

Windsor-Essex County COVID-19 Weekly Epidemiologic Update

November 10, 2021

Data Highlights (as of November 9, 2021)

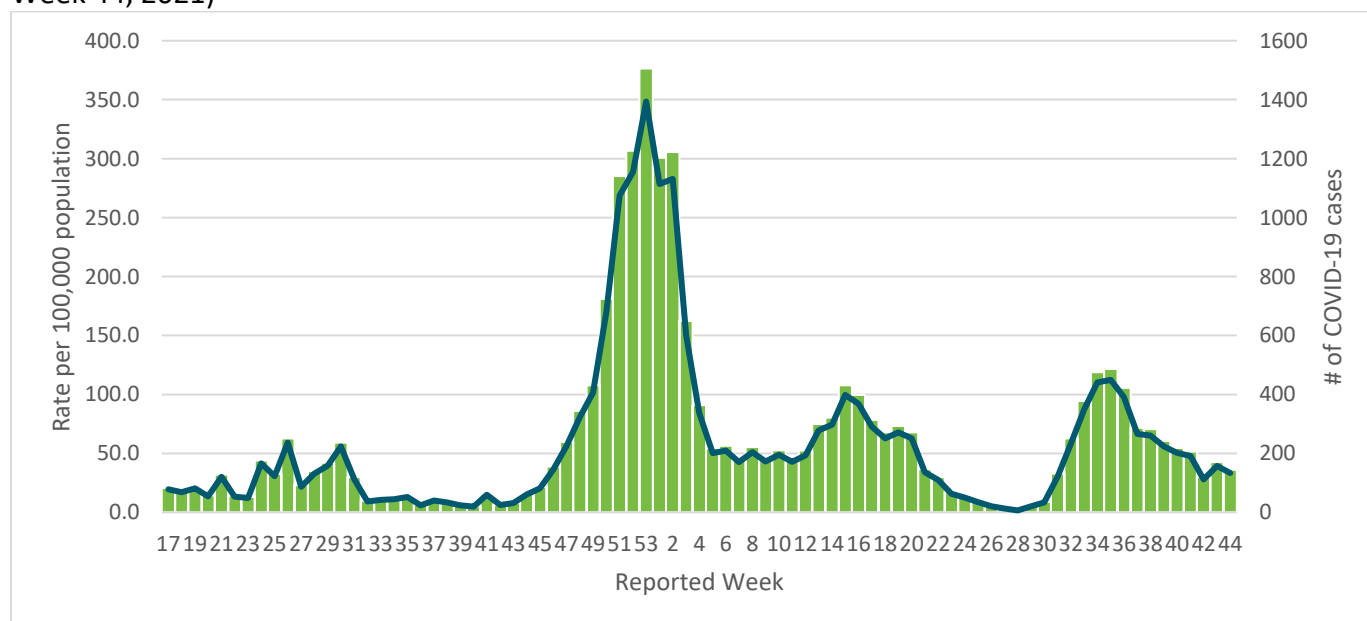
- 20,707 cases reported and 7-day moving average of 21.4 cases per 100,000 population.
- For the week of November 1 – 7, the case rate is 33.3 per 100,000 individuals, a decrease of 6 compared to the previous week.
- An increase of 0.6% in percent positivity was observed this week, as it increased from 2.7% (October 17 – 23, 2021) to 3.3% (October 24 – 30, 2021).
- Highest number of cases (22%) were seen among 0-19 year olds in the past two weeks.
- Leamington had the highest weekly case rate of 77.9 cases per 100,000 population.

COVID-19 Cases in Windsor-Essex County

Trends

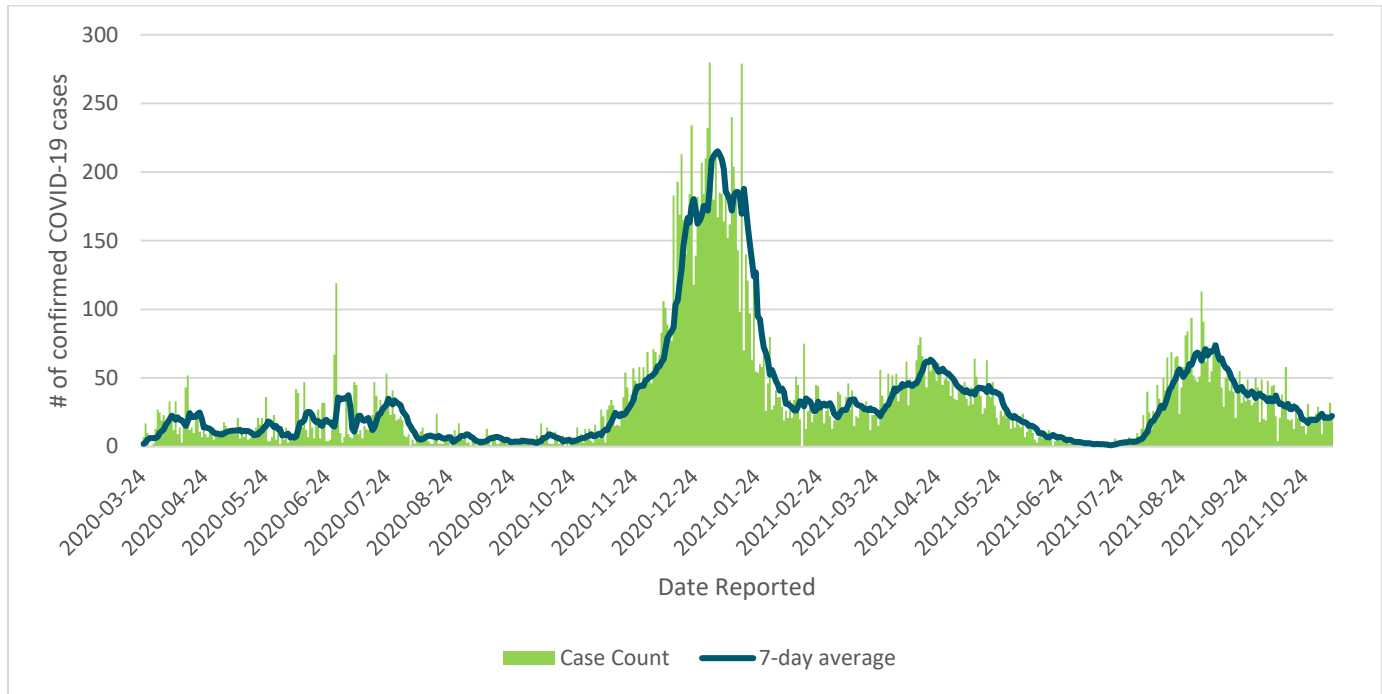
Up until November 7, the health unit reported 20,707 confirmed cases of COVID-19. For the most completed week November 1 – 7, 2021, the case rate was 33.3 cases per 100,000 population, which is lower than the previous week's rate (Oct 25 – 31, 2021; 39.3 cases per 100,000 population; Figure 1). As can be seen in Figure 2, the current 7-day moving average of cases in WEC is 21.4 cases per 100,000.

Figure 1: Confirmed COVID-19 case rates in Windsor-Essex County by reported week: Week 17, 2020 to Week 44, 2021)



Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [09/Nov/2021] at 4:30 pm.

Figure 2. Confirmed COVID-19 cases in Windsor-Essex County by date: March 1, 2020 to November 7, 2021

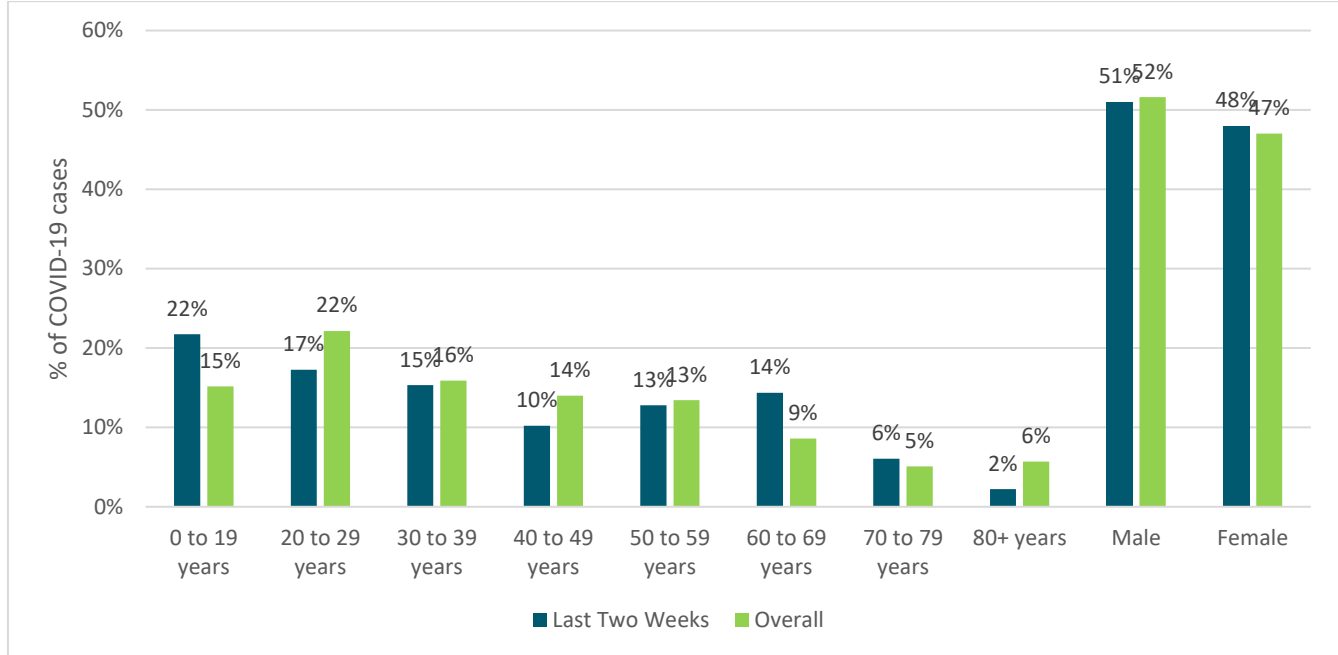


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [09/Nov/2021] at 4:30 pm

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 (22%) of cases, in the past two weeks (Oct 25 – November 7, 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 and a higher number of cases were observed for 60-69 year olds during the past two weeks (Figure 3). From the onset of the pandemic locally (March 1, 2020 to November 7, 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.

Figure 3: Distribution of confirmed COVID-19 cases by age and sex by reported date: March 1, 2020 to November 7, 2021

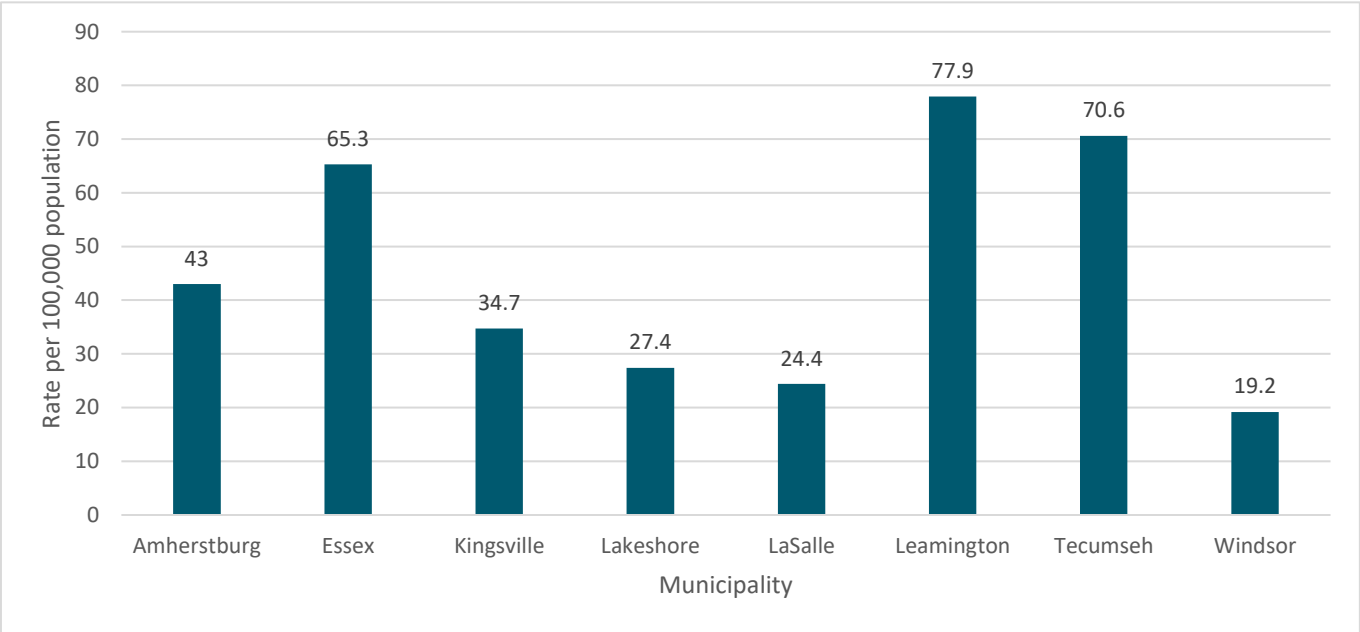


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [09/Nov/2021] at 4:30 pm

Municipal Distribution

In the most recent completed week (November 1 - 7, 2021), Leamington had the highest case rate (77.9 cases per 100,000 population), followed by Tecumseh (70.6 cases per 100,000 population) and Essex (65.3 cases per 100,000 population). Of all the municipalities, Windsor had the lowest case rate (19.2 cases per 100,000 population)

Figure 4. Distribution of confirmed COVID-19 cases by municipality: November 1, 2021 – November 7, 2021.

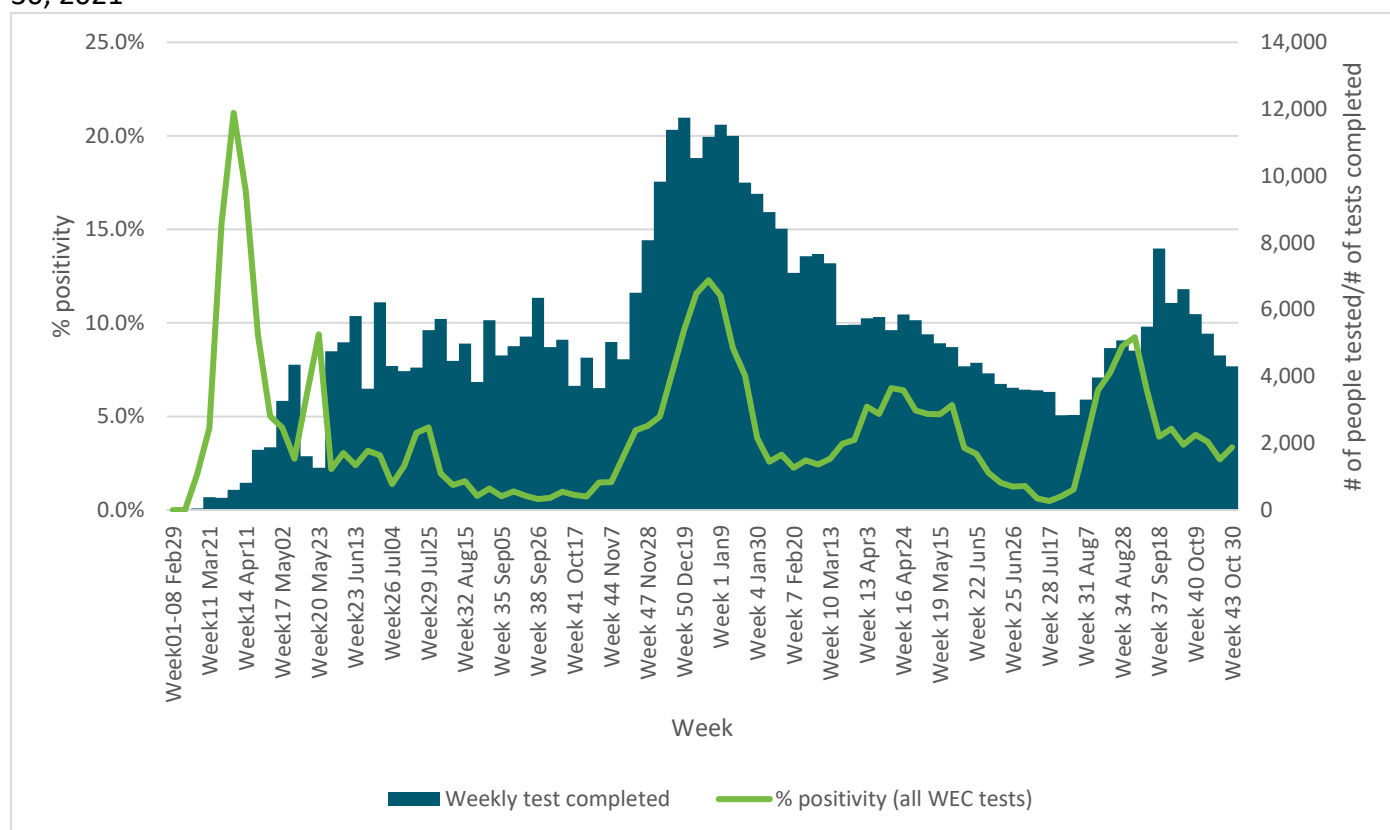


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [9/Nov/2021] at 4:30 pm.

Percent Positivity

The percent positivity for the most recent completed week, October 24 – 30, is 3.3%, which has increased by 0.6% in comparison to the previous week (October 17 – 23, 2021). Compared to other health units in the province, Windsor-Essex has the seventh highest percent positivity.

Figure 5. Percent positivity of tests conducted in Windsor-Essex County for COVID-19: April 1 to October 30, 2021

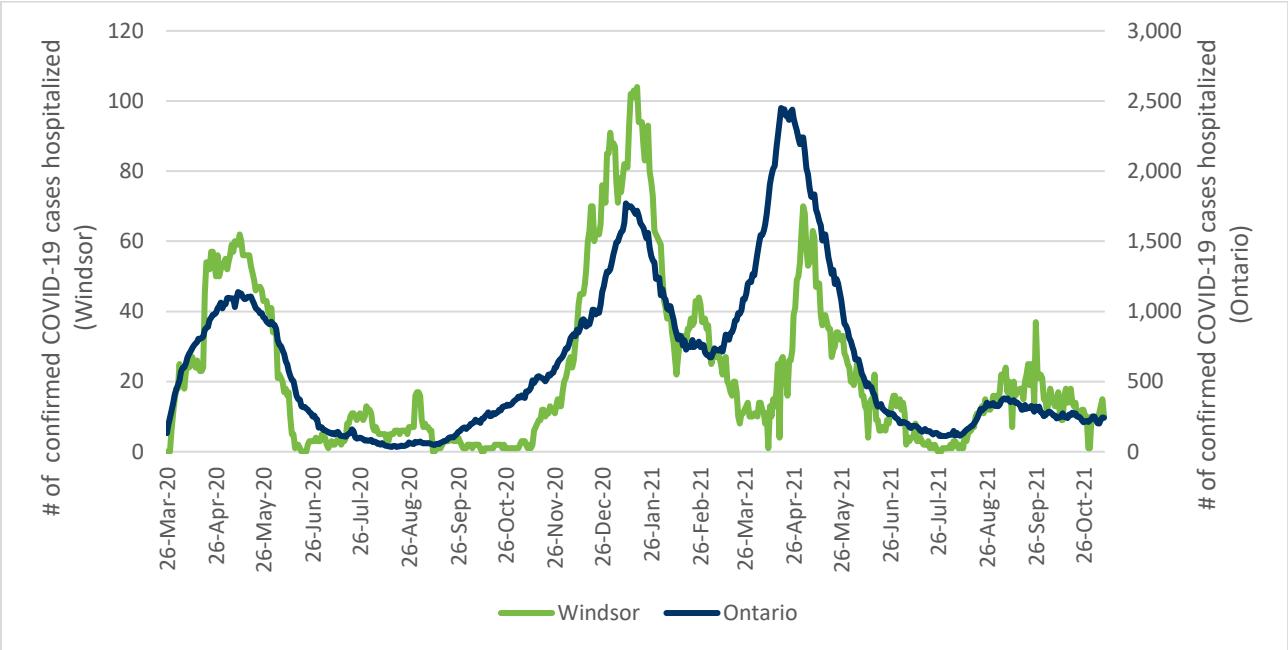


Source: COVID-19 Testing Report, SAS Visual Analytics Hub. Data extracted on November 10, 2021

Hospitalization and ICU Admissions

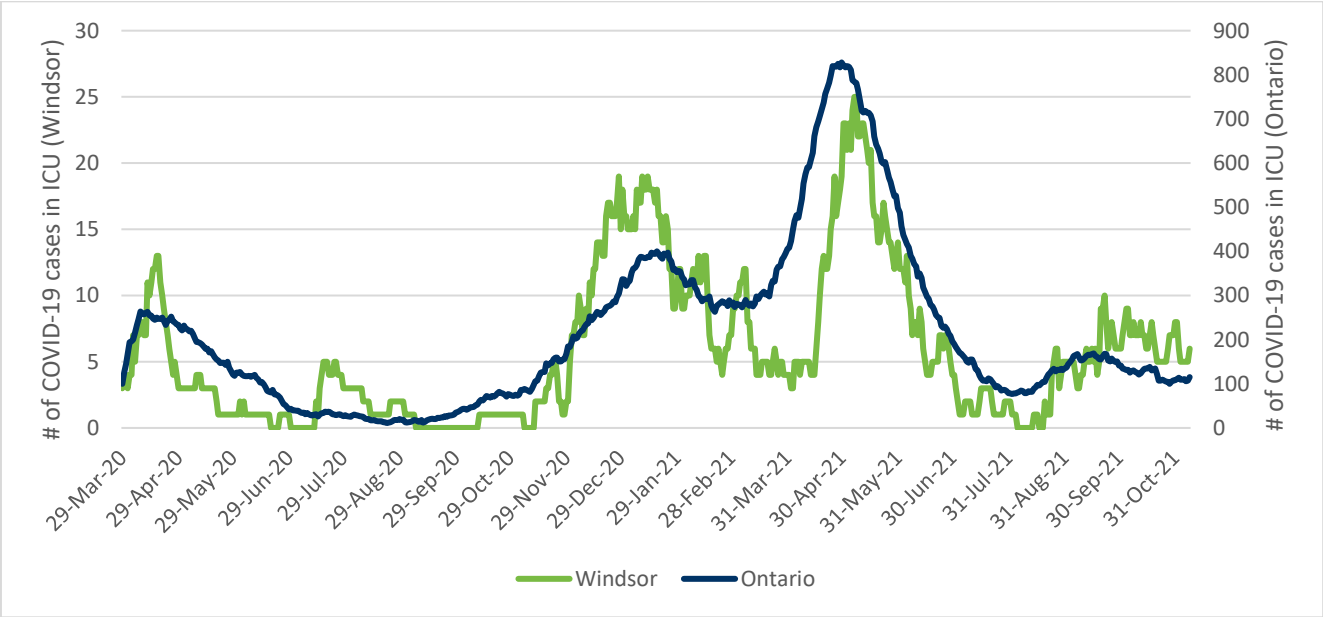
For the most recent week (November 1 – 7, 2021), there have been 15 new hospital admissions compared to 10 new admissions seen during the previous week (October 25 – 31, 2021). Two new COVID-19 patients were admitted to ICU for this week (November 1 – 7, 2021), compared to four admissions during the previous week. Compared to the last week, Ontario reported an increase in the average number of cases in ICU from 105 to 110 (Figure 7).

Figure 6. Confirmed COVID-19 case in-patient hospitalizations in Ontario and Windsor-Essex County: March 26, 2020 – November 7, 2021.



Source: COVID-19 Regional Hospitals Report, SAS Visual Analytics Hub. Data extracted on November 10, 2021

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

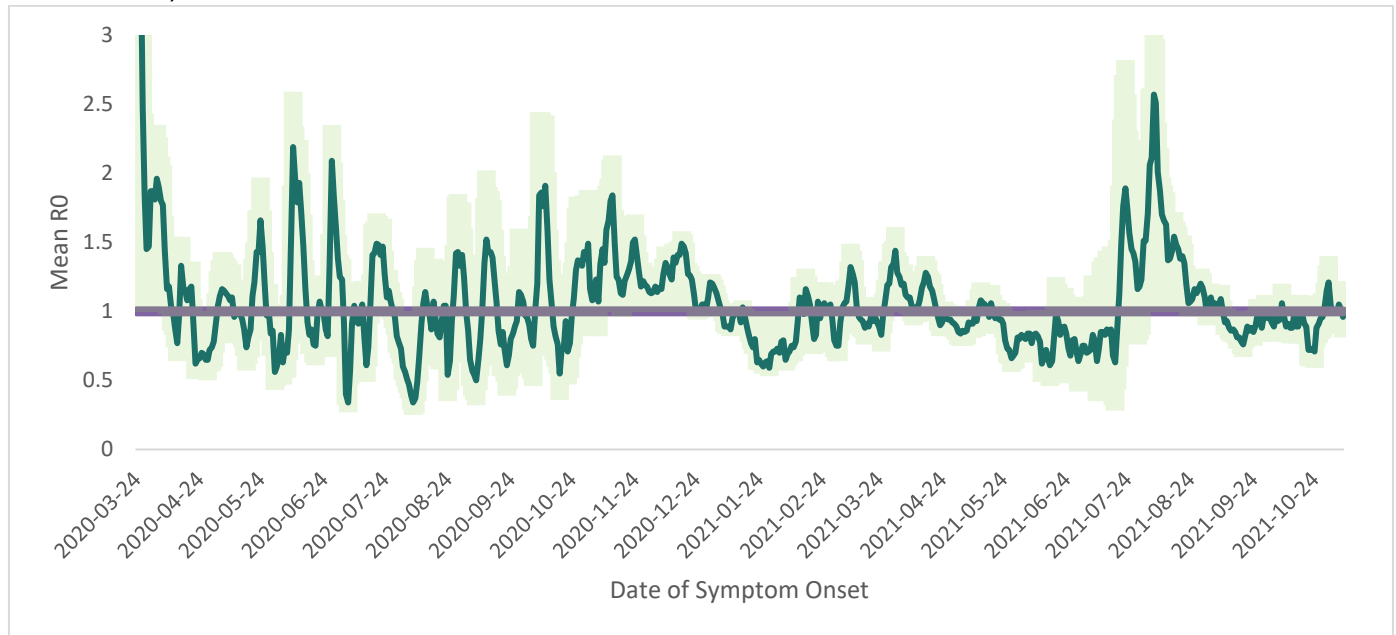


Source: COVID-19 Regional Hospitals Report, SAS Visual Analytics Hub. Data extracted on November 10, 2021

Effective Reproductive Number (Rt) for COVID-19

Compared to the previous week, the average reproductive number for this week (November 1 – 7, 2021) has remain unchanged at one. During the current week, highest reproductive number of 1.05 was observed on November 5, 2021, after which a slight decline towards one was observed.

Figure 8: Median effective reproductive number for COVID-19 in Windsor-Essex County: March 25, 2020 – November 7, 2021



Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [9/Nov/2021] at 4:30 pm.

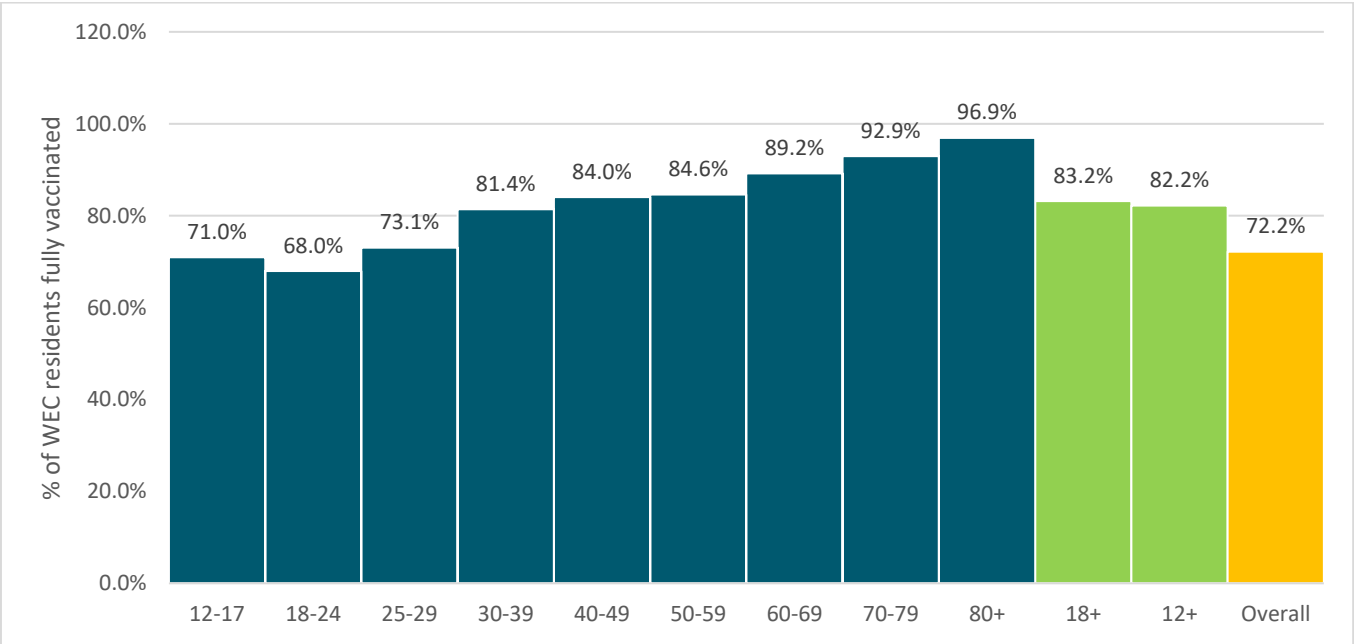
For more information on local COVID-19 statistics, please visit: <https://www.wechu.org/cv/local-updates>

COVID-19 Vaccination Status in Windsor-Essex County

Fully Vaccinated Coverage Rates by Age Group

Over 4610 doses were administered to Windsor-Essex County residents in week 45 (November 3 to November 9) compared to 3101 doses in week 44 (October 27 to November 2). This represents a 48.7% increase between the two weeks. Overall, the 18-24 age group has the lowest coverage rate for two vaccines (68.0%), followed by those in the 12-17 age group (71.0%) and 25-29 age group (73.1%) (Figure 9).

Figure 9: COVID-19 fully vaccinated coverage rate by age group in Windsor-Essex County: November 10, 2021.

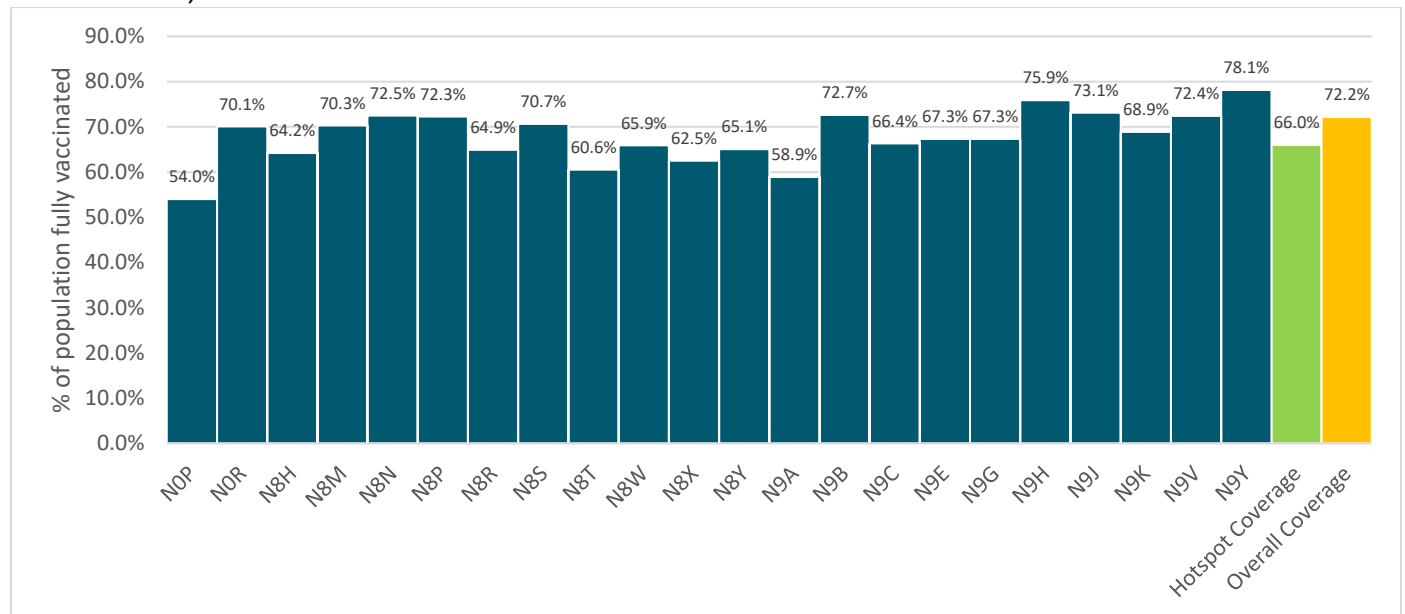


Source: Vaccine administration, Ontario Ministry of Health, IntelliHeath COVaxON. Data extracted on: November 10, 2021

Fully Vaccinated Coverage Rate by Forward Sortation Area (FSA)

The overall fully vaccinated coverage rate is 72.2% and the coverage rate for those fully vaccinated is 66.0% among the hotspot FSAs. Eight FSAs have a coverage rate that is lower than the overall coverage among hotspot FSAs. Among these, FSA NOP (54%), N9A (58.9%) and N8T (60.6%) 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 10, 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 10, 2021

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

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