

# Kentucky Department for Public Health Weekly Influenza Surveillance Report Morbidity and Mortality Weekly Report (MMWR) Week 8 February 18, 2018 – February 24, 2018



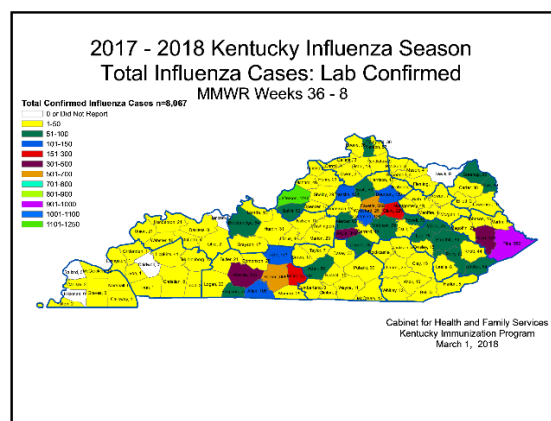
## Current Influenza Activity Level: **Widespread for Eleventh Consecutive Week**

**Widespread:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least half the regions of the state with recent laboratory evidence of influenza in the state.

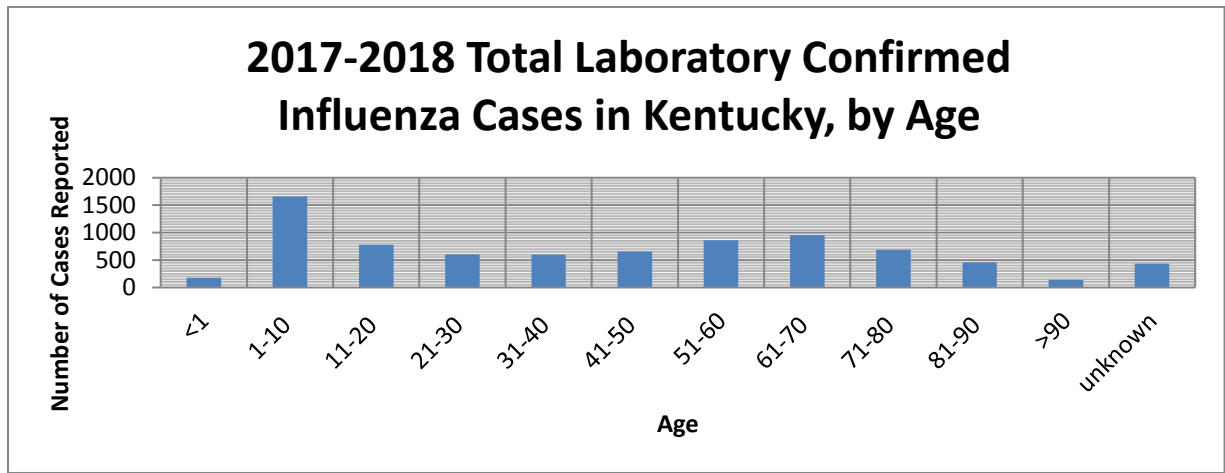
**Confirmed:** Influenza laboratory Confirmed Cases are defined by positive molecular virus (RT-PCR) or Virus Culture test results. Those positive test results are reportable in Kentucky. (Positive results for Rapid Influenza Diagnostic Tests are not included in this report)

Activity Level Range: Sporadic Local Regional Widespread

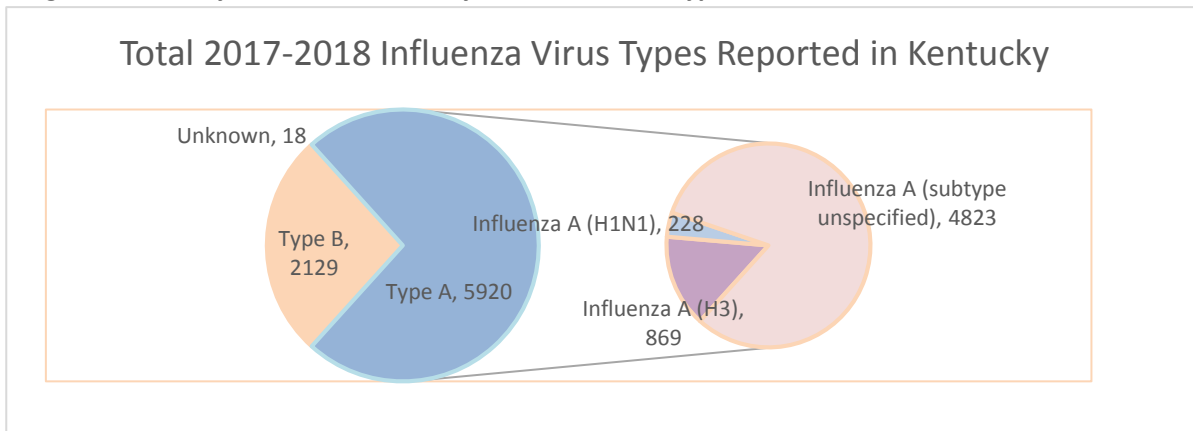
Update for week 8:		Update Total for weeks 36-8:	
<b>Lab Confirmed Influenza:</b>	<b>765 Cases</b>	<b>Lab Confirmed Total:</b>	<b>8,067 Cases</b>
<b>Number of Regions with Long Term Care Facility Outbreaks:</b>	<b>5 of 17 Regions</b>	<b>Total Number of Long Term Care Facility Outbreaks:</b>	<b>108 Outbreaks</b>
<b>Number of Regions with Confirmed Flu Cases:</b>	<b>17 of 17 Regions</b>	<b>Total Number of Regions with Confirmed Flu Cases:</b>	<b>17 of 17 Regions</b>
<b>Deaths Reported:</b>	<b>0 (under 18 years) 13 (18 years &amp; older)</b>	<b>Total Deaths Reported:</b>	<b>4 (under 18 years) 160 (18 years &amp; older)</b>
<b>Number of Regions with Increased ILI Activity:</b>	<b>16 of 17 Regions</b>		
<b>Number of Regions with Increased Influenza Activity (see page 3):</b>	<b>16 of 17 Regions</b>		



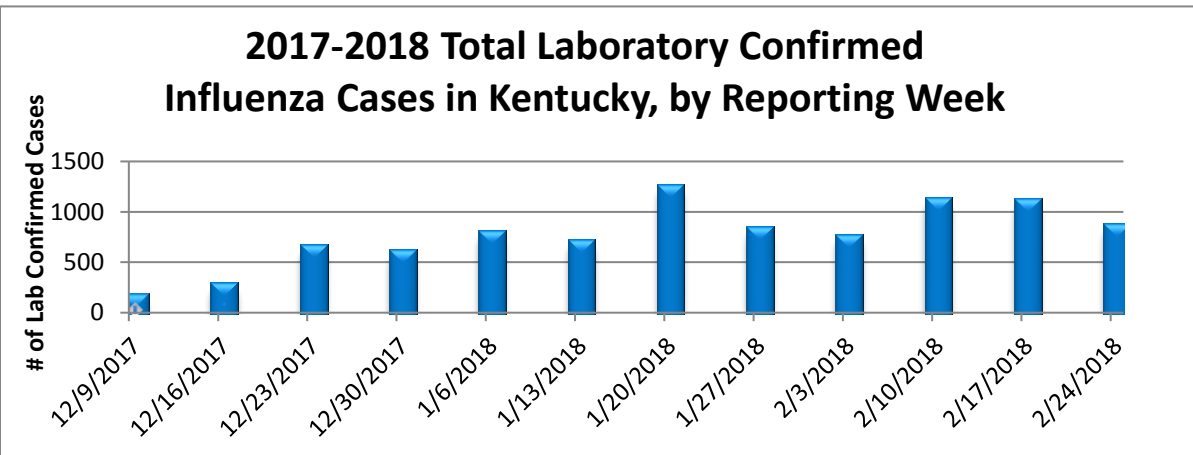
**Fig 1: Laboratory Confirmed Cases by Age**



**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	Deaths Reported	Influenza Outbreaks Reported	Increased ILI Activity Reported	Laboratory Confirmed Influenza Reported	Include Region in Weekly Report for Increased Influenza Activity
Barren River	0/6			Y	144	Y
Big Sandy	0/1	1		Y	56	Y
Bluegrass Region	1/8	4		Y	88	Y
Buffalo Trace / Gateway	0/3			Y	23	Y
Capital Region	4/13			Y	127	Y
Cumberland Valley	0/5	2	2	Y	16	Y
FIVCO	1/3		1	Y	42	Y
Green River	0/4			Y	1	Y
Kentucky River	0/1			Y	40	Y
Lake Cumberland	0/1			Y	21	Y
Lexington - Fayette	2/7	1		Y	38	Y
Lincoln Trail	1/6	2		Y	23	Y
Louisville-Metro	3/20	2		Y	103	Y
North Central	1/2		1	Y	20	Y
Northern KY	4/11	1			9	
Pennyrile	0/2		1	Y	7	Y
Purchase	0/3		1	Y	7	Y
<b>**Total:</b>	17/96 reporting	7/17 regions	5/17 regions	16/17 regions	17/17 regions	16/17 regions

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

Data Source: 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, [February 18, 2018 – February 24, 2018].



National Data  
2017-2018 Influenza Season  
Week 7 ending February 17, 2018

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

*\*Week 8 will be available March 8th and will be attached on the next report.*

## Synopsis:

During week 7 (February 11-17, 2018), influenza activity remained elevated in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus subtype reported by public health laboratories during week 7 was influenza A(H3). The percentage of respiratory specimens testing positive for influenza in clinical laboratories remained elevated.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was above the system-specific epidemic threshold in the National Center for Health Statistics (NCHS) Mortality Surveillance System.
- **Influenza-associated Pediatric Deaths:** Thirteen influenza-associated pediatric deaths were reported.
- **Influenza-associated Hospitalizations:** A cumulative rate of 74.5 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 6.4%, which is above the national baseline of 2.2%. All 10 regions reported ILI at or above region-specific baseline levels. New York City, the District of Columbia, Puerto Rico and 39 states experienced high ILI activity; five states experienced moderate ILI activity; three states experienced low ILI activity; and three states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Puerto Rico and 48 states was reported as widespread; the District of Columbia, Guam and two states reported local activity; and the U.S. Virgin Islands reported no activity.

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

<https://www.cdc.gov/flu/weekly/index.htm>, Retrieved: 3/1/2018.