

Influenza Activity in Wayne County: March 8-14, 2020

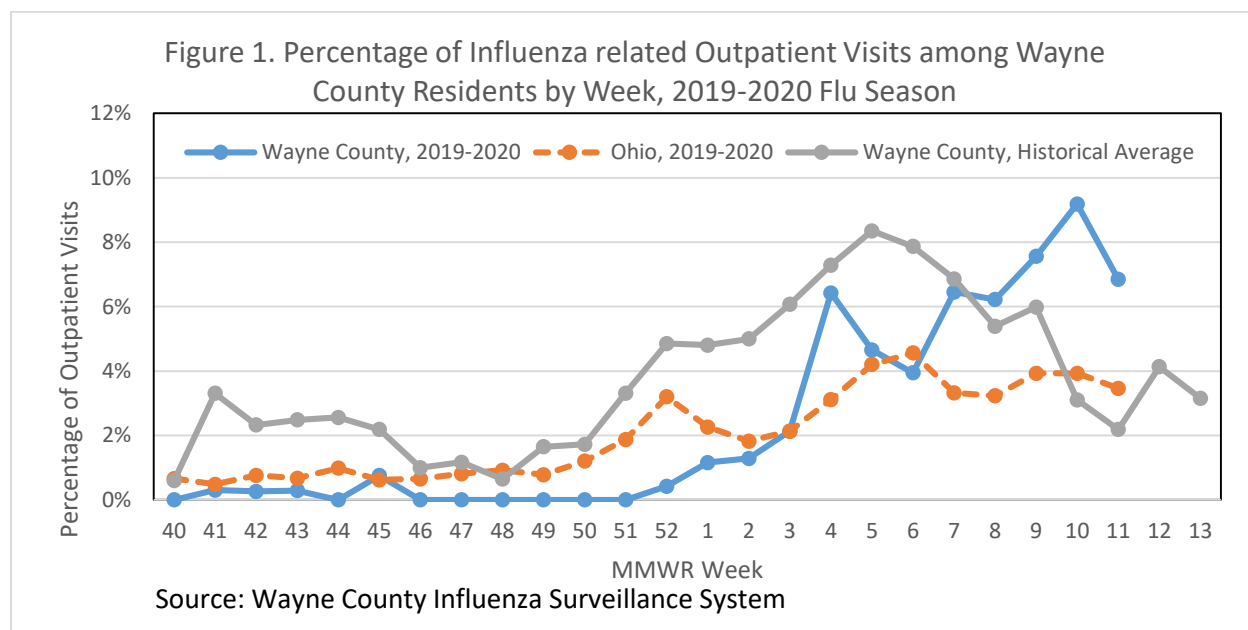
Summary:

Public health surveillance data indicate elevated levels of influenza like illness (ILI) in Wayne County. ILI outpatient visits and emergency department (ED) visits are above the historical averages (Figures 1 and 2). ED visits remain widespread with ILI activity found in 11 zip codes (Figure 3). Influenza-associated hospitalizations dropped below the historical average (Figure 4). Most ILI outpatient and ED visits have occurred among individuals less than 25 years of age while most influenza associated hospitalizations have occurred among adults ages 50 or older (Figure 5). There were 1 influenza-associated hospitalizations, 0 novel influenza infections, and 0 influenza deaths reported to the Wayne County Health Department during the week.

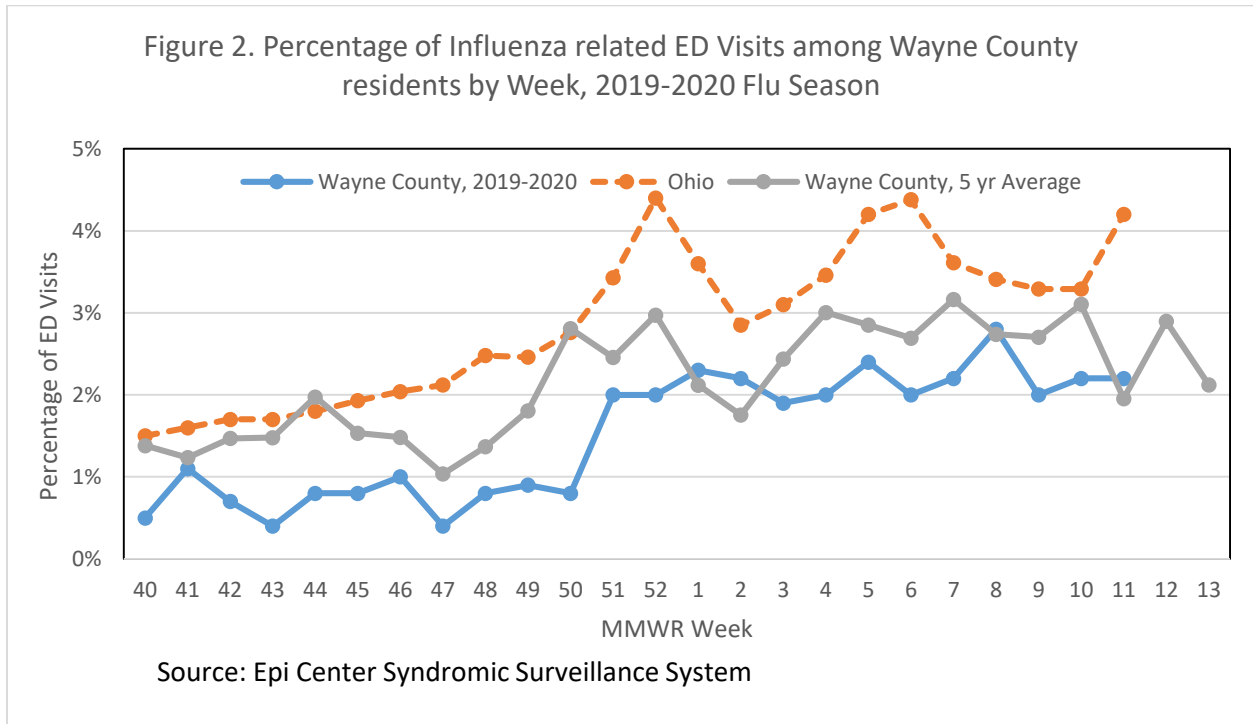
Dashboard:

Indicator	Current Week	Previous Week	Trend (# of weeks)	Season to Date
Percentage of ILI Outpatient visits ¹	7%	9%	↓ 1	
Percentage of ILI ED visits ²	2%	2%	↔ 2	384
Number of Influenza Hospitalizations ³	1	7	↓ 2	44
Number of Novel Influenza Infections ³	0	0	↔ 23	0
Number of deaths associated with: Influenza Pneumonia				0 27

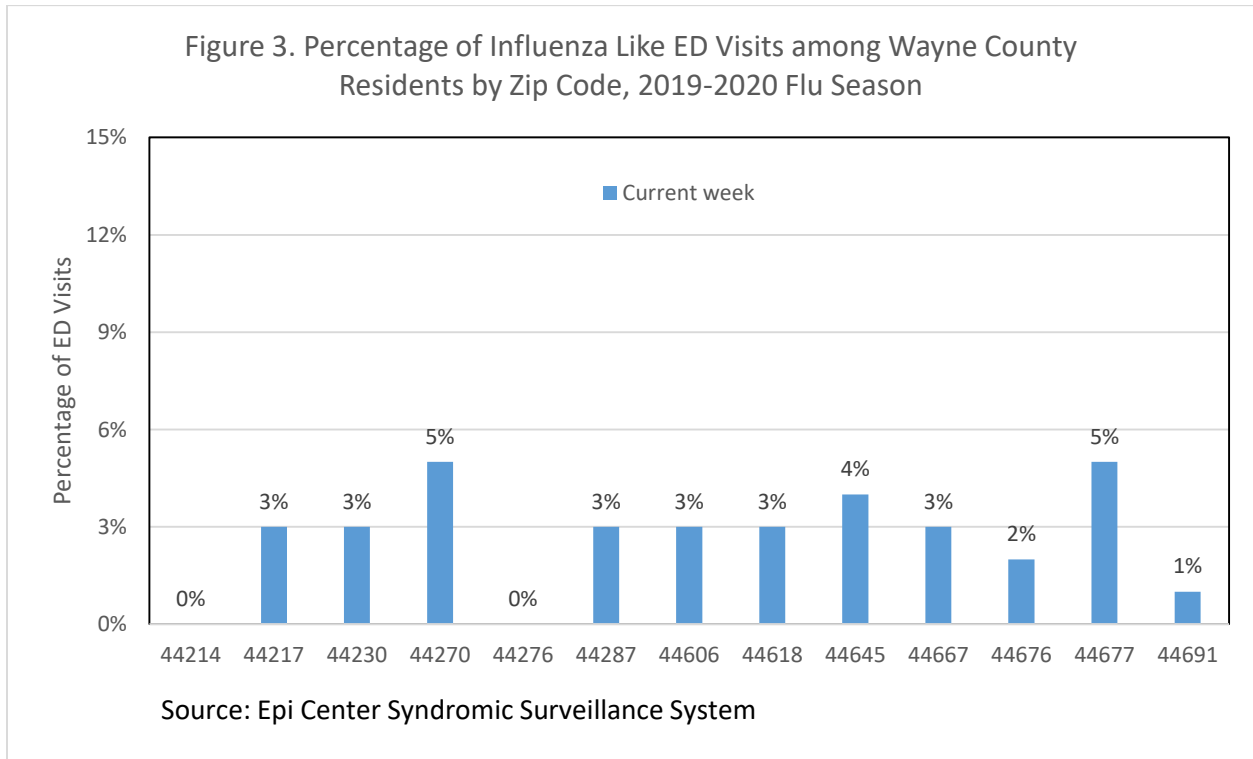
Percentage of ILI Outpatient Visits by Week:



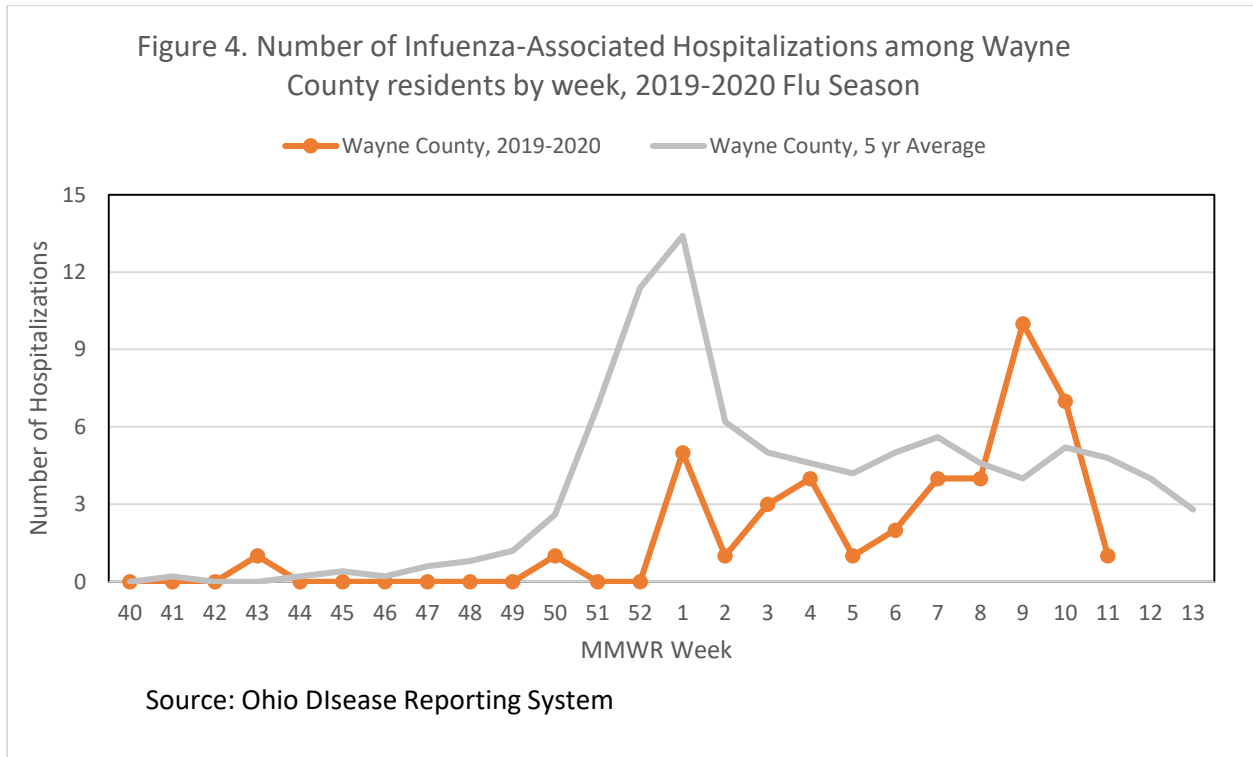
Percentage of ILI ED Visits by Week:



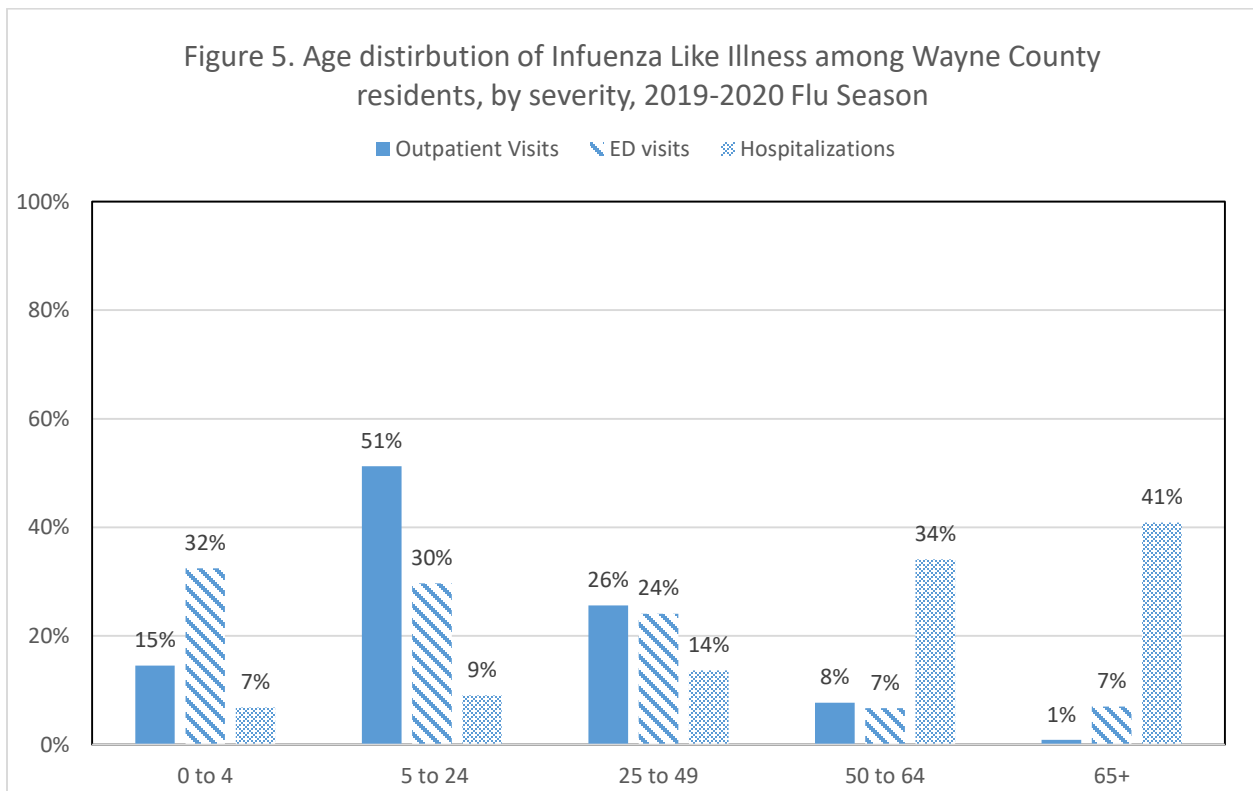
Geographic Distribution of Wayne County ILI ED Visits:



Percentage of Influenza Associated Hospitalizations by Week:



Age Distribution of ILI by Severity:



State, Regional, and National Data:

Ohio Surveillance Data:

- **ODH lab** has reported **969 positive** influenza tests from specimens sent from sentinel ILINet providers and hospital clinical labs. 2019-2020 influenza season results: **(570) A/H1N1pdm09; (17) A/H3N2; (382) Influenza B;** (through 03/14/2020).
- The **National Respiratory and Enteric Virus Surveillance System (NREVSS)** has reported **75,071** influenza specimens tested by RT-PCR at participating facilities. 2019-2020 influenza season positive results: **(553) A/pdmH1N1; (3) A/H3N2; (8,619) Flu A Not Subtyped; and (8,380) Flu B;** (through 03/14/2020)
- **4 influenza-associated pediatric mortalities** have been reported during the 2019-2020 season (through 03/14/2020).
- No **novel influenza A virus infections** have been reported during the 2019-2020 season (through 03/14/2020).
- Incidence of confirmed **influenza-associated hospitalizations** in 2019-2020 season = **10,008** (through 03/14/2020).

HHS Regional Surveillance Data*: During week 10 (**March 1st – March 7th, 2020**), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) decreased to 4.37%, which is **above** the regional baseline of 1.9%. Michigan, Ohio, West Virginia, Pennsylvania, Kentucky, and Indiana reported Widespread Activity.

National Surveillance Data*: During week 10 (**March 1st – March 7th, 2020**), the majority of the U.S. reported High influenza activity. The proportion of outpatient visits for ILI increased to 5.2%, which is **above** the national baseline of 2.4%. All 10 HHS regions reported ILI levels at or above their region-specific baseline level. While influenza B/Victoria viruses predominated earlier in the season, during recent weeks, influenza A(H1N1)pdm09 viruses have been reported more frequently than B/Victoria viruses nationally and in all surveillance regions. For the season, A(H1N1)pdm09 viruses are the predominant virus nationally.

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

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending Mar 07, 2020 - Week 10



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

Data Sources:

1. **Outpatient Influenza Like Illness Visits:** The Wayne County Health Department collects and monitors data on the percentage of outpatient visits seen for influenza like illness. The data collection is part of a national effort to track the occurrence and severity of the influenza season in the United States. Two outpatient providers in Wayne County are voluntarily participating during 2017-2018 influenza season.
2. **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.
3. **Influenza-Associated Hospitalizations (ODRS):** Influenza-associated hospitalizations and novel influenza infections are reported by the Wayne 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.
4. **Office of Vital Statistics:** The Wayne County Health Department Office of Vital Statistics receives reports on the causes of death that occur within the county. Influenza and pneumonia deaths were included in this report if they were listed as the immediate or underlying cause of death on the death certificate.