

Kentucky Department for Public Health Weekly Influenza Surveillance Report Morbidity and Mortality Weekly Report (MMWR) Week 46 November 12– November 18, 2017



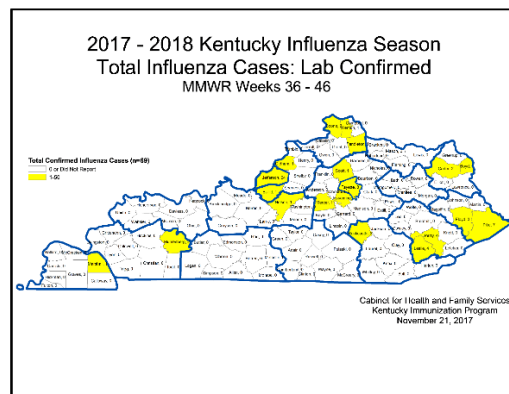
Current Influenza Activity Level: †Regional

†Regional: Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state with recent laboratory evidence of influenza in those regions.

***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 46:		Update Total for weeks 36-46:	
Lab Confirmed Influenza:	10 Cases	Lab Confirmed Total:	69 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:	12 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:	11 of 17 Regions		
Number of Regions with Increased Influenza Activity (see page 3):	4 of 17 Regions		



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Fig 1: Laboratory Confirmed Cases by Age

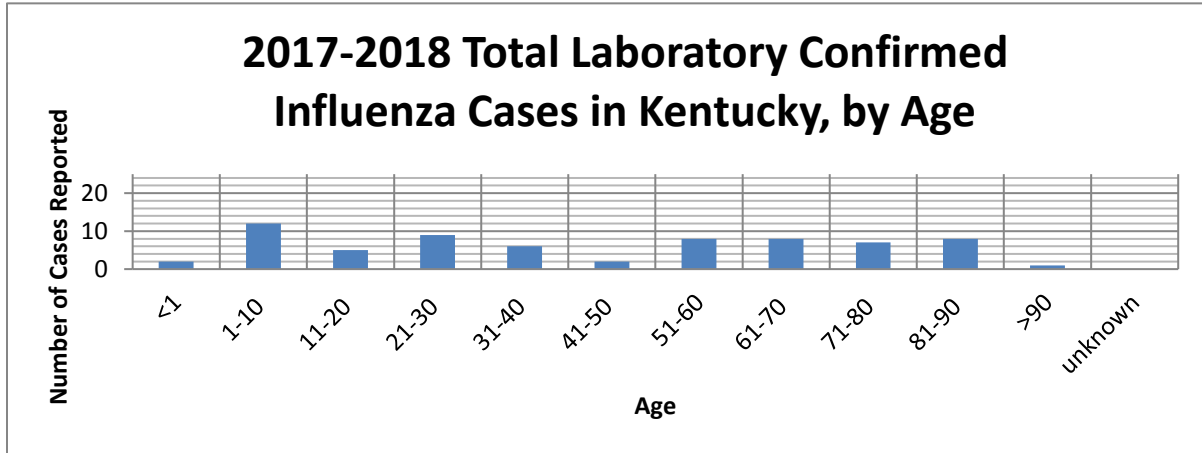


Fig 2: Laboratory Confirmed Cases by Influenza Virus Types

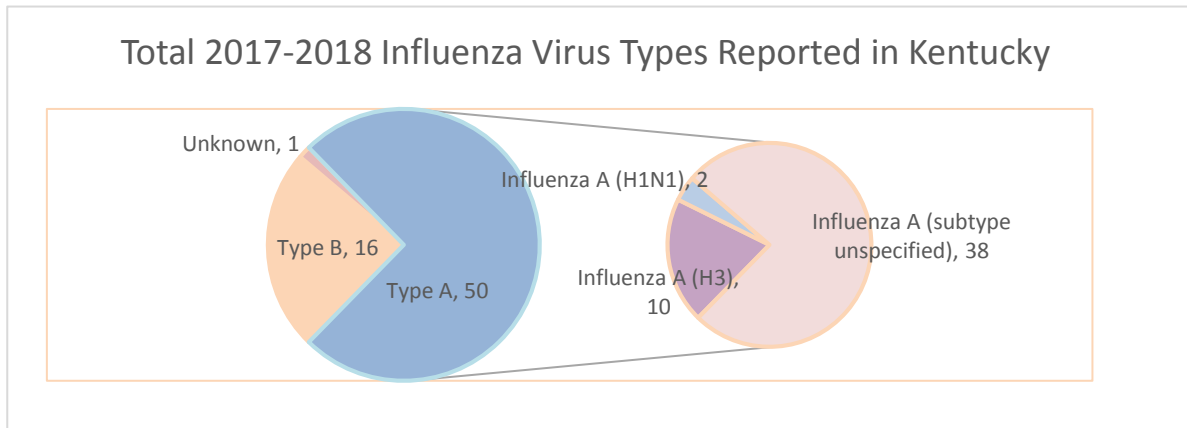
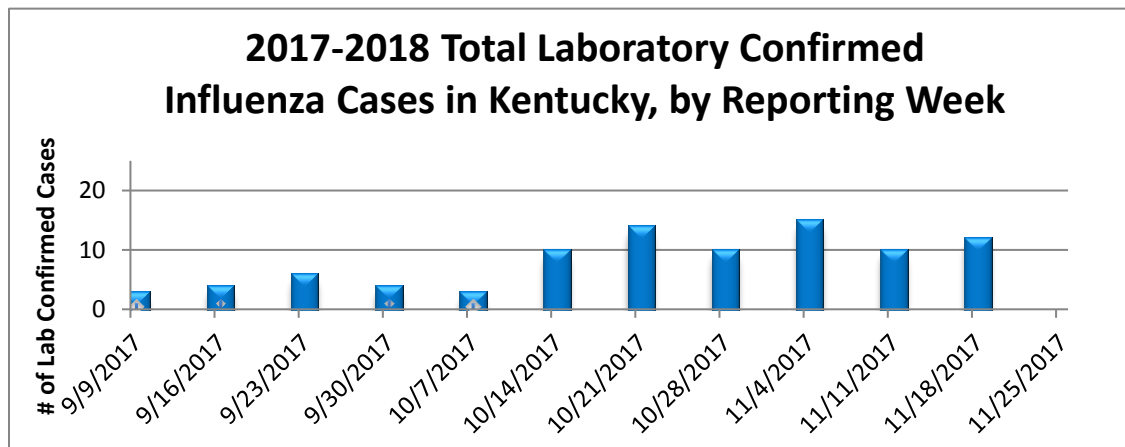


Fig 3: 2017-2018 Total Laboratory Confirmed Influenza Cases in Kentucky, by Reporting Week



*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		X	1	X
Bluegrass Region	3/8		X		
Buffalo Trace / Gateway	0/3		X		
Capital Region	3/13			2	
Cumberland Valley	0/5				
FIVCO	1/3				
Green River	0/4				
Kentucky River	0/1		X		
Lake Cumberland	0/1				
Lexington - Fayette	4/7		X	2	X
Lincoln Trail	1/6		X		
Louisville-Metro	3/20		X	3	X
North Central	1/2		X		
Northern KY	2/11		X		
Pennyrile	0/2		X	2	X
Purchase	0/3				
**Total:	19/94	0/17 regions	11/17 regions	5/17 regions	4/17 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, [November 12 - November 18, 2017].



National Data
2017-2018 Influenza Season
Week 45 ending November 11, 2017

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

**Week 46 will be available November 30th and will be attached on the next report.*

Synopsis:

During week 45 (November 5-11, 2017), influenza activity is increasing in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories during week 45 was influenza A. The percentage of respiratory specimens testing positive for influenza in clinical laboratories is increasing.
- **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:** No influenza-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.9%, which is below the national baseline of 2.2%. One region reported ILI at or above their region-specific baseline level. One state experienced high ILI activity; two states experienced moderate ILI activity; six states experienced low ILI activity; New York City, and the District of Columbia, Puerto Rico, and 41 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam, Puerto Rico and nine states was reported as regional; 13 states reported local activity; the U.S. Virgin Islands and 26 states reported sporadic activity; and the District of Columbia and two states reported no activity.

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

<https://www.cdc.gov/flu/weekly/index.htm>, Retrieved: 11/21/2017.