

Kentucky Department for Public Health Weekly Influenza Surveillance Report Morbidity and Mortality Weekly Report (MMWR) Week 2 January 7, 2018– January 13, 2018



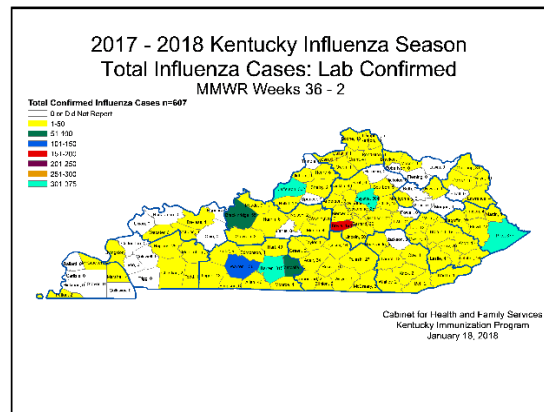
Current Influenza Activity Level: **Widespread for Fifth Consecutive Week**

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 2:		Update Total for weeks 36-2:	
Lab Confirmed Influenza:	607 Cases	Lab Confirmed Total:	2716 Cases
Number of Regions with Long Term Care Facility Outbreaks:	8 of 17 Regions	Total Number of Long Term Care Facility Outbreaks:	58 Outbreaks
Number of Regions with Confirmed Flu Cases:	17 of 17 Regions	Total Number of Regions with Confirmed Flu Cases:	17 of 17 Regions
Deaths Reported:	0 (under 18 years) 16 (18 years & older)	Total Deaths Reported:	2 (under 18 years) 38 (18 years & older)
Number of Regions with Increased ILI Activity:	17 of 17 Regions		
Number of Regions with Increased Influenza Activity (see page 3):	17 of 17 Regions		



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Fig 1: Laboratory Confirmed Cases by Age

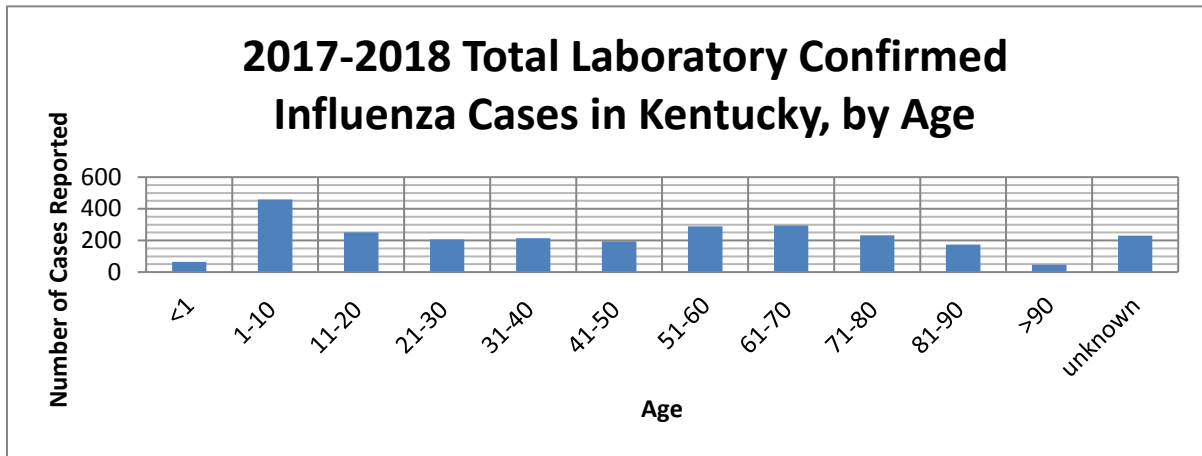


Fig 2: Laboratory Confirmed Cases by Influenza Virus Types

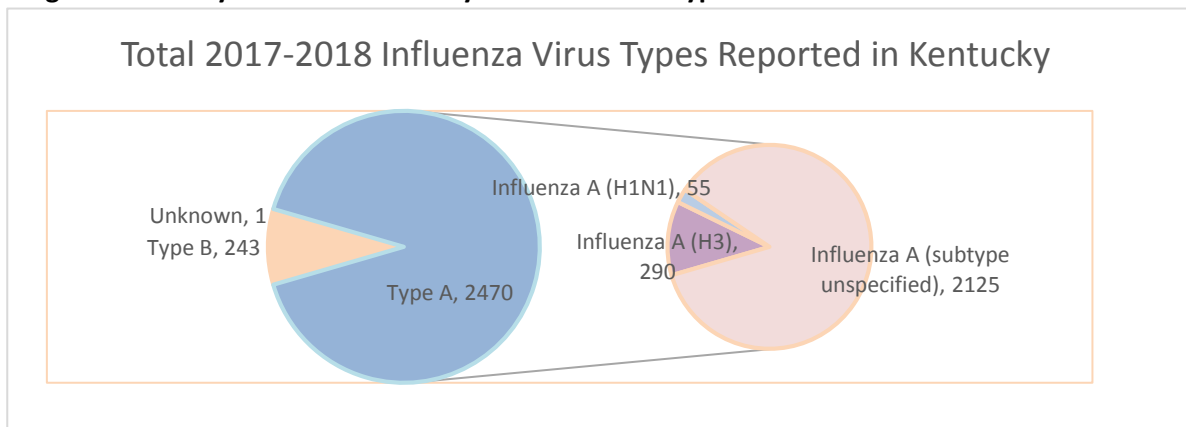
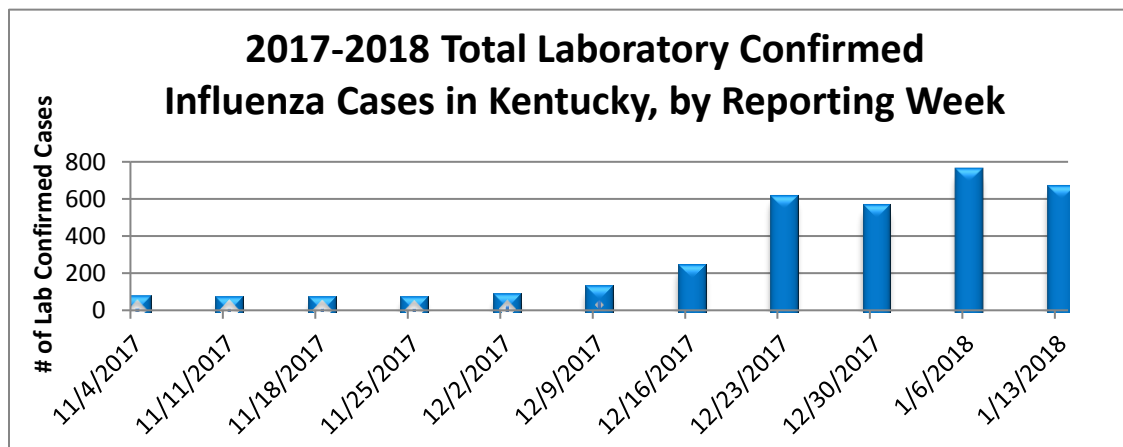


Fig 3: 2017-2018 Total Laboratory Confirmed Influenza Cases in Kentucky, by Reporting Week



*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	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	1	1	Y	307	Y
Big Sandy	0/1			Y	18	Y
Bluegrass Region	3/8			Y	78	Y
Buffalo Trace / Gateway	0/3		2	Y	1	Y
Capital Region	3/13		1	Y	6	Y
Cumberland Valley	0/5		3	Y	7	Y
FIVCO	1/3	1	1	Y	15	Y
Green River	1/4			Y	1	Y
Kentucky River	0/1	2		Y	6	Y
Lake Cumberland	0/1	4		Y	8	Y
Lexington - Fayette	3/7			Y	76	Y
Lincoln Trail	1/6	1	4	Y	43	Y
Louisville-Metro	3/20	2		Y	19	Y
North Central	1/2	1		Y	8	Y
Northern KY	2/11	3		Y	11	Y
Pennyrile	0/2	1	1	Y	2	Y
Purchase	0/3		1	Y	1	Y
**Total:	18/94 reporting	9/17 regions	8/17 regions	17/17 regions	17/17 regions	17/17 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, [January 7, 2018 – January 13, 2018].



National Data
2017-2018 Influenza Season
Week 1 ending January 6, 2018

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

**Week 2 will be available January 25th and will be attached on the next report.*

Synopsis:

During week 1 (December 31, 2017-January 6, 2018), influenza activity increased in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus subtype reported by public health laboratories during week 1 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 at the system-specific epidemic threshold in the National Center for Health Statistics (NCHS) Mortality Surveillance System.
- **Influenza-associated Pediatric Deaths:** Seven influenza-associated pediatric deaths were reported.
- **Influenza-associated Hospitalizations:** A cumulative rate of 22.7 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 5.8%, which is above the national baseline of 2.2%. All 10 regions reported ILI at or above region-specific baseline levels. New York City and 26 states experienced high ILI activity; Puerto Rico and 10 states experienced moderate ILI activity; the District of Columbia and six states experienced low ILI activity; and eight states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in 49 states was reported as widespread; Guam and one state reported regional activity; the District of Columbia reported local activity; the U.S. Virgin Islands reported sporadic activity; and Puerto Rico did not report.

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

<https://www.cdc.gov/flu/weekly/index.htm>, Retrieved: 1/18/2018.