

Influenza Surveillance Report

Division of Epidemiology - Disease Surveillance and Investigation
 District of Columbia Department of Health

2014-2015 Influenza Season Week 47 (November 16, 2014 – November 22, 2014)

(All data are preliminary and may change as more reports are received)

SUMMARY

- 3 cases of Influenza were reported by hospitals during this reporting period.
- Zero pediatric-deaths associated with Influenza were recorded during this reporting period.
- For the 2014-2015 Influenza Season to-date, 25 positive Influenza cases have been reported.

INFLUENZA SURVEILLANCE FROM HOSPITALS & AMBULATORY CARE FACILITIES

District of Columbia hospitals and laboratories report detailed information on cases of Influenza on a daily basis. However, in accordance with CDC guidelines, only Influenza-associated deaths in cases <18 years of age and Novel Influenza A infections are reportable.

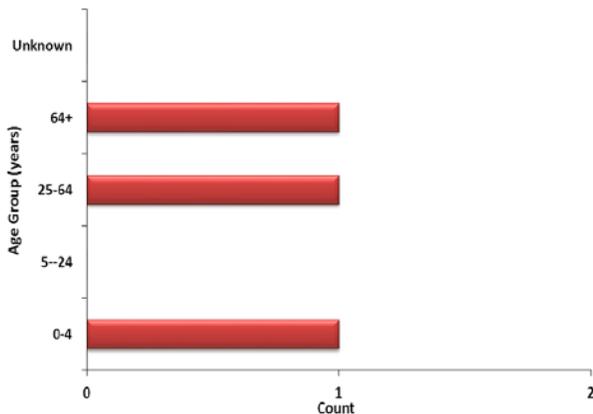
The table below summarizes weekly and cumulative cases of Influenza for the 2014-2015 Season. Data are also presented by age group and by number of cases reported weekly. During week 47 (November 16, 2014– November 22, 2014), there were 3 new cases of Influenza reported. To date, the District has received 25 positive Influenza cases reported by hospitals.

Surveillance of Influenza Cases Reported By Influenza Type

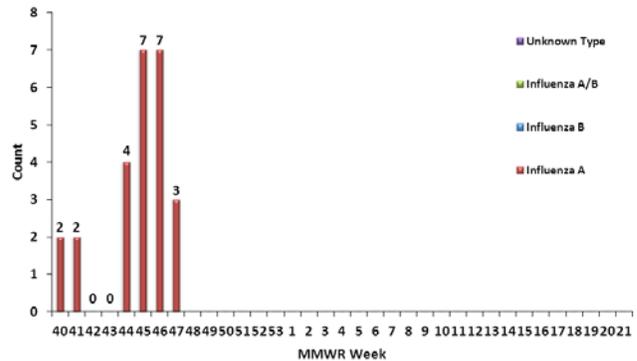
| | Week 47 (November 16, 2014– November 22, 2014) | | Cumulative Cases for Weeks 40 – 20 (September 28, 2014 – May 23, 2015) | |
|------------------------------|---|--------|---|----------|
| Influenza A | 3 | (100%) | 25 | (100%) |
| Influenza B | 0 | (0%) | 0 | (0%) |
| Influenza A/B | 0 | (0%) | 0 | (0%) |
| Influenza (not typed) | 0 | (0%) | 0 | (0%) |
| Total | 3* | (100%) | 25* | (100.0%) |

*Includes results from Rapid Diagnostic Testing, Viral Culture, RT-PCR, Serology, and Immunofluorescence.

Positive Influenza Tests, by Age Group
 Week 47 (16 Nov 2014 - 22 Nov 2014)



Positive Influenza Tests by Week
 September 28 2014 - May 23, 2015



RAPID DIAGNOSTIC TESTING

Rapid Diagnostic Tests are screening tests used to detect the Influenza virus in a short period of time. While initially less accurate than PCR and viral culture, rapid diagnostics are more accurate as the Influenza season progresses. During week 47, 105 out of a total of 127 tests were performed using rapid diagnostic testing in clinical laboratories. Of these, 3 (2.86%) positive Influenza specimens were identified during week 47 using rapid diagnostics.

| Week: 47 (November 16, 2014– November 22, 2014) | |
|---|-----------|
| No. of specimens tested Rapid Diagnostics | 105 |
| No. of positive specimens (%) | 3 (2.86%) |
| Positive specimens by type/subtype | |
| Influenza A | 3 (100%) |
| Influenza B | 0 (0%) |
| Influenza A/B | 0 (0%) |
| Influenza – unknown type | 0 (0%) |

INFLUENZA-LIKE ILLNESS (ILI) SURVEILLANCE

Sentinel surveillance for ILI consists of three outpatient reporting sites for the District of Columbia. The sentinel surveillance sites report the total number of ILI cases encountered per week and the total number of patients seen at the clinic during that same week. For this system, ILI is defined as the existence of fever (temperature of 100°F [37.8°C] or greater) and a cough and/or a sore throat in the absence of a known cause other than Influenza.

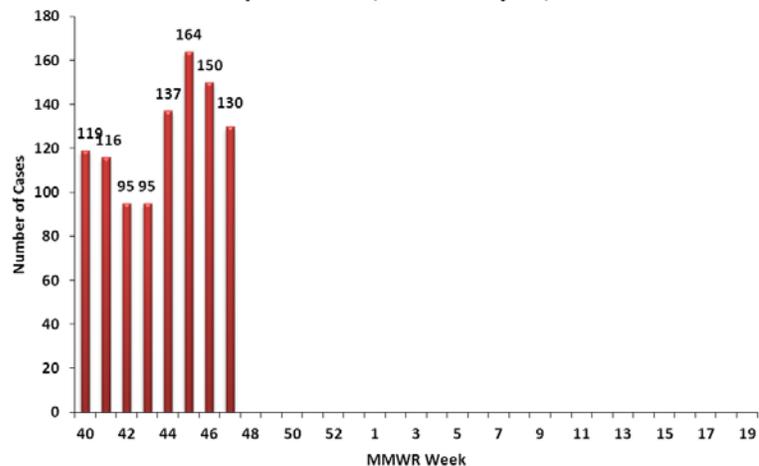
For week 47, sentinel providers reported that 130 out of 1065 (12.21%) visits met the criteria for ILI.

Sentinel Surveillance ILI Activity for Washington, DC

| Week of | Activity * |
|-----------------|-----------------|
| Nov 16 – Nov 22 | <i>Sporadic</i> |

- *No Activity** – overall clinical activity remains low and there are no lab confirmed Influenza cases;
- Sporadic** – isolated lab confirmed Influenza cases reported and ILI activity is not increased;
- Local** – increased ILI activity and recent lab confirmed Influenza cases. As the District of Columbia is not a state, this is the highest level of ILI activity it can report.

**Influenza-Like Illness Reported by MMWR Weekly
September 28, 2014 - May 23, 2015**



INFLUENZA TESTING BY THE DISTRICT OF COLUMBIA PUBLIC HEALTH LABORATORY (DC PHL)

The DC PHL subtypes human isolates to monitor the circulating strains of Influenza. The isolates are submitted to the DC PHL by hospitals and commercial laboratories. No specimens were reported by the PHL for week 47.

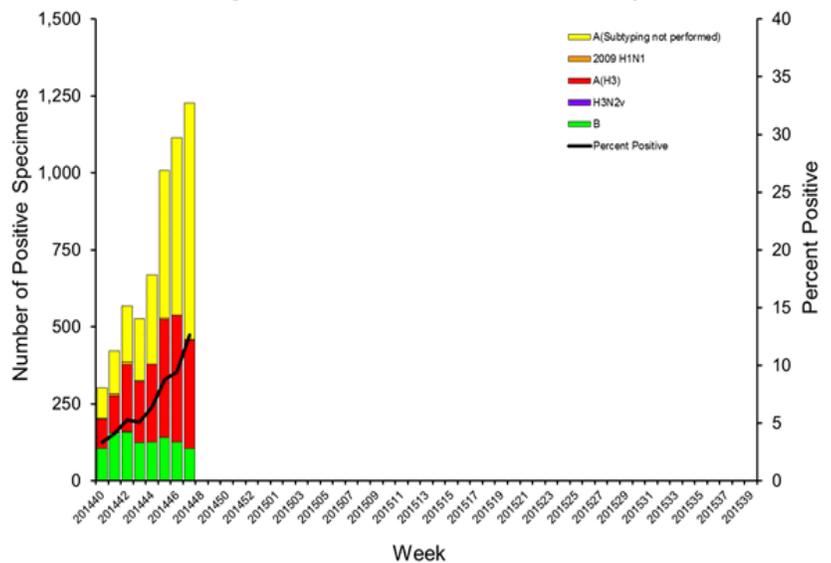
DC PHL Surveillance of Influenza Cases Reported By Influenza Subtype

| DC PHL Influenza Testing | November 16, 2014 – November 22, 2014 | Total Cases September 28, 2014 – May 23, 2015 |
|--|---------------------------------------|--|
| Number of specimens tested | 0 | 0 |
| ◆ Number of specimens positive for Influenza: | 0 (0%) | 0 (0%) |
| ● Influenza A | 0 (0%) | 0 (0%) |
| ▪ H1 2009 H1N1 | 0 (0%) | 0 (0%) |
| ▪ H1 seasonal | 0 (0%) | 0 (0%) |
| ▪ H3 | 0 (0%) | 0 (0%) |
| ● Influenza B | 0 (0%) | 0 (0%) |

NATIONAL INFLUENZA ASSESSMENT

The CDC's weekly seasonal Influenza surveillance report for week 47 noted that Influenza activity increased slightly in the United States. The proportion of deaths due to Influenza and pneumonia in the US was below the epidemic threshold. Four Influenza-associated pediatric deaths were reported to the CDC during week 47, two associated with an flu A(H3) virus, one with an un-typed A virus, and one with a flu B virus.. For the 2014-2015 season, a total of 5 pediatric death associated with Influenza has been reported in the US. During week 47, 9,710 specimens were tested, of which 1,228 (12.6%) were positive. Of the 1,228 respiratory specimens that tested positive during week 47, 1,123 (91.4%) were Influenza A and 105 (8.6%) were Influenza B. Of the Influenza A samples, 1 (0.1%) were 2009 H1N1, 353 (31.4%) were H3, and 769 (68.5%) were not subtyped.

Influenza Positive Tests Reported to CDC by U.S. WHO/NREVSS Collaborating Laboratories, National Summary, 2014-15



Get Vaccinated!

To find an Influenza vaccine provider, visit the District of Columbia Immunization Resource Center at

<http://doh.dc.gov/node/190532>



For additional information about Influenza and Influenza activity in the United States, please visit: <http://www.cdc.gov/flu/index.htm>. Questions about Influenza in the District of Columbia or this report should be directed to the Division of Epidemiology - Disease Surveillance and Investigation at (202) 442-9150 or email keith.li@dc.gov.