



Philadelphia Department of Public Health Seasonal Influenza Surveillance Report March 22 – March 28, 2015 (Week 12)

Philadelphia Influenza Activity

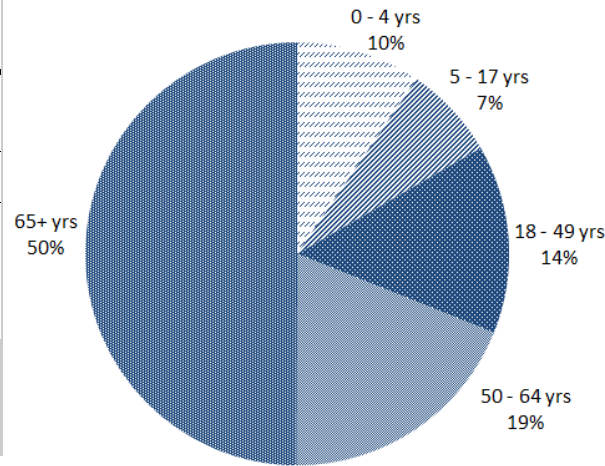
Please note these data are provisional and subject to change.

Influenza activity in Philadelphia continues to decrease as 9 influenza-associated hospitalizations from local hospitals were reported for the week of March 22-28, 2015. During the same week, 10 reports of laboratory-confirmed influenza A were detected at our 6 participating clinical laboratories, a decline from the previous week. Influenza-like illness (ILI) activity at emergency departments remained unchanged while ILI activity at pediatric outpatient clinics increased compared to the previous week. Forty-five outbreaks of influenza have been reported in long term care facilities. Two influenza-associated pediatric mortalities occurred in Philadelphia, one in week 4 and one in week 5. *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 3/15– 3/21	Compared to 3-yr seasonal* mean
Hospital ED Fever/flu visits	—	↓
Pediatric Clinics ILI	↑	—
Laboratory Influenza Surveillance	↓	↓

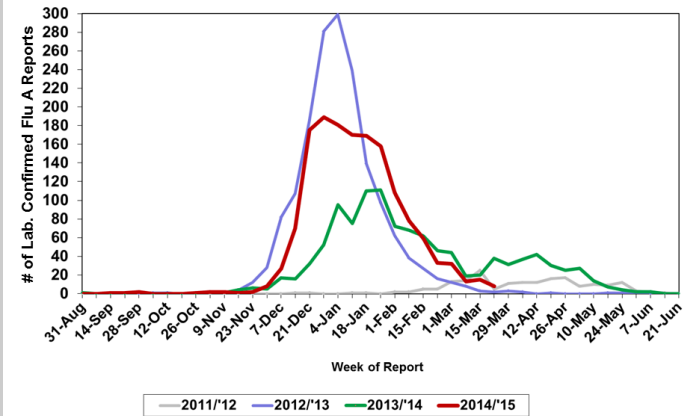
↑ = above 10 % of comparison group
 — = equivalent to comparison group (-10% to +10%)
 ↓ = below 10 % of comparison group
 * mean of 2007-'08, 2008-'09, and 2010-'11 flu seasons

Philadelphia Hospitalized Influenza Cases by Age, N=953



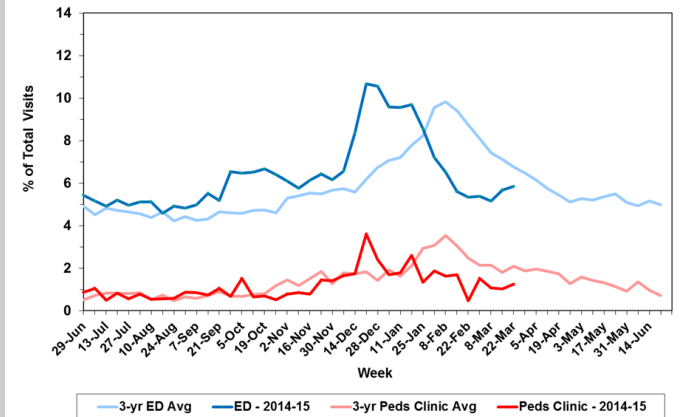
Laboratory-Based Surveillance for Influenza A: Philadelphia, 2011/2012 through 2014/2015 Seasons*

*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

Data for Pennsylvania for the week of March 22-March 28 was unavailable. A total of 52,050 cases of influenza (positive by any test type) have been reported as of March 21, 2015. A majority (91.9%) of the cases sub-typed at the state public health lab thus far this season have been associated with influenza A/H3, 4.6% have been classified as B/Yamagata, and 3.4% have been classified as other sub-types. A total of 204 influenza-associated deaths have occurred in Pennsylvania. Of the 204 influenza-associated deaths in PA, three were among the ages of 0-18, six were among the ages of 19-49, 20 were among the ages of 50-64, and 175 were among people greater than 65 years of age. Twenty-one deaths with positive influenza tests have been reported in Philadelphia as of March 21, 2015.

United States

During week 12 influenza activity continued to decrease, but remained elevated in the U.S. Nationwide, 2.0% of outpatient visits were due to ILI, which is at the national baseline (2.0%). Widespread activity was reported by four states, including New Jersey and New York. The U.S. Virgin Islands and 20 states reported regional influenza activity. Local activity was reported by Guam, Puerto Rico and 22 states, including Delaware. The District of Columbia and four states reported sporadic activity. Of the 12,014 specimens tested and reported by WHO/NREVSS collaborating laboratories during week 12, 1,300 (10.8%) were positive for influenza, of which 257 (19.8%) were influenza B. Of the 257 positive influenza A specimens, 3 (1.2%) were categorized as 2009 H1N1, while 99 (38.5%) were H3. Subtyping was not performed on the other 155 (60.3%) specimens. In the U.S., the vast majority of 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 12, 6.9% were due to pneumonia and influenza, which is below the epidemic threshold for week 12 (7.1%). A total of 123 pediatric deaths have been reported for the 2014-2015 season from New York City and 38 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