

Kentucky Department for Public Health  
 Weekly Influenza Surveillance Report  
 Morbidity and Mortality Weekly Report (MMWR) Week 44  
 October 29– November 4, 2017



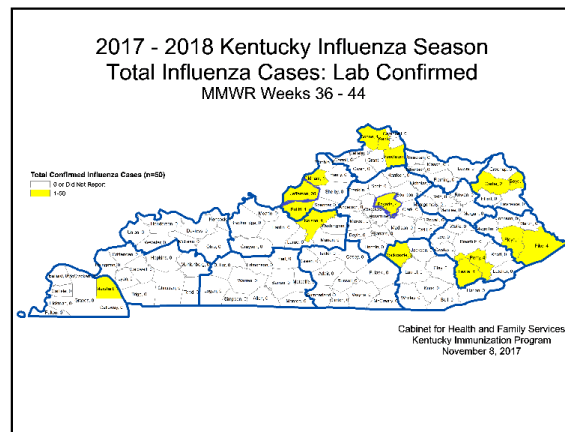
**Current Influenza Activity Level: <sup>†</sup>Sporadic**

**<sup>†</sup>Sporadic:** small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.

**\*Confirmed:** Influenza laboratory Confirmed Cases are defined by positive molecular virus (RT-PCR) or Virus Culture test results. Those positive test results are reportable in Kentucky. (Positive results for Rapid Influenza Diagnostic Tests are not included in this report)

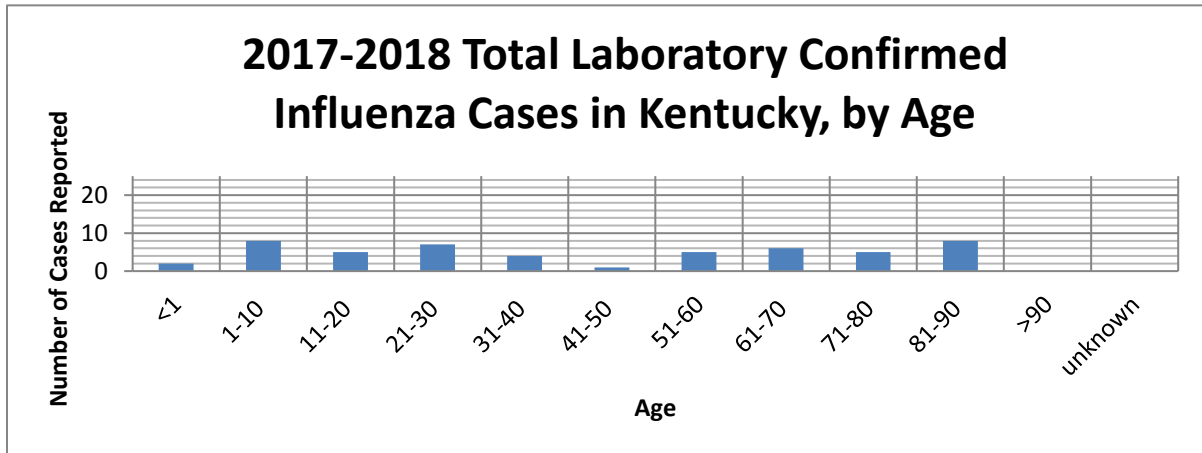
Activity Level Range: Sporadic Local Regional Widespread

Update for week 44:		Update Total for weeks 36-44:	
Lab Confirmed Influenza:	13 Cases	Lab Confirmed Total:	50 Cases
Number of Regions with Long Term Care Facility Outbreaks:	0 of 17 Regions	Total Number of Long Term Care Facility Outbreaks:	0 Outbreaks
Number of Regions with Confirmed Flu Cases:	5 of 17 Regions	Total Number of Regions with Confirmed Flu Cases:	10 of 17 Regions
Deaths Reported:	0 (under 18 years) 0 (18 years & older)	Total Deaths Reported:	0 (under 18 years) 0 (18 years & older)
Number of Regions with Increased ILI Activity:	3 of 17 Regions		
Number of Regions with Increased Influenza Activity:	0 of 17 Regions		

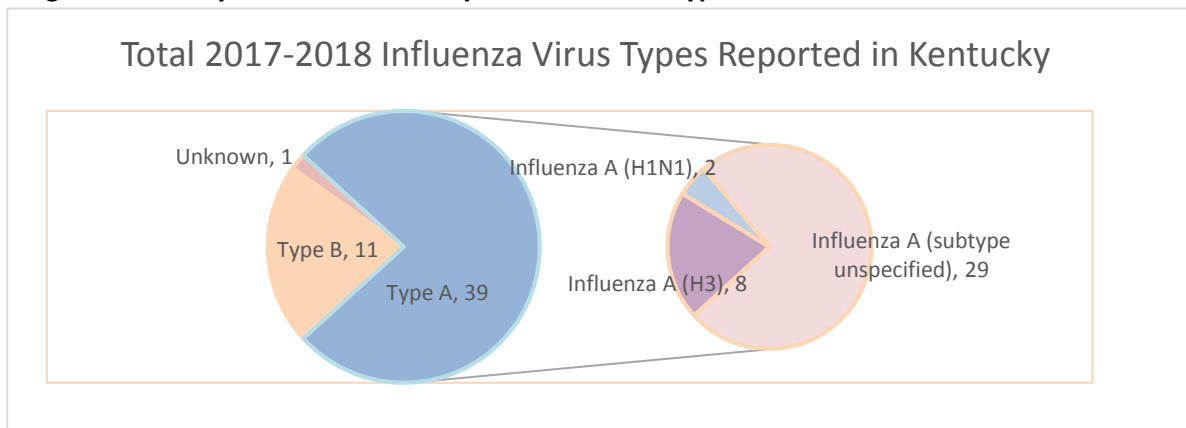


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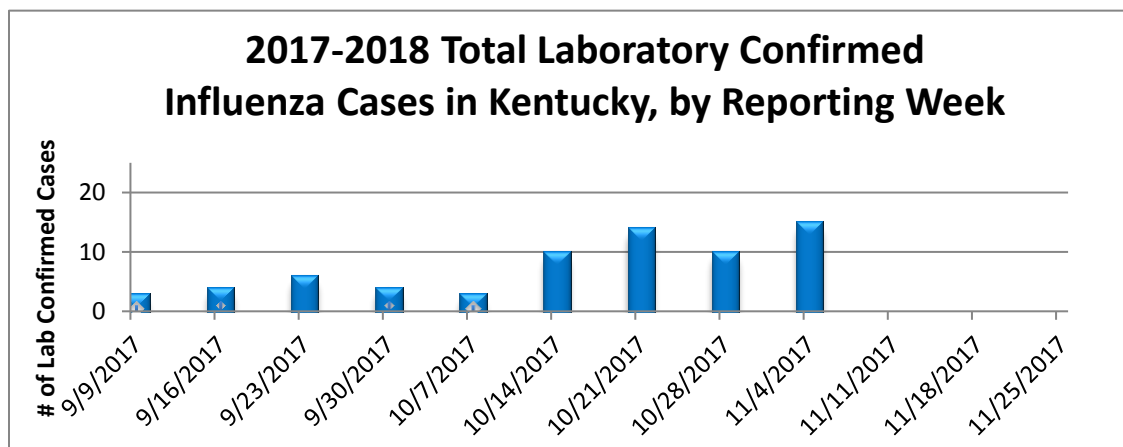
**Fig 1: Laboratory Confirmed Cases by Age**



**Fig 2: Laboratory Confirmed Cases by Influenza Virus Types**



**Fig 3: 2017-2018 Total Laboratory Confirmed Influenza Cases in Kentucky, by Reporting Week**



\*Confirmed: Influenza laboratory Confirmed Cases are defined by positive RT-PCR or Virus Culture test results

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Influenza Activity Determination Table					
		Category 1	Category 2	Category 3	Combined 1 or 2 plus 3
Regions	Number ILI Net Surveillance Sites Reporting / Total Enrolled Sites	Influenza Outbreaks Reported	Increased ILI Activity Reported	Laboratory Confirmed Influenza Reported	Include Region in Weekly Report for Increased Influenza Activity
Barren River	1/6		X		
Big Sandy	0/1			1	
Bluegrass	8/21				
Buffalo Trace	0				
Cumberland Valley	0/5				
Fayette County	3/7			3	
FIVCO	1/3				
Gateway	0/3				
Green River	0/5				
Jefferson County	3/25			7	
Kentucky River	0/1				
KIPDA	1/2		X		
Lake Cumberland	0/1				
Lincoln Trail	1/7			1	
Northern KY	2/10				
Pennyrile	0/2		X		
Purchase	1/3			1	
<b>**Total:</b>	21/102	0/17 regions	3/17 regions	5/17 regions	0/17 regions

\*\*Total number of regions reporting category of activity not total number of influenza cases

Kentucky National Electronic Disease Surveillance System (NEDSS) and U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) Data. Department for Public Health, Cabinet for Health and Family Services, Frankfort, Kentucky, [October 29- November 4, 2017].



National Data  
2017-2018 Influenza Season  
Week 43 ending October 28, 2017

*All data are preliminary and may change as more reports are received.*

*\*Week 44 will be available November 16th and will be attached on the next report.*

## Synopsis:

During week 43 (October 22-28, 2017), influenza activity was low in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories during week 43 was influenza A. The percentage of respiratory specimens testing positive for influenza in clinical laboratories is low.
- **Novel Influenza A Virus:** Three human infections with novel influenza A viruses were reported.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the system-specific epidemic threshold in the National Center for Health Statistics (NCHS) Mortality Surveillance System.
- **Influenza-associated Pediatric Deaths:** One influenza-associated pediatric death was reported that occurred during the 2016-2017 season.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.5%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. One state experienced moderate ILI activity, four states experienced low ILI activity, New York City and 45 states experienced minimal ILI activity, and the District of Columbia and Puerto Rico had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam and four states was reported as regional; Puerto Rico and 12 states reported local activity; the District of Columbia and 31 states reported sporadic activity; one state reported no activity; and the U.S. Virgin Islands and two states did not report.

Weekly U.S. Influenza Surveillance Report. Centers for Disease Control and Prevention.

<https://www.cdc.gov/flu/weekly/index.htm>, Retrieved: 11/8/2017.