

Influenza Surveillance Report

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

2019-2020 Influenza Season Week 08 (February 16, 2020 – February 22, 2020) *(All data are preliminary and may change as more reports are received)*

SUMMARY

- 211 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, 2994 positive influenza cases have been reported
- DC Public Health Laboratory completed testing for 17 specimens during week 8
- Influenza activity continues to remain elevated

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 08 (February 16, 2020 – February 22, 2020), there were 211 new cases of influenza reported. A total of 1081 tests were performed during week 08. To date, the District has received 2994 positive influenza cases reported by all seven hospitals.

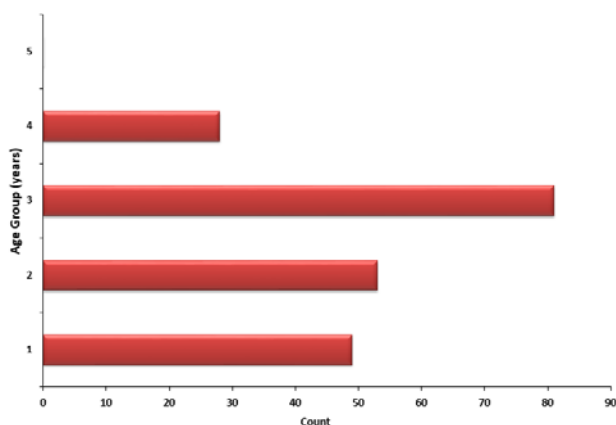
Surveillance of Influenza Cases Reported By Influenza Type

	Week 08 (February 16, 2020 - February 22, 2020)		Cumulative Positive Cases for Weeks 40–20 (October 05, 2019– May 16, 2020)	
	Count	Percentage	Count	Percentage
Influenza A	177	(83.89%)	1472	(49.16%)
Influenza B	34	(16.11%)	1514	(50.57%)
Influenza A/B	0	(0.00%)	7	(0.23%)
Influenza (not typed)	0	(0.00%)	1	(0.03%)
Total	211*	(100.00%)	2994*	(100.00%)

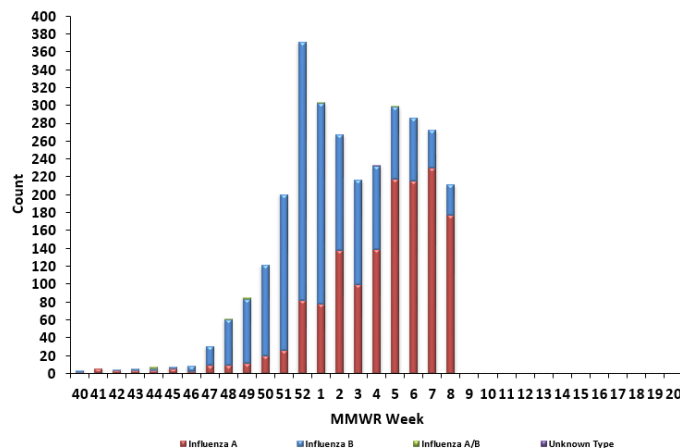
*Includes results from Rapid Diagnostic Testing, Viral Culture, RT-PCR, Serology, and Immunofluorescence.

**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 08 (16thFeb20-22thFeb20)



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



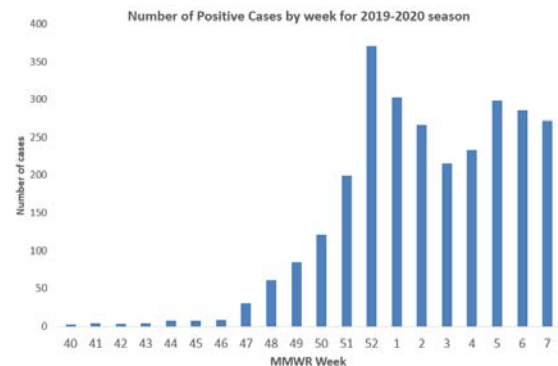
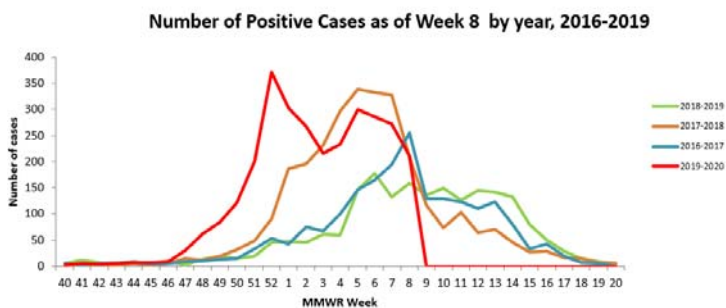
RAPID DIAGNOSTIC TESTING

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 8, 512 out of a total of tests were performed using rapid diagnostic testing in clinical laboratories. Of these, 57 (11.12%) positive Influenza specimens were identified using rapid diagnostics.

Week: 08 (February 16, 2020 – February 22, 2020)	
No. of specimens tested Rapid Diagnostics	512
No. of positive specimens (%)	57(11.12%)
Positive specimens by type/subtype	
Influenza A	49(85.96%)
Influenza B	8 (14.04%)
Influenza A/B	0 (0.0%)
Influenza – unknown type	0 (0.0%)

WEEK 8 COMPARISON WITH PREVIOUS SEASONS

For week 8, there were 211 new cases reported in the current 2019-2020 season, 159 cases in last year’s 2018-2019 season, 209 cases in the 2017-2018 season, 255 cases in the 2016-2017 season and 55 in the 2015-2016 season.



Cumulatively, there are a total of 2994 cases in the District up to week 08 for the current season, 992 during the 2018-2019 season, 2359 during the 2017-2018 season, 1216 in the 2016-2017 season and 212 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 08, sentinel providers reported 283 out of 11730 visits (2.41%) that met the criteria for ILI.

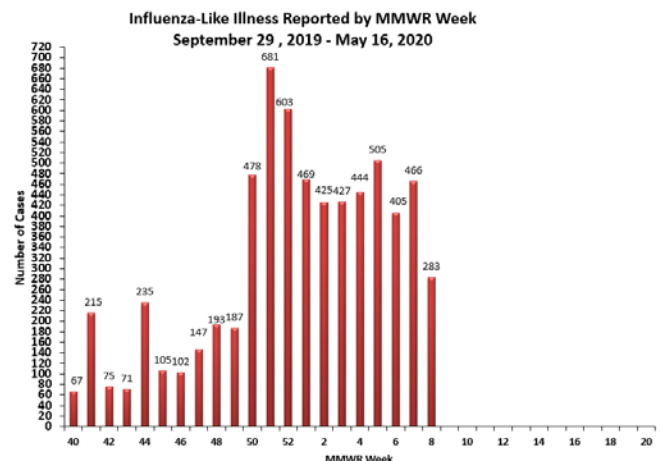
Geographic Spread of Influenza for Washington, DC

Week of	Activity *
Feb 16– Feb 22	Local

***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 completed testing for 17 specimens during week 08.

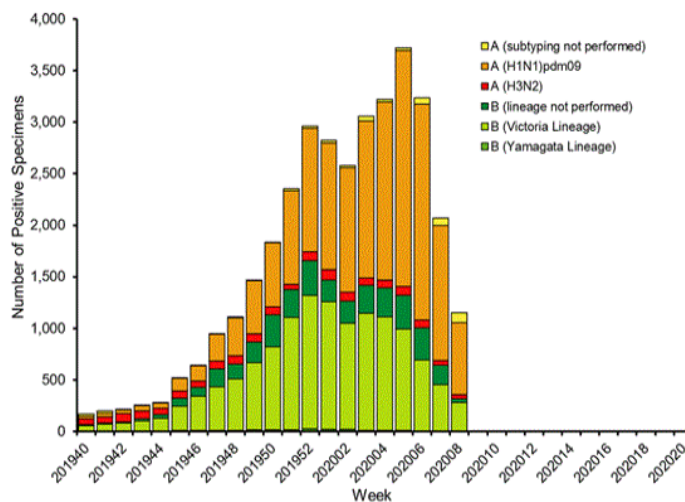
DC PHL Surveillance of Influenza Cases Reported By Influenza Subtype

DC PHL Influenza Testing	Feb 16, 2020 – Feb 22, 2020	Sep 29, 2019 -May 16, 2020
Number of specimens tested	17	778
Number of positive specimens	17 (100.00%)	216
Influenza A	17 (100.00%)	105 (13.5%)
A(H1N1)pdm09	6	86
H3N2	2	10
Influenza B	0 (0.00%)	111(55.77%)
Yamagata lineage	0	0
Victoria lineage	0	111

NATIONAL INFLUENZA ASSESSMENT

Influenza activity in the United States decreased slightly this week but continues to remain high. The proportion of deaths attributed to pneumonia and influenza (P&I) is 6.9% but remains below the epidemic threshold. A total of 125 influenza-associated pediatric deaths occurring during the 2019-2020 season have been reported to CDC between weeks 52 and 8. Of the 125 influenza-associated deaths, there were 87 deaths associated with influenza B viruses and 38 deaths with influenza A viruses. During week 08, 1783 specimens were tested by public health laboratories, of which 1153 were positive. Of the 1153 respiratory specimens that tested positive during week 08, 835 (72.4%) were Influenza A and 318 (27.6%) were Influenza B. Of the Influenza A samples, 697 (94.8%) were 2009 H1N1, 38 (5.2%) were H3N2, and 100 were un-typed. Of the Influenza B samples, 277 (99.3%) were of the Victoria lineage, 2 (0.7%) were of Yamagata lineage and 39 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) 442-9370 or email flu.epi@dc.gov

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