

Response to COVID-19: April 2021 Update

Presentation to the Board of Health

April 12, 2021



Status of COVID-19 Epidemic in Toronto

We have surpassed 125,000 cases in Toronto

SUMMARY OF COVID-19 CASES IN TORONTO



All Cases

Case Count*	125,497
Recovered Cases	111,043
City Incidence Rate per 100,000 People	4,594
Fatal Cases	2,867
Ever Hospitalized	7,344
Ever in ICU	1,281



Currently Hospitalized	632
Currently in ICU	108

As of April 11, 2021



CASES IN THE COMMUNITY	85%
Recovered Cases	94,567
Median Age At Time of Illness	37
Percent Female	48%
Percent Male	51%
Fatal Cases	1,009
Median Age of Deaths	80
OB ASSOCIATED CASES**	15%
Recovered Cases	16,476
Median Age At Time of Illness	55
Percent Female	58%
Percent Male	40%
Fatal Cases	1,858
Median Age of Deaths	88

*Includes confirmed and probable cases

**Outbreak associated cases include persons with COVID-19 within a defined group or setting. These are generally in healthcare (e.g., long-term care homes, hospitals) and residential or congregate settings (e.g., homeless shelters, group homes), but can also be in workplaces and other settings

[†]Gender was unknown or other for some cases

Monitoring dashboard – as of April 9*, 2021

Virus Spread and Containment

Status: RED - Indicators trending away from goals

New COVID-19 cases, 7 day moving average¹

931

Goal: A 14-day decline* OR a stable trend with less than an average of 1 case per 100,000 per day (30 cases).

New Hospitalizations, 7 day moving average¹

34.6

Goal: A 14-day decline OR a stable trend with less than an average of 2 hospitalizations per million population per day (6 hospitalizations).

Active daily COVID-19 outbreaks in institutions¹

33

Goal: A 14-day decline* OR a stable trend AND below 10% of healthcare institutions with an active outbreak (18 facilities).

Effective Reproductive Number for COVID-19 Cases²

$R_t = 1.07$

(90% CI 0.88 to 1.25)

Hover over number for data note
Goal: Under 1.0

Laboratory Testing

Status: YELLOW - Indicators need attention

Percent of new COVID-19 tests with a turnaround time of 24hrs¹

74%

within 24 hours
(7 day moving average)

Goal: $\geq 60\%$ within 24 hours

Percent of new COVID-19 tests with a turnaround time of 48hrs¹

95%

within 48 hours
(7 day moving average)

Goal: $\geq 80\%$ within 48 hours

COVID-19 Laboratory Tests Percent Positivity, previous week average³

8.4%

Goal: $< 3\%$ positivity

* **Notes:** 1) Data as of: April 8, 2021 2) R_t calculated by date of infection using confirmed case data from August 1, 2020 to April 4, 2021, 3) Data as of: Week ending April 3, 2021 4) Data as of April 7, 2021 5) Data as of March 28, 2021

Increased COVID-19 hospitalizations and deaths are associated with VOC in Toronto

Adjusted odds ratios and 95% confidence intervals for risk of COVID-19 hospitalizations and deaths in Toronto

Mortality: non-VOC 68 (1.2%), VOC 54 (1.1%)

Variable	OR ¹	95% CI ¹	p-value
VOC	1.91	1.23, 2.97	0.004
Days since 7 Feb 2021	0.95	0.93, 0.97	<0.001
Male	1.22	0.82, 1.81	0.3
10-year increase in age	4.26	3.52, 5.25	<0.001
Any comorbidity	2.35	1.50, 3.65	<0.001

Hospitalization: non-VOC 286 (5.2%), VOC 246 (4.9%)

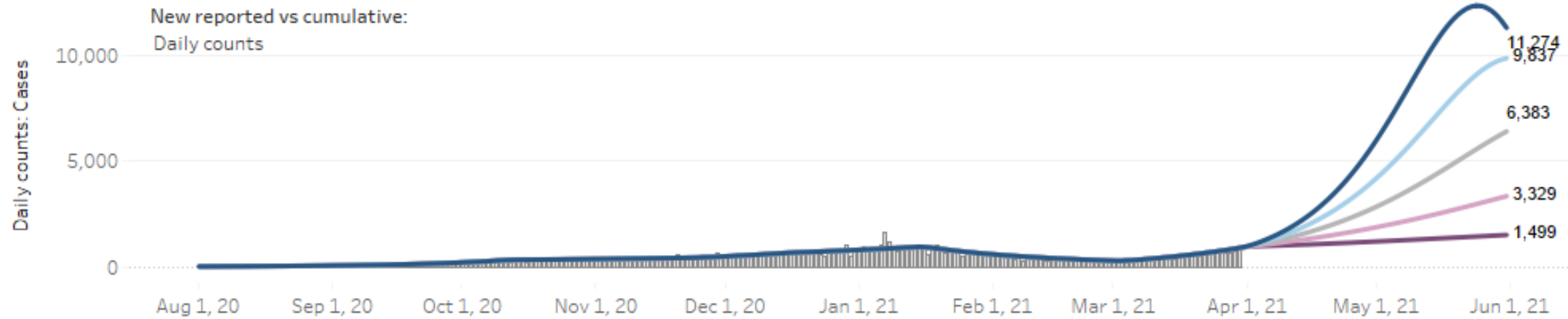
Variable	OR ¹	95% CI ¹	p-value
VOC	1.36	1.10, 1.69	0.005
Days since 7 Feb 2021	0.98	0.97, 0.99	<0.001
Male	1.25	1.03, 1.52	0.021
10-year increase in age	2.11	1.99, 2.24	<0.001
Any comorbidity	2.57	1.98, 3.31	<0.001

Logistic regression model includes 10,519 cases in Toronto with a case report date between Feb 7 and Mar 16, 2021 that were tested for VOCs (5,540 non-VOC and 4,979 VOC). Excludes long-term care residents. Comorbidities include one or more of: asthma, immunocompromised, COPD, hematological disease, malignancy, cardiovascular disease, renal disease, neurological condition, diabetes, obesity, liver disease.

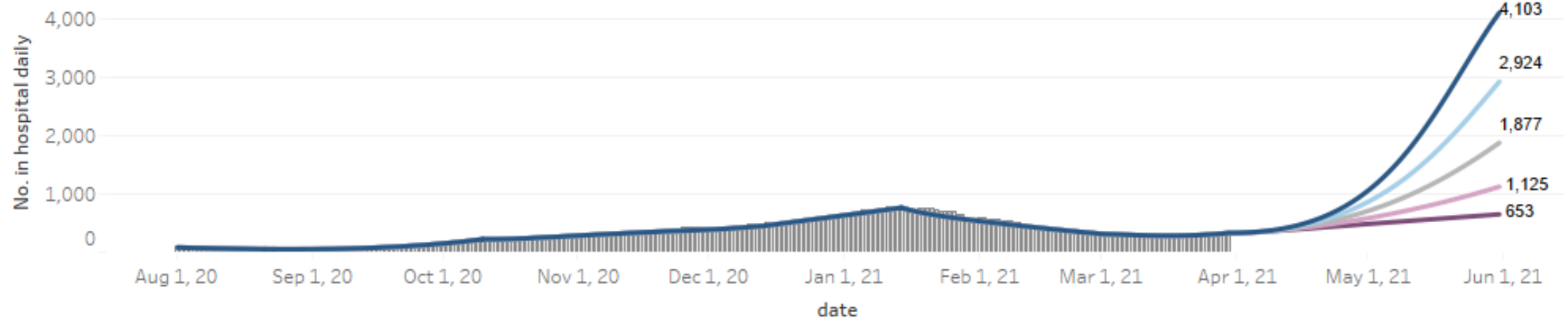
Infections due to VOCs were associated with a 91% relative increase in COVID-19 deaths and a 36% relative increase in COVID-19 hospitalizations in Toronto

Toronto on track to see 2,500 daily cases by the end of April

Reported daily cases

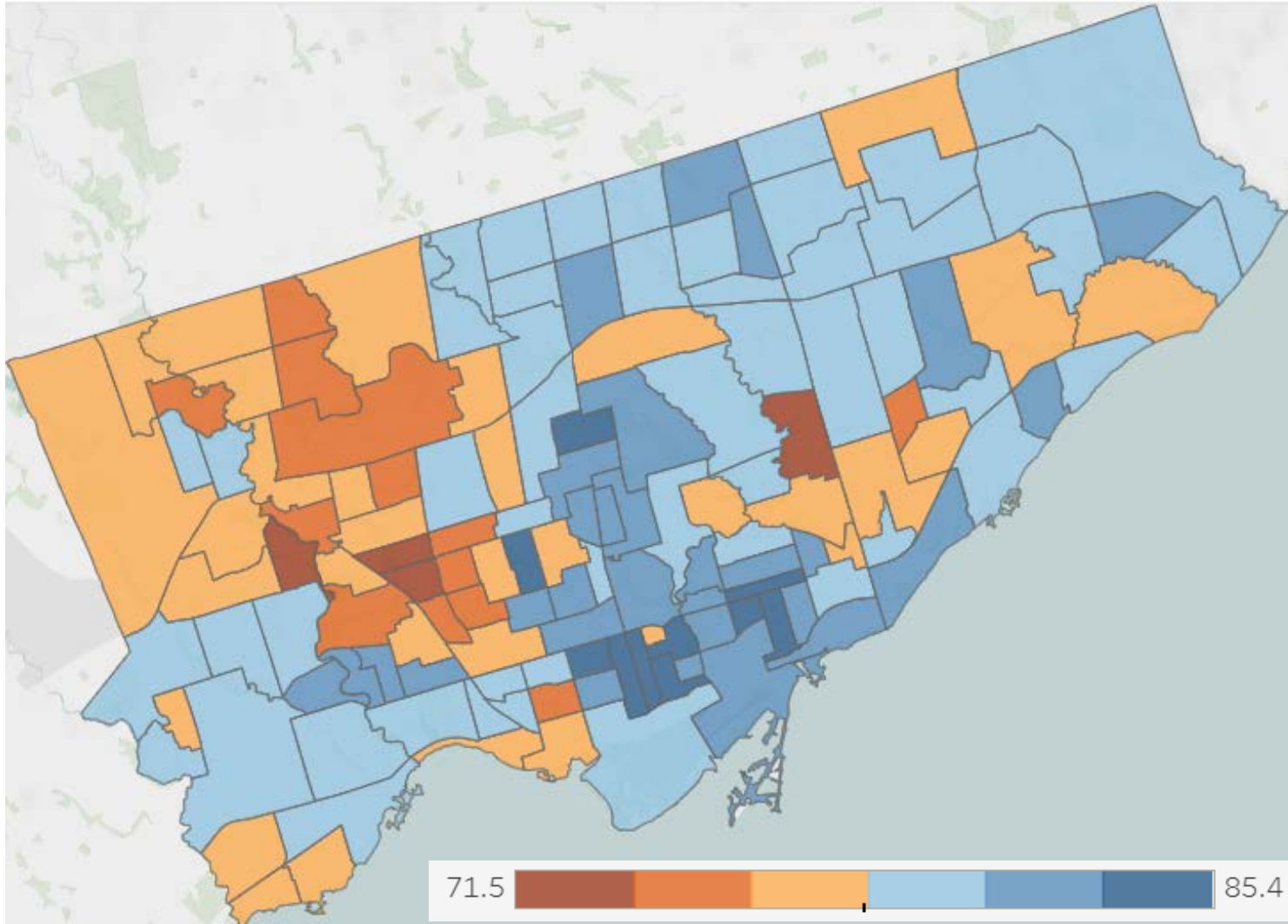


Daily number of people in hospital



Most recent week saw reduced mobility, but not in all parts of the City

Proportion of device-time at home, by neighbourhood, week of Mar 28 – Apr 3, 2021



**Most recent week
(Mar 21-27, 2021)**
Range 71.5% to 85.4%

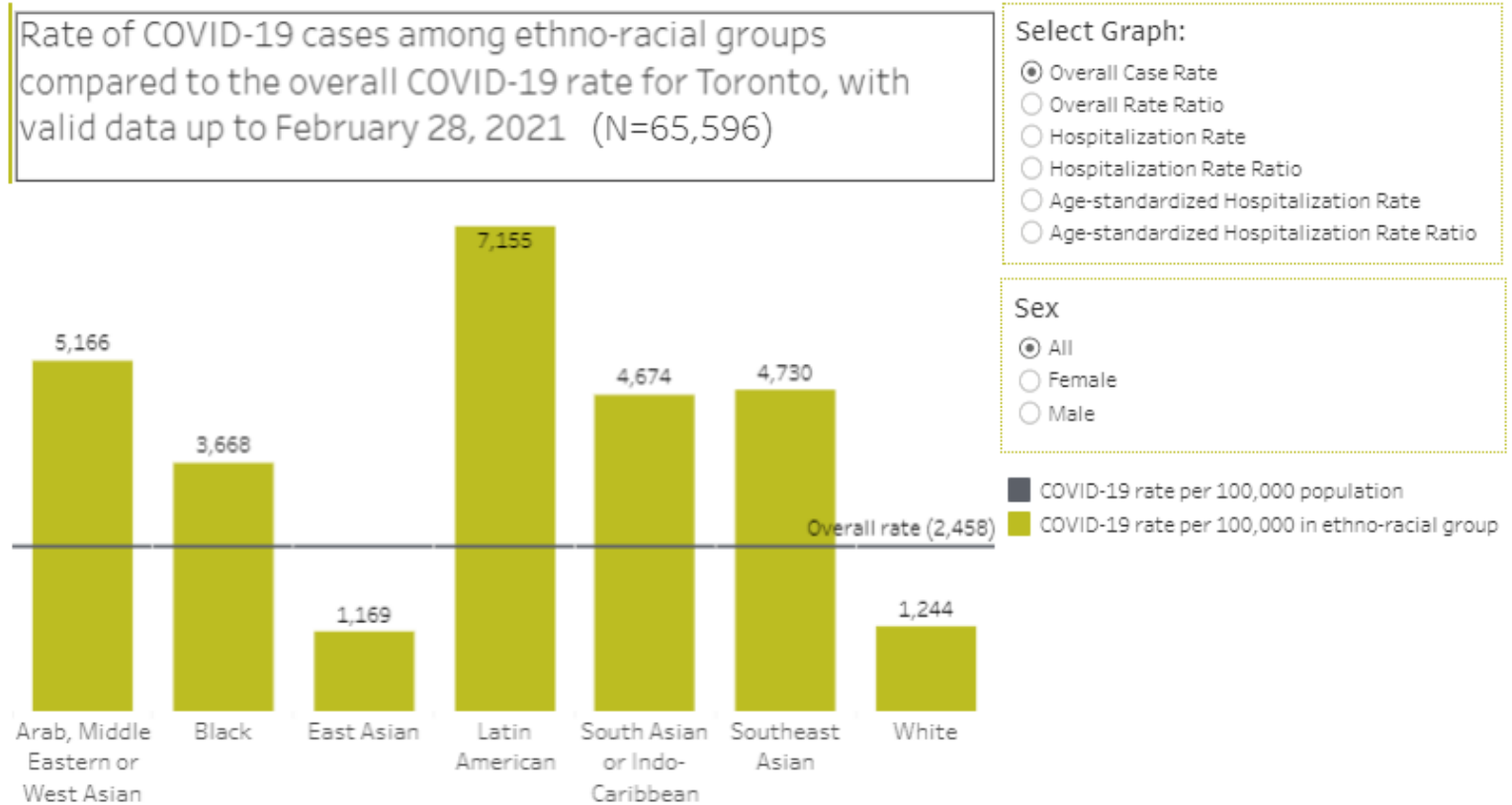
**% change from previous week
(Mar 21-27, 2021)**
Range -0.9% to +6.8%

**% change from same week last year
(Mar 29-Apr 4, 2020)**
Range -11.9% to +4.4%

**% change from week before
provincial shutdown
(Dec 13-19, 2020)**
Range -2.1% to +6.7%

The same race and income groups continue to be over-represented

- A total of 76% of cases as of February 28th are racialized.
- Latin American populations have the highest monthly reported case rates, and the highest hospitalization rate.
- In February, the Arab, Middle Eastern and West Asian population had the second highest reported case rate, followed by the Southeast Asian population and South Asian population
- After adjusting for age, the hospitalization rate in the lower income population was 3 times as high as the rate in those who were not low income.



Data are as of February 28th, 2021

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Public Health Measures

Provincial and City Public Health Measures

Provincial public health measures increased

- April 3: entire province moved into the Shutdown category of the Reopening Ontario Act
- April 7: Province declared 3rd provincial emergency
- April 8:
 - Province enacted a province wide Stay-at-Home order for 4 weeks
 - Closed in-person non-essential retail, including restricting big box stores to essential goods only
 - Restricted residential evictions

City public health measures increased – schools move to remote learning

- April 6: Toronto Public Health issued a S.22 order to move all Toronto schools to remote learning effective April 7 until April 18
- An extension of this order may be considered based on COVID-19 epidemiological data for Toronto.
- Evidence shows that schools should be the first places in our community to open, and the last to close – decision not taken lightly

Vaccine Update

Team Toronto vaccine rollout update

Toronto Public Health continues to quickly vaccinate those likely to be seriously ill

- **Work continues to complete Phase 1 groups:**
 - Staff and essential caregivers in long-term care homes, high-risk retirement homes and First Nations elder care homes.
 - Health care workers
 - People aged 80 years and over
 - Indigenous adults
 - Adult recipients of chronic home care
 - Shelters*
- **Focus is on age and high incidence areas in response to circulation of more transmissible variants to reduce morbidity and mortality.**

Province moves to Phase 2 of COVID-19 vaccine distribution plan

- April 6, the Province moved into Phase 2 of the COVID-19 vaccine distribution plan
- During Phase 2, the following groups will be eligible for vaccination:
 - Older adults, between 60-79 years of age;
 - Individuals with specific health conditions and some primary caregivers;
 - People who live and work in congregate settings and some primary caregivers;
 - People who live in hot spots with high rates of death, hospitalizations and transmission; and,
 - Certain workers who cannot work from home.

Phase 2 of vaccine rollout (as of April 9)

Category	Where to Access Vaccine	Estimated Timeline
Adults aged 60+ Adults aged 50+ (hotspots)	City run clinics, hospitals, mobile clinics and pop-ups	Ongoing
Adults aged 55+	Pharmacies and primary care (Astra Zeneca)	Ongoing
Chronic Conditions	Hospital	Highest Risk – April 2021 At-risk – May 2021
Congregate Settings	Mobile clinics and City run clinics	April – June 2021
Hotspots 18+	Mobile clinics and pop-up clinics (all vaccination partners)	April – June 2021
Essential Workers (cannot work from home)	Workplace based pilots	April 2021

- On April 6, an additional City-run clinic began operations at The Hangar in North York.
- The three remaining City-run clinics are ready and scheduled to launch today - **Monday, April 12:**
 - **Carmine Stefano Community Centre** (*3100 Weston Road*)
 - **Cloverdale Mall** (*250 The East Mall*)
 - **North Toronto Memorial Community Centre** (*200 Eglinton Avenue West*)

All 3 sites will open fully booked – indicating high levels of community support.

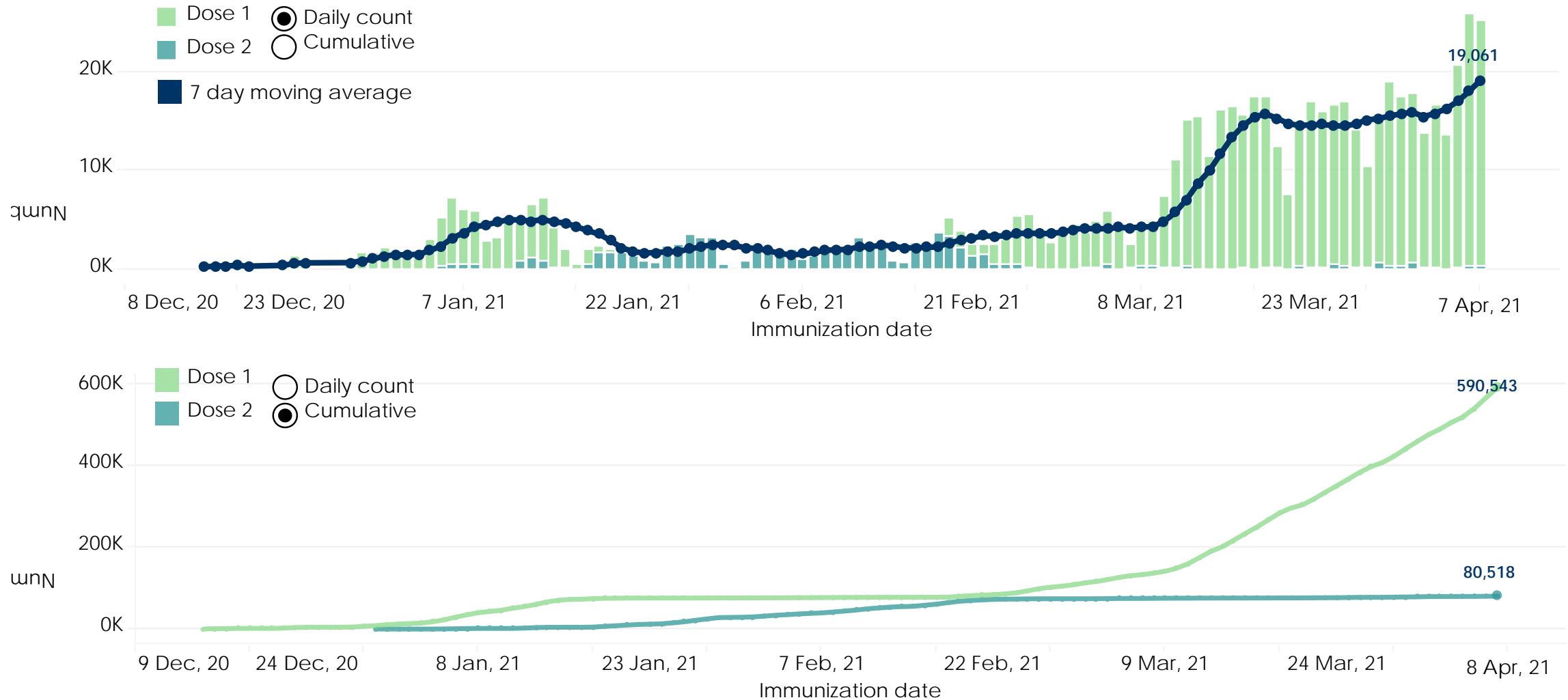
City Run Clinic locations– last three locations open today



Interactive map available online:
toronto.ca/covid19vaccinemap

- North Toronto Memorial Community Centre (200 Eglinton Avenue West)
- Mitchell Field Community Centre (89 Church Avenue)
- The Hangar (75 Carl Hall Road)
- Metro Toronto Convention Centre (255 Front Street West)
- Scarborough Town Centre (300 Borough Drive)
- Carmine Stefano Community Centre (3100 Weston Road)
- Toronto Congress Centre (650 Dixon Road)
- Malvern Community Recreation Centre (30 Sewells Road)
- Cloverdale Mall (250 The East Mall)

Vaccination progress over time

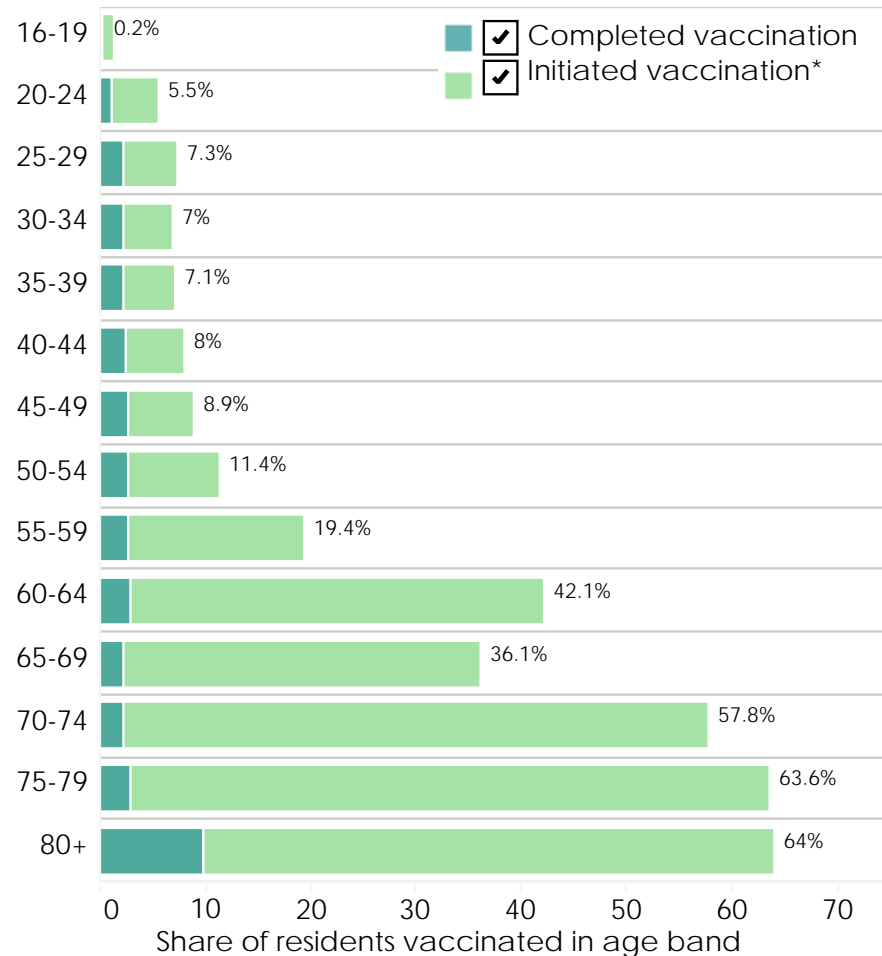


Vaccination rates of current eligible age group bands

Vaccination by age group

Percent vaccinated includes Toronto residents who have been vaccinated in Toronto or elsewhere

- ☐ Number vaccinated
- ☒ Share of residents vaccinated in age band

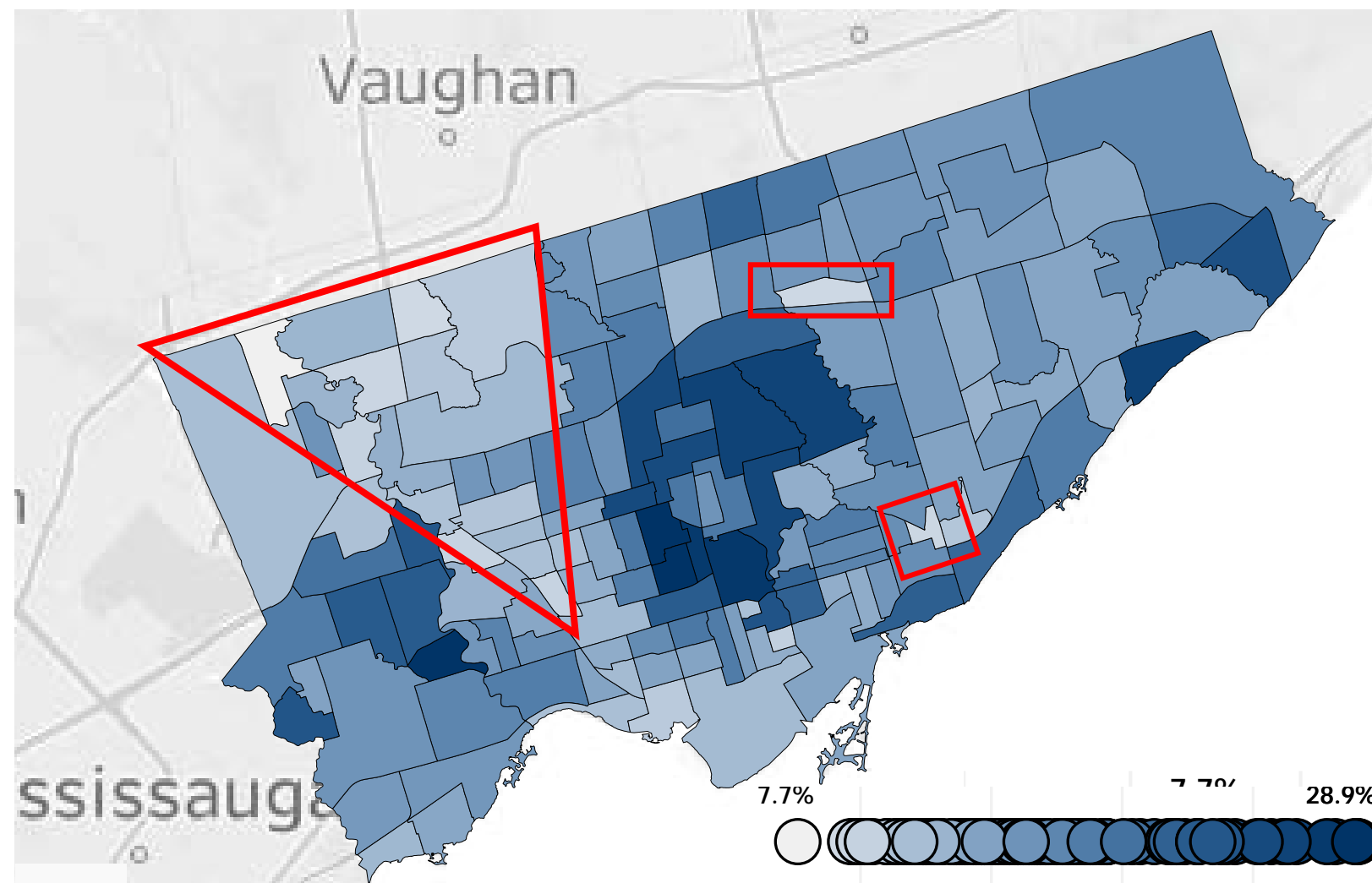


As of 9am April 8, 2021

Source: Vaccine administration, Ontario Ministry of Health, IntelliHeath COVaxON

Vaccine coverage: Whole population

Percent of all Toronto residents with at least one dose of vaccine: **15.8%**



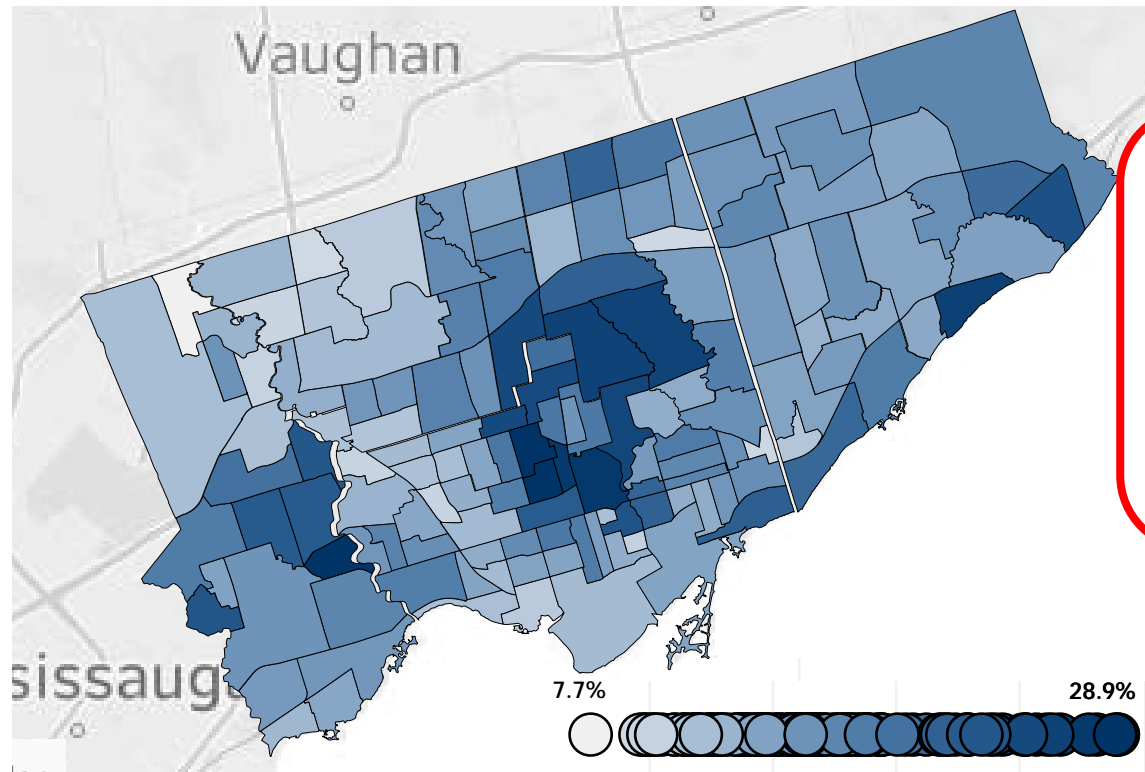
Neighbourhoods with lowest coverage:

1. Mount Olive-Silverstone-Jamestown (7.7%) **+4.7 percentage points in two weeks**
2. Black Creek (9.6%) **+5.0%**
3. **Henry Farm (9.8%) +4.4%**
4. **Taylor Massey (9.9%) +4.3%**
5. Humbermede (10.0%) **+5.4%**

Neighbourhoods with highest coverage

1. Forest Hill South (28.9%) **+11.0% percentage points in two weeks**
2. Casa Loma (28.9%) **+10.3%**
3. Kingsway South (28.8%) **+13.7**
4. Rosedale-Moore Park (28.1%) **+11.2**
5. Yonge-St. Clair (27.8%) **+10.4**

Vaccination by neighbourhood - percentage vaccinated

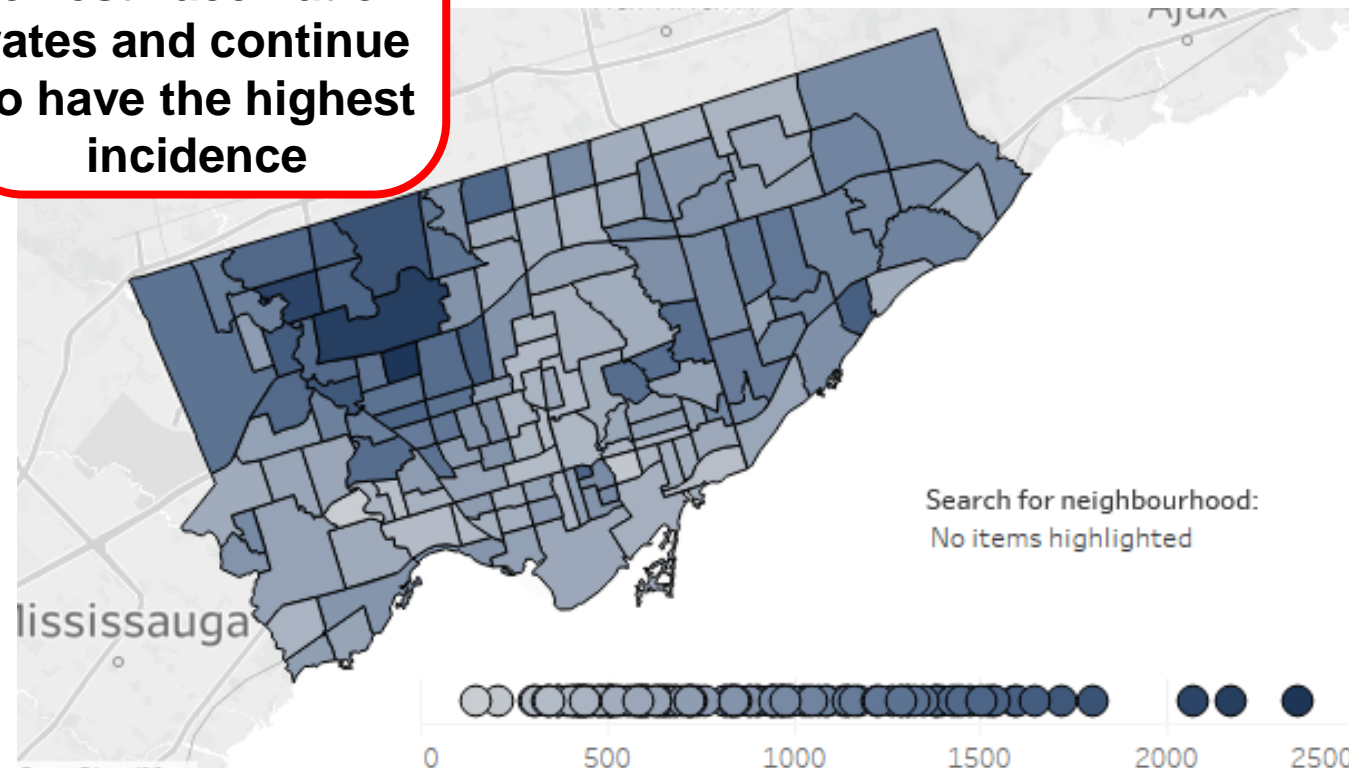


Vaccination progress

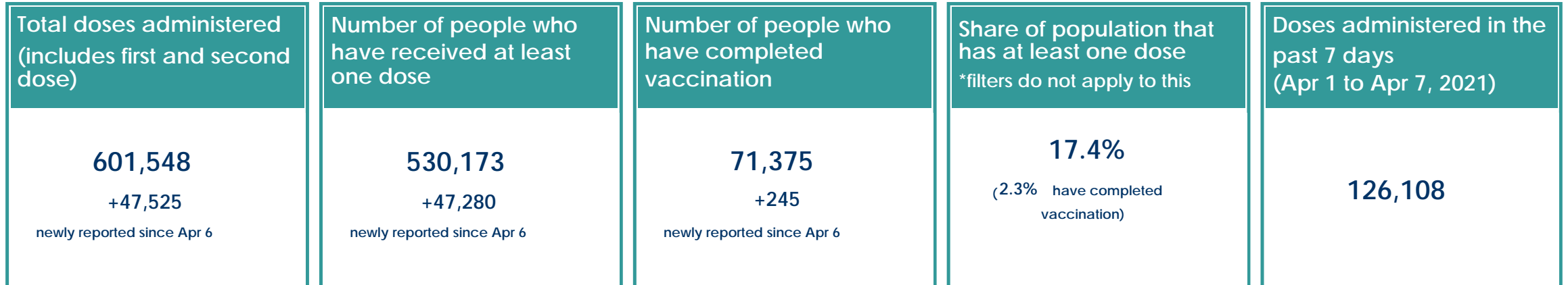
Data up to and including April 8, 2021

**North West
neighbourhoods
have among the
lowest vaccination
rates and continue
to have the highest
incidence**

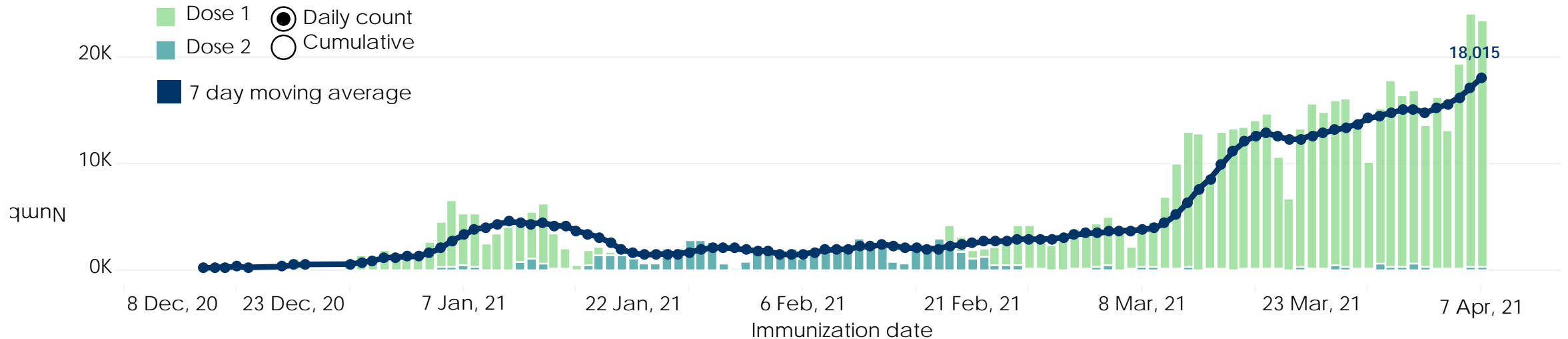
Current case activity
COVID-19 rates since March 1, 2021



Toronto residents vaccinated in Toronto or outside of Toronto



Doses administered over time



The Medical Officer of Health recommends that:

1. Board of Health request the Government of Canada and the Government of Ontario to prioritize and increase Toronto's COVID-19 vaccine supply to decrease the risk and spread of COVID-19 by responding to the increased need from eligible populations in Phase Two of the Provincial Vaccine Distribution Plan.
2. Board of Health urge the Government of Ontario to decrease the risk and spread of COVID-19 by prioritizing COVID-19 vaccine registration for Toronto's highest risk hotspot areas.

Thank you

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toronto.ca/COVID19

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