

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 14 April 2-8 2017

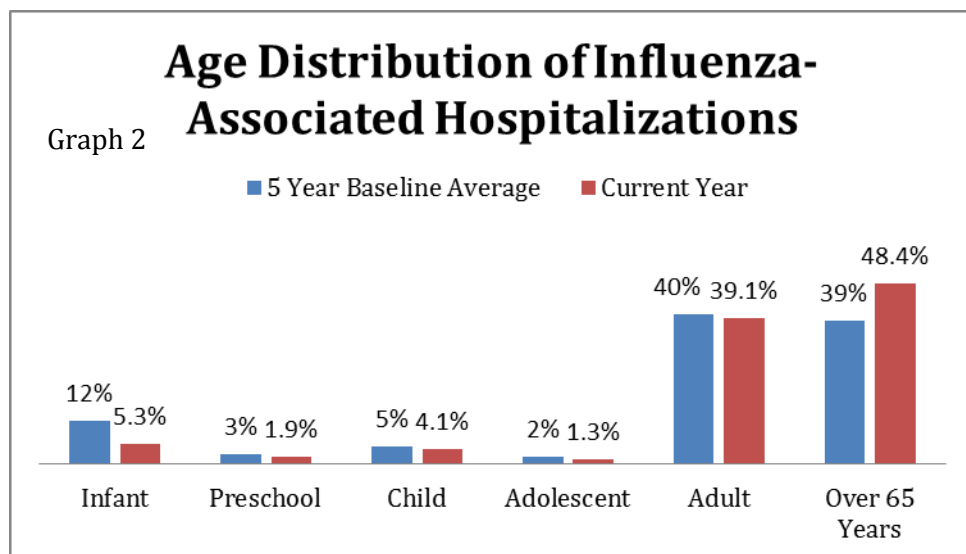
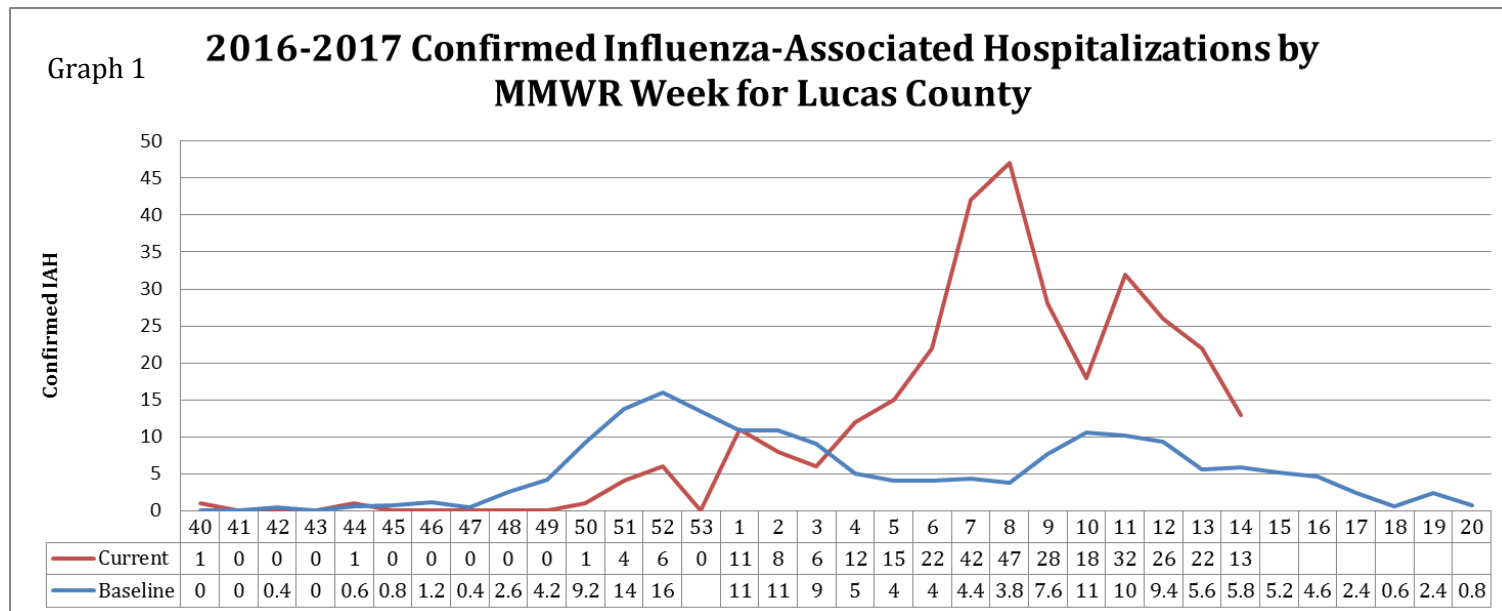
Local Surveillance:

Current Influenza Activity Levels:

- Lucas County had **13** confirmed Influenza-associated Hospitalizations (IAH) reported, bringing the total to **315** as of April 8, 2017.
- Gender Distribution of Cases:* 58% female, 42% male

Lucas County accounts for 3.9% of the IAH reported in Ohio.

Graph 1 illustrates the current confirmed Influenza-Associated Hospitalizations compared to baseline, which is a five year average.



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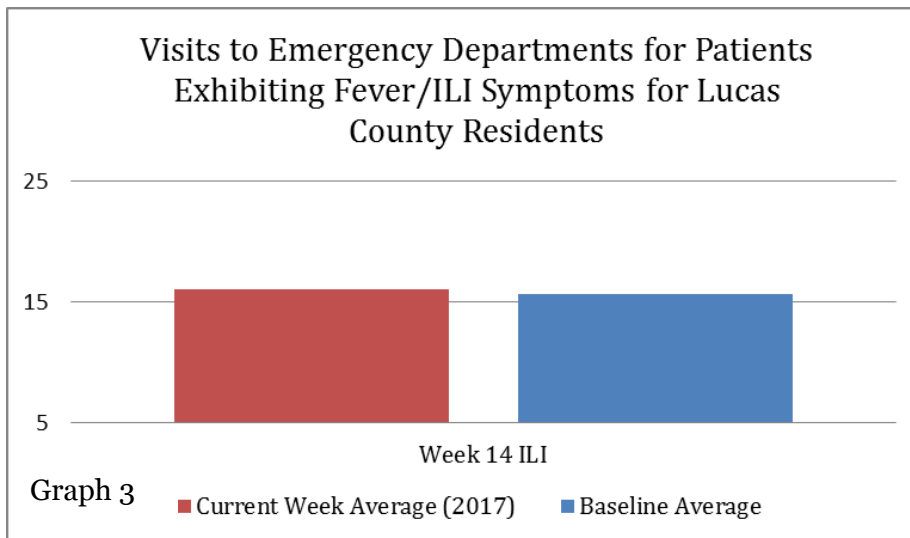
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The number of emergency department visits with patients exhibiting fever/ILI symptoms was right around baseline for MMWR 14. ILI (Influenza-Like Illness) is defined as a *fever greater than or equal to 100 degrees F AND a cough or sore throat*. (Graph 3)



Summary of State Data:

Current Ohio Activity Level (Geographic Spread) – Widespread

Definition: Increased ILI in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state.

During MMWR Week 14, Ohio public health surveillance data sources indicate decreased activity for influenza-like illness (ILI) in outpatient settings reported by Ohio's Sentinel ILINet providers, Athenahealth medical claims data and most other data sources. The percentage of emergency department (ED) visits with patients exhibiting constitutional symptoms and fever and ILI specified ED visits decreased and are above baseline levels. Weekly Influenza-associated hospitalization numbers decreased but are still above the *seasonal threshold. There were 420 influenza-associated hospitalizations reported during MMWR Week 14.

State Surveillance:

- ODH lab has reported 1196 influenza tests from specimens sent from various submitters. 2016-2017 influenza season positive results: (5) A/pdmH1N1; (723) A/H3N2; (238) Influenza B; (through 4/8/2017).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 52,419 influenza tests performed at participating facilities. 2016-2017 influenza season positive results: (5) H1N1, (626) A/H3N2, (4063) Flu A Not Subtyped, and (3317) Flu B (through 4/8/2017).
- 6 influenza-associated pediatric mortalities have been reported during the 2016-2017 season (through 4/8/2017).
- No novel influenza A virus infections have been reported during the 2016-2017 season (through 4/8/2017).
- Incidence of confirmed influenza-associated hospitalizations in 2016-2017 season = 7971 (through 4/8/2017).

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Regional Surveillance*: During week 13 (March 26th – April 1, 2017), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 2.3%, which is above the regional baseline of 1.9%. Ohio, Michigan, Kentucky, and Pennsylvania reported Widespread Activity. West Virginia and Indiana report regional activity.

National Surveillance*: During week 13 (March 26th – April 1, 2017), 27 U.S. states reported Minimal influenza activity, 9 states reported Low Activity, 5 reported moderate activity, and 9 reported High activity. The proportion of outpatient visits for ILI was 2.9%, which is above the national baseline of 2.2%. Six HHS regions reported ILI levels at their regionspecific baseline level. The most frequently identified influenza virus type reported by public health laboratories was influenza B.

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

Flu Information:

Influenza Virus Characterization:

CDC has antigenically characterized 1,249 influenza viruses [217 influenza A (H1N1)pdm09, 589 influenza A (H3N2), and 443 influenza B viruses] collected by U.S. laboratories since October 1, 2016. 96% of the Influenza B viruses that have been antigenically characterized by CDC were similar to viruses included in either the trivalent or quadrivalent 2016-17 influenza vaccine. 98% of the influenza A viruses characterized matched the viruses included in the 2016-17 influenza vaccine.

CIDRAP: CDC: Flu has peaked, but 24 states still report widespread activity

Flu season has peaked but many states can still expect to see flu activity in the next few weeks, the Center for Disease Control and Prevention (CDC) said today in its weekly FluView. Despite the decreasing flu activity, the CDC said vaccination efforts should continue as long as flu is circulating.

Last week influenza B accounted for 67.8% of all lab-confirmed influenza cases, despite influenza A dominating earlier this season, which is a typical seasonal pattern. The CDC said vaccine effectiveness this season was 43% against H3N2 (influenza A) and 73% against B viruses.

The proportion of people seeing their healthcare provider for influenza-like illness (ILI) was 2.6%, a decrease from last week's 2.9%. The percentage, however, is still above the national baseline of 2.2%. Hospitalization rates last week were 59.4 per 100,000 population, an increase from the previous week's rate of 54.1 per 100,000.

Last week brought 5 more pediatric deaths from influenza, raising that total to 72 for the season. Flu remains widespread in 24 states. Only 2 states experienced high ILI activity, 7 states reported moderate ILI activity, and New York City and 11 states experienced low ILI activity.

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

[ODH Influenza Activity Summary MMWR Week 14](#)