

COVID-19 Windsor and Essex County: March 20, 2020 to October 8th, 2020

Purpose

- Providing an epidemiologic summary of COVID-19 activity in Windsor and Essex County (WEC) to date

Source

- Windsor-Essex County Health Unit (WECHU), Infectious Disease Prevention (IDP) databases, extracted by Windsor-Essex County Health Unit [2020/10/08].
- Ontario Ministry of Health, Case and Contact Management (CCM) database, extracted by Windsor-Essex County Health Unit [2020/10/08].
- Ontario Agency for Health Protection and Promotion (Public Health Ontario). Epidemiologic Summary: COVID-19 in Ontario – January 15, 2020 to October 7, 2020. Toronto, ON: Queen's Printer for Ontario; 2020.
- Chung H, Fung K, Ishiguro L, Paterson M, et al. Characteristics of COVID-19 diagnostic test recipients, Applied Health Research Questions (AHRQ) # 2021 0950 080 000. Toronto: Institute for Clinical Evaluative Sciences; 2020.

Highlights

- At the time of reporting, there are 2,689 confirmed cases of COVID-19 in WEC between March 20th and October 8th.
- The case counts in the first week of October continue to be low.
- Between September 27th and October 3rd, a total of 4,876 tests were completed across WEC.
 - This is an average of 697 tests per day last week
- The current percent positivity, as of October 3rd, is 0.7% and is similar compared to last week (0.7%).
- As of October 3rd, 111,004 tests have been completed across WEC since the beginning of the pandemic.
 - The cumulative percent positivity up to October 3rd since the beginning of the pandemic is 2.6%
- As of October 6th, the current 1-day turnaround time, using a 7-day average is 11%.
 - The 2-day turnaround time from day of testing is 64%
- The 7-day moving average in the past week is low as of October 8th, 2020
- Windsor and Essex County has the second highest incidence rate in the province and is higher than the Ontario rate.
 - Toronto has the highest rate in the province.
- Locally, Leamington has the highest COVID-19 incidence rate in Windsor-Essex followed by Kingsville and the City of Windsor.
- The rate per 100,000 of active cases is highest in Lakeshore, Leamington and Kingsville up to October 8th, 2020.

- In the last two weeks, 57% of the cases reported were among males and 43% were among females.
 - Looking at the age breakdown, rates (per 100,000) were highest among those 20 to 29 years of age and adults 60 to 69 years of age.
- The majority of cases identified are due to close contacts with individuals that were positive for COVID-19.
 - This is similarly found among the agri-farm worker population
 - Outside of the agri-farm workers, most cases are exposed to the virus through close contact with another confirmed case.
- Approximately 1.3% of cases are still in self-isolation while 96% of cases have resolved.
- The day-over-day doubling time has been trending positively in WEC.
 - In Ontario and Canada, the day-over-day doubling time has decreased due to an increase in cases in other jurisdictions.
- The median R_0 (effective) value is 1.23 and has decreased from last week.
 - Due to the low number of cases this value has fluctuated.