

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 51 December 18-24, 2016

Local Surveillance:

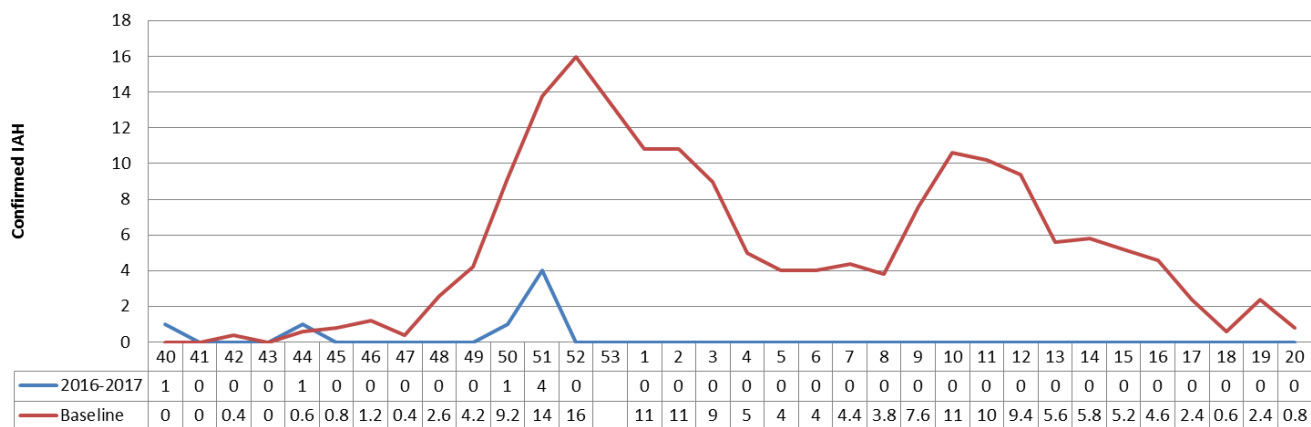
Current Influenza Activity Levels:

- Lucas County had 4 confirmed Influenza-associated Hospitalizations (IAH) reported, bringing the total to 7 as of December 24, 2016.
- Gender Distribution of Cases:* 83% female, 17% male

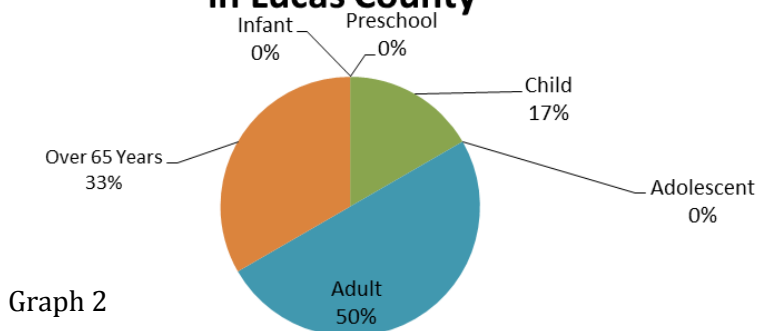
Lucas County accounts for 2.3% of the IAH reported in Ohio.

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

Graph 1
2016-2017 Confirmed Influenza-Associated Hospitalizations by MMWR Week for Lucas County



2016-2017 Age Distribution of Influenza-associated Hospitalizations in Lucas County



Graph 2

Infant: 0-2 years old

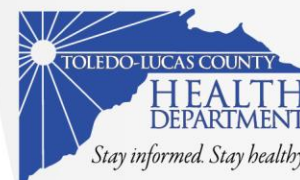
Preschool: 3-5 years old

Child: 6-12 years old

Adolescent: 13-17 years old

Adult: 18-64 years old

65 years and older



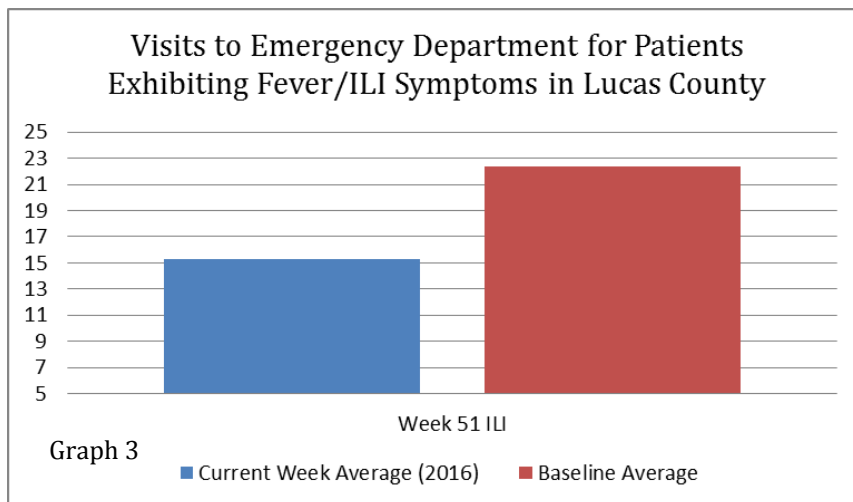
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The number of emergency department visits with patients exhibiting fever/ILI symptoms is well below baseline in Lucas County for MMWR week 51. ILI (Influenza-Like Illness) is defined as a fever greater than or equal to 100 degrees F AND a cough or sore throat. (Graph 3)



Summary of State Data: Current Ohio Activity Level (Geographic Spread) – Regional

Definition: Increased ILI in > 2 but less than half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the affected regions, OR institutional outbreaks (ILI or lab confirmed) in > 2 but less than half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the affected regions.

During MMWR Week 51, Ohio public health surveillance data sources indicate increasing activity for influenza-like illness (ILI) in outpatient settings reported by and by Athenahealth medical claims data. The percentage of emergency department visits with patients exhibiting constitutional symptoms and fever and ILI specified ED visits increased but are below baseline levels. Weekly Influenza-associated hospitalization numbers have been above the seasonal threshold* for 3 weeks; there were 59 influenza-associated hospitalizations reported.

State Surveillance:

- ODH lab has reported 96 influenza tests from specimens sent from various submitters. 2016-2017 influenza season positive results: (0) A/pdmH1N1; (25) A/H3N2; (3) Influenza B; (through 12/24/16).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 14,888 influenza tests performed at participating facilities. 2016-2017 influenza season positive results: (0) H1N1, (17) A/H3N2, (160) Flu A Not Subtyped, and (39) Flu B (through 12/24/16).
- 0 pediatric influenza-associated mortalities have been reported during the 2016-2017 season (through 12/24/16).
- No novel influenza A virus infections have been reported during the 2016-2017 season (through 12/24/16).



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- Incidence of confirmed influenza-associated hospitalizations in 2016-2017 season = 214 (through 12/24/16).

Regional Surveillance*: During week 50 (December 11th – December 17th, 2016), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 1.4%, which is below the regional baseline of 1.8%. Ohio (Regional for week 51), Indiana, Kentucky, and Michigan reported Local Activity. Pennsylvania reported Regional Activity; West Virginia reported Sporadic Activity.

National Surveillance*: During week 50 (December 11th –December 17th, 2016), the majority U.S. states reported Minimal influenza activity, 7 states reported Low Activity, 5 reported moderate activity, and 6 reported High activity. The proportion of outpatient visits for ILI was 2.3%, which is above the national baseline of 2.2%. Five HHS regions reported ILI levels at their regionspecific baseline level. The most frequently identified influenza virus type reported by public health laboratories was

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

Flu Information:

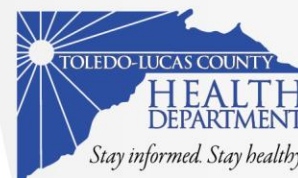
Influenza Virus Characterization:

CDC has antigenically characterized 89 influenza viruses [26 influenza A (H1N1)pdm09, 42 influenza A (H3N2), and 21 influenza B viruses] collected by U.S. laboratories since October 1, 2016. 95.3% 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. 95.6% of the influenza A viruses characterized matched the viruses included in the 2016-17 influenza vaccine.

[Avian Influenza \(H7N2\) in Cats in Animal Shelters in NY; One Human Infection](#)

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

[ODH Influenza Activity Summary MMWR 51](#)



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