

Kentucky Department for Public Health Weekly Influenza Surveillance Report Morbidity and Mortality Weekly Report (MMWR) Week 9 February 25, 2018 – March 3, 2018



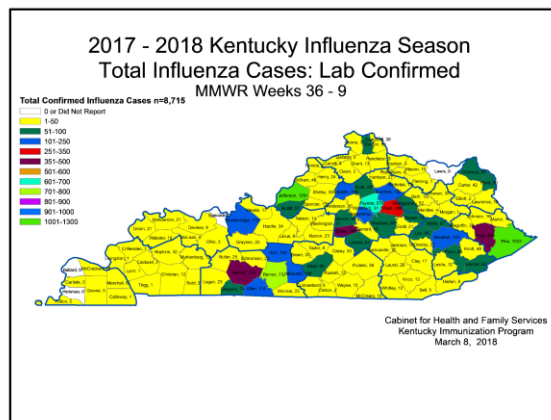
Current Influenza Activity Level: †Regional

†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 9:		Update Total for weeks 36-9:	
Lab Confirmed Influenza:	648 Cases	Lab Confirmed Total:	8,715 Cases
Number of Regions with Long Term Care Facility Outbreaks:	1 of 17 Regions	Total Number of Long Term Care Facility Outbreaks:	109 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) 33 (18 years & older)	Total Deaths Reported:	4 (under 18 years) 193 (18 years & older)
Number of Regions with Increased ILI Activity:	1 of 17 Regions		
Number of Regions with Increased Influenza Activity (see page 3):	2 of 17 Regions		



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Fig 1: Laboratory Confirmed Cases by Age

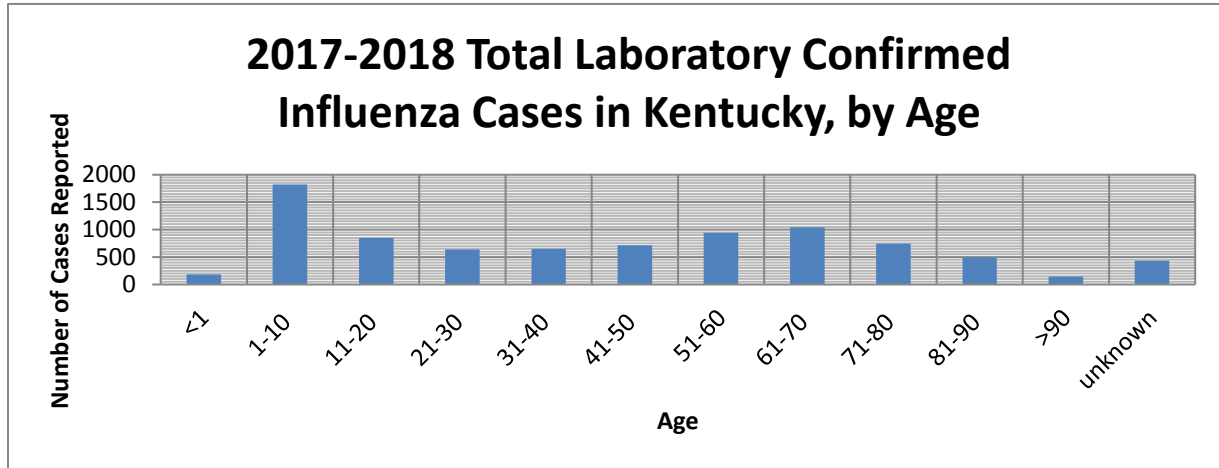


Fig 2: Laboratory Confirmed Cases by Influenza Virus Types

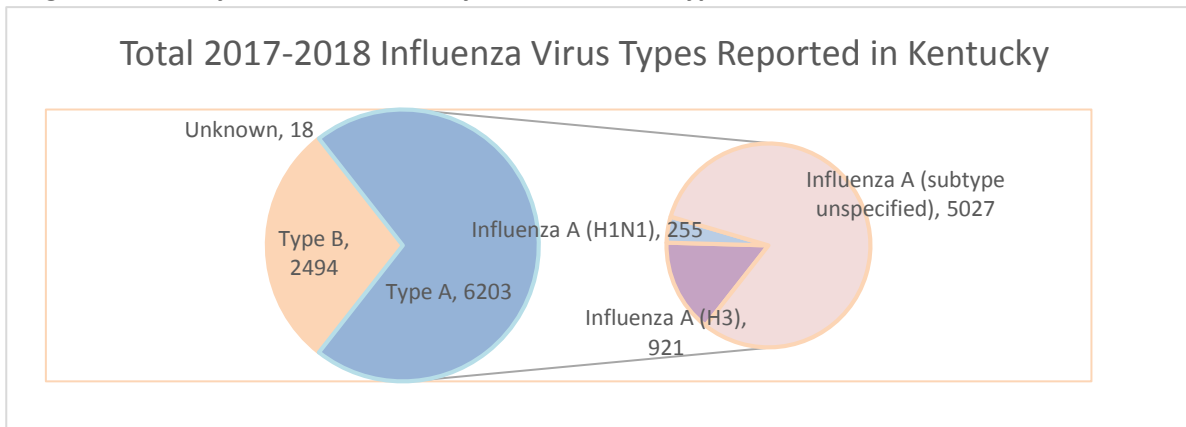
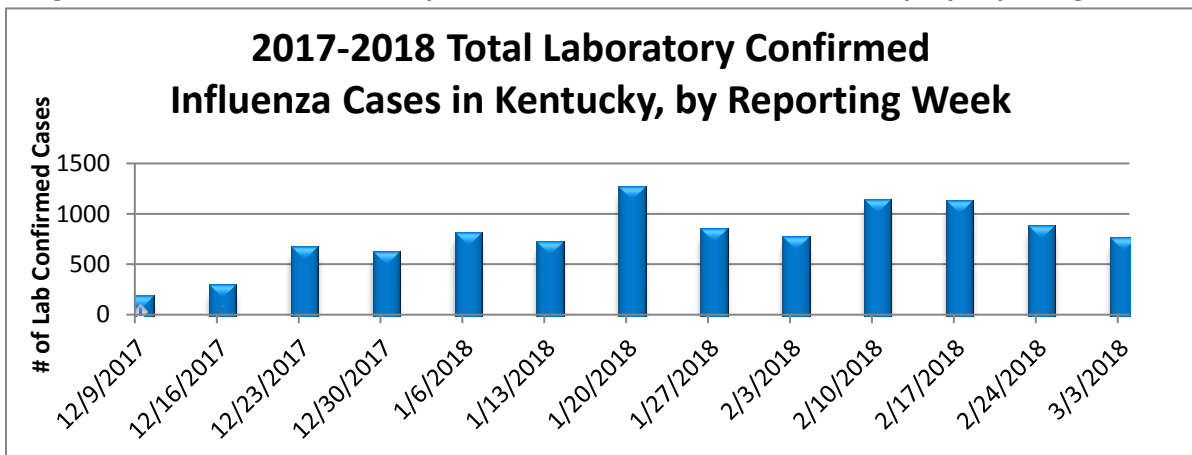


Fig 3: 2017-2018 Total Laboratory Confirmed Influenza Cases in Kentucky, by Reporting Week



*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	1/6	3	1		101	Y
Big Sandy	0/1	1			108	
Bluegrass Region	2/8				71	
Buffalo Trace / Gateway	0/3	1		Y	34	Y
Capital Region	5/13	3			103	
Cumberland Valley	0/5	1			13	
FIVCO	1/3				5	
Green River	0/4	1			1	
Kentucky River	0/1	2			65	
Lake Cumberland	1/1	1			21	
Lexington - Fayette	0/7	1			17	
Lincoln Trail	0/6	1			43	
Louisville-Metro	3/20				45	
North Central	1/2	4			5	
Northern KY	4/11	8			4	
Pennyryle	0/2	6			9	
Purchase	0/3				3	
**Total:	18/96 reporting	13/17 regions	1/17 regions	1/17 regions	17/17 regions	2/17 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 25, 2018 – March 3, 2018].



National Data
2017-2018 Influenza Season
Week 8 ending February 24, 2018

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

**Week 8 will be available March 15th and will be attached on the next report.*

Synopsis:

During week 8 (February 18-24, 2018), influenza activity decreased in the United States.

- **Viral Surveillance:** While influenza A(H3) viruses continue to be predominant this season, during week 8 the overall proportion of influenza A viruses is declining and the proportion of influenza B viruses is increasing. The percentage of respiratory specimens testing positive for influenza in clinical laboratories decreased.
- **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:** Seventeen influenza-associated pediatric deaths were reported.
- **Influenza-associated Hospitalizations:** A cumulative rate of 81.7 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 5.0%, 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, and 32 states experienced high ILI activity; Puerto Rico and nine states experienced moderate ILI activity; six 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 45 states was reported as widespread; Guam and two states reported regional activity; the District of Columbia and three 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: 3/8/2018.