



# PHILLY FLU FINDINGS

Philadelphia Department of Public Health  
 Seasonal Influenza Surveillance Report  
 Week 15: April 9-15, 2017

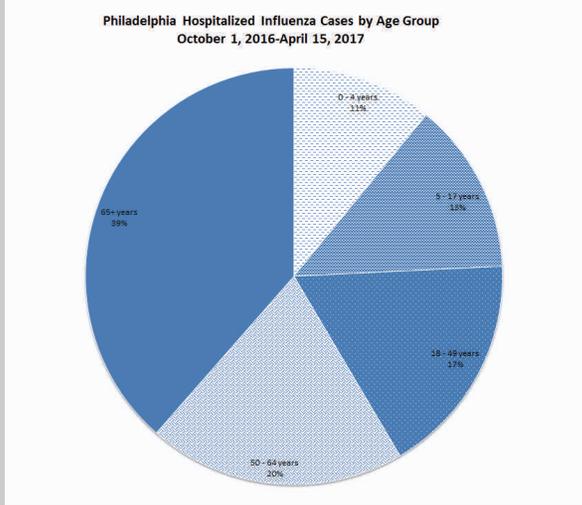
## Philadelphia Influenza Activity

Please note these data are provisional and subject to change.

There were 34 cases of severe influenza (Philadelphia resident, positive by rapid test, PCR or culture, and hospitalized for ≥ 24 hrs.) in Philadelphia during week 15. Influenza A activity has reached baseline levels (data not shown). However, Influenza B activity still remains elevated. Influenza-like illnesses (ILI) at emergency departments slightly increased for week 15. There have been a total of 30 outbreaks (≥ 1 case of laboratory confirmed influenza) in long-term care facilities for the 2016-2017 season. Seventeen influenza-associated deaths have been reported for the season. No pediatric influenza-associated deaths have been reported.

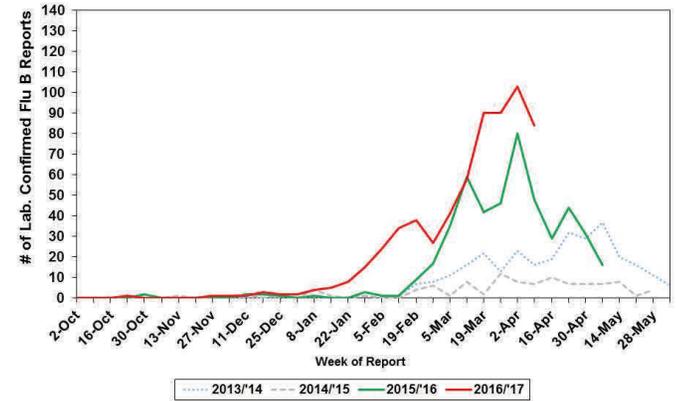
Surveillance type	Compared to week of 4/2-4/8	Compared to 3-yr seasonal mean
Hospital ED Fever/flu visits	—	—
Pediatric Clinics ILI	NR	NR
Laboratory Influenza Surveillance	—	—

↑ = above 10 % of comparison group  
 — = equivalent to comparison group (-10% to +10%)  
 ↓ = below 10 % of comparison group  
 NR = data not reported



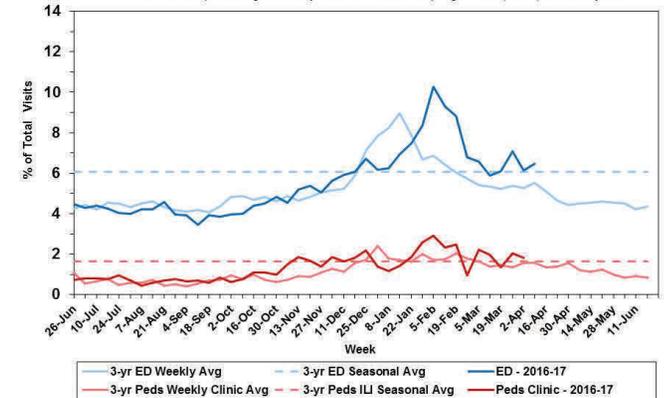
## Laboratory-Based Surveillance for Influenza B Philadelphia, 2013/2014 through 2016/2017 Seasons\*

\*Based on select hospital laboratories participating in surveillance across respiratory virus seasons



## Influenza-like Illness at Philadelphia Emergency Departments and Pediatric Ambulatory Clinics, 2016-17 Data Compared to 3-Year Historical Weekly\* and Seasonal\*\* Averages

\*Weekly average of values from 2011, 2013, and 2014 years  
 \*\*Overall sample average of weekly data from winters & springs of 2011, 2013, and 2014 years



## Pennsylvania

Flu activity has peaked and continues to decline for week 15. The flu activity code is “regional.” The highest flu activity was reported in the southeast region of the state. From 10/02/16 to 4/15/17, there were 68,167 flu cases (positive by rapid test, PCR, or culture). There were 49,974 (73.2%) Influenza A cases, 17,952 (26.3%) Influenza B cases and 241 (0.4%) unknown cases. 563 cases made up the season-to-date influenza sub-typing results from state public health labs. Influenza A/H3 made up 86.1% of the positive cases followed by Influenza B/Victoria (6.0%) and other (7.9%). Three influenza-associated deaths were reported this week bringing the total count to 137 for the 2016-2017 flu season, including three pediatric influenza-associated deaths.

## United States

Flu activity decreased in the U.S. during week 15. The percentage of respiratory specimens that tested positive for influenza in clinical laboratories decreased. 17,866 specimens were tested at clinical laboratories and 2,249 (12.6%) specimens tested positive for influenza. 648 (28.8%) specimens tested positive for Influenza A and 1,601 (71.2%) specimens tested positive for Influenza B. 836 specimens were tested at public health labs and 337(40.3%) specimens tested positive. Influenza B was the most frequently identified influenza virus that was reported by public health labs. The majority of recently circulating influenza viruses are susceptible to oseltamivir, zanamivir, and peramivir, although, rare sporadic instances of oseltamivir-resistant and peramivir-resistant influenza A (H1N1) pdm09 viruses and oseltamivir-resistant influenza A (H3N2) viruses have been detected worldwide. The proportion of deaths due to pneumonia and influenza was below the NCHS system-specific epidemic threshold. Five influenza-associated pediatric deaths were reported to CDC during week 15, bringing the total count to 77 for the 2016-2017 flu season. Between 10/01/16 and 4/15/17, a cumulative rate of 60.9 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. The proportion of people visiting their health care provider for influenza-like illness (ILI) was 2.0%, which is below the national baseline of 2.2%. Two states experienced moderate ILI activity. New York City and three states experienced low ILI activity. Delaware, New Jersey, Pennsylvania and 42 other states experienced minimal ILI activity. Ten states, including Delaware and New Jersey, reported that the geographic spread of influenza was widespread. New Jersey, Pennsylvania and 13 other states reported regional influenza activity. Washington, DC and 19 states reported local influenza activity. Six states reported sporadic activity.

**All institutional outbreaks and hospitalized and fatal cases of influenza are to be reported to PDPH.**

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