





# Influenza Activity Report

## Influenza Activity in Medina County: December 31, 2017 – January 6, 2018

### Summary:

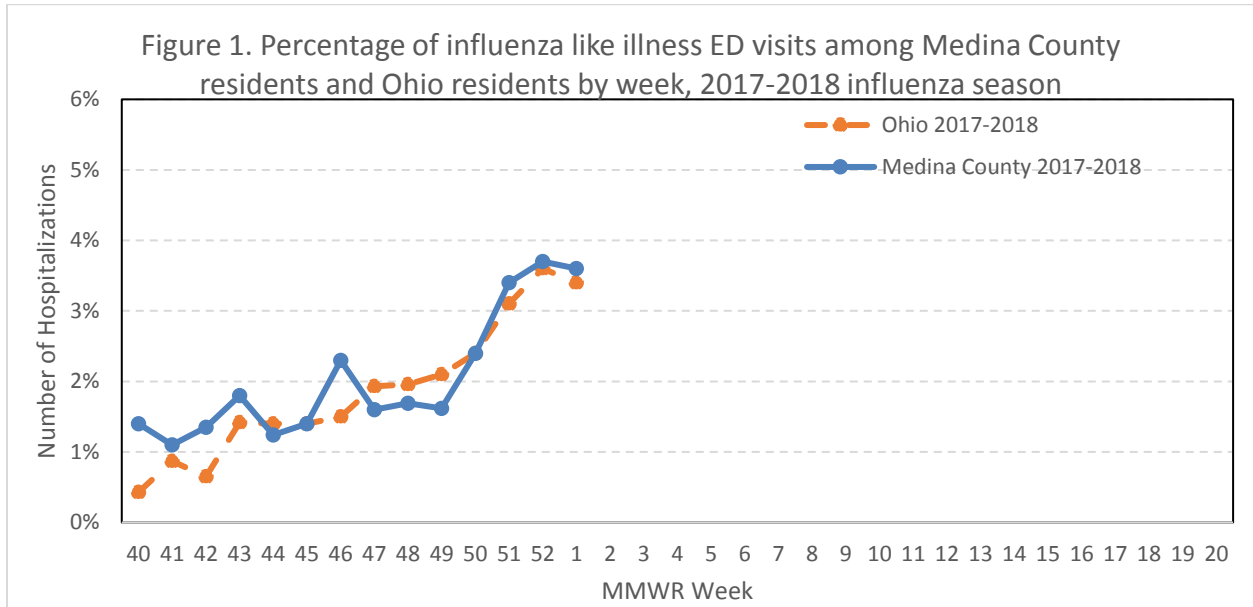
Public health surveillance data indicates significant influenza like illness (ILI) in Medina County. The percentage of emergency department (ED) visits with patients exhibiting fever and ILI specified ED visits are similar to statewide levels (Figure 1). The frequency of ILI ED visits is similar among males and females. The highest frequency of ILI ED visits is found among children less than 18 years of age (56%). The geographic distribution of ILI ED visits is widespread with influenza activity found in all but three zip codes (Figure 2). There were 40 influenza-associated hospitalizations and 0 novel influenza infections reported to the Medina County Health Department during the week. The incidence of influenza associated hospitalizations is higher than the historical average (Figure 3). Ten deaths associated with influenza or pneumonia have 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>	57	62	 1	430
Percentage of ILI ED visits <sup>1</sup>	3.6%	3.7%	 1	-
Number of Influenza Hospitalizations <sup>2</sup>	40	20	 2	81
Number of Novel Influenza Infections <sup>2</sup>	0	0	 13	0
Number of Deaths Associated with Influenza or Pneumonia <sup>3</sup>				10

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## Percentage of ILI ED Visits by Week:

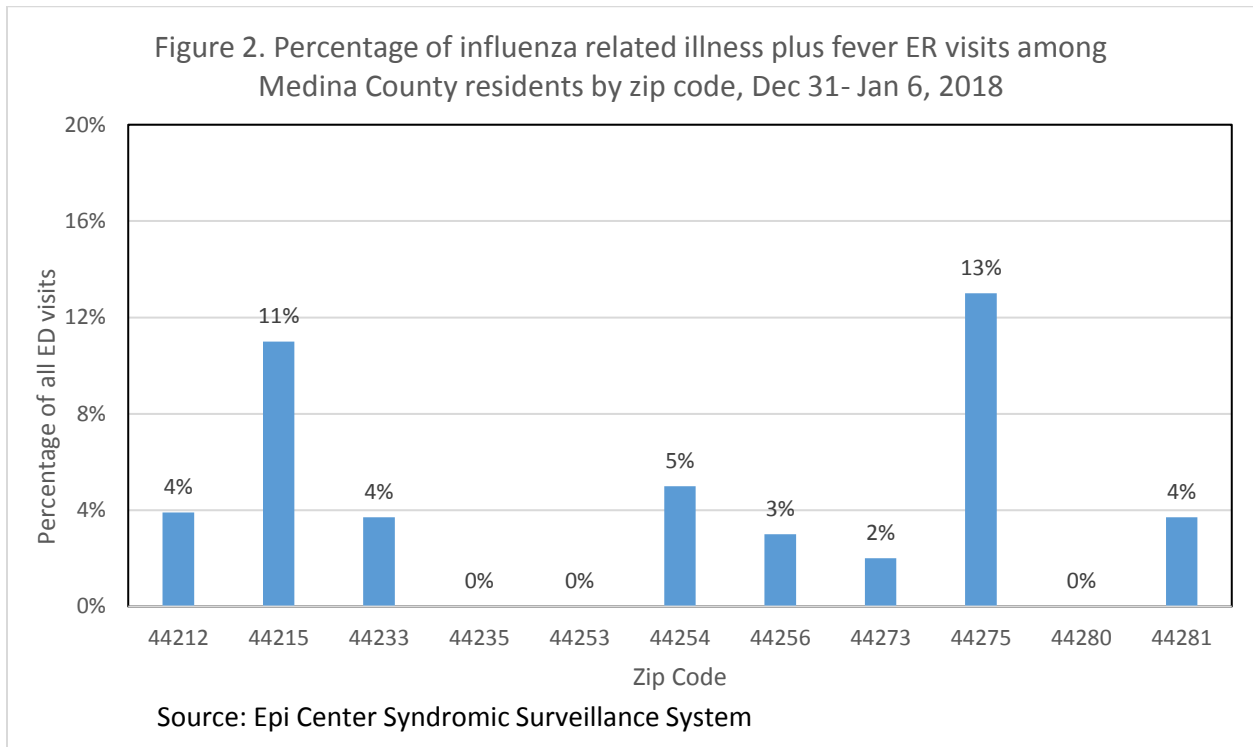


## Demographic Distribution of Medina County ILI ED Visits: Season to Date

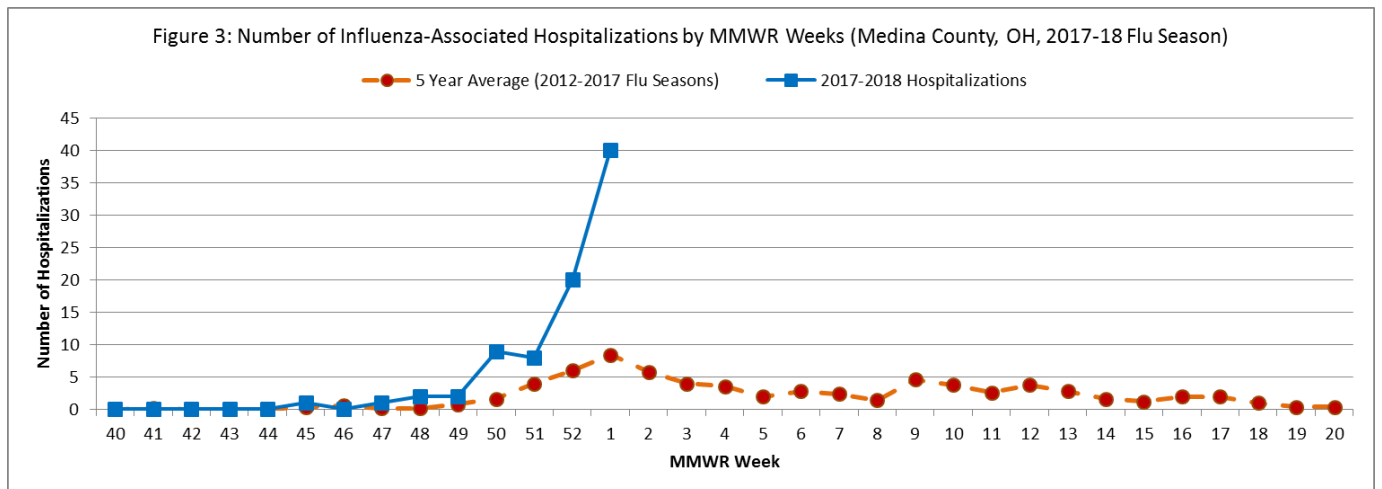
Sex	Number	Percent
Males	213	50%
Females	217	50%
<b>Total</b>	<b>430</b>	
Age	Number	Percent
0 to 17	241	56%
18 to 39	67	16%
40 to 64	60	14%
65 or older	62	14%
<b>Total</b>	<b>430</b>	

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## Geographic Distribution of Medina County ILI ED Visits:



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



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## State, Regional, and National Data:

### Ohio Surveillance Data:

- **ODH lab** has reported **274** influenza tests from specimens sent from various submitters. 2017-2018 influenza season results: **(213) A/H3N2; (19) A/pdmH1N1; (9) Influenza B;** (through 12/30/2017).
- The **National Respiratory and Enteric Virus Surveillance System (NREVSS)** has reported **22,253** influenza tests performed at participating facilities. 2017-2018 influenza season positive results: **(10) H1N1, (101) A/H3N2, (1893) Flu A Not Subtyped, and (191) Flu B** (through 12/30/2017).
- **0 pediatric influenza-associated mortalities** have been reported during the 2017-2018 season (through 12/30/2017).
- No **novel influenza A virus infections** have been reported during the 2017-2018 season (through 12/30/2017).
- Incidence of confirmed **influenza-associated hospitalizations** in 2017-2018 season = **2104** (through 12/30/2017).

**HHS Regional Surveillance Data\*:** During week 51 (December 17 – December 23, 2017), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 3.2%, which is above the regional baseline of 1.8%. Michigan reported Regional Activity; West Virginia, Pennsylvania, Ohio, Indiana, and Kentucky reported Widespread Activity.

**National Surveillance Data\*:** During week 51 (December 17 – December 23, 2017), Most U.S. states reported Moderate or High influenza activity, though several are still reporting Low or Minimal activity. The proportion of outpatient visits for ILI was 5.0%, which is **above** the national baseline of 2.2%. All 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 (H3N2)**.

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

