

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 48 November 25-December 1, 2018

Local Surveillance:

Current Influenza Activity Levels:

Lucas County had **2** confirmed Influenza-associated Hospitalizations (IAH) reported in week 48, bringing the total to **8** cases as of December 1, 2018. *89% of cases are flu type A.*

--There were no deaths* reported

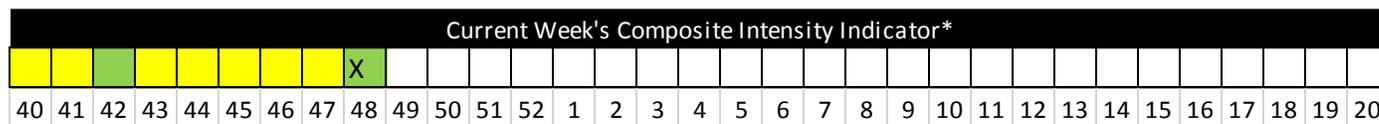
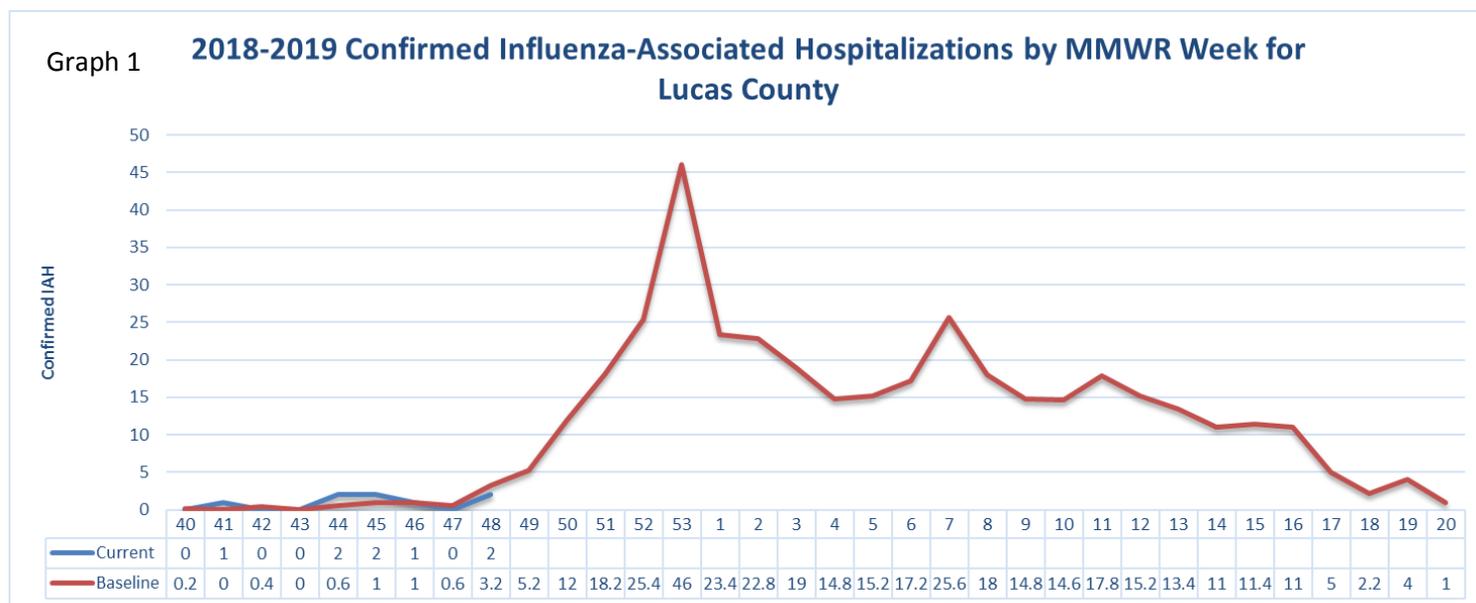
Gender Distribution of Cases: 67% female, 33% male

Lucas County accounts for 4.5% of the IAH reported in Ohio. Rate per 100,000 population**: 1.58

*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.



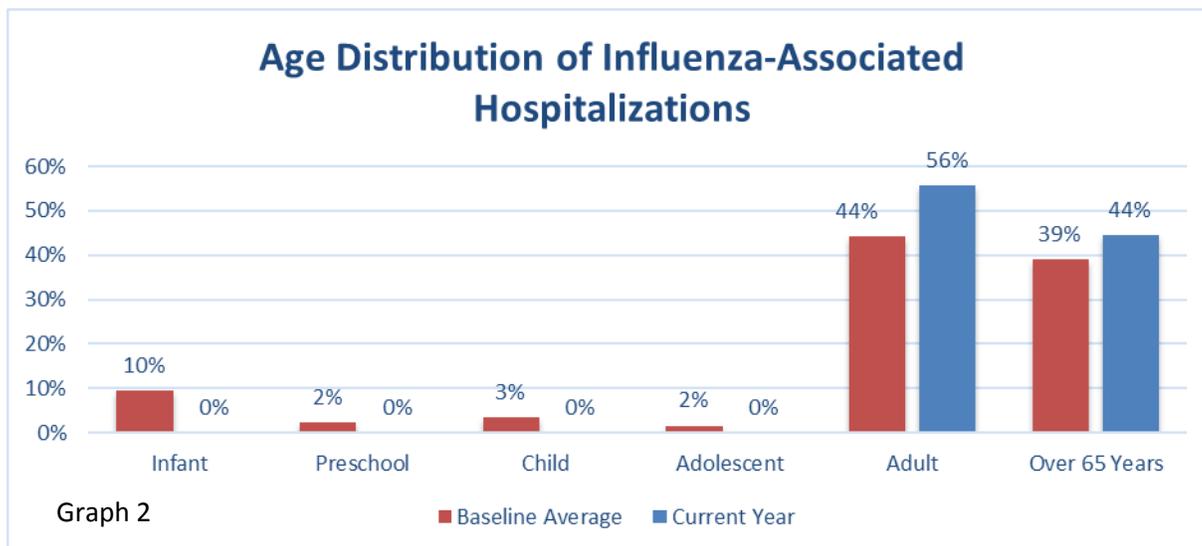
ED Visits are comprised of Influenza-like illness and respiratory syndrome as **compared to the baseline average**

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 635 North Erie Street
 Toledo, Ohio 43604
 419.213.4100

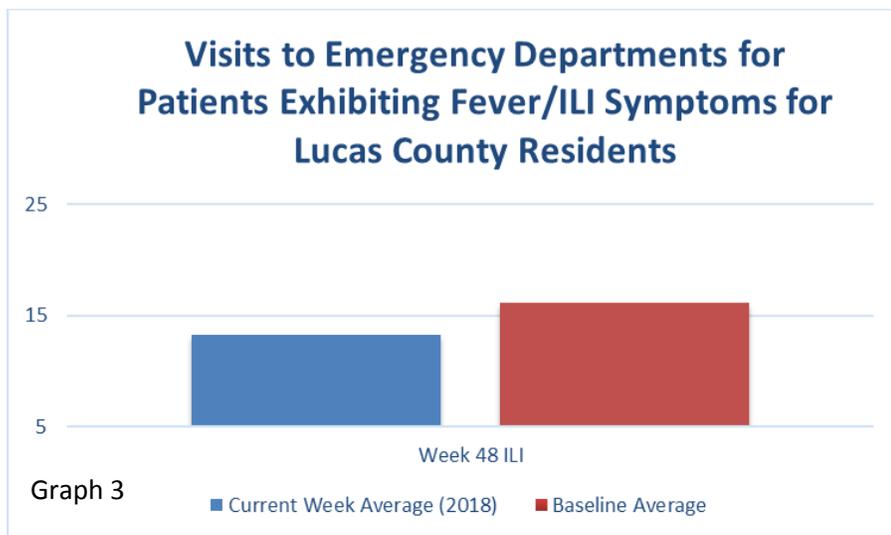
WESTERN CLINIC SITE
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 Holland, Ohio 43528
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The number of emergency department visits with patients exhibiting fever/ILI symptoms was under baseline for MMWR 48. ILI (Influenza-Like Illness) is defined 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) – Local

Definition: Increased ILI in 1 region; ILI activity in other regions is not increased AND recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI, OR 2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased AND recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions.

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During MMWR Week 48, 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 below baseline levels. Reported cases of influenza-associated hospitalizations are above the seasonal threshold*. There were 44 influenza-associated hospitalizations reported during MMWR Week 48.

State Surveillance:

- ODH lab has reported 20 positive influenza tests from specimens sent from various submitters. 2018-2019 influenza season positive results: (19) A/pdmH1N1; (0) A/H3N2; (1) Influenza B; (through 12/01/2018).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 14,000 influenza tests performed at participating facilities. 2018-2019 influenza season positive results: (9) A/pdmH1N1, (0) A/H3N2, (89) Flu A Not Subtyped, and (19) Flu B (through 12/01/2018).
- 0 pediatric influenza-associated mortalities have been reported during the 2018-2019 season (through 12/01/2018).
- No novel influenza A virus infections have been reported during the 2018-2019 season (through 12/01/2018).
- Incidence of confirmed influenza-associated hospitalizations in 2018-2019 season = 154 (through 12/01/2018).

Regional Surveillance*: During week 47 (November 18th – November 24th, 2018), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 1.6%, which is below the regional baseline of 1.8%. Indiana, West Virginia, and Michigan reported Sporadic Activity; Pennsylvania and Ohio reported Local Activity; Kentucky reported Regional Activity.

National Surveillance*: During week 47 (November 18th – November 24th, 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 2.3%, which is above the national baseline of 2.2%. Five 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).

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

Flu News: CIDRAP

[US ILI Rate Rose above national average during Thanksgiving week](#)

The percentage of outpatient visits for influenza-like illnesses (ILI) now stands at 2.3%, which is above the national baseline of 2.2%, according to the Centers for Disease Control and Prevention's (CDC) FluView report for the week ending Nov 24.

Five of the 10 US regions reported ILI at or above their baseline levels, with 2 states (Georgia and Louisiana) reporting high ILI activity; Alabama, Oklahoma, and Utah reported moderate activity; New York City, the District of Columbia, Puerto Rico and 8 states experiencing low activity; and 37 states reporting minimal activity.

The rise in ILI echoes past seasons which saw a slight uptick around Thanksgiving, the CDC said, adding that the pattern may reflect fewer clinic visits for routine health issues.

Both influenza A and B are circulating, but 2009 H1N1 remains the dominant strain, representing 83.3% of influenza A viruses subtyped. Influenza A was found in 95.5% of public health lab samples, compared to 4.5% of samples showing influenza B.

Two pediatric deaths attributed to flu were reported to CDC this week, raising the 2018-2019 season total to five.

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

[ODH Influenza Activity Summary MMWR 48](#)