

Influenza Surveillance Report

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

2019-2020 Influenza Season Week 49 (December 1, 2019 – December 7, 2019) *(All data are preliminary and may change as more reports are received)*

SUMMARY

- 85 new cases of influenza were reported by hospitals during this reporting period
- Zero pediatric deaths were reported during this period
- For the 2019-2020 influenza season to-date, 215 positive influenza cases have been reported
- DC Public Health Laboratory did not provide data for week 49
- Influenza activity is increasing in the District

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. We also request that Influenza hospitalizations be reported if possible.

The table below summarizes weekly and cumulative cases of Influenza for the 2019-2020 Season. Data are also presented by age group and by number of cases reported weekly. During week 49 (December 1, 2019 – December 7, 2019), there were 85 new cases of influenza reported. A total of 749 tests were performed during week 49. To date, the District has received 215 positive influenza cases reported by all eight hospitals.

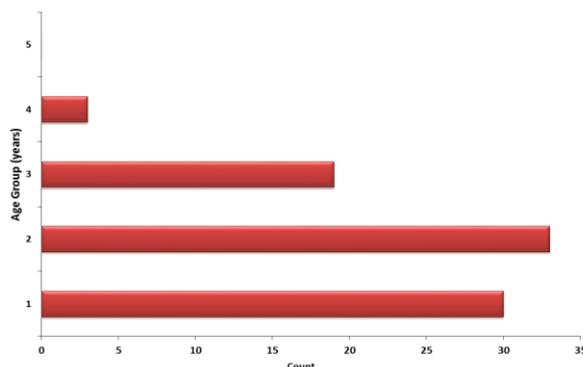
Surveillance of Influenza Cases Reported By Influenza Type

	Week 49 (December 1, 2019- December 7, 2019)		Cumulative Positive Cases for Weeks 40–20 (October 05, 2019– May 16, 2020)	
Influenza A	11	(12.94 %)	51	(23.72%)
Influenza B	72	(84.71%)	159	(73.95%)
Influenza A/B	2	(2.35%)	5	(2.33%)
Influenza (not typed)	0	(0.00%)	0	(0.00%)
Total	85*	(100.00%)	215*	(100.00%)

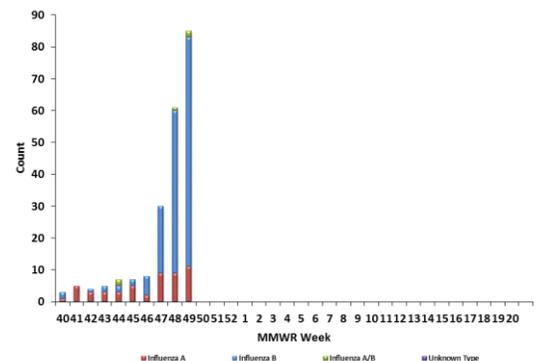
*Includes results from Rapid Diagnostic Testing, Viral Culture, RT-PCR, Serology, and Immunofluorescence.

**Age groups are classified as 1(0-4 years), 2 (5-24 years), 3(25-64 years), 4 (>64 years) & 5 (age not specified)

Positive Influenza Tests, by Age Group
Week 49 (1st Dec19-7thDec19)



Positive Influenza Tests by Reporting Week
September 29, 2019- May 16, 2020



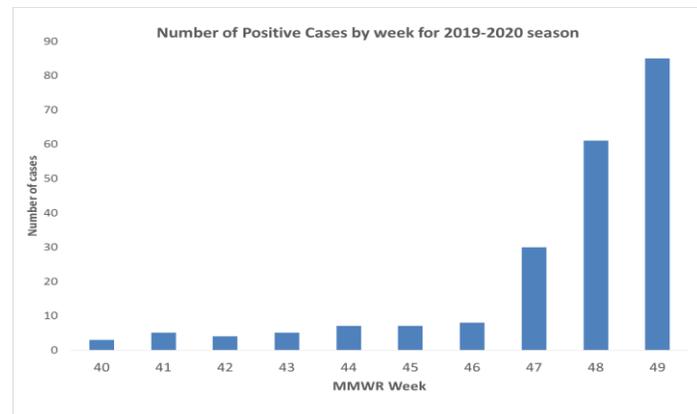
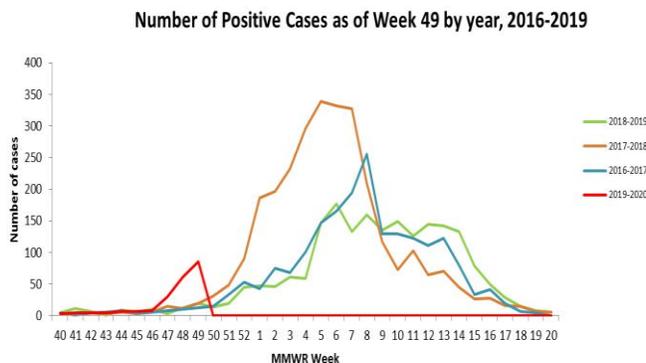
RAPID DIAGNOSTIC TESTING

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 49, 240 out of a total of 749 tests were performed using rapid diagnostic testing in clinical laboratories. Of these, 13 positive Influenza specimens were identified using rapid diagnostics.

Week: 49 (December 1, 2019 – December 7, 2019)	
No. of specimens tested Rapid Diagnostics	240
No. of positive specimens (%)	13 (5.41%)
Positive specimens by type/subtype	
Influenza A	4 (1.67%)
Influenza B	9 (3.75%)
Influenza A/B	0 (0.00%)
Influenza – unknown type	0 (0.00%)

WEEK 49 COMPARISON WITH PREVIOUS SEASONS

For week 49, there were 85 new cases reported in the current 2019-2020 season, 19 cases in last year's 2018-2019 season, 20 cases in the 2017-2018 season, 13 cases in the 2016-2017 season and 10 in the 2015-2016 season.



Cumulatively, there are a total of 215 cases in the District up to week 49 for the current season, 85 during the 2018-2019 season, 73 during the 2017-2018 season, 67 in the 2016-2017 season and 45 in the 2015-2016 season.

INFLUENZA-LIKE ILLNESS (ILI) SURVEILLANCE

Sentinel surveillance for ILI consists of five 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 49, sentinel providers reported 187 out of 11897 visits (1.57%) that met the criteria for ILI.

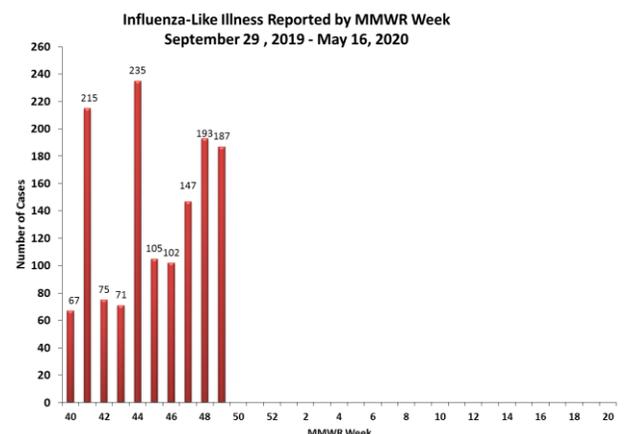
Geographic Spread of Influenza for Washington, DC

Week of	Activity *
Nov 24 - Nov 30	<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 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 on a monthly basis. DC PHL did not provide data for week 49.

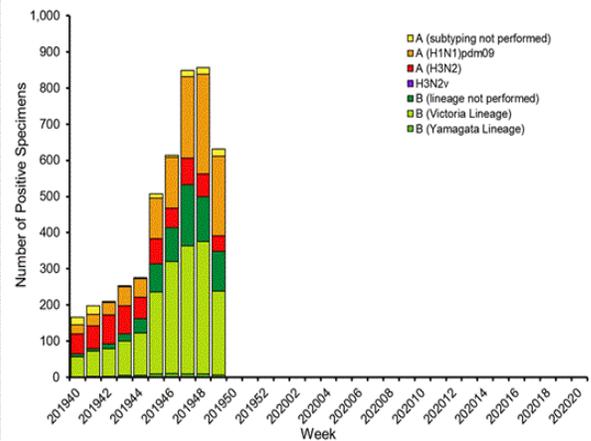
DC PHL Surveillance of Influenza Cases Reported By Influenza Subtype

DC PHL Influenza Testing	Dec 1, 2019 – Dec 7, 2019	Sep 29, 2019 -May 16, 2020
Number of specimens tested	N/A	311
Number of positive specimens	N/A	19
Influenza A	N/A	7 (36.84%)
A(H1N1)pdm09	N/A	6
H3N2	N/A	1
Influenza B	N/A	12 (63.16%)
Yamagata lineage	N/A	0
Victoria lineage	N/A	12

NATIONAL INFLUENZA ASSESSMENT

Influenza activity has been increasing and is above the national baseline in the United States. The proportion of deaths attributed to pneumonia and influenza (P&I) was 5.0%. This is below the epidemic threshold. Four new influenza-associated pediatric deaths occurring during the 2019-2020 season was reported to CDC. The total for this season is 10. During week 49, 1508 specimens were tested by public health laboratories, of which 631 were positive. Of the 631 respiratory specimens that tested positive during week 49, 283 (44.8%) were Influenza A and 348 (55.2%) were Influenza B. Of the Influenza A samples, 221 (83.7%) were 2009 H1N1, 43 (16.3%) were H3N2, and 19 were un-typed. Of the Influenza B samples, 232 (97.5%) were of the Victoria lineage, 6 (2.5%) were of Yamagata lineage and 110 had no lineage test performed.

Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2019-2020 Season



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) 442-8141 or email flu.epi@dc.gov