 3 (through 10/10/2020).

HHS Regional Surveillance Data*: During week 40 (September 27th – October 3rd, 2020), the percentage of outpatient visits for influenza-like illness (ILI) in Region 5 (Ohio is in Region 5) was 0.6%, which is below the regional baseline of 1.9%.

National Surveillance Data*: During week 40 (September 27th – October 3rd, 2020), all U.S. states reported Minimal or Low influenza activity reported by sentinel ILINet providers. The percentage of outpatient visits for ILI was 1.1%, 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.
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.