

Windsor-Essex County COVID-19 Weekly Epidemiologic Update

October 27, 2021

Data Highlights (as of October 25, 2021)

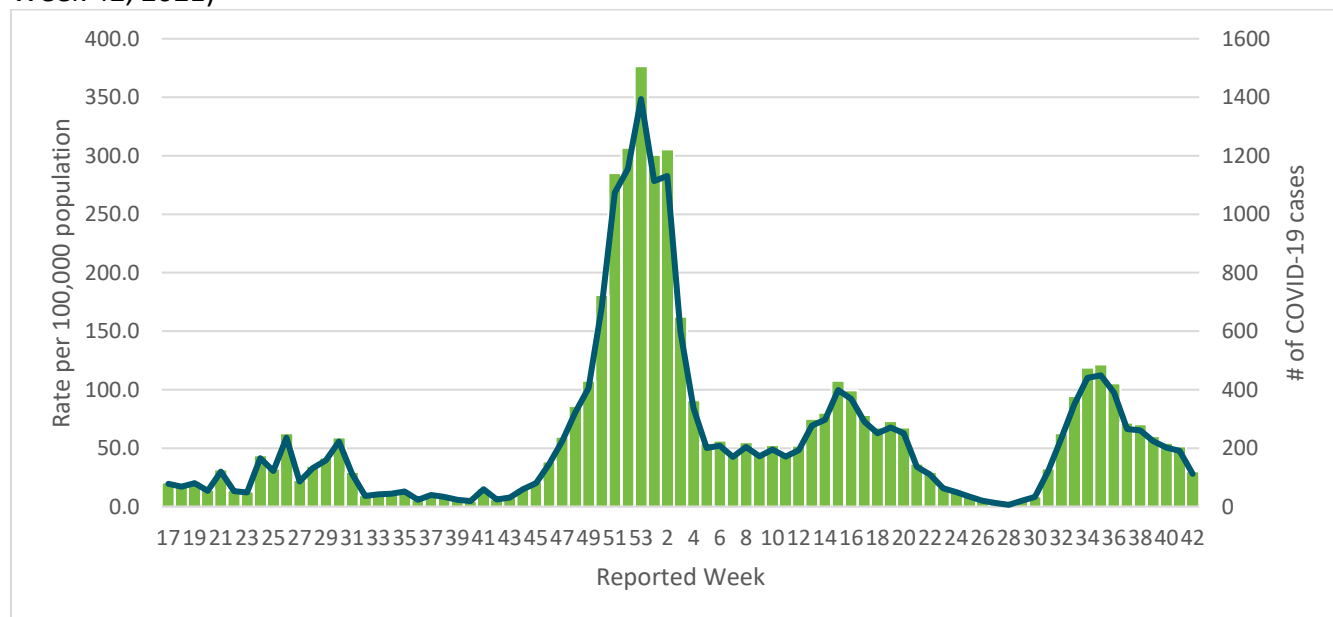
- 20,395 cases reported and 7-day moving average of 18.9 cases.
- For the week of October 18 – 24, the case rate is 28 per 100,000 individuals, a decrease of 19.7 compared to the previous week.
- A decrease of 0.4% in percent positivity was observed this week, as it decreased from 4.0% (October 3 – 9, 2021) to 3.6% (October 10 – 16, 2021).
- Highest number of cases were seen among 0-19 year olds in the past two weeks.
- Leamington had the highest weekly case rate of 64.4 cases per 100,000 population.

COVID-19 Cases in Windsor-Essex County

Trends

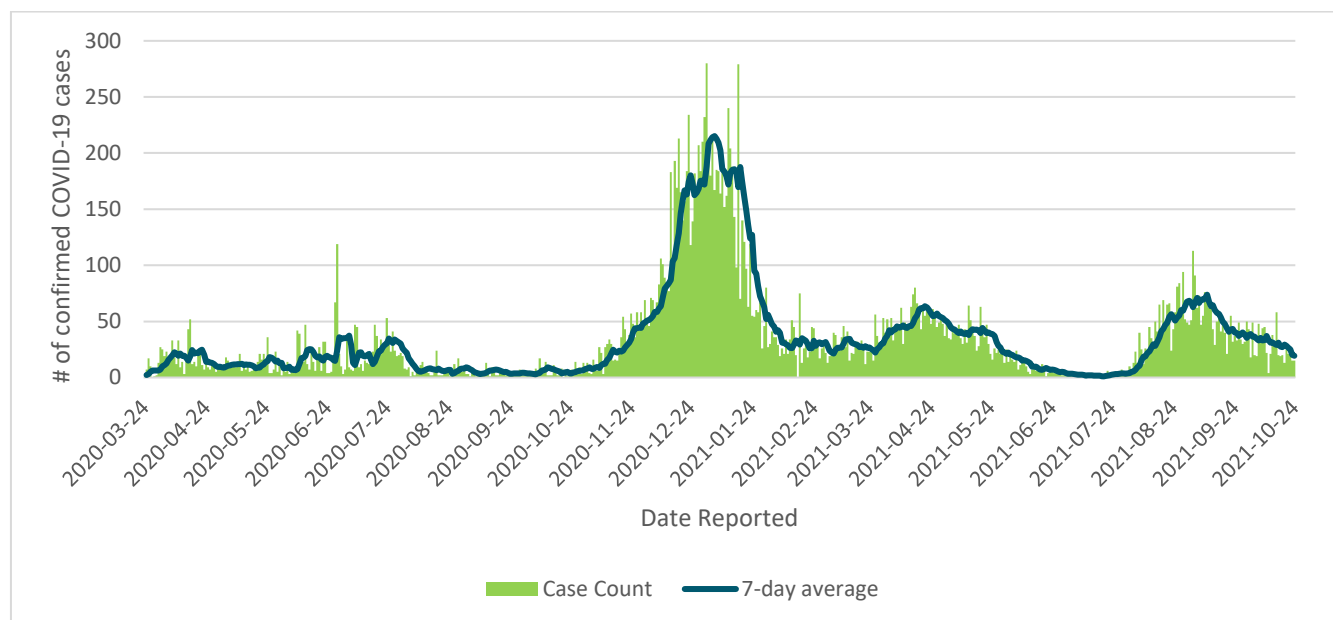
Up until October 24, the health unit reported 20,395 confirmed cases of COVID-19. For the most completed week October 18 – 24, 2021, the case rate was 28 cases per 100,000 population, which is much lower compared to the previous week's rate (Oct 11 – 17, 2021; 47.7 cases per 100,000 population; Figure 1). As can be seen in Figure 2, the current 7-day moving average of cases in WEC is 18.9.

Figure 1. Confirmed COVID-19 case rates in Windsor-Essex County by reported week: Week 17, 2020 to Week 42, 2021)



Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [25/Oct/2021] at 4:30 pm.

Figure 2. Confirmed COVID-19 cases in Windsor-Essex County by date: March 1, 2020 to October 24, 2021

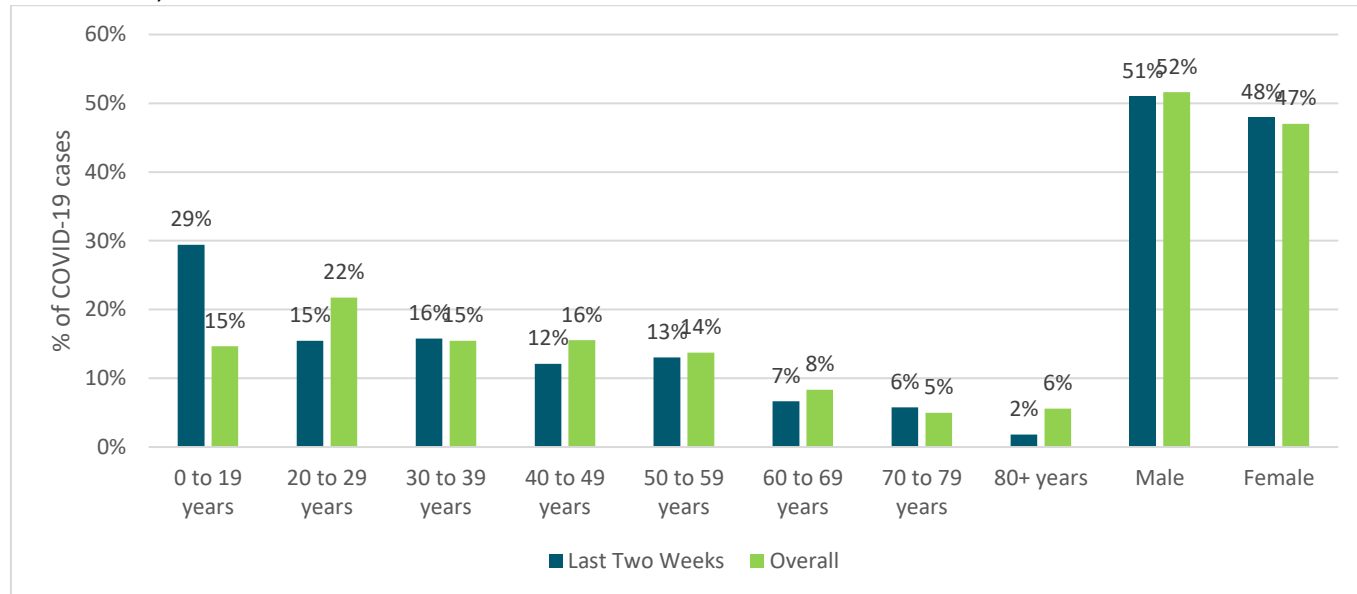


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [25/Oct/2021] at 4:30 pm

Age and Sex

Overall, approximately 47% (n=9630) of the cases were among females and 52% (n=10596) among males. One percent of the cases have an unknown gender. A disproportionately (29%) higher number of cases, in the past two weeks (Oct 11 – 24, 2021), were reported among those 0 to 19 years of age, followed by 15% among those 20 to 29 years of age, and 16% in the 30 to 39 year olds (Figure 3). Comparatively, from the onset of the pandemic locally (March 1, 2020 to October 24, 2021), only 15% of our cases were in the 0 to 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 current outbreaks are in schools.

Figure 3. Distribution of confirmed COVID-19 cases by age and sex by reported date: March 1, 2020 to October 24, 2021

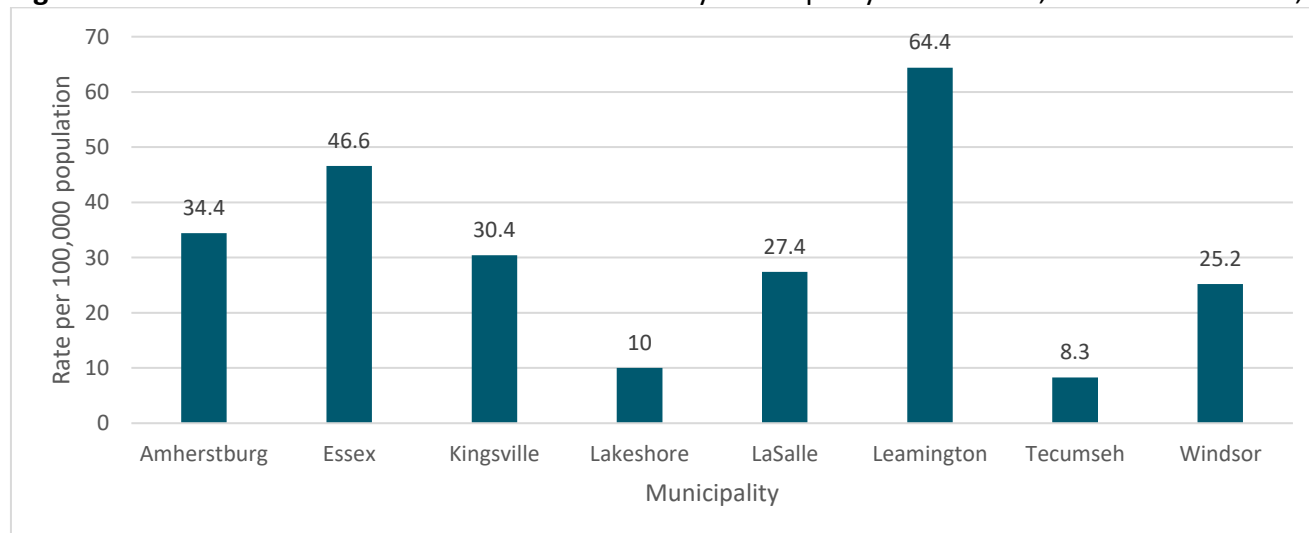


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [25/Oct/2021] at 4:30 pm

Municipal Distribution

In the most recent completed week (October 18-24, 2021), Leamington had the highest case rates (64.4 cases per 100,000 population), followed by Essex (46.6 cases per 100,000 population) and the City of Amherstburg (34.4 cases per 100,000 population).

Figure 4. Distribution of confirmed COVID-19 cases by municipality: October 18, 2021 – October 24, 2021

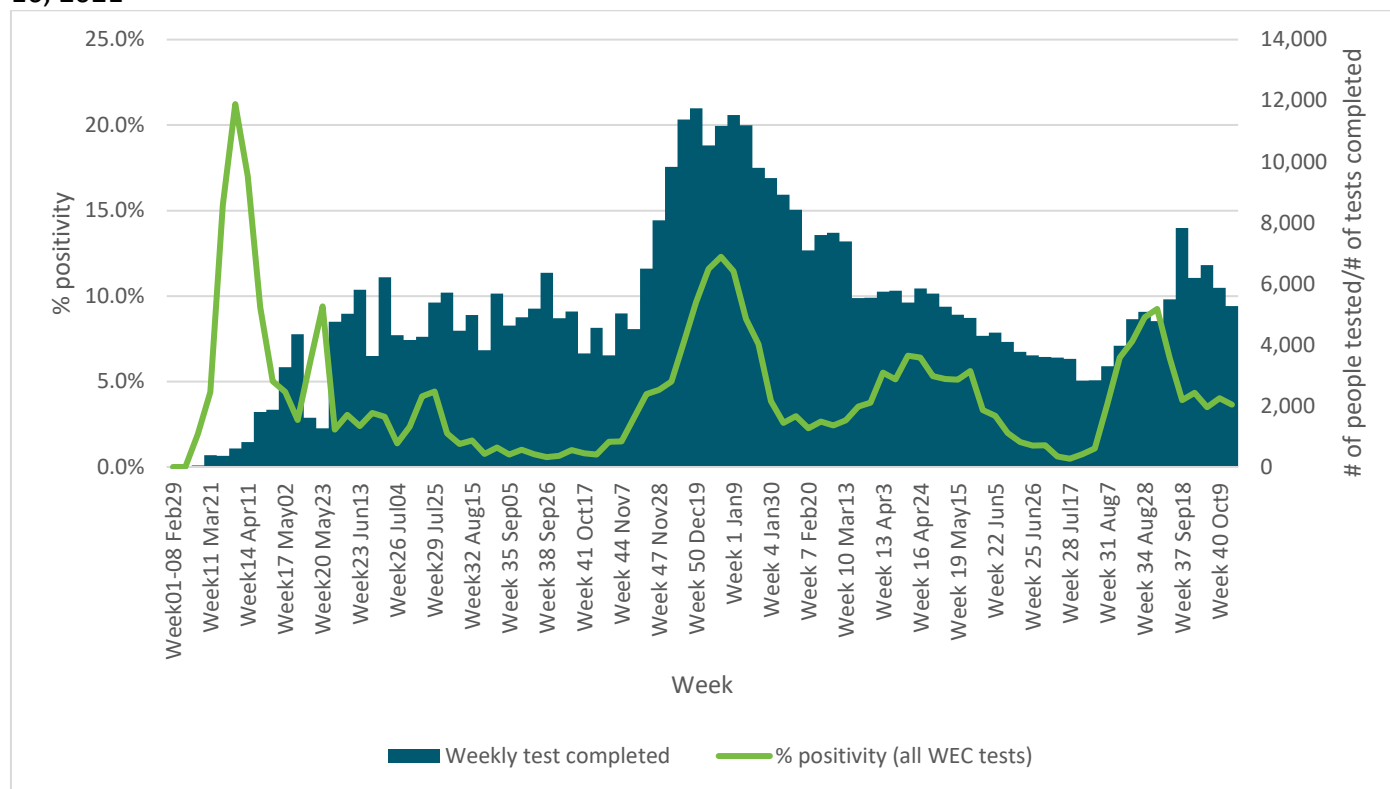


Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [25/Oct/2021] at 4:30 pm

Percent Positivity

The percent positivity for the most recent completed week, October 10 – 16, is 3.6%, which has decreased by 0.4% in comparison to the previous week (October 3 – 9, 2021). Compared to other health units in the province, Windsor-Essex has one of the highest percent positivity.

Figure 5. Percent positivity of tests conducted in Windsor-Essex County for COVID-19: April 1 to October 16, 2021

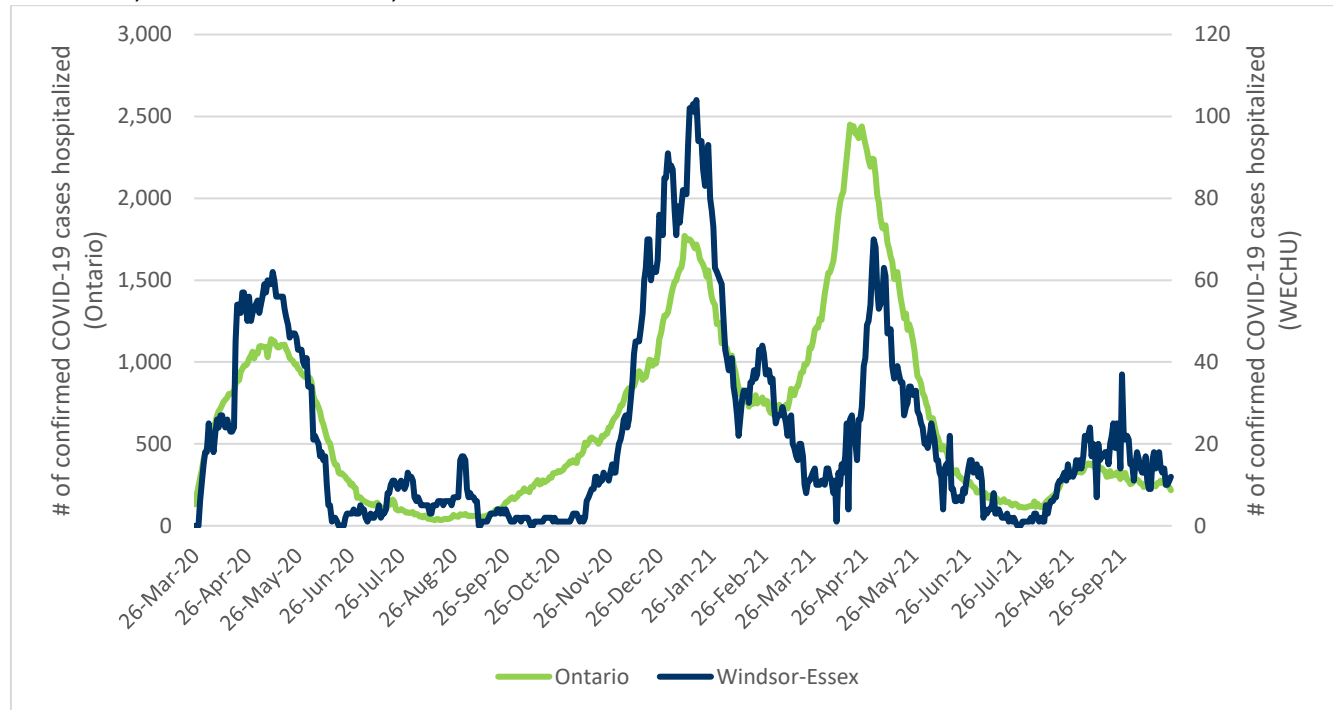


Source: COVID-19 Testing Report, SAS Visual Analytics Hub. Data extracted on October 26, 2021

Hospitalization and ICU Admissions

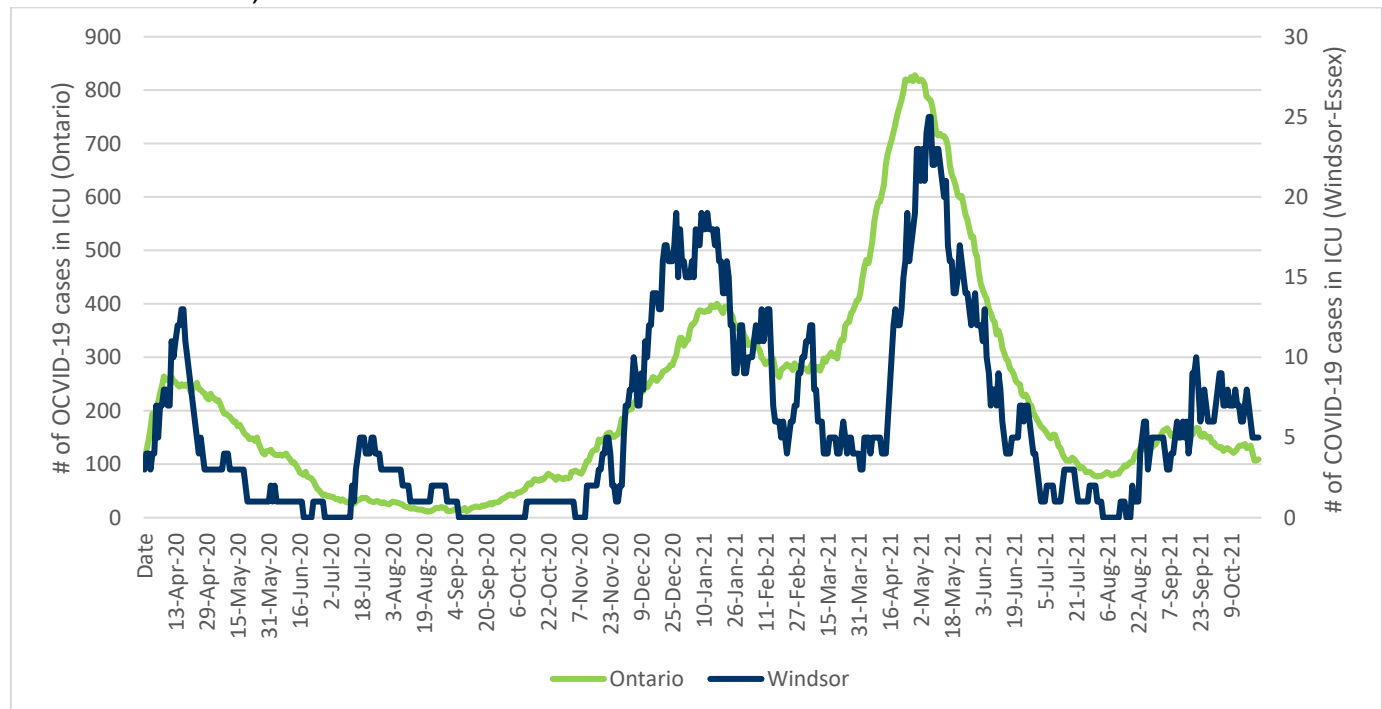
For the most recent week (October 18 – 24, 2021), there have been 16 new hospital admissions compared to 18 new admissions seen during the previous week (October 11 – 17, 2021). 3 new COVID-19 patients were admitted to ICU for this week (October 18-24, 2021), compare to 4 admissions during the previous week. Similar trend was observed for Ontario as the average number of cases in ICU decreased from 131 to 120 (Figure 7).

Figure 6. Confirmed COVID-19 case in-patient hospitalizations in Ontario and Windsor-Essex County: March 26, 2020 – October 20, 2021.



Source: COVID-19 Regional Hospitals Report, SAS Visual Analytics Hub. Data extracted on October 26, 2021

Figure 7. Confirmed COVID-19 case ICU hospitalizations in Ontario and Windsor-Essex County: March 29, 2020 – October 24, 2021

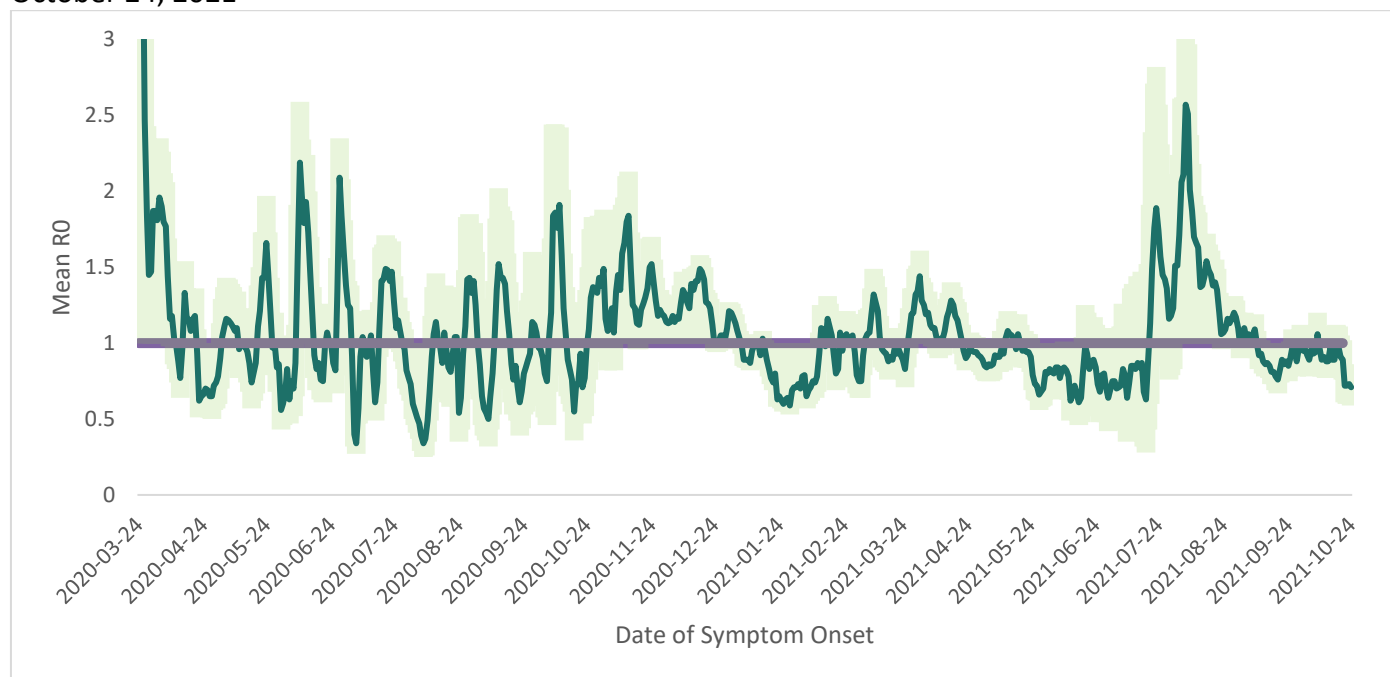


Source: COVID-19 Regional Hospitals Report, SAS Visual Analytics Hub. Data extracted on October 26, 2021

Effective Reproductive Number (Rt) for COVID-19

The average reproductive number for this week (October 18 – 24) has decreased to 0.81 compared to 0.91 observed during the previous week (October 11 – 17). As the vaccination rates increase, a further decline is expected.

Figure 8. Median effective reproductive number for COVID-19 in Windsor-Essex County: March 24, 2020 – October 24, 2021



Source: Ontario Ministry of Health, Public Health Case and Contact Management Solution (CCM), extracted by the Windsor-Essex County Health Unit [25/Oct/2021] at 4:30 pm

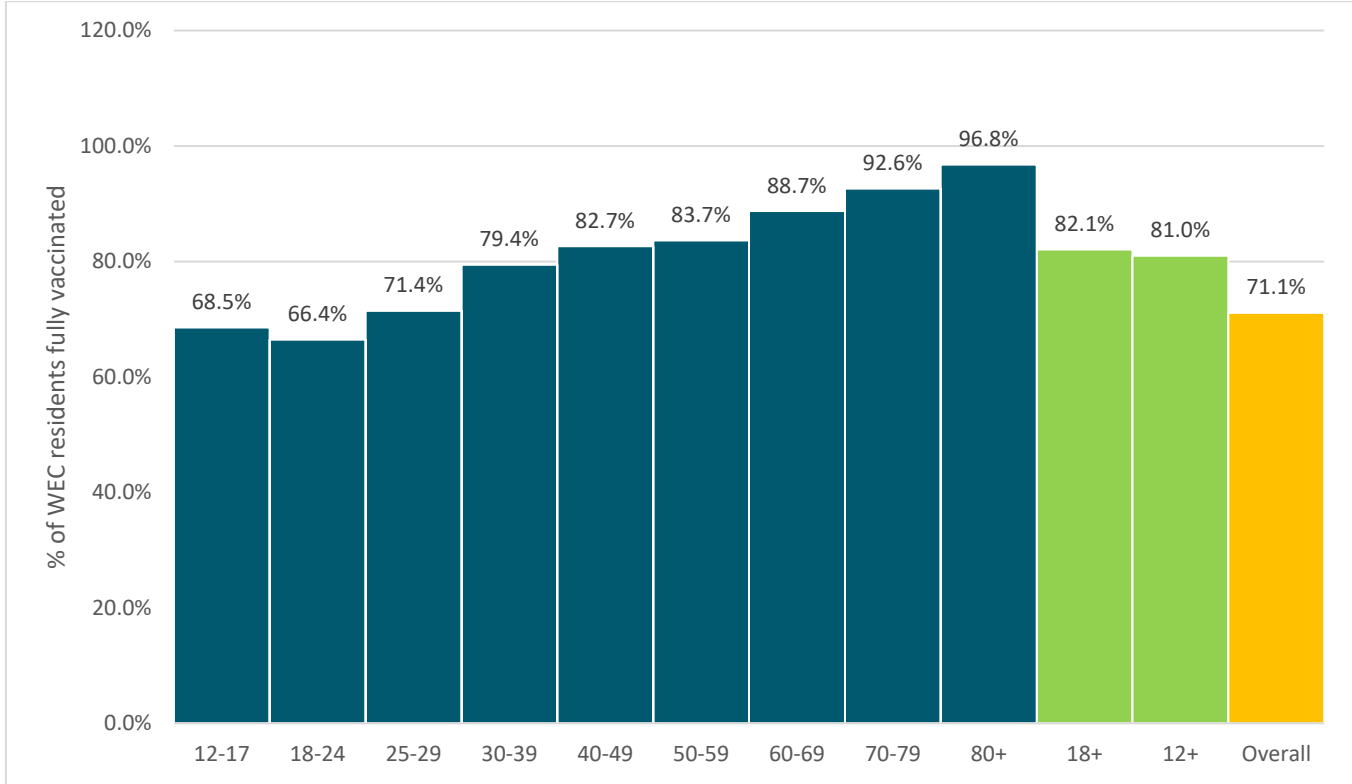
For more information on local COVID-19 statistics, please visit: <https://www.wechu.org/cv/local-updates>

COVID-19 Vaccination Status in Windsor-Essex County

Fully Vaccinated Coverage Rates by Age Group

Over 4007 doses were administered to Windsor-Essex County residents in the week 43 (October 20 to October 26) compared to 4416 doses in week 42 (October 13 to October 19). This represents a 9.3% decrease between the two weeks. Overall, the 18-24 age group has the lowest coverage rate for two vaccines (66.4%), followed by those in the 12-17 age group (68.5%) and 25-29 age group (71.4%) (Figure 9).

Figure 9. COVID-19 fully vaccinated coverage rate by age group in Windsor-Essex County: October 27, 2021

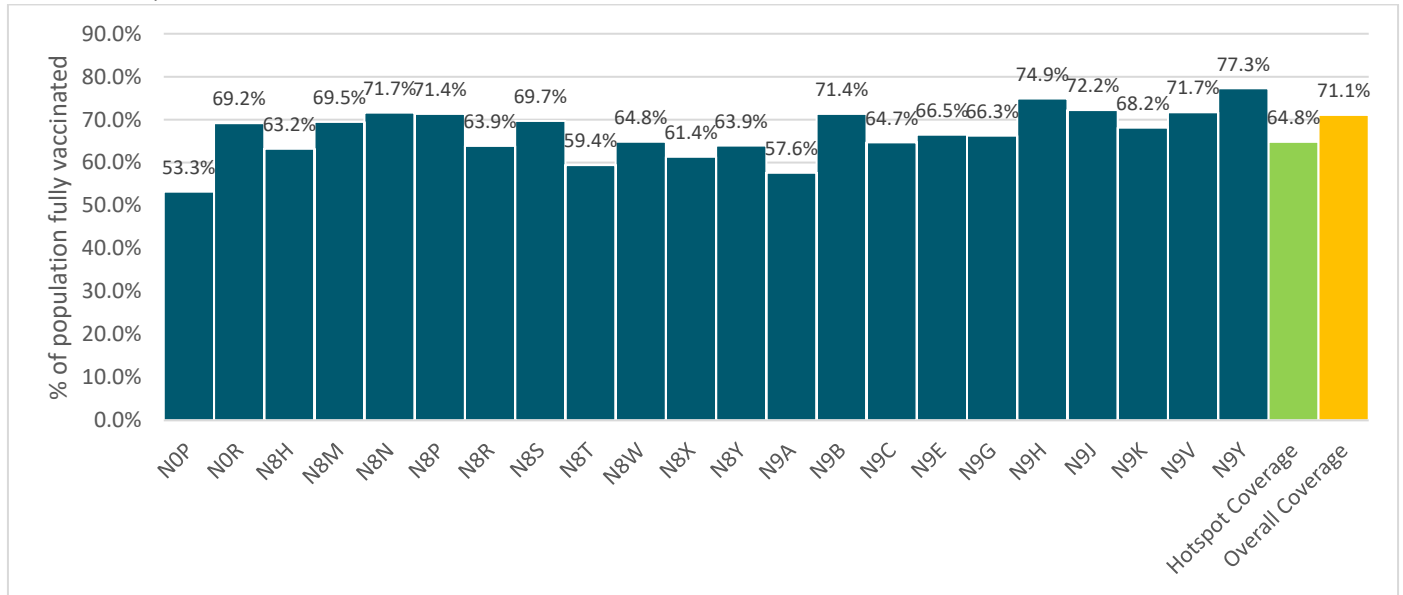


Source: Vaccine administration, Ontario Ministry of Health, IntelliHeath COVaxON. Data extracted on: October 27, 2021

Fully Vaccinated Coverage Rate by Forward Sortation Area (FSA)

The overall fully vaccinated coverage rate is 71.1% and the coverage rate for those fully vaccinated is 64.8% among the hotspot FSAs. Seven FSAs have a coverage rate that is lower than the overall coverage among hotspot FSAs. Among these, FSA NOP (53.3%), N9A (57.6%) and N8T (59.4%) have the lowest coverage rates in WEC.

Figure 10: COVID-19 fully vaccinated coverage rate by Forward Sortation Area in Windsor-Essex County: October 27, 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: October 27, 2021

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

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