



April 23rd to April 29th, 2017 (MMWR Week 17)

Highlights

Flu Indicators	Current Level of Activity (Low-Moderate-High)	Percent Change from Last Week	# of Weeks
Current Flu Activity Level	Moderate	N/A	(2 Weeks)
Total Number of Influenza Associated Hospitalizations	Flu Season to Date: 543 MMWR Week 17: 8	-12.5 %	(3 Weeks)
Total Number of Influenza Deaths for Cuyahoga County	Flu Season to Date: 21 MMWR Week 17: 2	N/A	(1 Week)
School Absenteeism due to Illness	MMWR Week 16: 28 MMWR Week 17: 23	-17.9%	(2 Weeks)
Total Number of Fever + Influenza like Illness ER Visits	Flu Season to Date: 4079 MMWR Week 17: 100	+2.0%	(1 Week)
Percentage of ER Visits due to Fever and Influenza like Illness Symptoms	1.1%	N/A	(1 Week)
Percentage of Deaths due to Flu and Pneumonia	Pneumonia: 4.83% Flu: 0.69%	+55.5% N/A	(1 Week) (1 Week)

Influenza-Related Deaths

There were a total of 2 influenza deaths reported this week.

- Adults aged 65-74 and adults aged 75 years and over each accounted for 50% of influenza related deaths
- Influenza deaths accounted for 0.69% of all deaths reported this week
- The number of influenza deaths **increased** compared to last week (0 deaths)

Influenza Deaths	Age	Sex	Race	Residence
#1	74	Male	White	Cleveland Heights
#2	81	Female	White	Richmond Heights

Due to the small number of deaths, underlying health issues will not be provided.

Figure 1: Influenza-Associated Hospitalizations

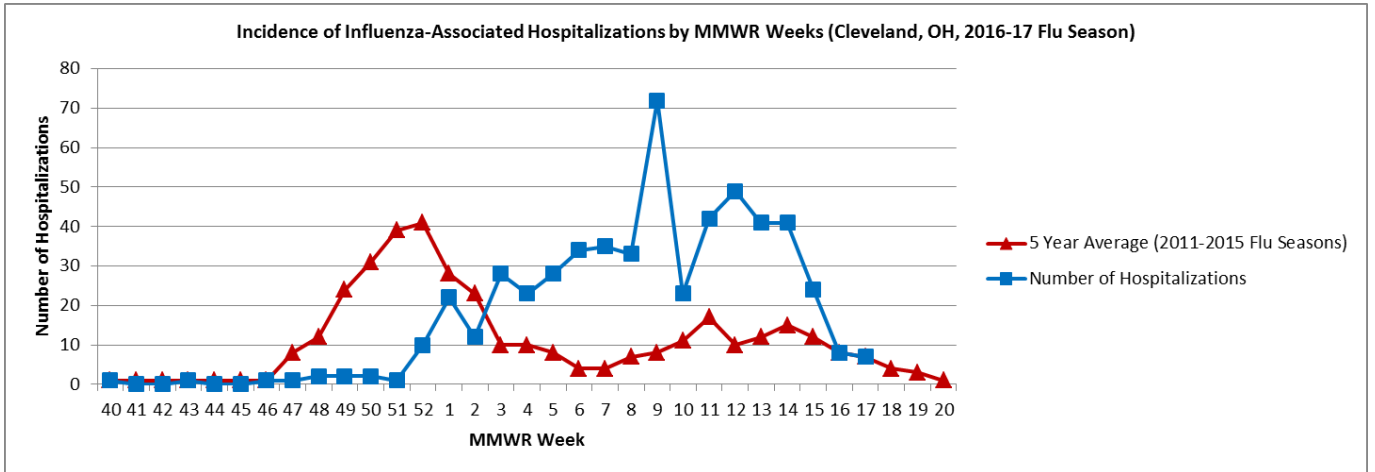
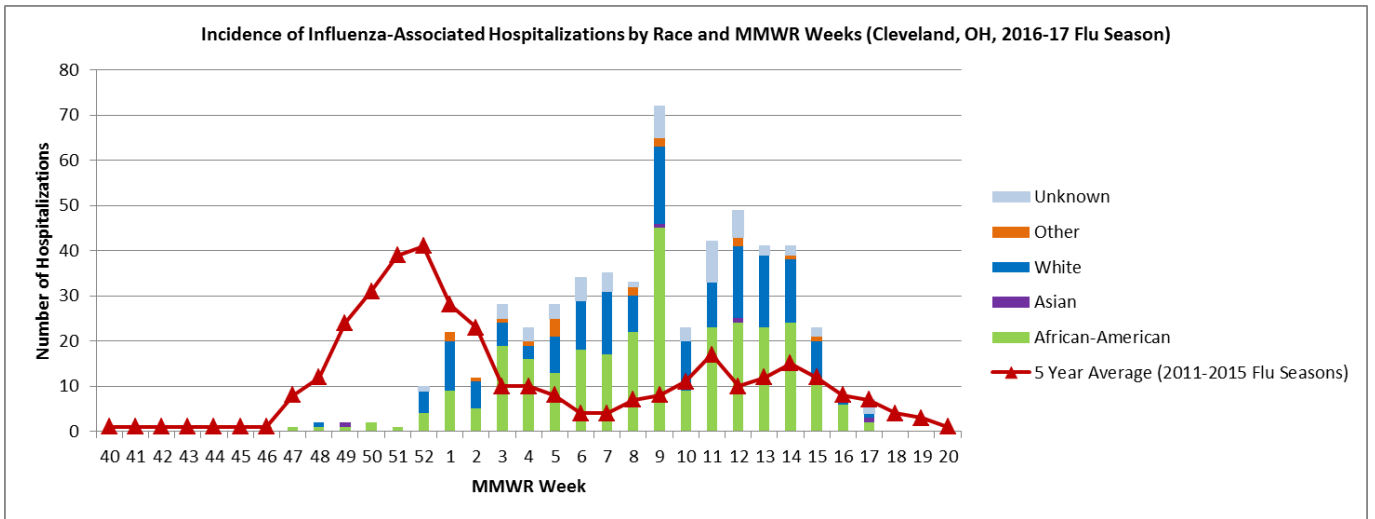


Figure 2: Influenza-Associated Hospitalizations by Race



Created by: CDPH Office of Communicable Disease Surveillance and Epidemiology

**IAH: Case reporting fluctuations may contribute to an unequal deviation in the number of weekly reported cases. IAH cases only include patients during the 2016-2017 flu season (MMWR Week 40 to Week 20). **

Figure 3: Influenza-Associated Hospitalizations by Gender

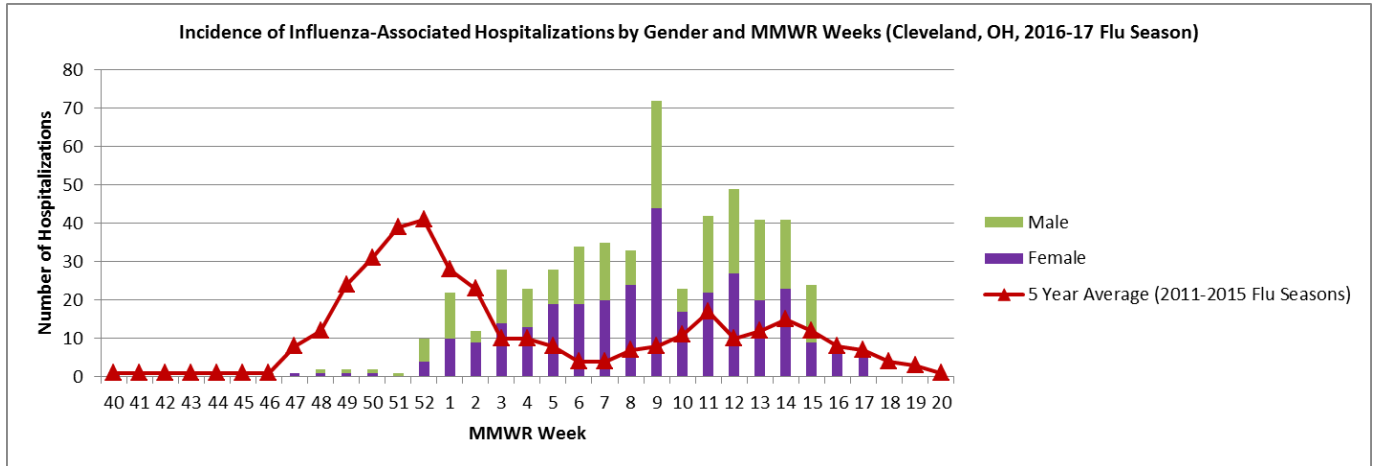
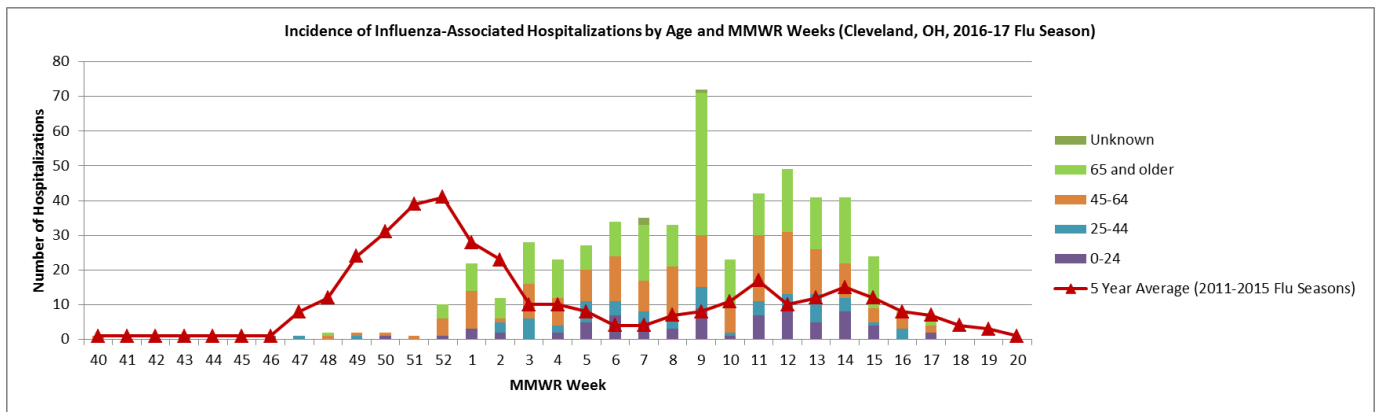


Figure 4: Influenza-Associated Hospitalizations by Age



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Figure 5: Pneumonia and Influenza Mortalities Reported by MMWR Week

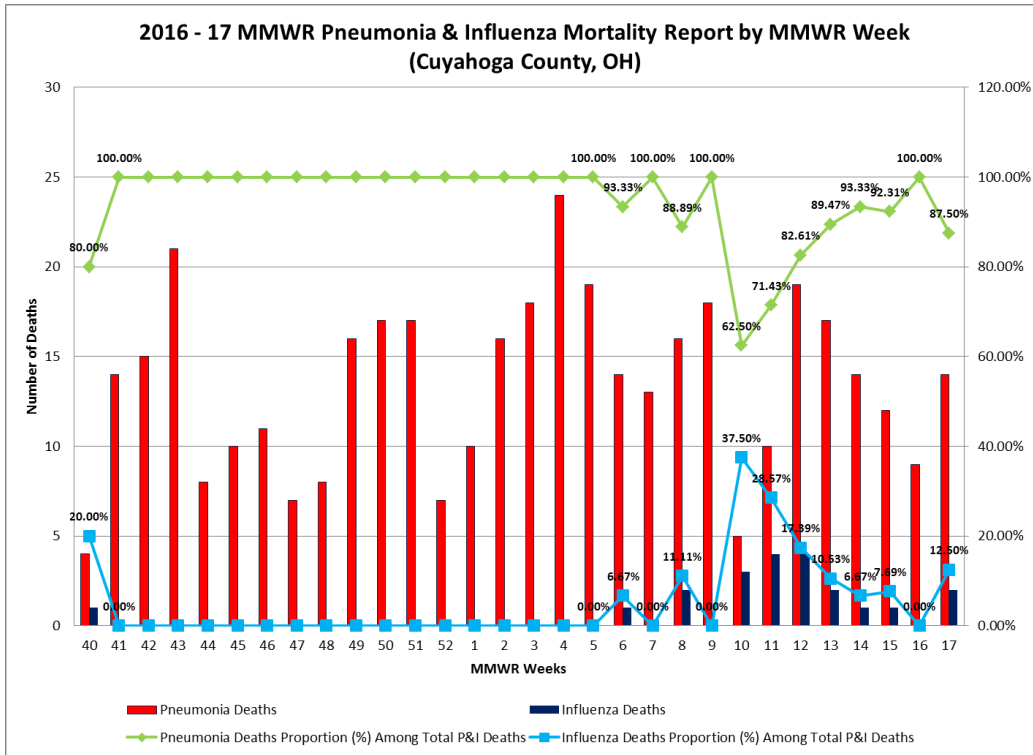
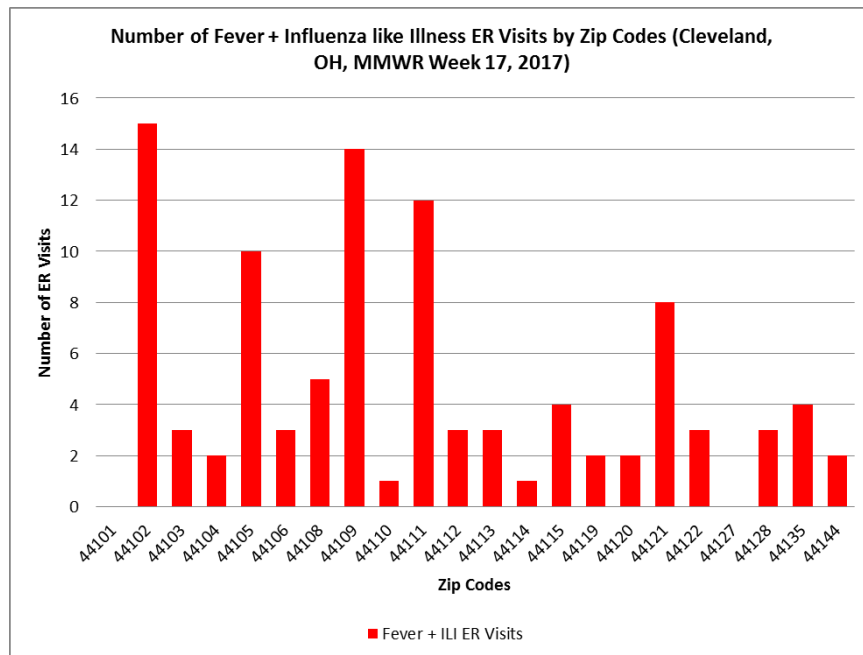


Figure 6: Number of Fever + Influenza-like Illness ER Visits



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Additional Influenza Related Links

- Weekly National Influenza Reports from the CDC: <http://www.cdc.gov/flu/weekly>
- Weekly State Influenza Reports from the ODH: <http://www.odh.ohio.gov/features/odhfeatures/seasflu/ohfluactivity.aspx>
- Cleveland Flu and You: <http://clevelandfluandyou.org/>
- CDC Flu Prevention Tips: <http://www.cdc.gov/flu/protect/habits.htm>

Sources

- 1) **Influenza-Associated Hospitalizations (ODRS)**: Influenza-associated hospitalizations are reported by the Cuyahoga County Board of Health (CCBH) and hospitals using the Ohio Disease Reporting System (ODRS). Hospitalizations can be used as an indicator of the severity of illness during a particular influenza season. This condition became reportable in January 2009.
- 2) **City of Cleveland's Vital Statistics Office**: Cleveland Vital Statistics office reports on deaths that occur in 55 of 59 municipalities in Cuyahoga County (excludes Lakewood, Bedford, Euclid, & Parma) regarding pneumonia & influenza.
- 3) **Emergency Department Visits (EpiCenter)**: EpiCenter collects emergency department chief complaint data from hospitals and urgent care facilities across Cuyahoga County and classifies them into symptom and syndrome categories. Rates for chief complaints regarding fever + ILI and other symptoms commonly detected during the flu season are analyzed.