

# Kentucky Department for Public Health Weekly Influenza Surveillance Report Morbidity and Mortality Weekly Report (MMWR) Week 49 December 3– December 9, 2017



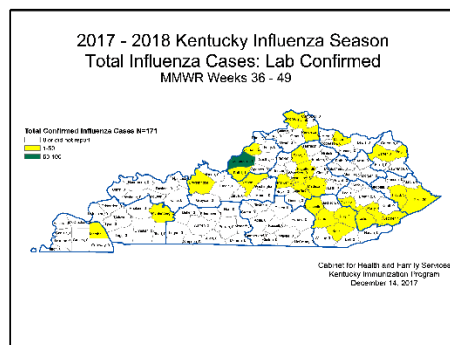
## Current Influenza Activity Level: †Regional

**†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)

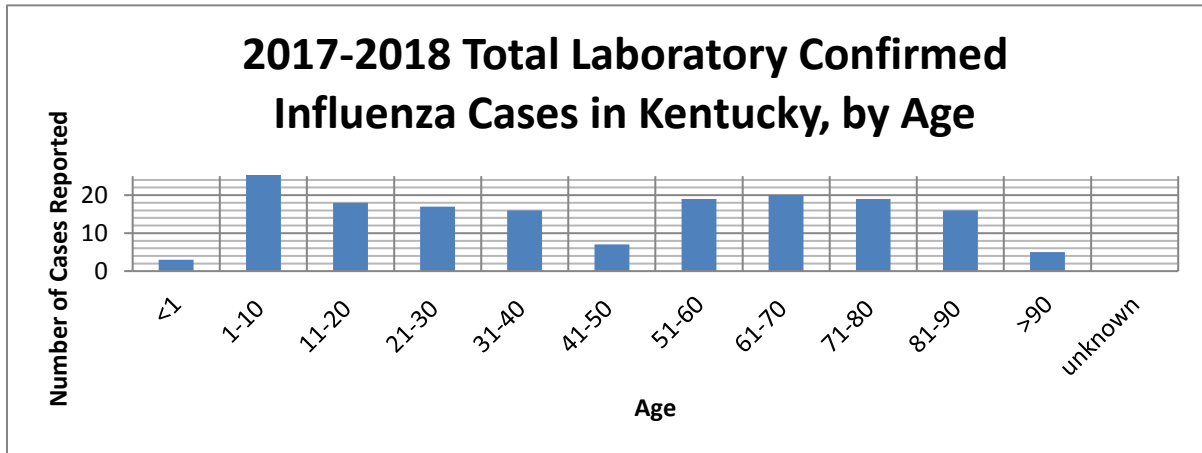
Activity Level Range: Sporadic Local Regional Widespread

Update for week 49:		Update Total for weeks 36-49:	
<b>Lab Confirmed Influenza:</b>	<b>67 Cases</b>	<b>Lab Confirmed Total:</b>	<b>171 Cases</b>
<b>Number of Regions with Long Term Care Facility Outbreaks:</b>	<b>1 of 17 Regions</b>	<b>Total Number of Long Term Care Facility Outbreaks:</b>	<b>1 Outbreaks</b>
<b>Number of Regions with Confirmed Flu Cases:</b>	<b>12 of 17 Regions</b>	<b>Total Number of Regions with Confirmed Flu Cases:</b>	<b>13 of 17 Regions</b>
<b>Deaths Reported:</b>	<b>0 (under 18 years) 1 (18 years &amp; older)</b>	<b>Total Deaths Reported:</b>	<b>0 (under 18 years) 1 (18 years &amp; older)</b>
<b>Number of Regions with Increased ILI Activity:</b>	<b>11 of 17 Regions</b>		
<b>Number of Regions with Increased Influenza Activity (see page 3):</b>	<b>8 of 17 Regions</b>		

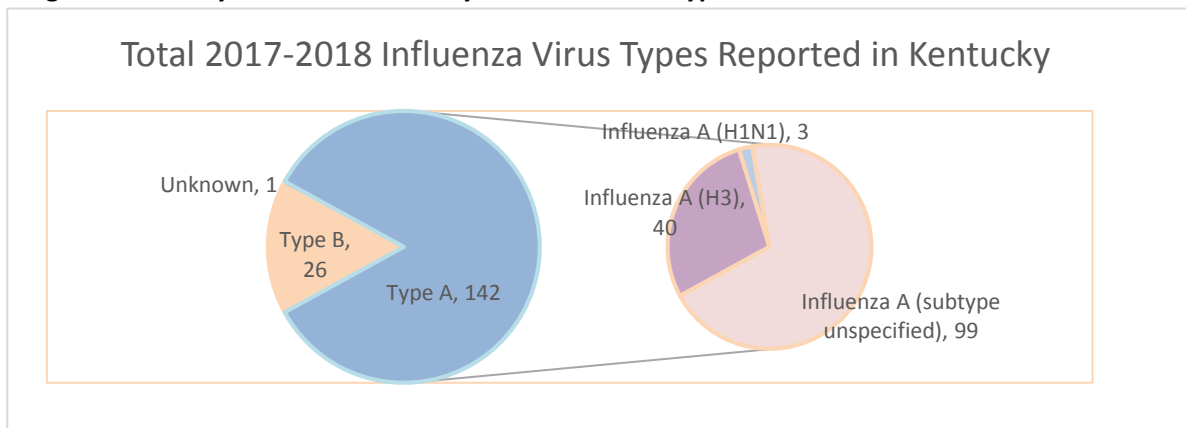


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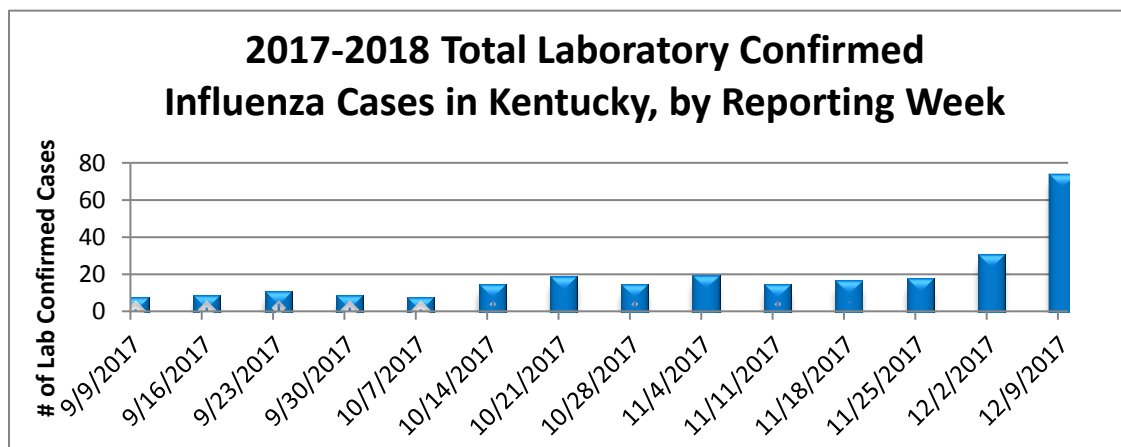
**Fig 1: Laboratory Confirmed Cases by Age**



**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			19	
Bluegrass Region	3/8	1	X	1	X
Buffalo Trace / Gateway	0/3			1	
Capital Region	7/13		X	6	X
Cumberland Valley	0/5			1	
FIVCO	1/3		X	1	X
Green River	0/4				
Kentucky River	0/1		X	2	X
Lake Cumberland	0/1				
Lexington - Fayette	3/7		X	20	X
Lincoln Trail	2/6		X	1	X
Louisville-Metro	1/20		X	12	X
North Central	1/2		X	2	X
Northern KY	1/11			1	
Pennyrile	0/2		X		
Purchase	1/3		X		
<b>**Total:</b>	21/94	1/17 regions	11/17 regions	12/17 regions	8/17 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, [December 3 – December 9, 2017].



National Data  
2017-2018 Influenza Season  
Week 48 ending December 2, 2017

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

*\*Week 49 will be available December 21st and will be attached on the next report.*

**Synopsis:** During week 48 (November 26-December 2, 2017), overall influenza activity increased slightly in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories during week 48 was influenza A. The percentage of respiratory specimens testing positive for influenza in clinical laboratories declined slightly.
- **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:** Two influenza-associated pediatric deaths were reported.
- **Influenza-associated Hospitalizations:** A cumulative rate of 3.0 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.3%, which is above the national baseline of 2.2%. Regions 1, 4, 6 and 7 reported ILI at or above region-specific baseline levels. Three states experienced high ILI activity; Puerto Rico and three states experienced moderate ILI activity; the District of Columbia and six states experienced low ILI activity; and New York City and 38 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in seven states was reported as widespread; Puerto Rico and 18 states reported regional activity; 18 states reported local activity; and the District of Columbia, the U.S. Virgin Islands and seven states reported sporadic activity; and Guam did not report.

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

<https://www.cdc.gov/flu/weekly/index.htm>, Retrieved: 12/13/2017.