

Kentucky Department for Public Health Weekly Influenza Surveillance Report Morbidity and Mortality Weekly Report (MMWR) Week 43 October 22– October 28, 2017



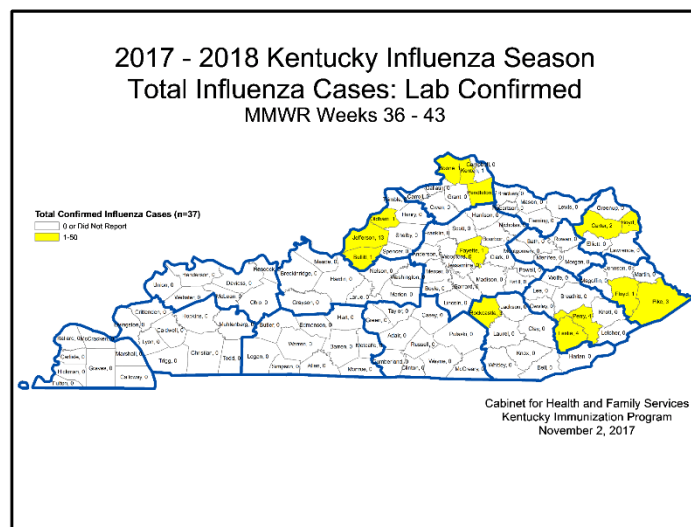
Current Influenza Activity Level: Local

Local: Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of the state.

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 43:		Update Total for weeks 36-43:	
Lab confirmed influenza:	7 Cases	Lab confirmed Total:	37 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 ILI activity:	8 of 17 regions	Total Number of Regions with Confirmed Flu Cases:	8 of 17 Regions
Number of regions with Confirmed Flu Cases:	2 of 17 regions	Total Deaths Reported:	0 (under 18 years) 0 (18 years & older)
Number of regions with increased influenza activity:	7 of 17 regions		
Deaths Reported:	0 (under 18 years) 0 (18 years & older)		



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Fig 1: Laboratory Confirmed Cases by Age

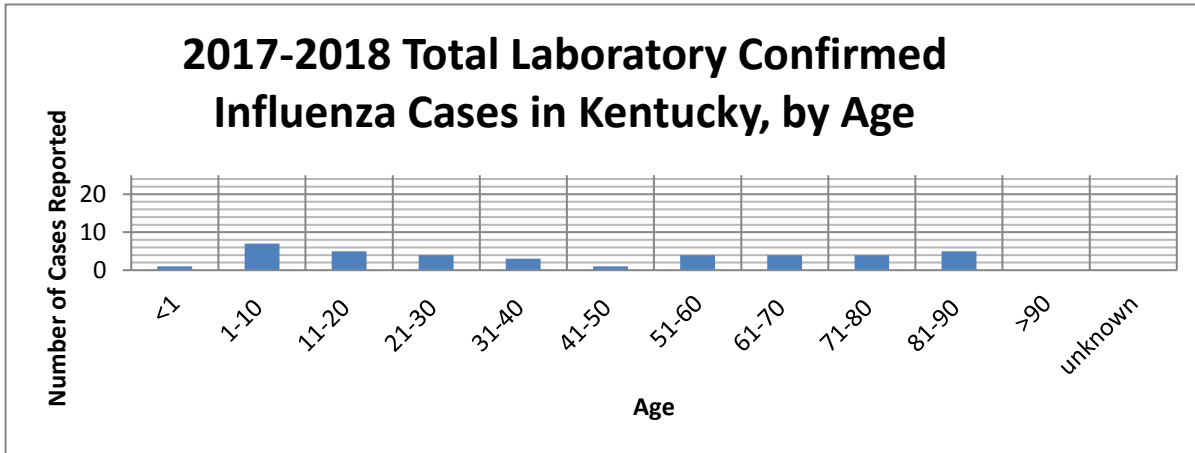


Fig 2: Laboratory Confirmed Cases by Influenza Virus Types

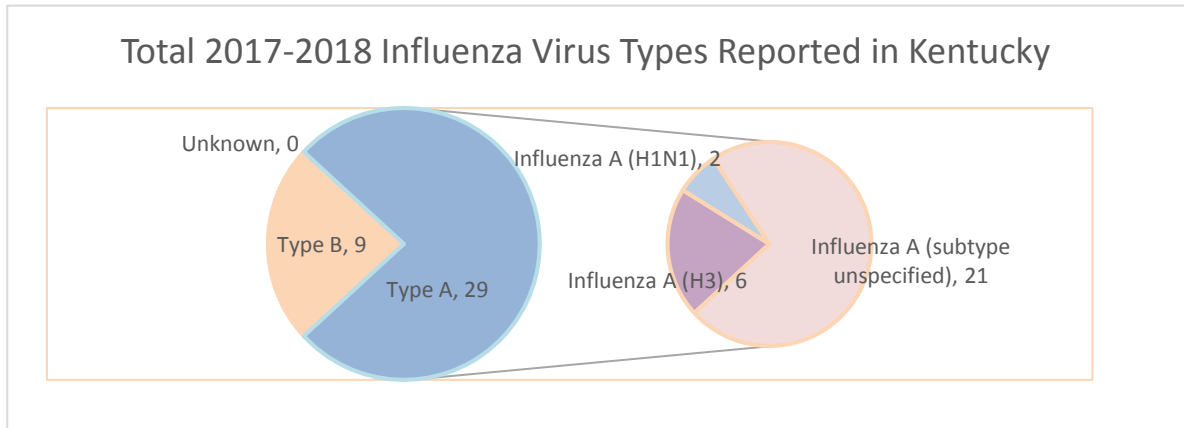
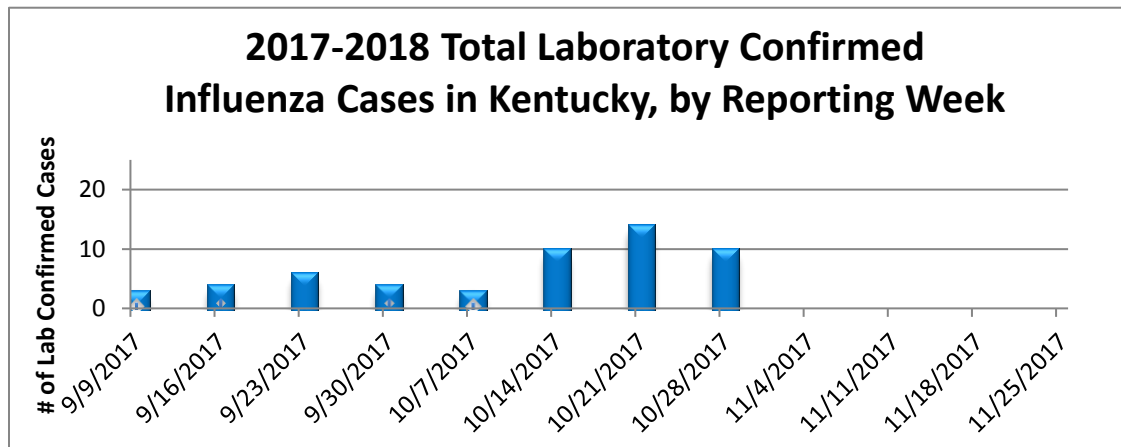


Fig 3: 2017-2018 Total Laboratory Confirmed Influenza Cases in Kentucky, by Reporting Week



*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				
Big Sandy	0/1			4	
Bluegrass	9/21		X		
Buffalo Trace	0				
Cumberland Valley	0/5		X		
Fayette County	4/7		X		
FIVCO	1/3		X		
Gateway	0/3				
Green River	0/5				
Jefferson County	3/25				
Kentucky River	0/1		X	3	X
KIPDA	1/2		X		
Lake Cumberland	0/1				
Lincoln Trail	2/7				
Northern KY	4/10		X		
Pennyrile	0/2				
Purchase	0/3				
**Total :	25/102	0/17 regions	7/17 regions	2/17 regions	1/17 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 22- October 28, 2017].



National Data
2017-2018 Influenza Season
Week 42 ending October 21, 2017

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

**Week 43 will be available November 9th and will be attached on the next report.*

Synopsis:

During week 42 (October 15-21, 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 42 was influenza A. The percentage of respiratory specimens testing positive for influenza in clinical laboratories is low.
- **Novel Influenza A Virus:** One human infection with a novel influenza A virus was 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.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.3%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. Three states experienced low ILI activity and New York City, the District of Columbia, Puerto Rico and 47 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam was reported as regional; Puerto Rico and 12 states reported local activity; the District of Columbia and 33 states reported sporadic activity; five states reported no activity; and the U.S. Virgin Islands did not report.

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

<https://www.cdc.gov/flu/weekly/index.htm>, Retrieved: 11/1/2017.