

Kentucky Department for Public Health Weekly Influenza Surveillance Report Morbidity and Mortality Weekly Report (MMWR) Week 51 December 17– December 23, 2017



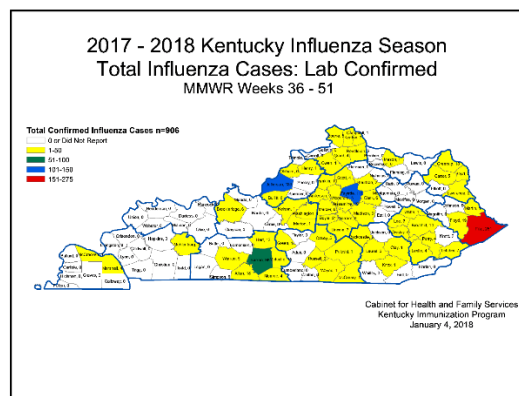
Current Influenza Activity Level: **Widespread for Second Consecutive Week**

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 51:		Update Total for weeks 36-51:	
Lab Confirmed Influenza:	556 Cases	Lab Confirmed Total:	906 Cases
Number of Regions with Long Term Care Facility Outbreaks:	6 of 17 Regions	Total Number of Long Term Care Facility Outbreaks:	13 Outbreaks
Number of Regions with Confirmed Flu Cases:	13 of 17 Regions	Total Number of Regions with Confirmed Flu Cases:	15 of 17 Regions
Deaths Reported:	0 (under 18 years) 10 (18 years & older)	Total Deaths Reported:	0 (under 18 years) 11 (18 years & older)
Number of Regions with Increased ILI Activity:	17 of 17 Regions		
Number of Regions with Increased Influenza Activity (see page 3):	13 of 17 Regions		



Kentucky Department for Public Health
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Fig 1: Laboratory Confirmed Cases by Age

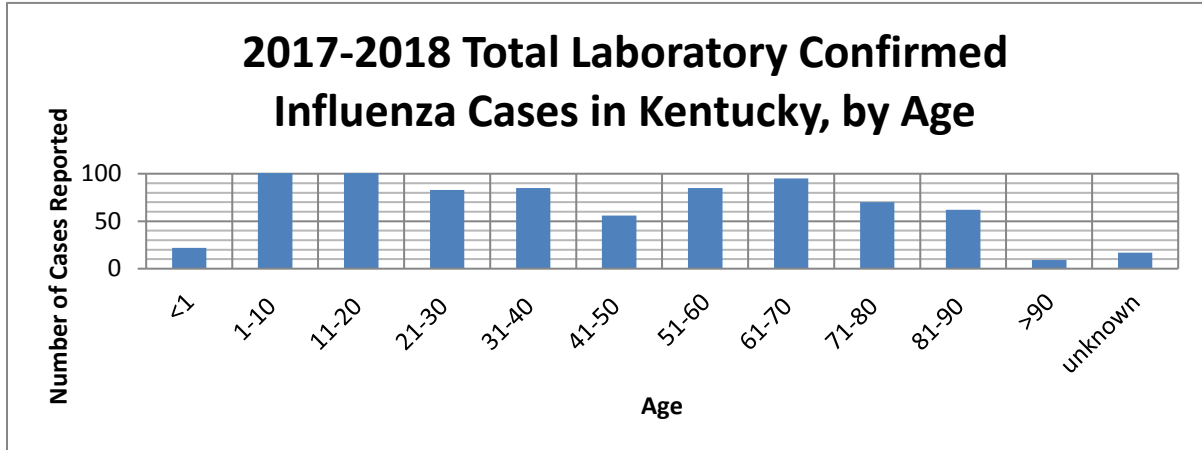


Fig 2: Laboratory Confirmed Cases by Influenza Virus Types

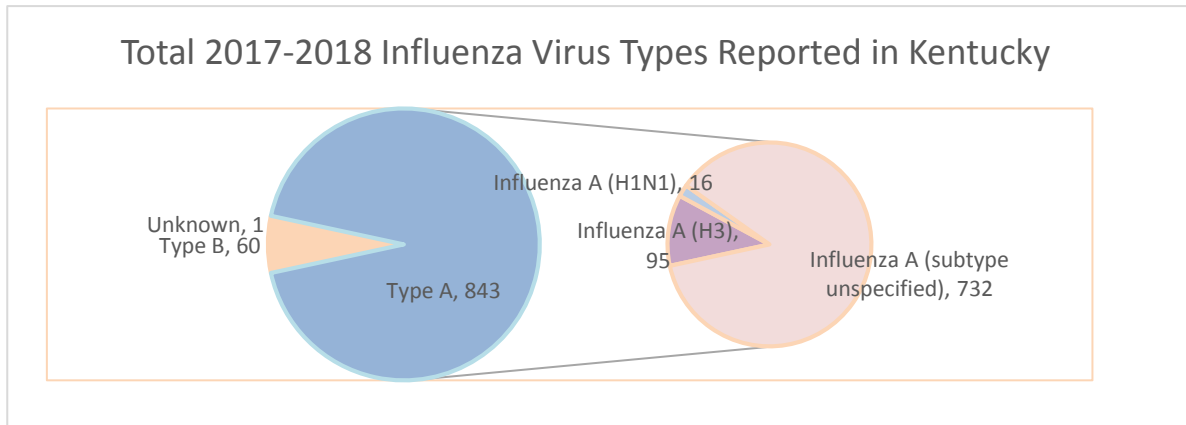
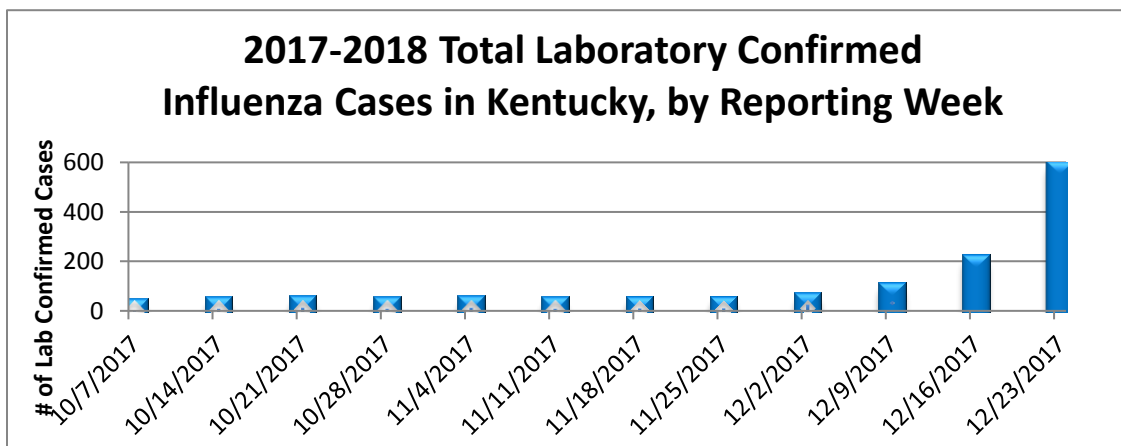


Fig 3: 2017-2018 Total Laboratory Confirmed Influenza Cases in Kentucky, by Reporting Week



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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	1	X	152	X
Big Sandy	0/1	1	X	168	X
Bluegrass Region	2/8		X	46	X
Buffalo Trace / Gateway	1/3		X		
Capital Region	5/13		X	20	X
Cumberland Valley	0/5		X	1	X
FIVCO	1/3		X	16	X
Green River	0/4		X		
Kentucky River	0/1		X	14	X
Lake Cumberland	0/1		X	10	X
Lexington - Fayette	1/7	1	X	42	X
Lincoln Trail	2/6		X		
Louisville-Metro	4/20	1	X	71	X
North Central	2/2	1	X	3	X
Northern KY	3/11		X	9	X
Pennyrile	0/2		X		
Purchase	0/3	1	X	4	X
**Total:	22/94	6/17 regions	17/17 regions	13/17 regions	13/17 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 17 – December 23, 2017].



National Data
2017-2018 Influenza Season
Week 50 ending December 16, 2017

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

**Week 51 will be available January 4th and will be attached on the next report.*

Synopsis:

During week 50 (December 10-16, 2017), influenza activity sharply increased in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus subtype reported by public health laboratories during week 50 was influenza A(H3). The percentage of respiratory specimens testing positive for influenza in clinical laboratories increased.
- **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.
- **Influenza-associated Hospitalizations:** A cumulative rate of 6.2 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 3.5%, which is above the national baseline of 2.2%. Nine of the 10 regions reported ILI at or above region-specific baseline levels. Ten states experienced high ILI activity; Puerto Rico and eight states experienced moderate ILI activity; New York City, the District of Columbia, and 11 states experienced low ILI activity; and 21 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in 23 states was reported as widespread; Puerto Rico and 23 states reported regional activity; the District of Columbia and four states reported local activity; the U.S. Virgin Islands 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: 1/3/2018.