



Philadelphia Department of Public Health Seasonal Influenza Surveillance Report January 4 – January 10, 2015 (Week 1)

Philadelphia Influenza Activity

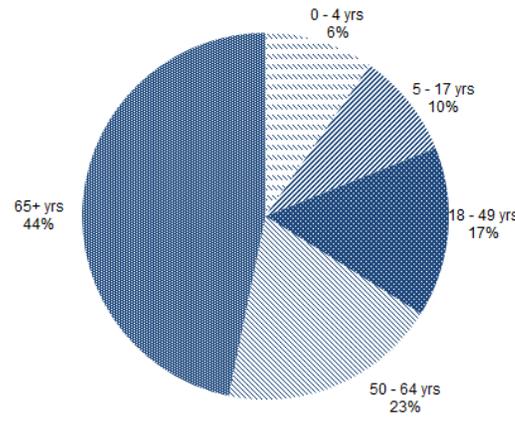
Please note these data are provisional and subject to change.

Influenza activity in Philadelphia appears to be declining, as 86 influenza-associated hospitalizations from local hospitals were reported for the week of January 4 – January 10, 2015 (down from 112 from the previous week). During the same week, 181 reports of laboratory-confirmed influenza A were detected at our 6 participating clinical laboratories. Influenza-like illness (ILI) activity at emergency departments and pediatric ambulatory clinics declined compared to the previous week, but ED ILI activity was elevated when compared to the week-specific 3 year historical average. Fifteen outbreaks of influenza have been reported in long term care facilities. *PDPH requests that any influenza cases presenting with parotitis be specifically reported. Due to low vaccine effectiveness this season, providers are reminded to treat all hospitalized and high-risk patients suspected to have influenza with antiviral medicine.*

Surveillance type	Compared to week of 12/28– 1/3	Compared to 3-yr seasonal* mean
Hospital ED Fever/flu visits	—	↑
Pediatric Clinics ILI	↓	—
Laboratory Influenza Surveillance	↓	↑

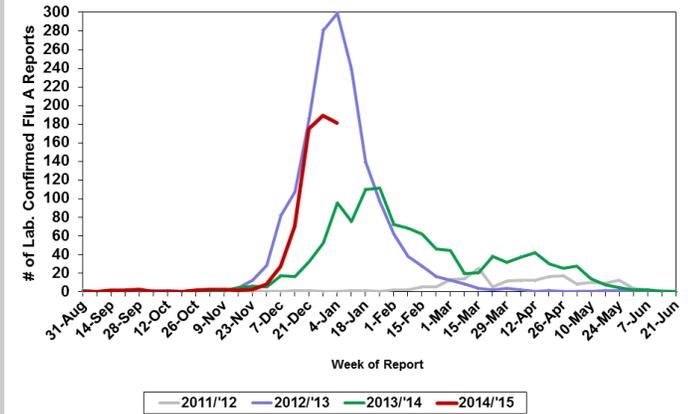
↑ = above 10 % of comparison group
 — = equivalent to comparison group (-10% to +10%)
 ↓ = below 10 % of comparison group
 * mean of 2007-'08, 2008-'09, and 2010-'11 flu seasons

Philadelphia Hospitalized Influenza Cases by Age, N=280



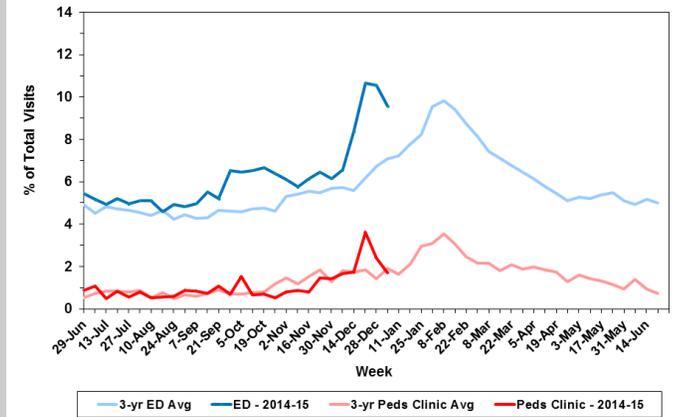
Laboratory-Based Surveillance for Influenza A: Philadelphia, 2011/2012 through 2014/2015 Seasons*

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



Influenza-like Illness at Philadelphia Emergency Departments and Pediatric Ambulatory Clinics, 2014-15 Data compared to 3-Year Historical Averages*

*Average of 2007, 2008, and 2011 years



Pennsylvania

Influenza activity was categorized as widespread during week 1 in Pennsylvania. A total of 25,201 cases of influenza (positive by any test type) have been reported as of January 10, 2015. A majority (92.77%) of the cases sub-typed at the state public health lab thus far this season have been associated with influenza A/H3 and 7.23% have been classified as other sub-types. A total of 71 influenza-associated deaths have occurred in Pennsylvania (outside of Philadelphia), of which one was among the ages of 10-18 and 25-49, six were among the ages of 50-64, and 63 were among people greater than 65 years of age.

United States

During week 1, influenza activity continued at elevated levels in the U.S. Nationwide, 4.4% of outpatient visits were due to ILI, which is above the national baseline (2.0%). Widespread activity was reported by Guam and 46 states, including Pennsylvania, Delaware, New Jersey, and New York. Puerto Rico, the U.S. Virgin Islands and three states reported regional influenza activity. Local activity was reported by the District of Columbia and Hawaii. Of the 26,204 specimens tested and reported by WHO/NREVSS collaborating laboratories during week 1, 5,284 (20.2%) were positive for influenza, of which 5,051 (95.6%) were influenza A and 233 (4.4%) were influenza B. Of the 5,051 positive influenza A specimens, 7 (0.1%) were categorized as 2009 H1N1, while 1,868 (37.0%) were H3. Subtyping was not performed on the other 3,176 (62.9%) specimens. All recently circulating influenza viruses have been susceptible to the neuraminidase inhibitor antiviral medications; however, rare sporadic instances of oseltamivir-resistant A(H1N1)pdm09 and A(H3N2) viruses have been detected worldwide. Of all deaths reported during week 1, 8.5% were due to pneumonia and influenza, which is above the epidemic threshold for week 1 7.0%. A total of 45 pediatric deaths have been reported for the 2014-2015 season from 13 states.

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

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 Reporting requirements and forms are posted online at hip.phila.gov