

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 46 November 10-16, 2019

Local Surveillance:

Current Influenza Activity Levels:

Lucas County had **3** confirmed Influenza-associated Hospitalizations (IAH) reported in week 46, bringing the total to **5** cases as of November 16, 2019. *67% of cases are flu type A, the majority were not subtyped.*

--There were no deaths reported

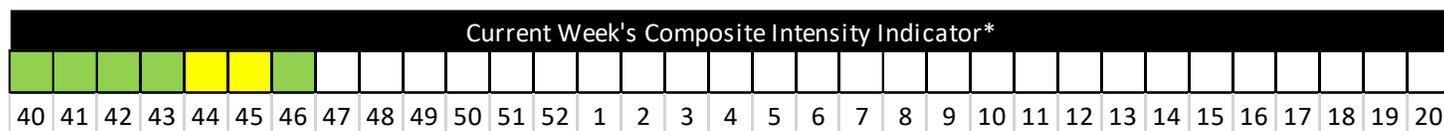
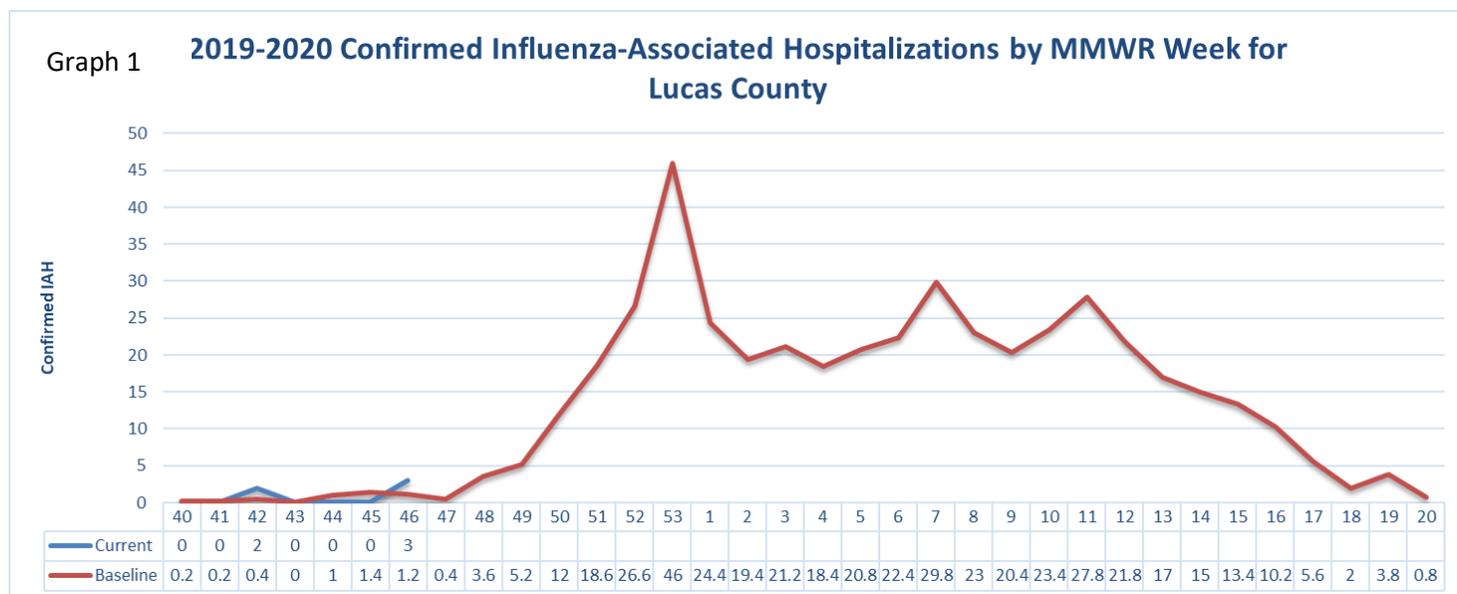
Gender Distribution of Cases: 60% female, 40% male

Lucas County accounts for 3.7% of the IAH reported in Ohio. Rate per 100,000 population^{**}: 0.91

^{*}Stating Influenza as the cause of death OR as 'a consequence of' on the certificate of death. Please note that some individuals may have underlying health conditions and influenza may not be the sole cause of their death.

^{**}Disease rates were calculated by number of cases per 100,000 residents using 2010 census data

Graph 1 illustrates the current confirmed IAH compared to baseline, which is a five year average.



High	Mod	Low	Minimal
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* Combination of ED visit data and Influenza-associated Hospitalizations.



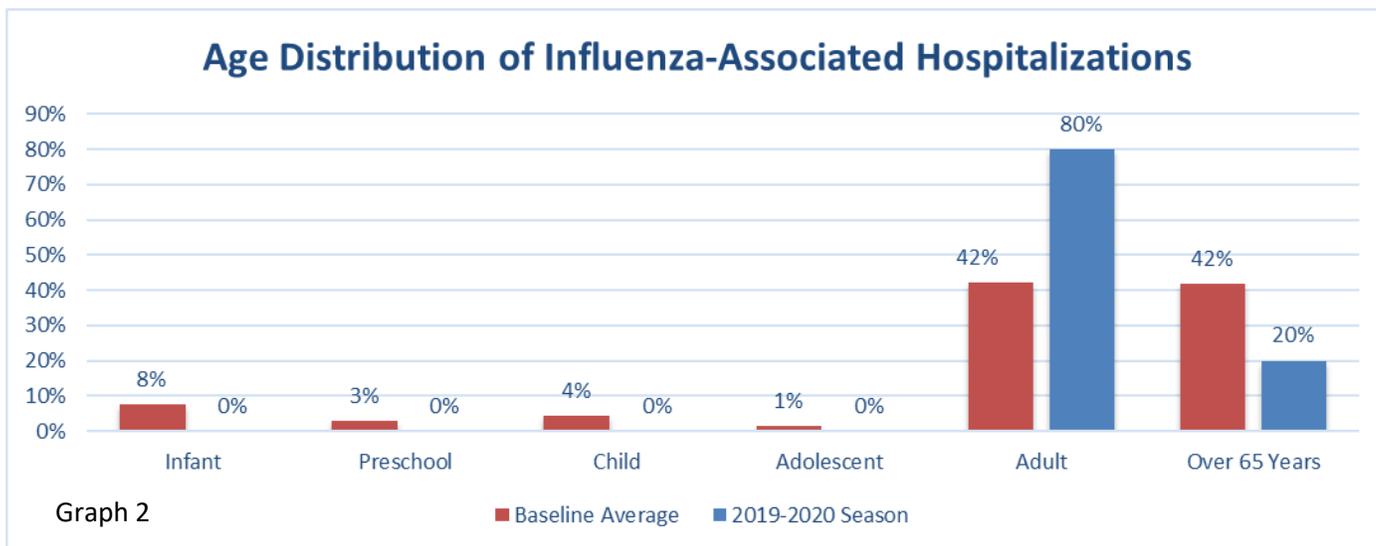
ED Visits are comprised of Influenza-like illness and respiratory syndrome as compared to the baseline average

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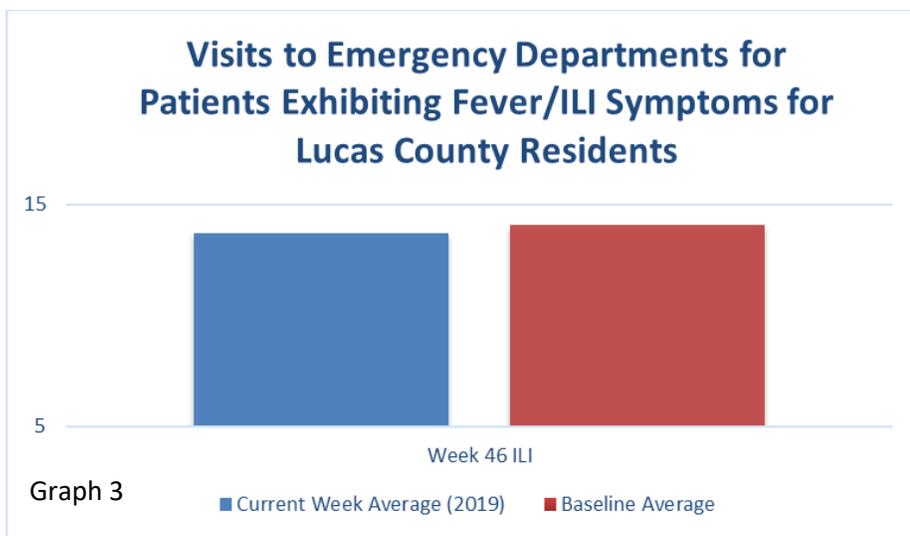
WESTERN CLINIC SITE
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The number of emergency department visits with patients exhibiting fever/ILI symptoms was right around baseline for MMWR 46. ILI (Influenza-Like Illness) is defined as a fever greater than or equal to 100 degrees F AND a cough or sore throat. (Graph 3)



Summary of State Data: Current Ohio Activity Level (Geographic Spread) – **Sporadic** Definition: Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI. During MMWR Week 46, public health surveillance data sources indicate minimal intensity for influenza-like illness (ILI) in outpatient settings reported by Ohio’s sentinel providers. The percentage of emergency department visits with patients exhibiting constitutional symptoms are above baseline levels statewide; fever and ILI specified ED visits are also

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above baseline levels. Reported cases of influenza-associated hospitalizations are at the seasonal threshold*. There were 25 influenza-associated hospitalizations reported during MMWR Week 46.

State Surveillance:

- ODH lab has reported 12 positive influenza tests from specimens sent from sentinel ILINet providers and hospital clinical labs. 2019-2020 influenza season results: (1) A/pdmH1N1; (7) A/H3N2; (4) Influenza B; (through 11/16/2019).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 9,050 influenza tests performed at participating facilities. 2019-2020 influenza season positive results: (2) A/pdmH1N1; (1) A/H3N2; (31) Flu A Not Subtyped; and (19) Flu B; (11/16/2019).
- 0 pediatric influenza-associated mortalities have been reported during the 2019-2020 season (through 11/16/2019).
- No novel influenza A virus infections have been reported during the 2019-2020 season (through 11/16/2019).
- Incidence of confirmed influenza-associated hospitalizations in 2019-2020 season = 108 (through 11/16/2019)

Regional Surveillance*: During week 45 (November 3rd – November 9th, 2019), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 1.3%, which is below the regional baseline of 1.9%. Ohio, Pennsylvania, West Virginia, and Michigan reported Sporadic Activity; Kentucky reported Local Activity; Indiana reported Regional Activity.

National Surveillance*: During week 45 (November 3rd – November 9th, 2019), the majority of U.S. states reported Minimal or Low influenza activity. The proportion of outpatient visits for ILI was 2.3%, which is below the national baseline of 2.4%. Four of 10 HHS regions reported ILI levels at or above their region-specific baseline level. Nationally influenza B/Victoria viruses have been reported more frequently than other influenza viruses this season; however, influenza A(H3N2) and A(H1N1)pdm09 viruses are also circulating widely. The predominant virus varies by region and by age group. Nationally, influenza B/Victoria viruses are the most commonly reported influenza viruses among children age 0-4 years (45% of reported viruses) and 5-24 years (53% of reported viruses), while A(H3N2) viruses are the most commonly reported influenza viruses among persons 65 years of age and older (72% of reported viruses). Among adults aged 25-64 years, approximately equal proportions of influenza A(H1N1)pdm09, A(H3N2) and B/Victoria viruses (31%, 30% and 26%, respectively) have been reported.

**Regional and National surveillance data are reported one week later than Ohio state and local data*

State, Regional and National data is provided by the Ohio Department of Health

[ODH Influenza Activity Summary MMWR 46](#)