







### Summary:

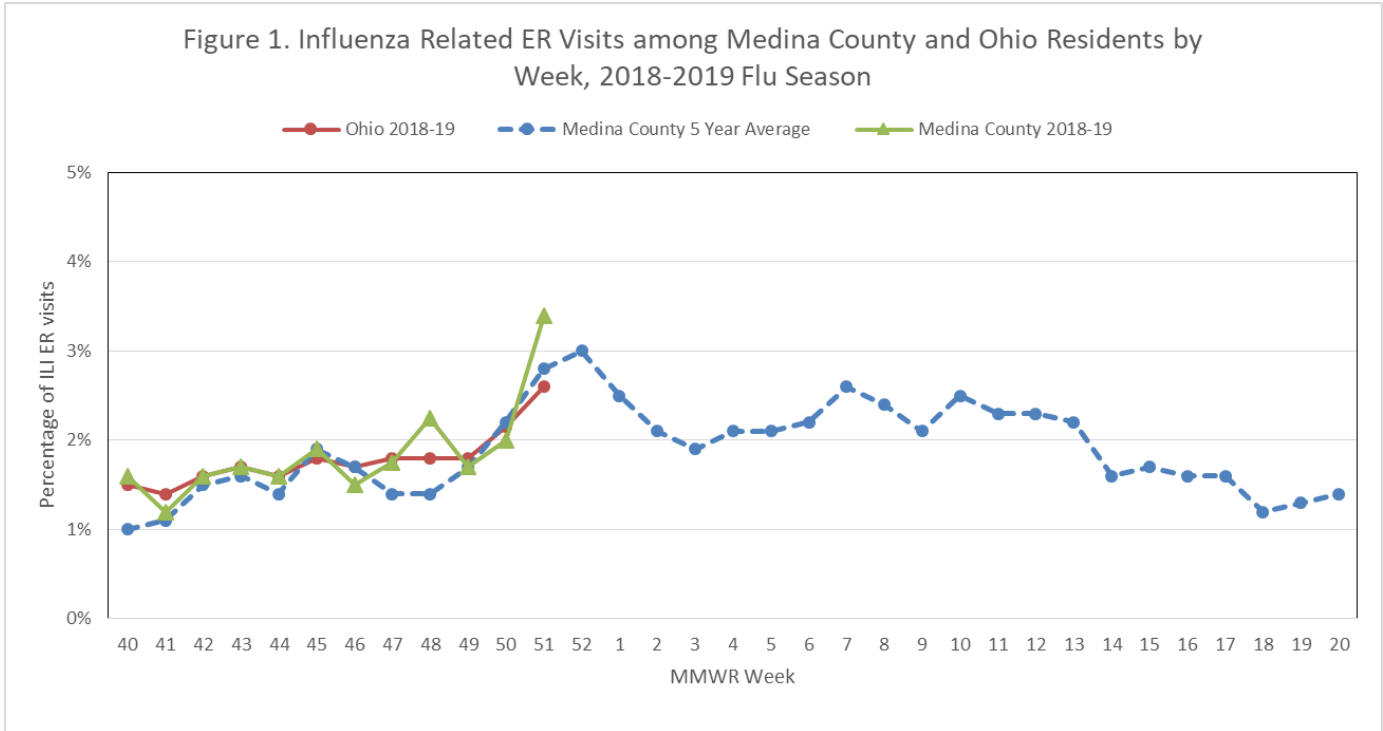
Public health surveillance data indicates levels of influenza like illness (ILI) are trending similar to the historical 5 year average for Medina County. The percentage of ILI emergency department (ED) visits among Medina County residents are above the statewide levels (Figure 1). The geographic distribution of ILI ED visits has increased with influenza activity found in more than half of the county's zip codes (Figure 2). There were 3 influenza-associated hospitalizations and 0 novel influenza infections reported to the Medina County Health Department during week 51. The incidence of influenza associated hospitalizations is below the 5 year average (Figure 3). The highest frequency of ILI associated hospitalizations is among adults 45 years and older while the highest frequency of ILI ED visits is among children less than 18 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 upward. Four deaths associated with influenza or pneumonia has occurred since the beginning of the influenza season.

### Dashboard:

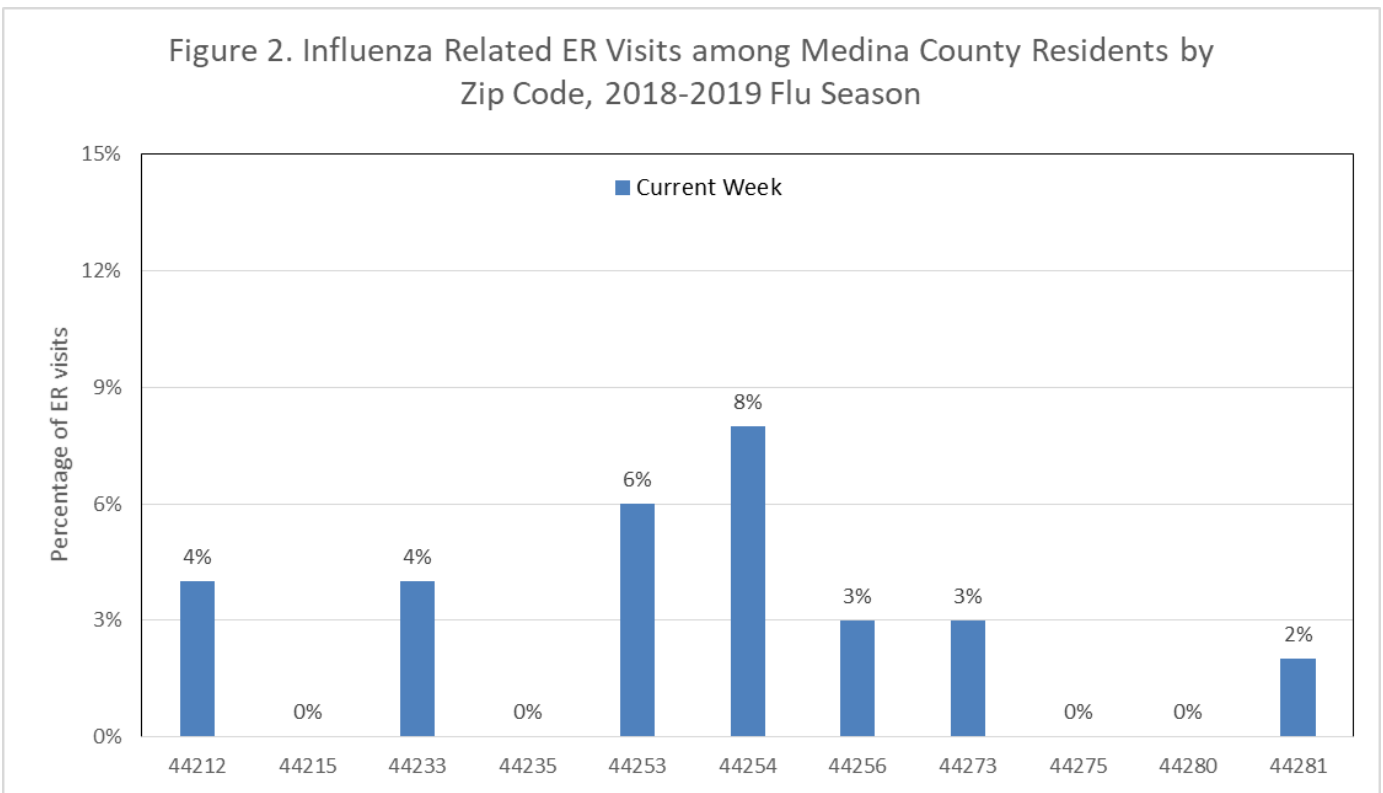
Indicator	Current Week	Previous Week	Trend (# of weeks)	Season to Date
Number of ILI ED visits <sup>1</sup>	50	29	 2	315
Percentage of ILI ED visits <sup>1</sup>	3.4%	2.0%	 2	-
Number of Influenza Hospitalizations <sup>2</sup>	3	2	 2	9
Number of Novel Influenza Infections <sup>2</sup>	0	0	 12	0
Number of Over-the-Counter <sup>4</sup> Medication Sales (Adult)*	2001	1956	 2	21425
Number of Over-the-Counter <sup>4</sup> Medication Sales (Children)*	178	119	 2	1446
Number of Deaths Associated with Influenza or Pneumonia <sup>3</sup>				4

\*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.\*

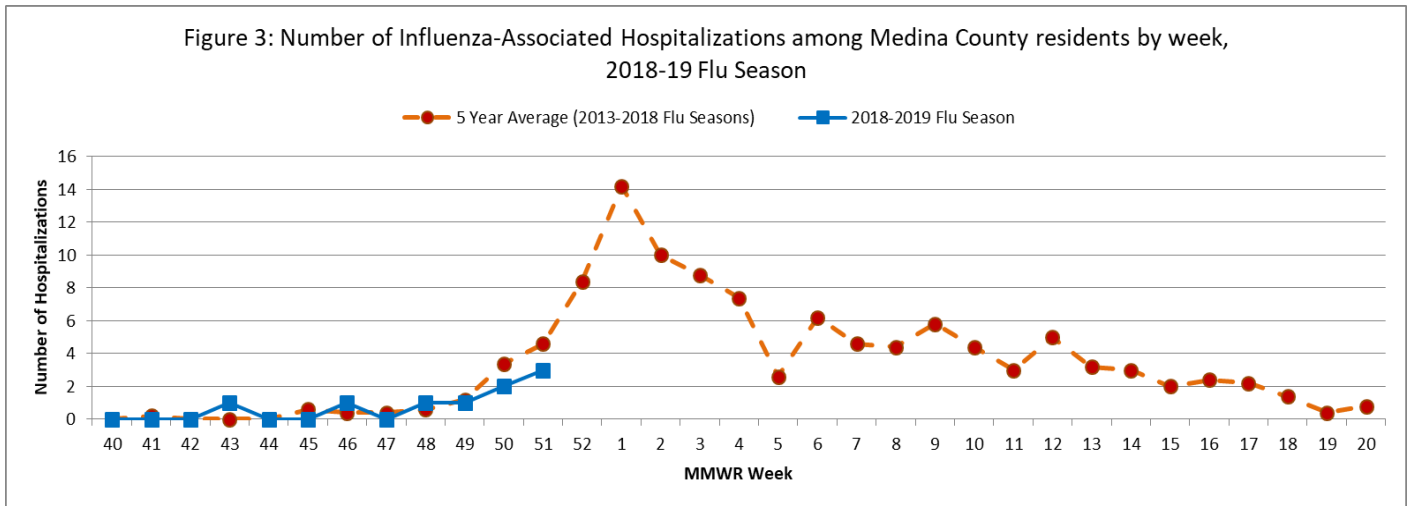
**Percentage of ILI ED Visits by Week:**



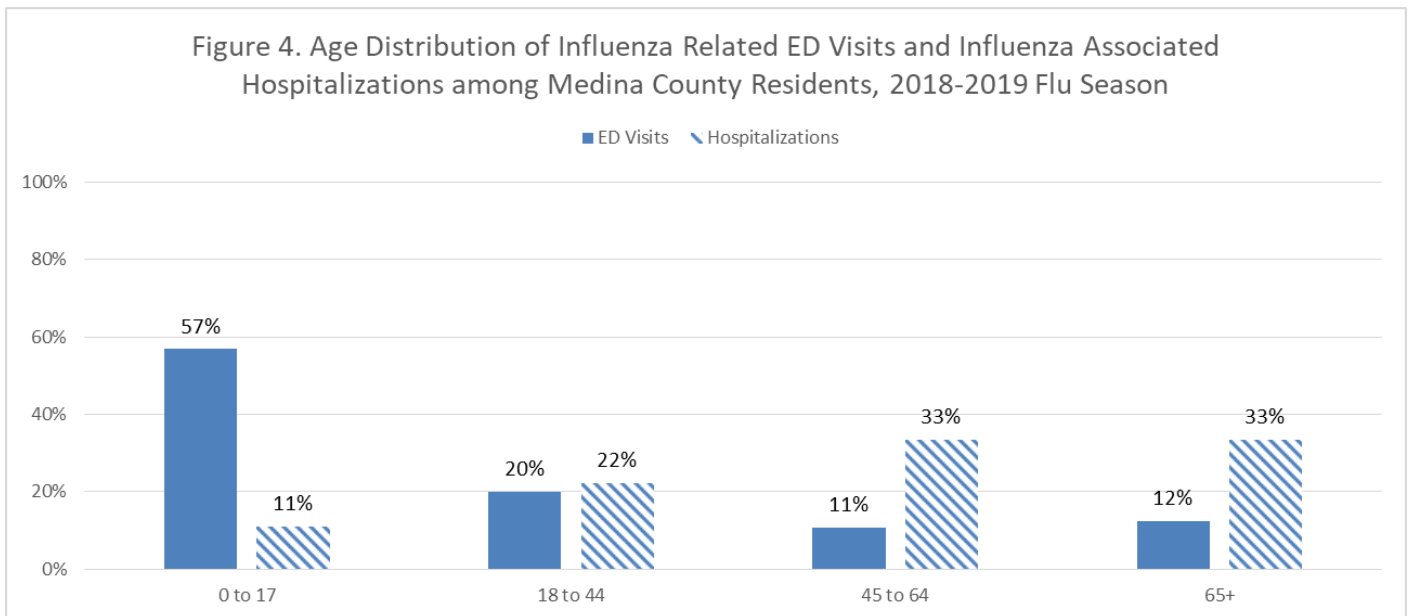
**Geographic Distribution of Medina County ILI ED Visits:**



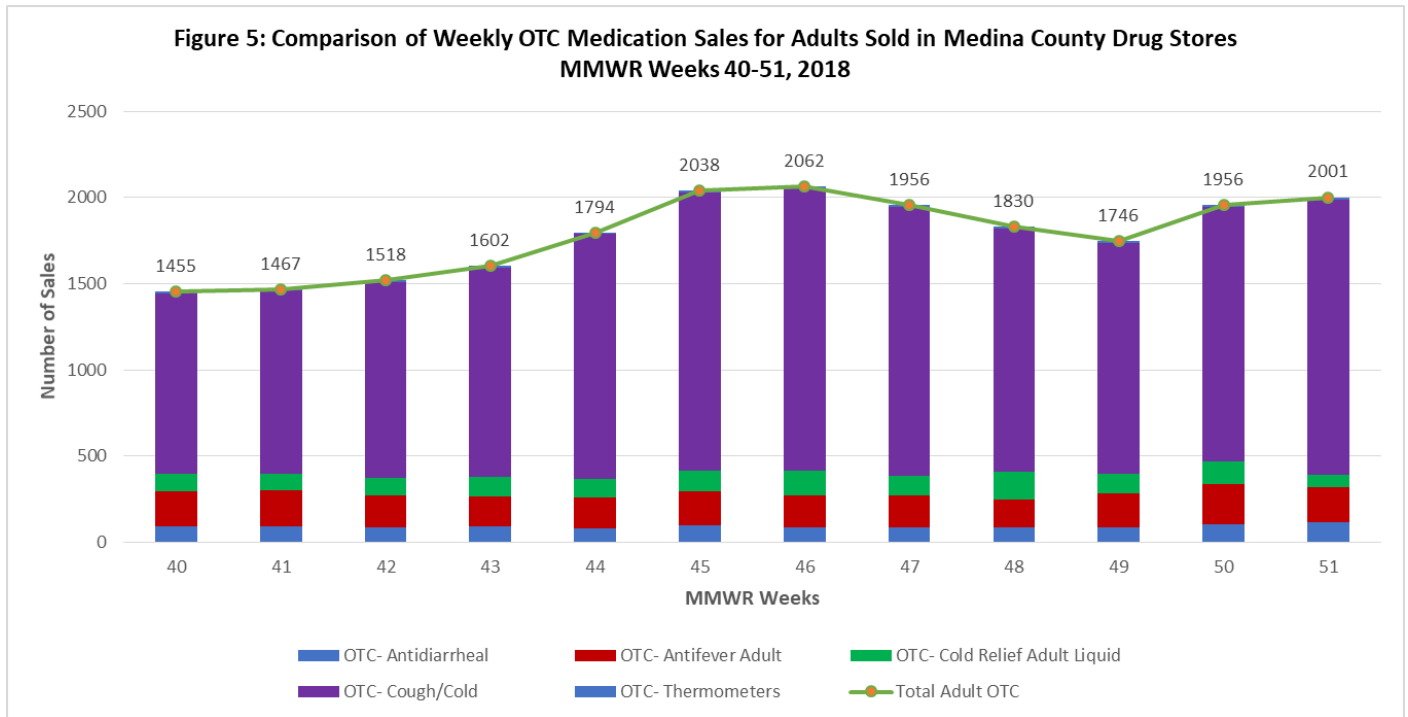
## Incidence of Influenza-Associated Hospitalizations among Medina County Residents:



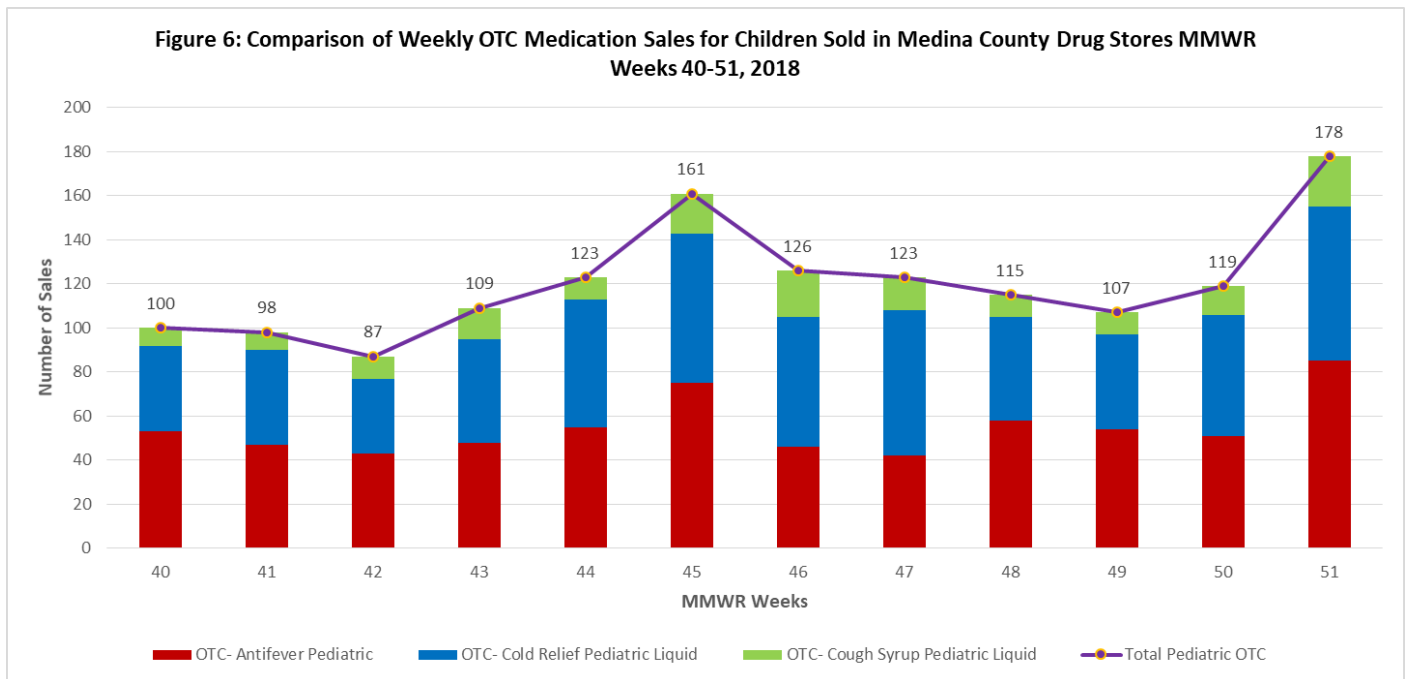
## Age Distribution of Influenza ER Visits and Hospitalizations among Medina County Residents:



## 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:

ODH lab has reported **58 positive** influenza test from specimens sent from various submitters. 2018-2019 influenza season results: **(50) A/pdmH1N1; (7) A/H3N2; (1) Influenza B;** (through 12/22/2018).

The **National Respiratory and Enteric Virus Surveillance System (NREVSS)** has reported **21,042** influenza tests performed at participating facilities. 2018-2019 influenza season positive results: **(25) A/pdmH1N1, (22) A/H3N2, (588) Flu A Not Subtyped, and (32) Flu B** (through 12/22/2018).

**0 pediatric influenza-associated mortalities** have been reported during the 2018-2019 season (through 12/22/2018).

No **novel influenza A virus infections** have been reported during the 2018-2019 season (through 12/22/2018).

Incidence of confirmed **influenza-associated hospitalizations** in 2018-2019 season = **389** (through 12/22/2018).

**HHS Regional Surveillance Data\*:** During week 51 (**December 9th - December 15th, 2018**), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 1.7%, which is **below** the regional baseline of 1.8%. West Virginia reported Sporadic Activity; Michigan and Indiana reported Local Activity; Pennsylvania, Ohio, and Kentucky reported Regional Activity.

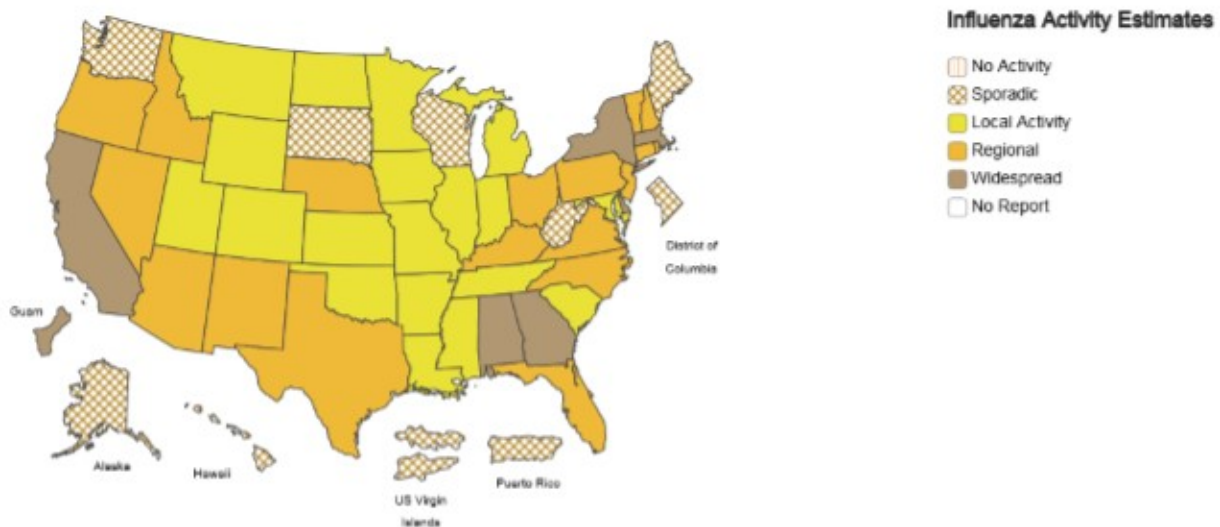
**National Surveillance Data\*:** During week 51 (**December 9th - December 15th, 2018**), the majority of U.S. states reported Minimal influenza activity; a few states are reporting Low, Moderate, or High activity. The proportion of outpatient visits for ILI was 2.7%, which is **above** the national baseline of 2.2%. Eight of 10 regions reported ILI at or above their region-specific baseline level. The most frequently identified influenza virus type reported by public health laboratories was **influenza A (H1N1)**.

\*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

Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\*

Week Ending Dec 15, 2018 - Week 50



\*This map indicates geographic spread and does not measure the severity of influenza activity.

**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. Office of Vital Statistics:** The Medina County Health Department Office of Vital Statistics receives reports on the causes of death that occur within the county. Deaths are counted as influenza or pneumonia deaths if they are listed as the immediate or underlying cause on the death certificate.
- 4. 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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