



PHILLY FLU FINDINGS

Philadelphia Department of Public Health
 Seasonal Influenza Surveillance Report
 Week 7: February 12-18, 2017

Philadelphia Influenza Activity

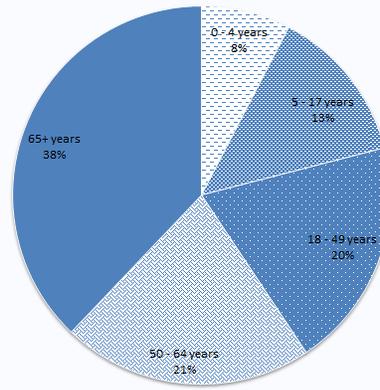
Please note these data are provisional and subject to change.

There were 86 cases of influenza (Philadelphia resident, positive by rapid test, PCR or culture, and hospitalized for ≥ 24 hrs.) in Philadelphia during week 7. Among select hospital laboratories, influenza A percent positivity slightly decreased compared with the previous week. Influenza-like illnesses at emergency departments and pediatric ambulatory clinics also decreased for week 7 but still remain elevated. There were 4 influenza outbreaks (≥ 1 case of laboratory confirmed influenza) in long-term care facilities this week, resulting in a total of 21 for the 2016-2017 flu season. Six influenza-associated deaths have been reported for the season. No pediatric influenza-associated deaths have been reported.

Surveillance type	Compared to week of 2/5-2/11	Compared to 3-yr seasonal mean
Hospital ED Fever/flu visits	↓	↑
Pediatric Clinics ILI	↓	↑
Laboratory Influenza Surveillance	—	↑

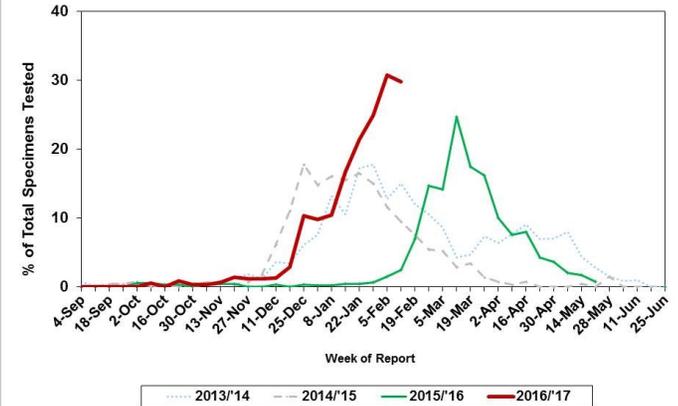
↑ = above 10 % of comparison group
 — = equivalent to comparison group (-10% to +10%)
 ↓ = below 10 % of comparison group

Philadelphia Hospitalized Influenza Cases by Age Group
 September 1, 2016- February 18, 2017



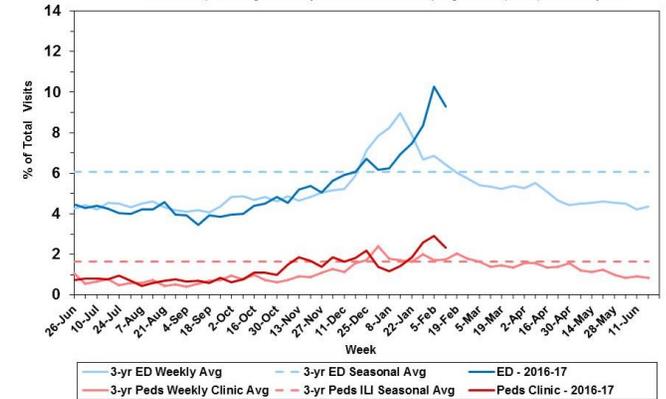
Laboratory-Based Surveillance for Influenza A (%): Philadelphia, 2013/2014 through 2016/2017 Seasons*

*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 be high in Pennsylvania for week 7. The highest flu activity was reported in the southeast region of the state. From 10/02/16 to 2/18/17, there were 40,494 flu cases (positive by rapid test, PCR, or culture). There were 34,222 (84.5%) Influenza A cases, 6,127 (15.1%) Influenza B cases and 145 (0.4%) unknown cases. 416 cases made up the season-to-date influenza sub-typing results from state public health labs. Influenza A/H3 made up 85.1% of the positive cases followed by Influenza B/Victoria (6.5%), other (4.3%) and Influenza A (4.1%). Thirteen influenza-associated deaths were reported this week bringing the total count to 64 for the 2016-2017 flu season, including two pediatric influenza-associated deaths.

United States

Flu activity decreased slightly but remained elevated in the U.S. during week 7. The percentage of respiratory specimens that tested positive for influenza in clinical laboratories slightly decreased as well. 34,517 specimens were tested at clinical laboratories and 8,272 (24.0%) specimens tested positive for influenza. 6,506 (78.7%) specimens tested positive for Influenza A and 1,766 (21.3%) specimens tested positive for Influenza B. 2,196 specimens were tested at public health labs and 1,247 specimens tested positive. There were 1,044 (83.7%) positive Influenza A specimens and 203 (16.3%) positive Influenza B specimens. Influenza A/H3 was the most frequently identified influenza virus that was reported by public health labs with 974 (93.3%) positive tests. No viruses were resistant to oseltamivir, zanamivir and peramivir. Five influenza-associated pediatric deaths were reported to CDC during week 6, bringing the total count to 29 for the 2016-2017 flu season. Three of the deaths can be attributed to Influenza A/H3. Between 10/1/16 and 2/18/17, a rate of 33.7 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 4.8%, which is above the national baseline of 2.2%, but a decrease from the week prior. New Jersey, Pennsylvania and 25 states experienced high ILI activity. New York City and 5 states experienced moderate ILI activity. Ten states experienced low ILI activity. Delaware and 7 states experienced minimal ILI activity. Forty-four states, including Delaware, New Jersey and Pennsylvania reported widespread influenza activity. Four states reported regional influenza activity. Washington, DC reported local influenza activity. Delaware had 385 laboratory-confirmed cases of flu. New Jersey had 54 cases of Influenza A/H3N2 and an increase in Influenza B with 44 cases.

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

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