



PHILLY FLU FINDINGS

Philadelphia Department of Public Health
 Seasonal Influenza Surveillance Report
 Week 3: January 15-21, 2017

Philadelphia Influenza Activity

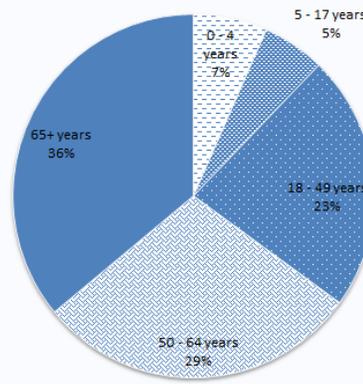
Please note these data are provisional and subject to change.

There were 58 cases of influenza (Philadelphia resident, positive by rapid test, PCR or culture, and hospitalized for \geq 24 hrs.) in Philadelphia during week 3. Among select hospital laboratories, influenza A percent positivity increased compared with the previous week. Influenza-like illnesses at emergency departments and pediatric ambulatory clinics also increased for week 3. There was 1 influenza outbreak (\geq 1 case of laboratory confirmed influenza) in a long-term care facility this week bringing the total count to 9 for the 2016-2017 flu season. One influenza-associated death has been reported this season.

Surveillance type	Compared to week of 1/8-1/14	Compared to 3-yr seasonal mean
Hospital ED Fever/flu visits	↑	↑
Pediatric Clinics ILI	↑	—
Laboratory Influenza Surveillance	↑	↑

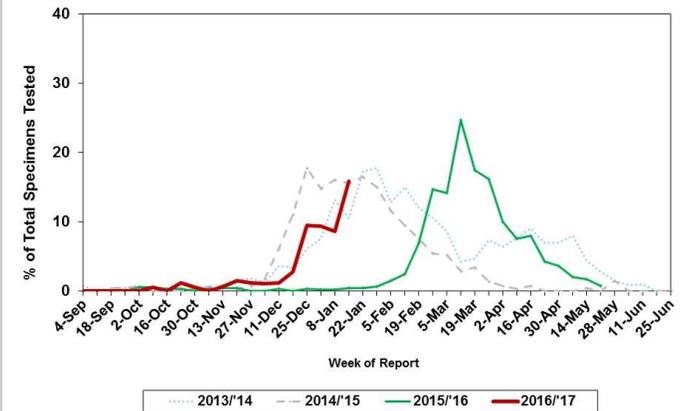
↑ = above 10 % of comparison group
 — = equivalent to comparison group (-10% to +10%)
 ↓ = below 10 % of comparison group

Philadelphia Hospitalized Influenza Cases by Age Group
 September 1, 2016- January 21, 2017



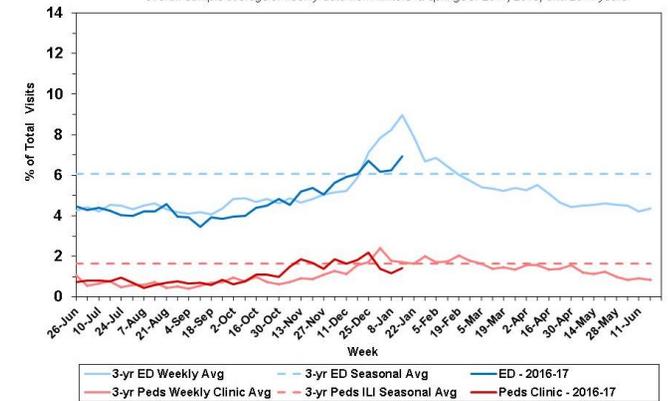
Laboratory-Based Surveillance for Influenza A (%): Philadelphia, 2013/2014 through 2016/2017 Seasons*

*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 is widespread and continues to increase in Pennsylvania (PA) for week 3. The highest flu activity was reported in the southwest region of the state. From 10/02/16 to 1/21/17, there were 14,932 flu cases (positive by rapid test, PCR, or culture). There were 12,918 (86.5%) Influenza A cases, 1,945 (13.0%) Influenza B cases and 69 (0.5%) unknown cases. 268 cases made up the season-to-date influenza sub-typing results from state public health labs. Influenza A/H3N2 made up 84.7% of the positive cases followed by Influenza B/Victoria (9.0%) and other (6.3%). Nine influenza-associated deaths were reported this week bringing the total count to 23 for the 2016-2017 flu season. No pediatric influenza-associated deaths have been reported.

United States

Flu activity increased in the U.S. during week 3. The percentage of respiratory specimens that tested positive for influenza in clinical laboratories increased. 26,135 specimens were tested at clinical laboratories and 4,813 (15.3%) specimens tested positive for influenza. 4,306 (89.5%) specimens tested positive for Influenza A and 507 (10.5%) specimens tested positive for Influenza B. 2,096 specimens were tested at public health laboratories and 1,150 specimens tested positive. There were 1,072 (93.2%) positive Influenza A specimens and 78 (6.8%) positive Influenza B specimens. Influenza A/H3N2 was the most frequently identified influenza virus that was reported by public health labs with 980 (91.4%) positive tests. No viruses were resistant to oseltamivir, zanamivir and peramivir. Three influenza-associated pediatric deaths were reported to CDC during week 3, bringing the total count to 8 for the 2016-2017 flu season. The proportion of deaths attributed to pneumonia and influenza was above the system-specific epidemic threshold in the National Center for Health Statistics Mortality Surveillance System. Between October 1, 2016 and January 21, 2017, a rate of 15.4 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 3.4%, which is above the national baseline of 2.2%. New York City, New Jersey (NJ) and 9 states experienced high ILI activity. 10 states experienced moderate ILI activity. 17 states, including PA, experienced low ILI activity. Delaware (DE) and 12 states experienced minimal ILI activity. 36 states, including DE, NJ and PA, reported widespread influenza activity. 12 states reported regional influenza activity. Washington, DC and Indiana reported local influenza activity. DE had 107 laboratory-confirmed cases of flu. NJ had 31 cases of Influenza A/H3N2 and 4 cases of Influenza B.

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

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