

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 48 November 24-30, 2019

Local Surveillance:

Current Influenza Activity Levels:

Lucas County had 5 confirmed Influenza-associated Hospitalizations (IAH) reported in week 48, bringing the total to 11 cases as of November 30, 2019. 55% of cases are flu type B.

--There were no deaths reported

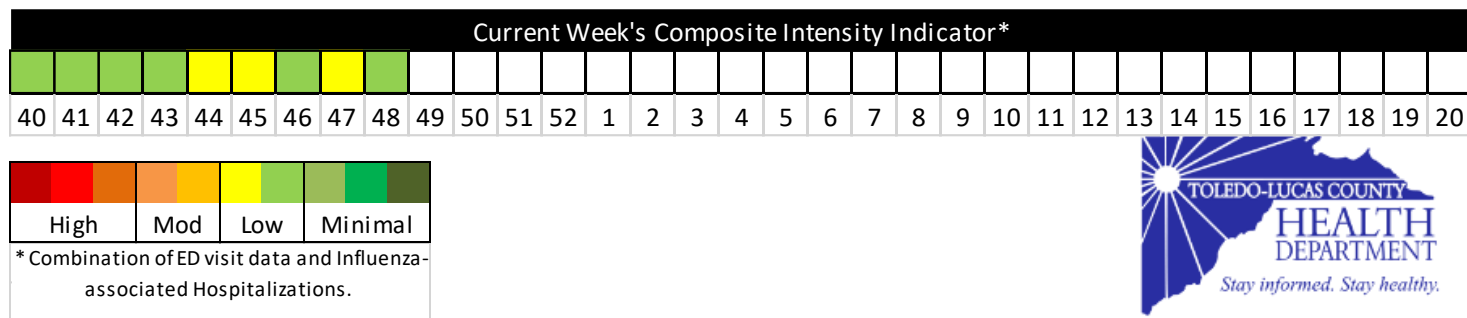
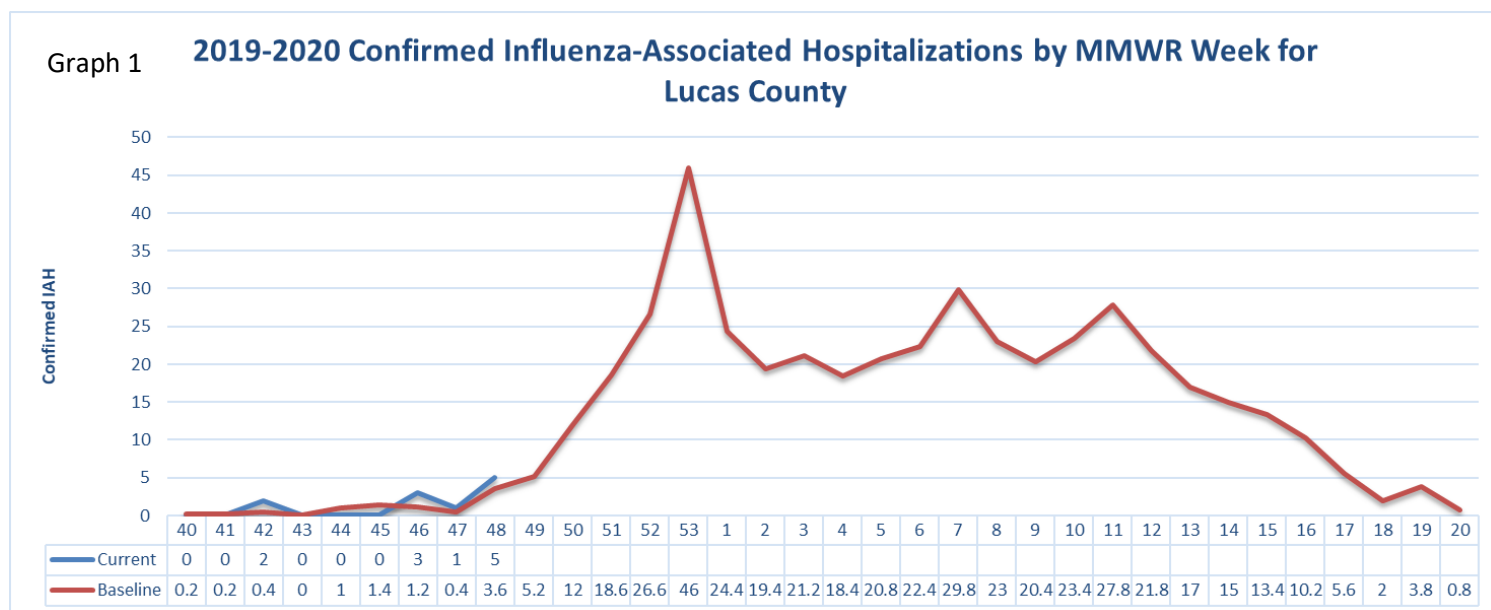
Gender Distribution of Cases: 73% female, 27% male

Lucas County accounts for 4.1% 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.



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

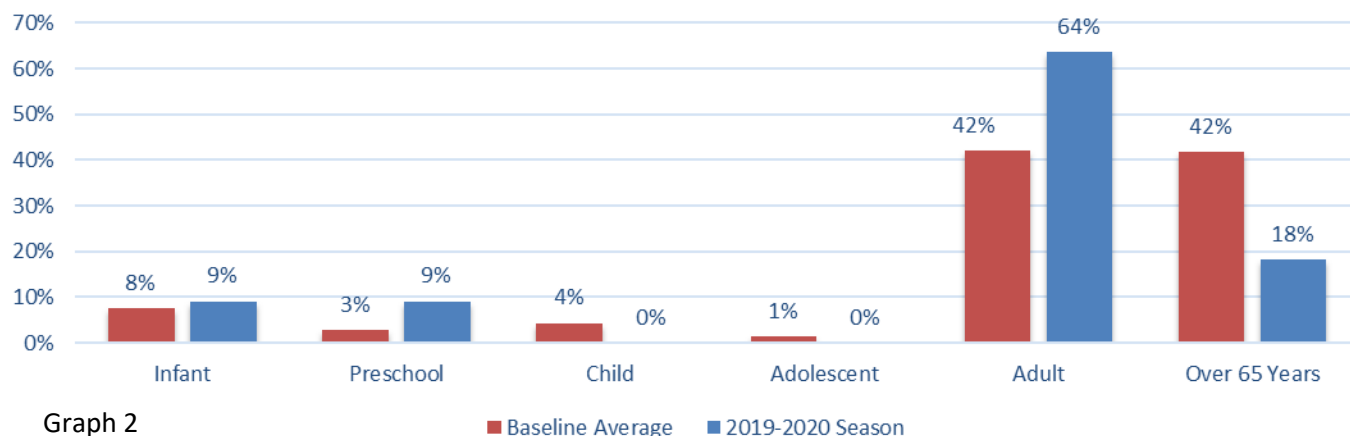
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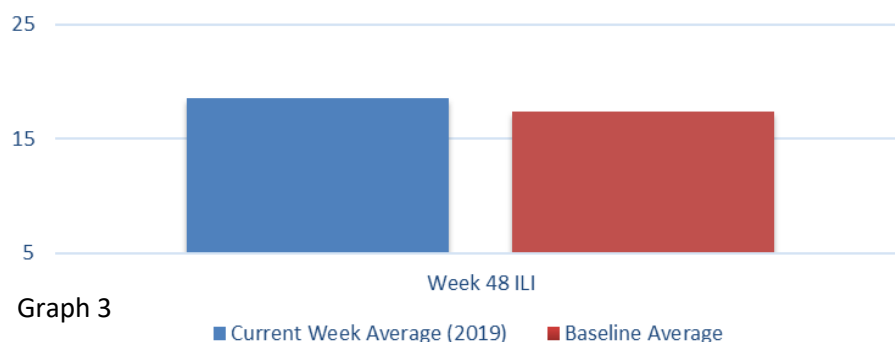
MMWR Week 47 November 24-30, 2019

Age Distribution of Influenza-Associated Hospitalizations



The number of emergency department visits with patients exhibiting fever/ILI symptoms was right around 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)

Visits to Emergency Departments for Patients Exhibiting Fever/ILI Symptoms for Lucas County Residents



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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MMWR Week 47 November 24-30, 2019

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 also above baseline levels. Reported cases of influenza-associated hospitalizations are above the seasonal threshold*. There were 33 influenza-associated hospitalizations reported during MMWR Week 48

State Surveillance:

- ODH lab has reported 19 positive influenza tests from specimens sent from sentinel ILINet providers and hospital clinical labs. 2019-2020 influenza season results: (5) A/pdmH1N1; (8) A/H3N2; (6) Influenza B; (through 11/30/2019).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has 14,014 influenza specimens tested by RTPCR at participating facilities. 2019-2020 influenza season positive results: (12) A/pdmH1N1; (2) A/H3N2; (72) Flu A Not Subtyped; and (86) Flu B; (through 11/30/2019).
- 0 pediatric influenza-associated mortalities have been reported during the 2019-2020 season (through 11/30/2019).
- No novel influenza A virus infections have been reported during the 2019-2020 season (through 11/30/2019).
- Incidence of confirmed influenza-associated hospitalizations in 2019-2020 season = 172 (through 11/30/2019).

Regional Surveillance*: During week 47 (November 17th – November 23rd, 2019), 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 1.9%. West Virginia reported Sporadic Activity; Michigan and Ohio reported Local Activity. Kentucky, Pennsylvania, and Indiana reported Regional Activity.

National Surveillance*: During week 47 (November 17th – November 23rd, 2019), the majority of U.S. states reported Minimal or Low influenza activity. The proportion of outpatient visits for ILI was 2.9%, which is above 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, followed by A(H1N1)pdm09 and A(H3N2) viruses, which are also circulating in significant numbers. The predominant virus varies by region and the proportion of influenza B/Victoria viruses is increasing in some regions. The predominant virus also varies by age group. Nationally, influenza B/Victoria viruses are the most commonly reported influenza viruses among children age 0-4 years (50% of reported viruses) and 5-24 years (59% of reported viruses), while A(H3N2) viruses are the most commonly reported influenza viruses among persons 65 years of age and older (59% of reported viruses). Among adults aged 25-64 years, approximately equal proportions of influenza A(H1N1)pdm09 and B/Victoria viruses (32% and 33%, 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 48](#)