



Ottawa County Influenza Surveillance Report

MMWR* Week 40: September 29, 2019 - October 5, 2019

Summary:

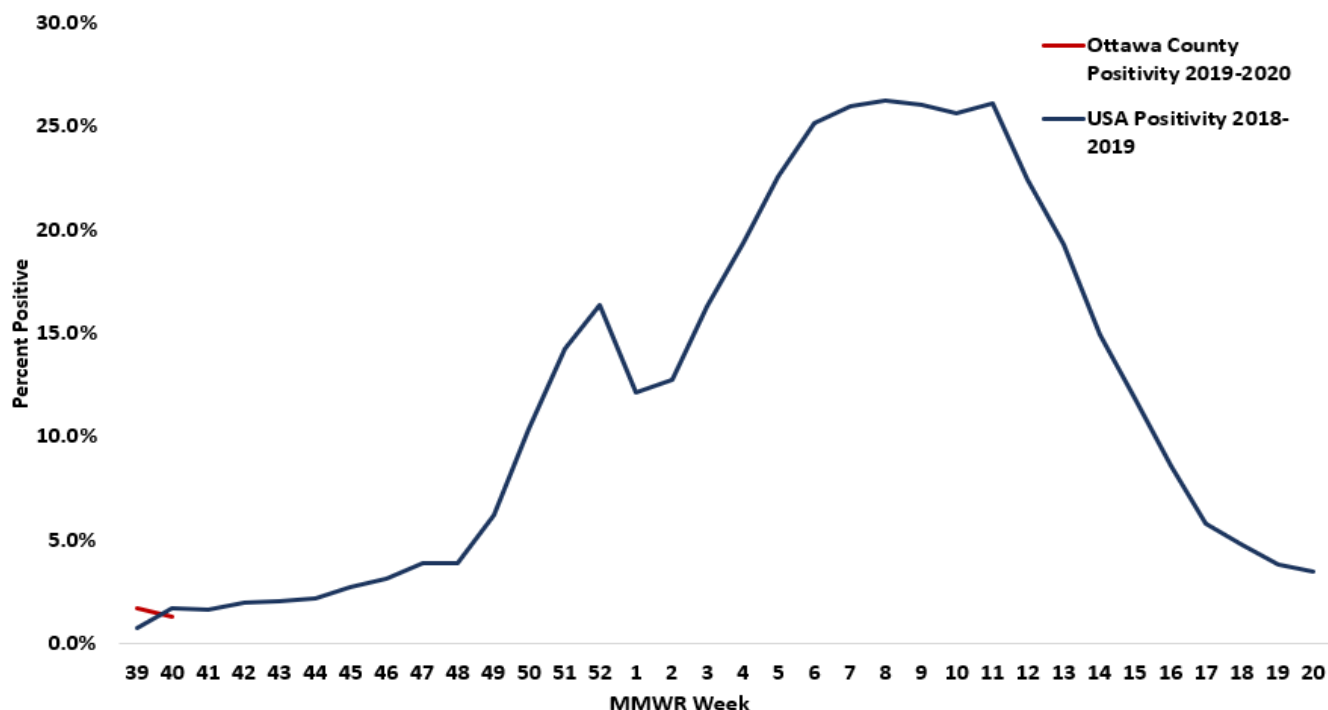
Influenza activity is low across Ottawa County. Influenza positivity on week 40 stood at 1.3% (from 1.7% last week). The number of influenza-like illnesses (ILI) reported in schools, licensed childcares, and healthcare facilities over the last 2 weeks are comparable to last year at this time. There was 1 report of ILI in long-term care facilities (LTCFs). During week 40, emergency department (ED) visits with influenza syndrome stood at 1.7%, slightly higher than this same time last year, but well below last season's peak.



Influenza Test Positivity

Influenza positivity is the percent of influenza tests conducted by reporting laboratories that result positive. On week 40, reported positivity was 1.3%. Elevated influenza laboratory positivity is often an indication that influenza is circulating in the community^(1,2). Influenza positivity on week 40 is low.

Positivity Rate of Influenza Tests by Week, Ottawa County (2019 - 2020) and United States (2018-2019)



MMWR* Week	Week ending date	Type A	Type B	Unspecified	Total Influenza	Total Tested	Positivity
39	09/28/2019	1	N/A	N/A	1	58	1.7%
40	10/05/2019	N/A	1	N/A	1	79	1.3%

* Morbidity and Mortality Weekly Report

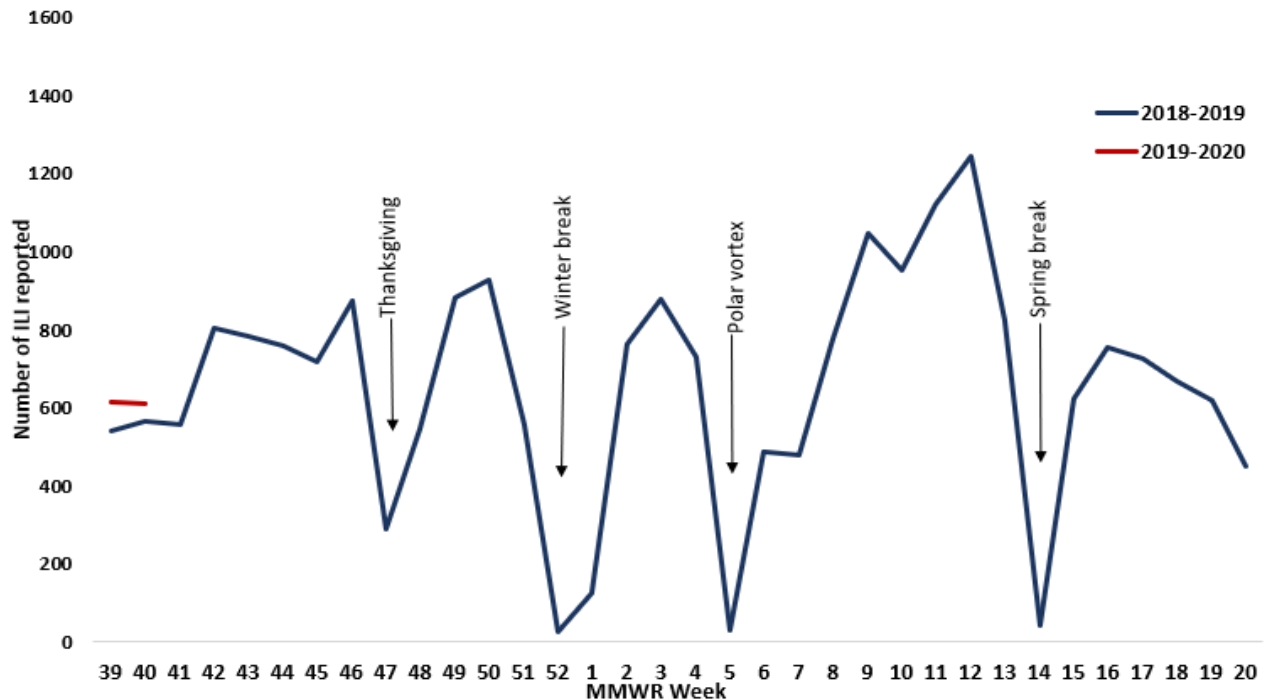
Influenza test data includes both PCR and rapid tests



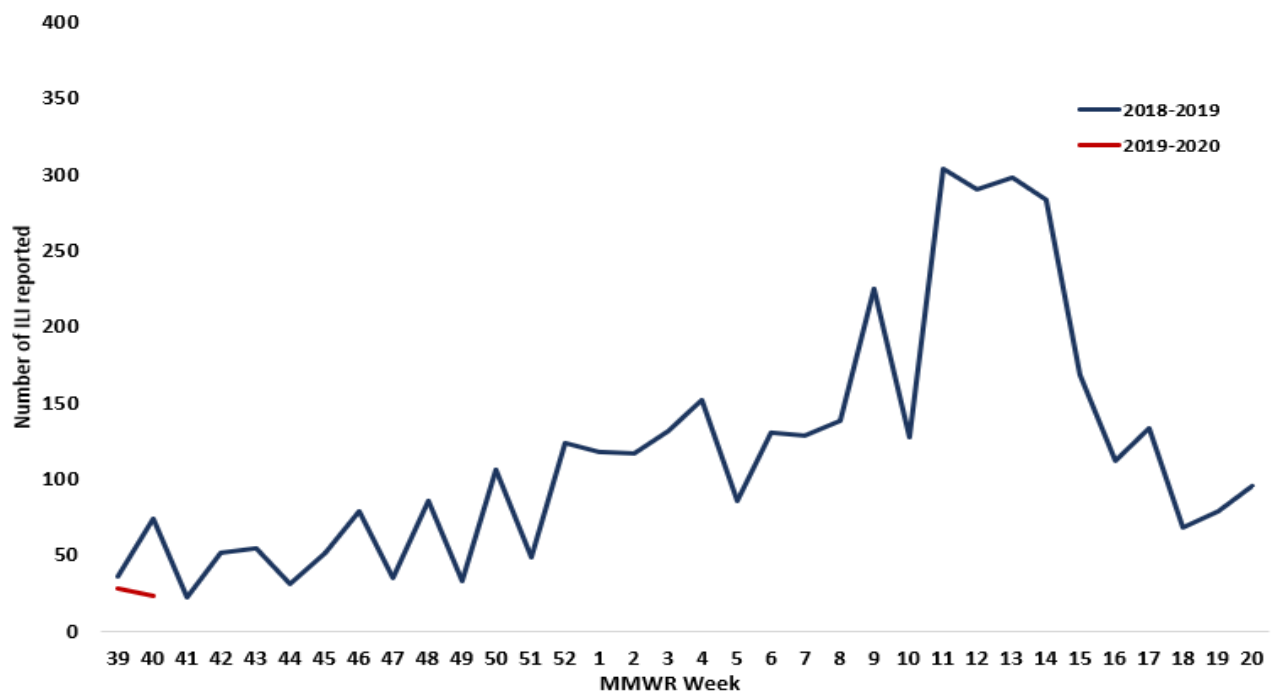
Influenza-Like Illness (ILI) Surveillance from Reporting Schools, Childcare and Healthcare Settings

Ottawa County Department of Public Health (OCDPH) receives ILI reports from schools, licensed childcare, healthcare providers and LTCFs on a weekly basis. During week 40, there were 610 reports of ILI in school/childcare settings, and 28 reports in healthcare settings. There was 1 report of ILI in LTCFs. ILI reports in school/childcare settings during week 40 were similar to the counts reported the same time last year, and lower in healthcare settings.

School and Childcare ILI by Week



Healthcare ILI Visit by Week

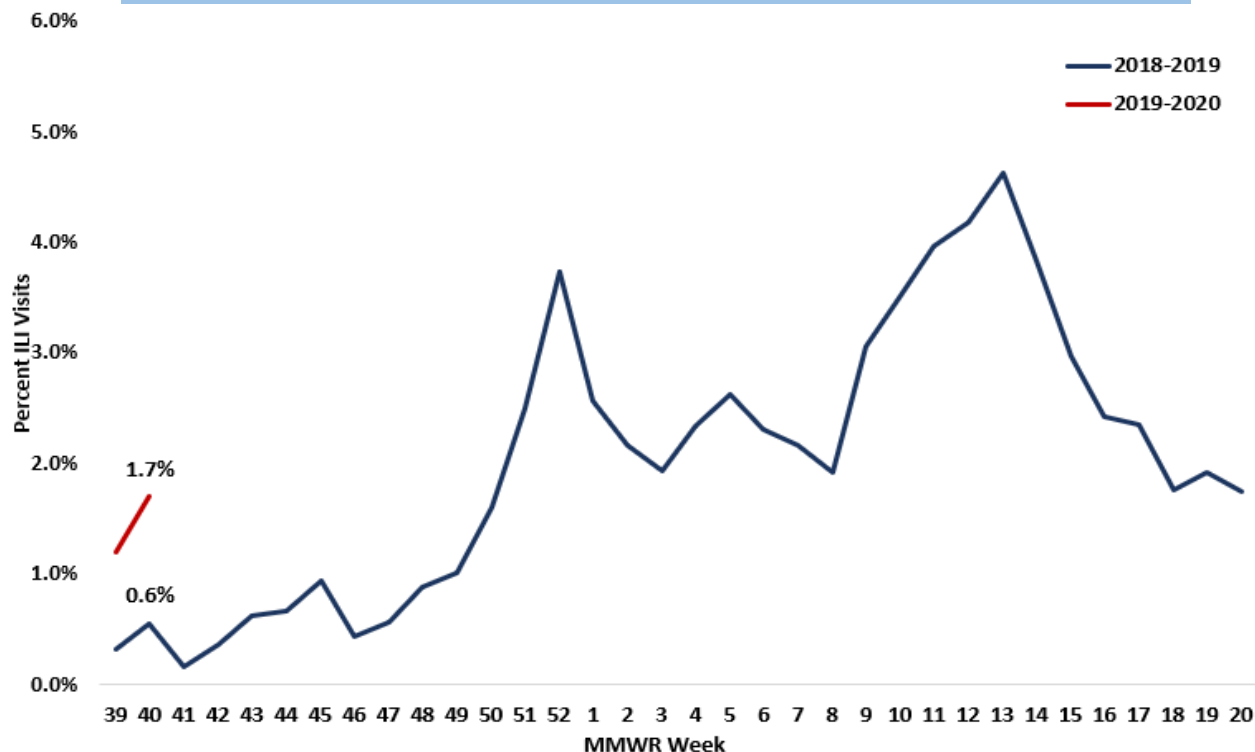




Syndromic Surveillance for ILI

OCDPH assesses syndromic surveillance data on influenza syndromes to view community influenza activity in another way. This data reflects the proportion of patients seen in Ottawa County hospital EDs with an influenza syndrome. During week 40, Ottawa County ED influenza syndrome visits were at 1.7%.

Percentage of ILI Visits to Reporting Facilities, Ottawa County, 2018-2019



MMWR Week	Week Ending Date	Total ED ILI	Total ED Visits	Percent ILI
38	9/21/2019	31	1858	1.7%
39	9/28/2019	24	1937	1.2%
40	10/05/2019	30	1775	1.7%



Influenza Vaccine Coverage

The best way to prevent the influenza is by getting the influenza vaccine each year. Ottawa County has had a significant increase in influenza (flu) vaccine coverage over the years. [Click here](#) to see estimates of the seasonal flu vaccine effectiveness.

	2007	2011	2014	2017
Ottawa County ³	37.4%	43.1%	46.6%	51.8%*
United States ⁴	37.2%	38.8%	43.6%	37.1%

Note. Data on vaccine coverage in Ottawa County and the United State are collected from different sources and should be interpreted with care.

* Unpublished data.

Resources

- ◆ Michigan Department of Health and Human Services - Influenza activity and Surveillance: https://www.michigan.gov/mdhhs/0,5885,7-339-71550_2955_22779_40563_48357-191722--,00.html
- ◆ National influenza surveillance data are available at: <https://www.cdc.gov/flu/weekly/>
- ◆ Recommendations of the Advisory Committee on Immunization Practices, 2019–20 Influenza Season: https://www.cdc.gov/mmwr/volumes/68/rr/rr6803a1.htm?scid=rr6803a1e&deliveryName=USCDC_921-DM7382
- ◆ ¹Forecasting Peak Activity of Seasonal Influenza Using Only One Surveillance Indicator Colorado, 2013-2019 (CSTE Presentation): By Bernadette Albanese, MD, MPH, Tri-County Health Department
- ◆ ²Baumbach, J., Mueller, M., Smelser, C., Albanese, B., & Sewell, C. M. (2009). Enhancement of influenza surveillance with aggregate rapid influenza test results: New Mexico, 2003-2007. American journal of public health, 99 Suppl 2(Suppl 2), S372–S377. doi:10.2105/AJPH.2007.125450
- ◆ ³Ottawa County Behavioral Risk Factor Survey (2007, 2011, 2014, 2017). Available at <https://www.miottawa.org/Health/OCHD/data.htm#BRFS>
- ◆ ⁴Centers for Disease Control and Prevention (CDC, 2019). FluVaxView. Available at <https://www.cdc.gov/flu/fluview/reportshtml/trends/index.html>
- ◆ Centers for Disease Control and Prevention (CDC, 2019). Seasonal Flu Vaccine Effectiveness Studies. Available at <https://www.cdc.gov/flu/vaccines-work/effectiveness-studies.htm>

Note: This surveillance report is based on preliminary data. Charts and figures are subject to change as the data is updated.



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