

Windsor-Essex County COVID-19 Weekly Epidemiologic Update

November 3, 2021

Data Highlights (as of November 2, 2021)

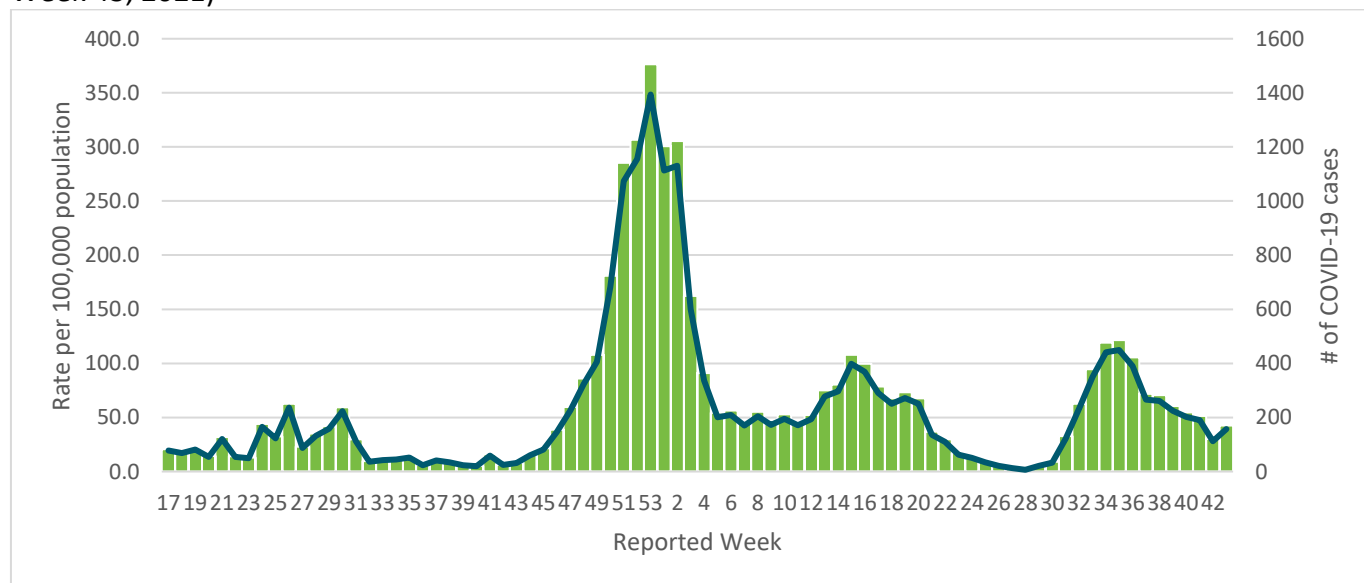
- 20,563 cases reported and 7-day moving average of 22.6 cases per 100,000 population.
- For the week of October 25 – 31, the case rate is 39.3 per 100,000 individuals, an increase of 11.3 compared to the previous week.
- A decrease of 0.9% in percent positivity was observed this week, as it decreased from 3.6% (October 10 – 16, 2021) to 2.7% (October 17 – 23, 2021).
- Highest number of cases (24%) were seen among 0-19 year olds in the past two weeks.
- Essex had the highest weekly case rate of 84 cases per 100,000 population.

COVID-19 Cases in Windsor-Essex County

Trends

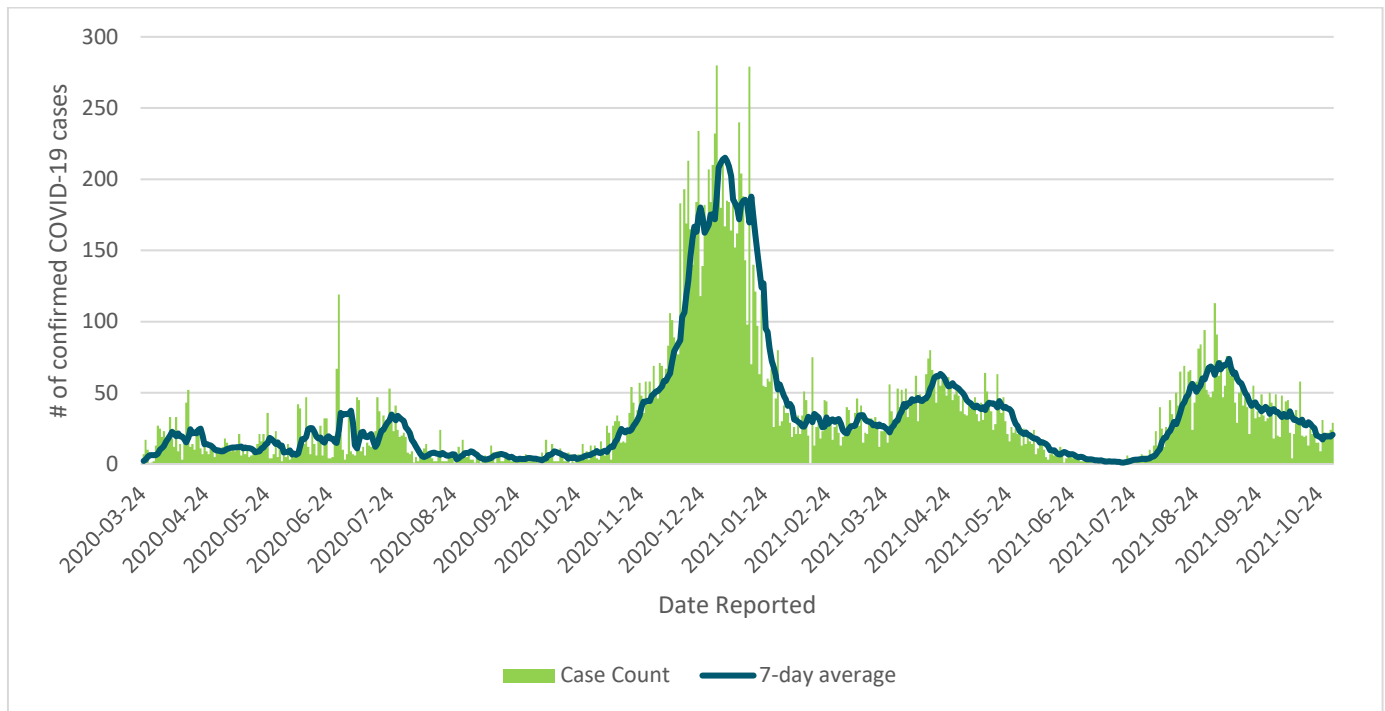
Up until October 31, the health unit reported 20,563 confirmed cases of COVID-19. For the most completed week October 25 – 31, 2021, the case rate was 39.3 cases per 100,000 population, which is higher than the previous week's rate (Oct 18 – 24, 2021; 28 cases per 100,000 population; Figure 1). As can be seen in Figure 2, the current 7-day moving average of cases in WEC is 22.6 cases per 100,000.

Figure 1. Confirmed COVID-19 case rates in Windsor-Essex County by reported week: Week 17, 2020 to Week 43, 2021)



Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [2/Nov/2021] at 4:30 pm.

Figure 2. Confirmed COVID-19 cases in Windsor-Essex County by date: March 1, 2020 to October 31, 2021

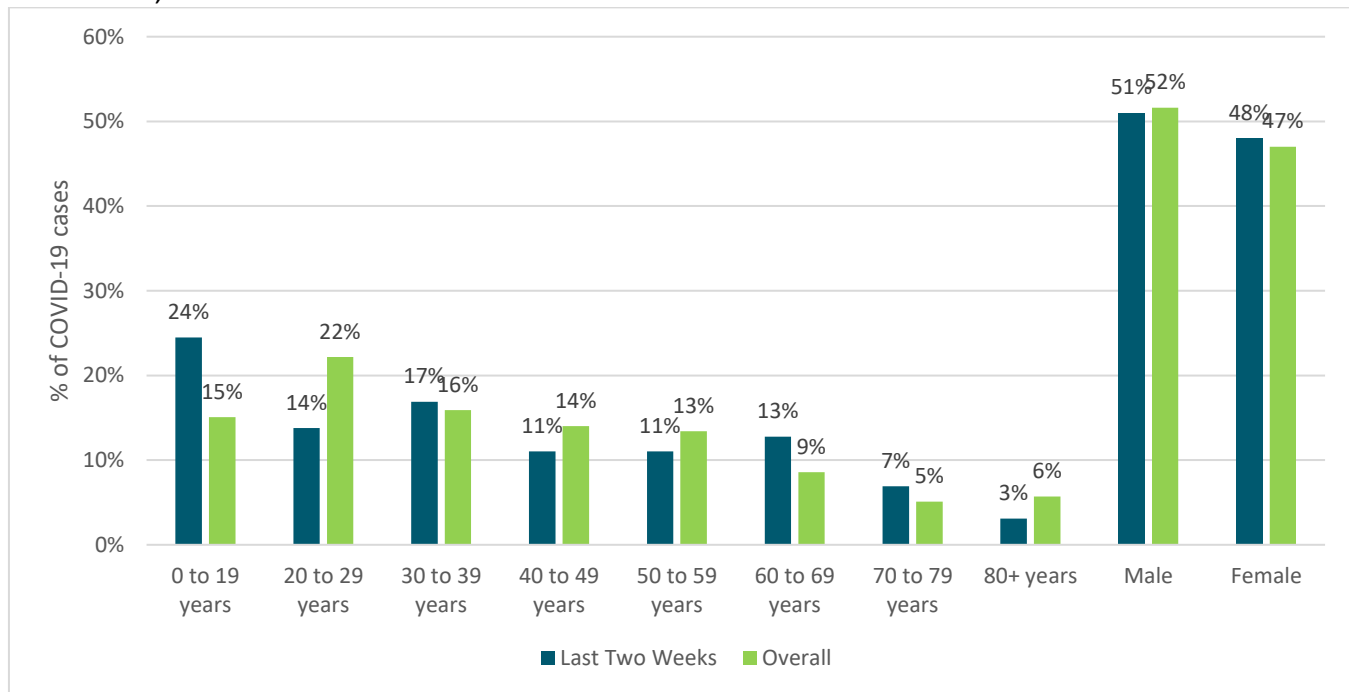


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [2/Nov/2021] at 4:30 pm

Age and Sex

Overall, approximately 47% of the cases were among females and 52% among males. One percent of the cases have an unknown gender. A disproportionately higher number (24%) of cases, in the past two weeks (Oct 18 – 31, 2021), were reported among those 0 to 19 years olds. Compared to the overall cases, a relatively lower number of cases were observed for the 20-29 year olds (Figure 3). From the onset of the pandemic locally (March 1, 2020 to October 31, 2021), only 15% of our cases were in the 0-19 age group. Higher number of cases in the 0-19 age group can be attributed to re-opening of schools, increasing the chance of acquiring the infection due to close proximity in classrooms and school buses. Consistent with this data, most of our recent outbreaks are in schools, making the 0-19 year age group more vulnerable to the infection.

Figure 3. Distribution of confirmed COVID-19 cases by age and sex by reported date: March 1, 2020 to October 31, 2021

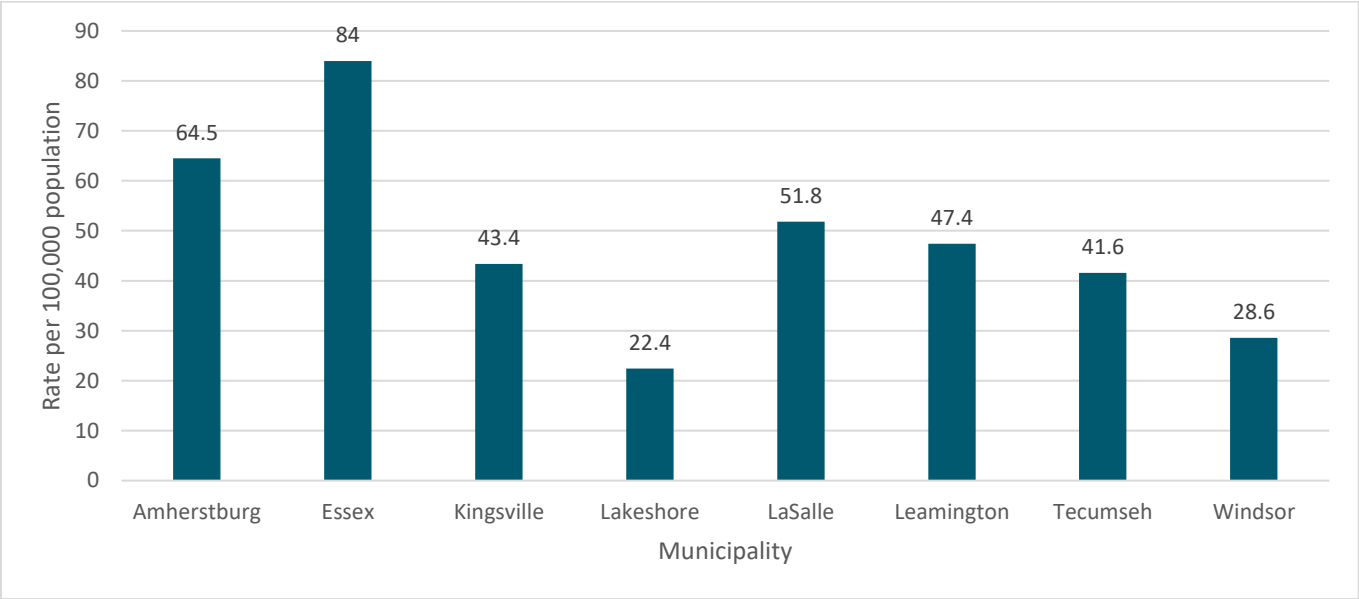


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [2/Nov/2021] at 4:30 pm

Municipal Distribution

In the most recent completed week (October 25-31, 2021), Essex had the highest case rates (84 cases per 100,000 population), followed by the city of Amherstburg (64.5 cases per 100,000 population) and LaSalle (51.8 cases per 100,000 population). Of all the municipalities, Lakeshore had the lowest case rate.

Figure 4. Distribution of confirmed COVID-19 cases by municipality: October 25, 2021 – October 31, 2021

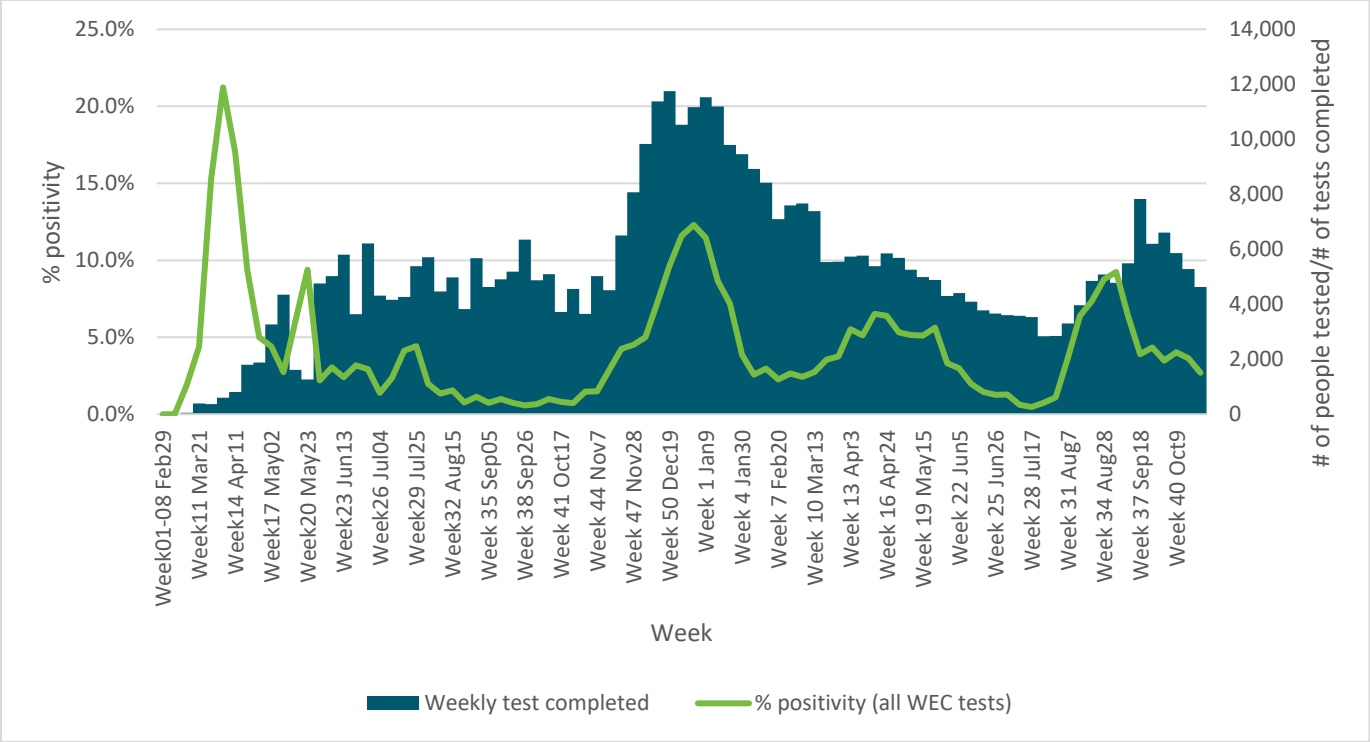


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [2/Nov/2021] at 4:30 pm

Percent Positivity

The percent positivity for the most recent completed week, October 17 – 23, is 2.7%, which has decreased by 0.9% in comparison to the previous week (October 10 – 16, 2021). Compared to other health units in the province, Windsor-Essex has the fifth highest percent positivity.

Figure 5. Percent positivity of tests conducted in Windsor-Essex County for COVID-19: April 1 to October 23, 2021

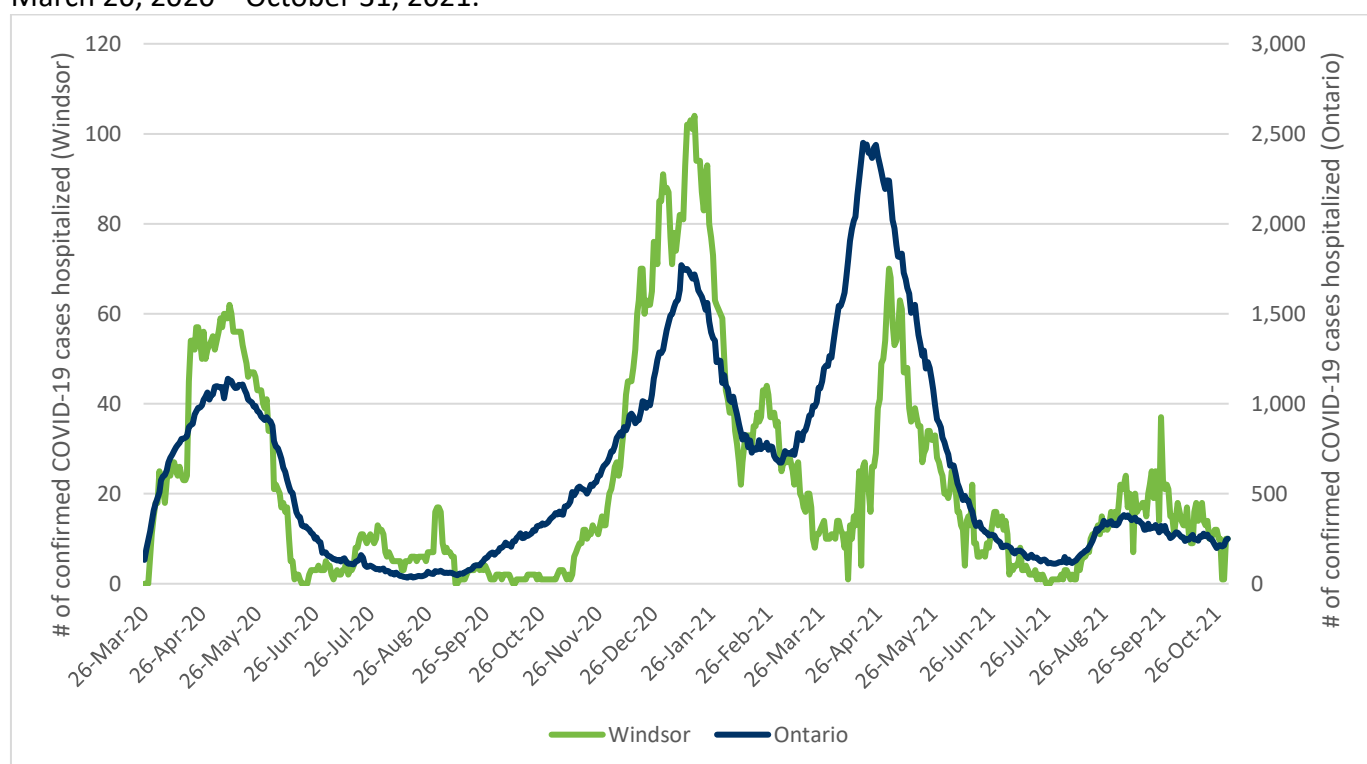


Source: COVID-19 Testing Report, SAS Visual Analytics Hub. Data extracted on November 2, 2021

Hospitalization and ICU Admissions

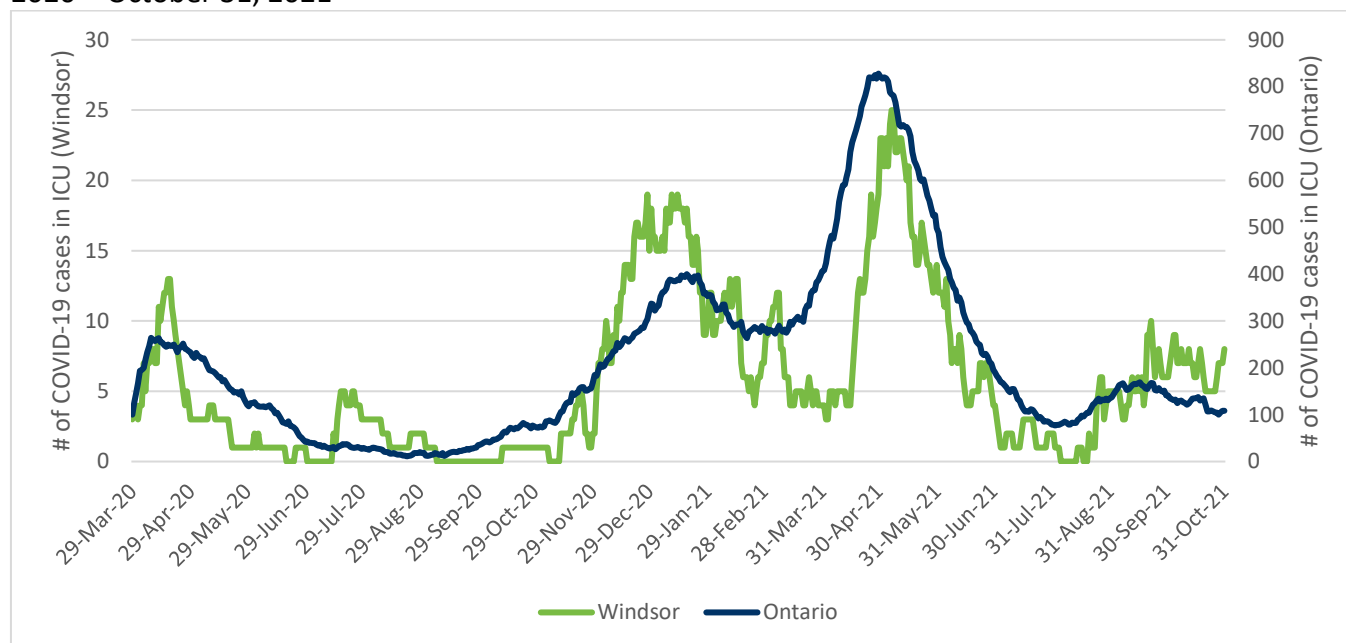
For the most recent week (October 25 – 31, 2021), there have been 10 new hospital admissions compared to 16 new admissions seen during the previous week (October 18 – 24, 2021). Four new COVID-19 patients were admitted to ICU for this week (October 25-31, 2021), compared to three admissions during the previous week. Similar trend was observed for Ontario as the average number of cases in ICU decreased from 120 to 105 (Figure 7).

Figure 6. Confirmed COVID-19 case in-patient hospitalizations in Ontario and Windsor-Essex County: March 26, 2020 – October 31, 2021.



Source: COVID-19 Regional Hospitals Report, SAS Visual Analytics Hub. Data extracted on November 2, 2021

Figure 7. Confirmed COVID-19 case ICU hospitalizations in Ontario and Windsor-Essex County: March 29, 2020 – October 31, 2021

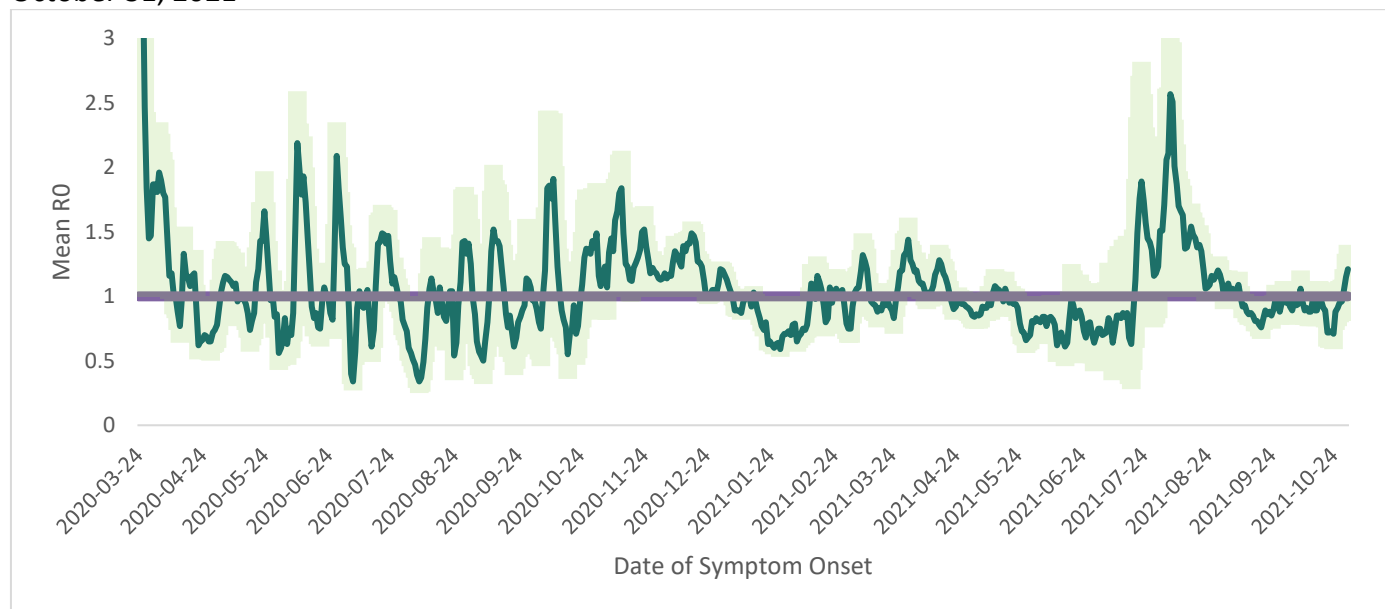


Source: COVID-19 Regional Hospitals Report, SAS Visual Analytics Hub. Data extracted on November 2, 2021

Effective Reproductive Number (R_t) for COVID-19

The average reproductive number for this week (October 25 – 31, 2021) has increased to 1.01 compared to 0.80 observed during the previous week (October 18 – 24, 2021). Highest reproductive number of 1.21 was observed on October 31, 2021.

Figure 8. Median effective reproductive number for COVID-19 in Windsor-Essex County: March 25, 2020 – October 31, 2021



Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [2/Nov/2021] at 4:30 pm.

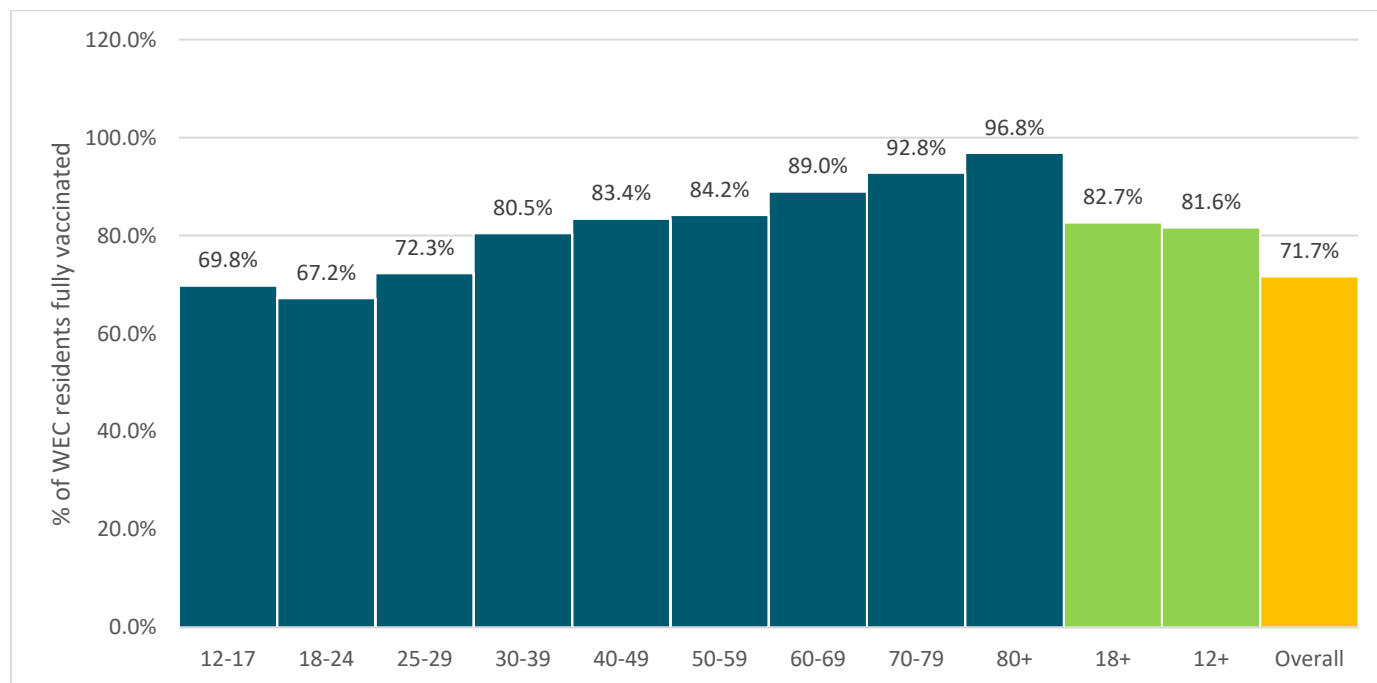
For more information on local COVID-19 statistics, please visit: <https://www.wechu.org/cv/local-updates>

COVID-19 Vaccination Status in Windsor-Essex County

Fully Vaccinated Coverage Rates by Age Group

Over 3069 doses were administered to Windsor-Essex County residents in the week 44 (October 27 to November 2) compared to 4014 doses in week 43 (October 20 to October 26). This represents a 23.5% decrease between the two weeks. Overall, the 18-24 age group has the lowest coverage rate for two vaccines (67.2%), followed by those in the 12-17 age group (69.8%) and 25-29 age group (72.3%) (Figure 9).

Figure 9. COVID-19 fully vaccinated coverage rate by age group in Windsor-Essex County: November 3, 2021

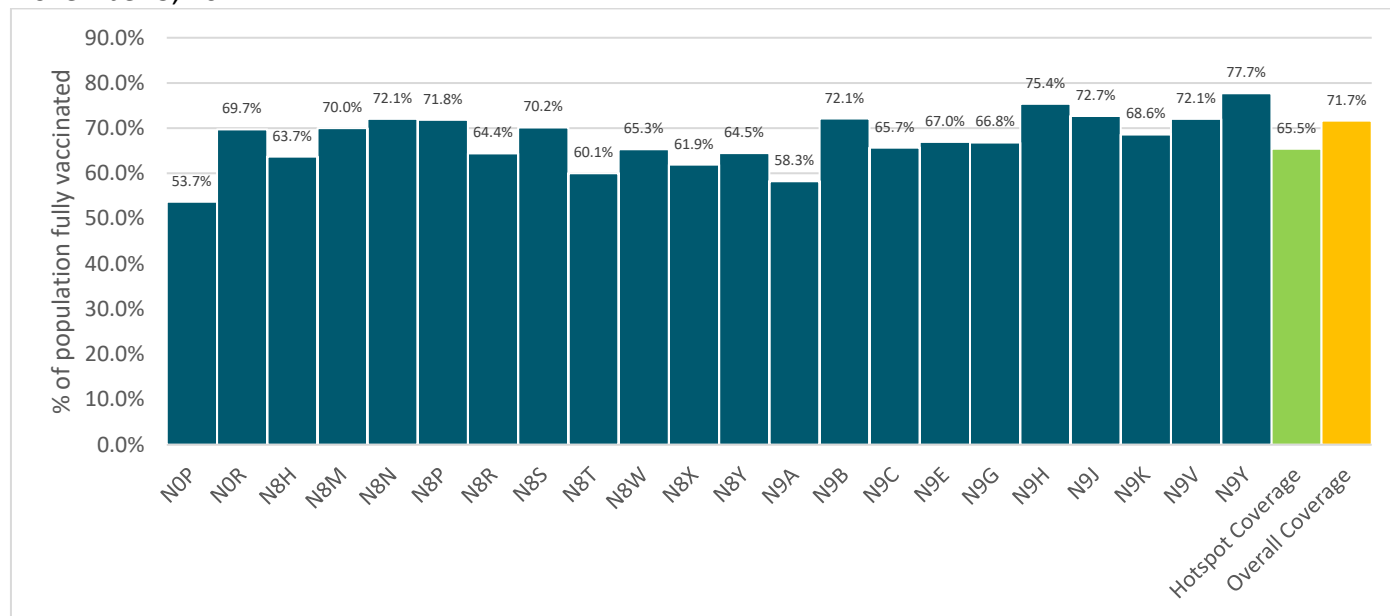


Source: Vaccine administration, Ontario Ministry of Health, IntelliHeath COVaxON. Data extracted on: November 3, 2021

Fully Vaccinated Coverage Rate by Forward Sortation Area (FSA)

The overall fully vaccinated coverage rate is 71.7% and the coverage rate for those fully vaccinated is 65.5% among the hotspot FSAs. Eight FSAs have a coverage rate that is lower than the overall coverage among hotspot FSAs. Among these, FSA NOP (53.7%), N9A (58.3%) and N8T (60.1%) have the lowest coverage rates in WEC. (Figure 10).

Figure 10: COVID-19 fully vaccinated coverage rate by Forward Sortation Area in Windsor-Essex County: November 3, 2021



Note: Coverage rates by FSA include all Windsor-Essex County residents including children 0 to 11 years of age who are not eligible to receive the vaccine

Source: Vaccine administration, Ontario Ministry of Health, IntelliHeath COVaxON. Data extracted on: November 3, 2021

For more information on local COVID-19 vaccine statistics, please visit:

<https://www.wechu.org/cv/vaccination-stats>