

Update on COVID-19 Projections

Science Advisory and Modelling Consensus Tables

May 20, 2021

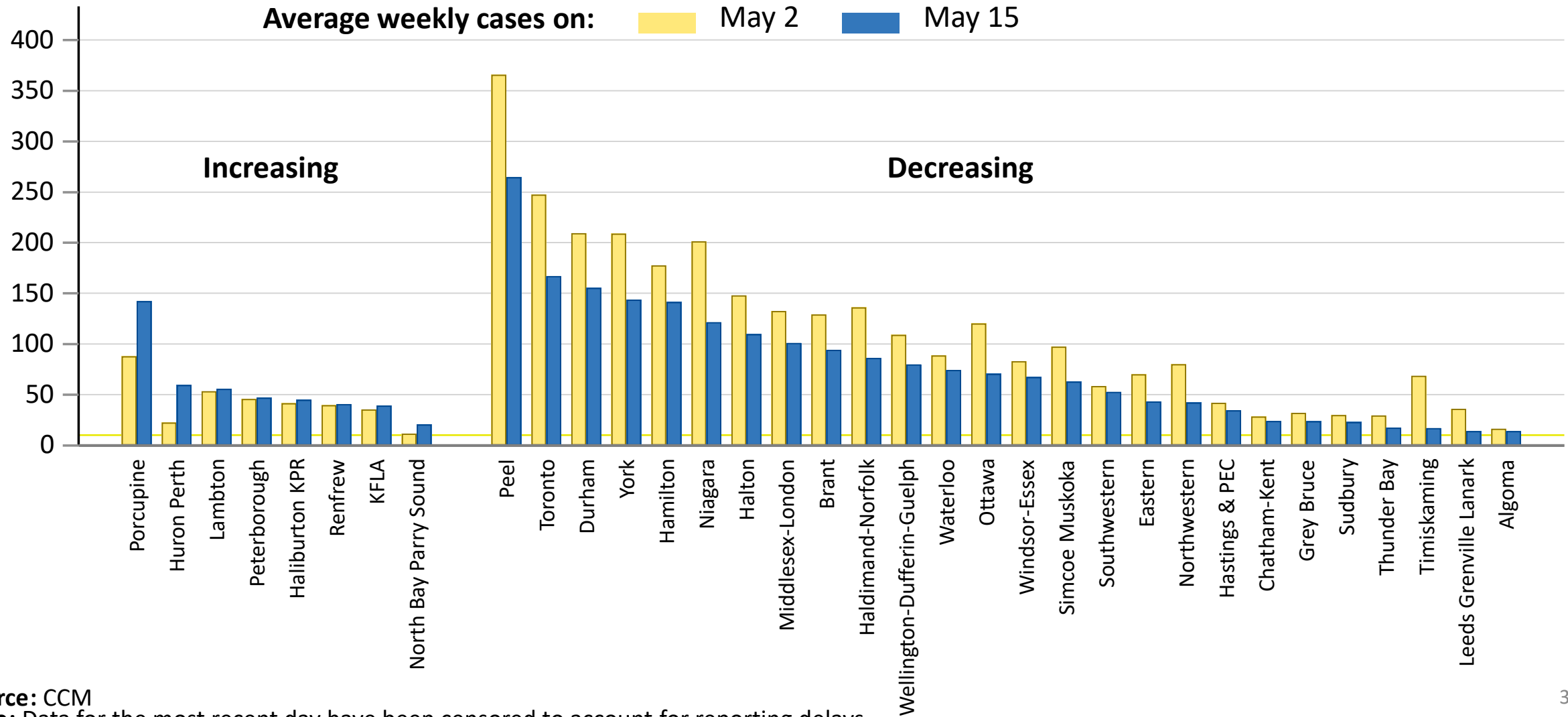


Key Findings

- Cases, positivity and hospitalization rates are decreasing. **Control of the pandemic is improving** due to current public health measures and the efforts of Ontarians.
- The access to care deficit continues but high-priority surgeries are being performed at higher rates.
- **Maintaining progress on vaccinations and maintaining some public health measures** until mid-June can help ensure a good summer:
 - School re-opening will create an increase in cases, but this may be manageable.
 - **Outdoor activities are much safer** than indoor activities and should be encouraged.

Cases are decreasing in most Public Health Units, with the greatest progress made in hotspot areas

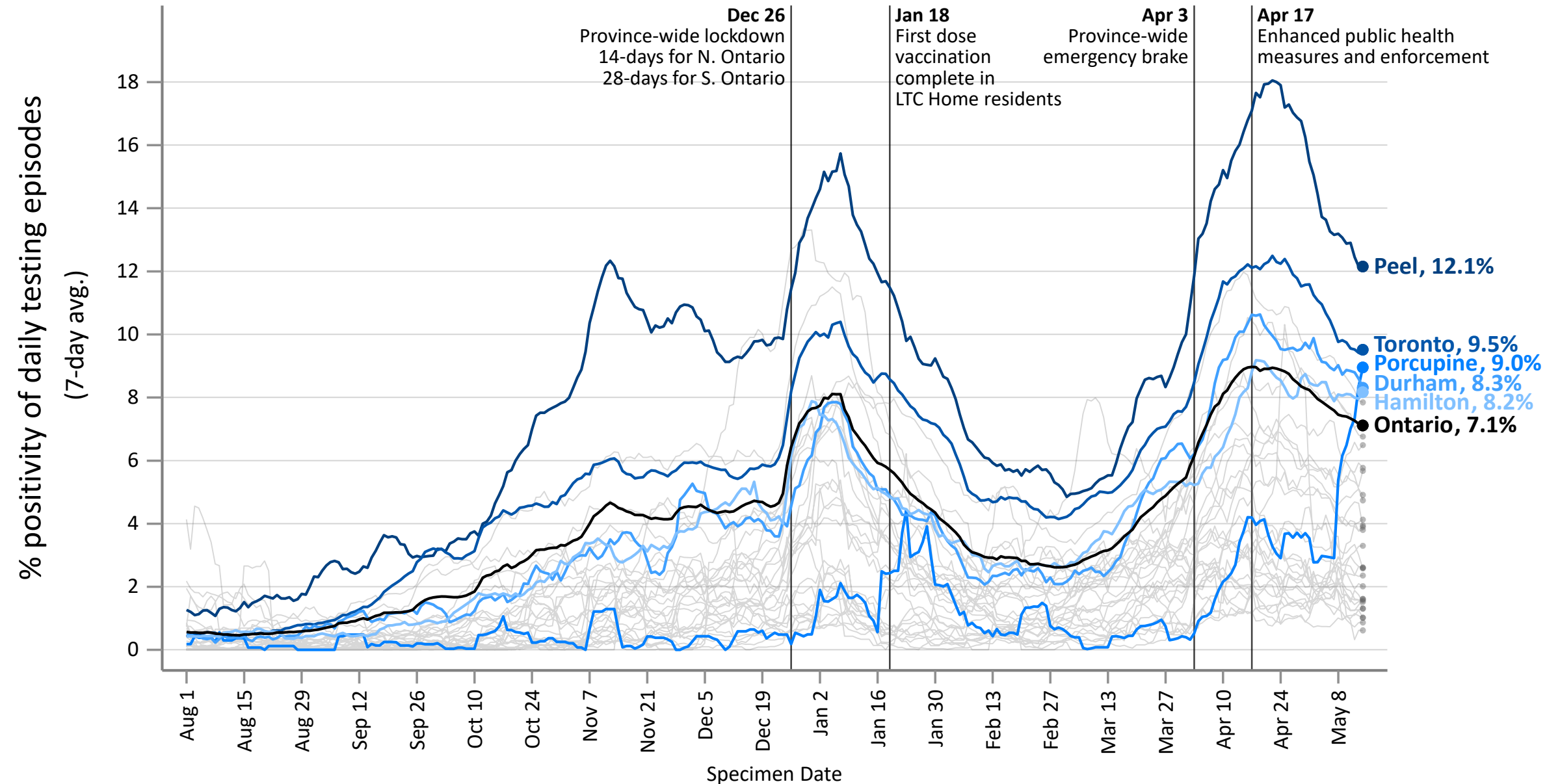
Weekly new cases per 100,000 residents



Data source: CCM

Data note: Data for the most recent day have been censored to account for reporting delays

% positivity is declining across Ontario



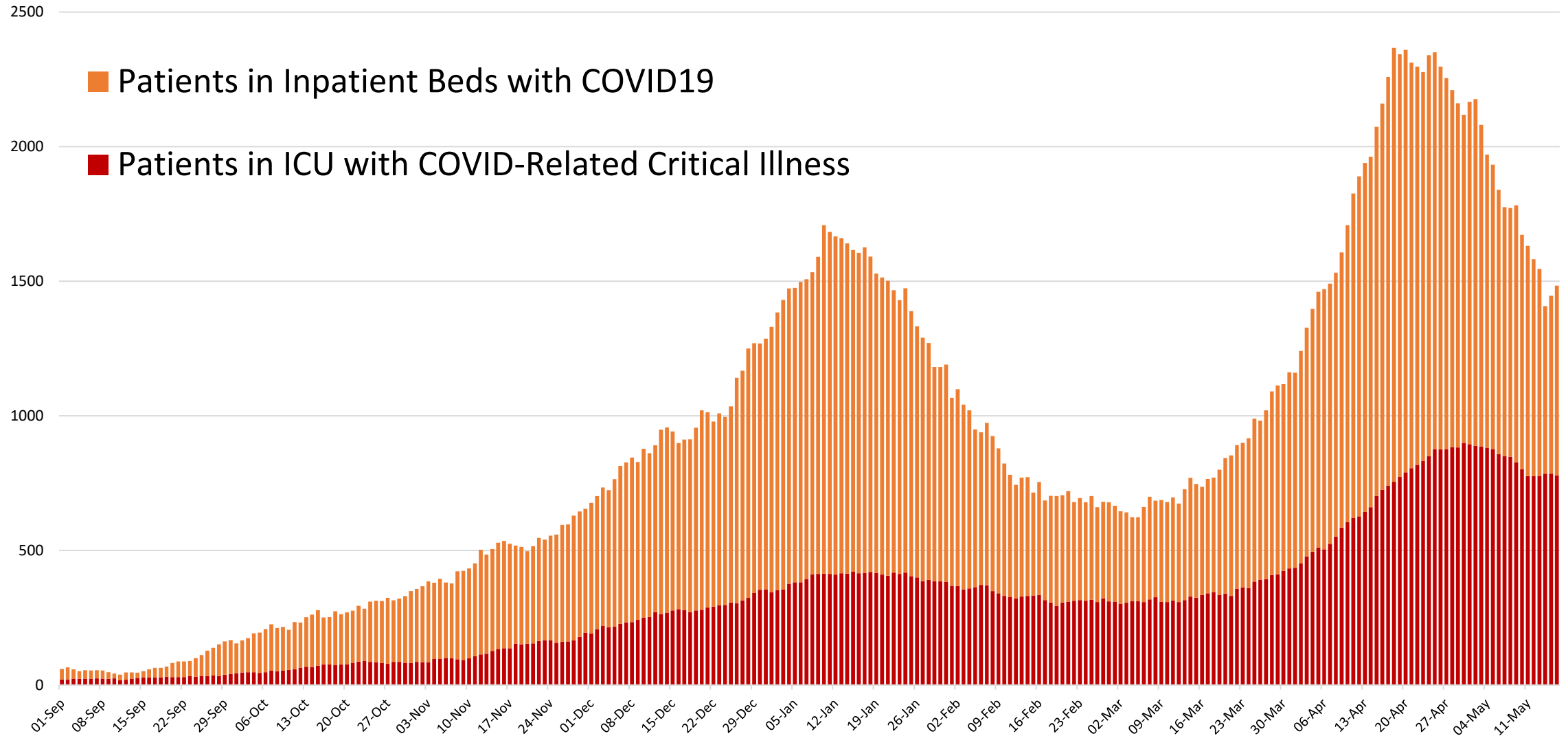
Data source: Ontario Laboratory Information System (OLIS), data up to May 14

Higher vaccination coverage is starting to control hospitalizations in older age groups

Daily COVID+ hospitalization rate across age groups, per 100,000 population, 7 day moving average



Hospitalization rates are down, ICU occupancy has dropped slightly



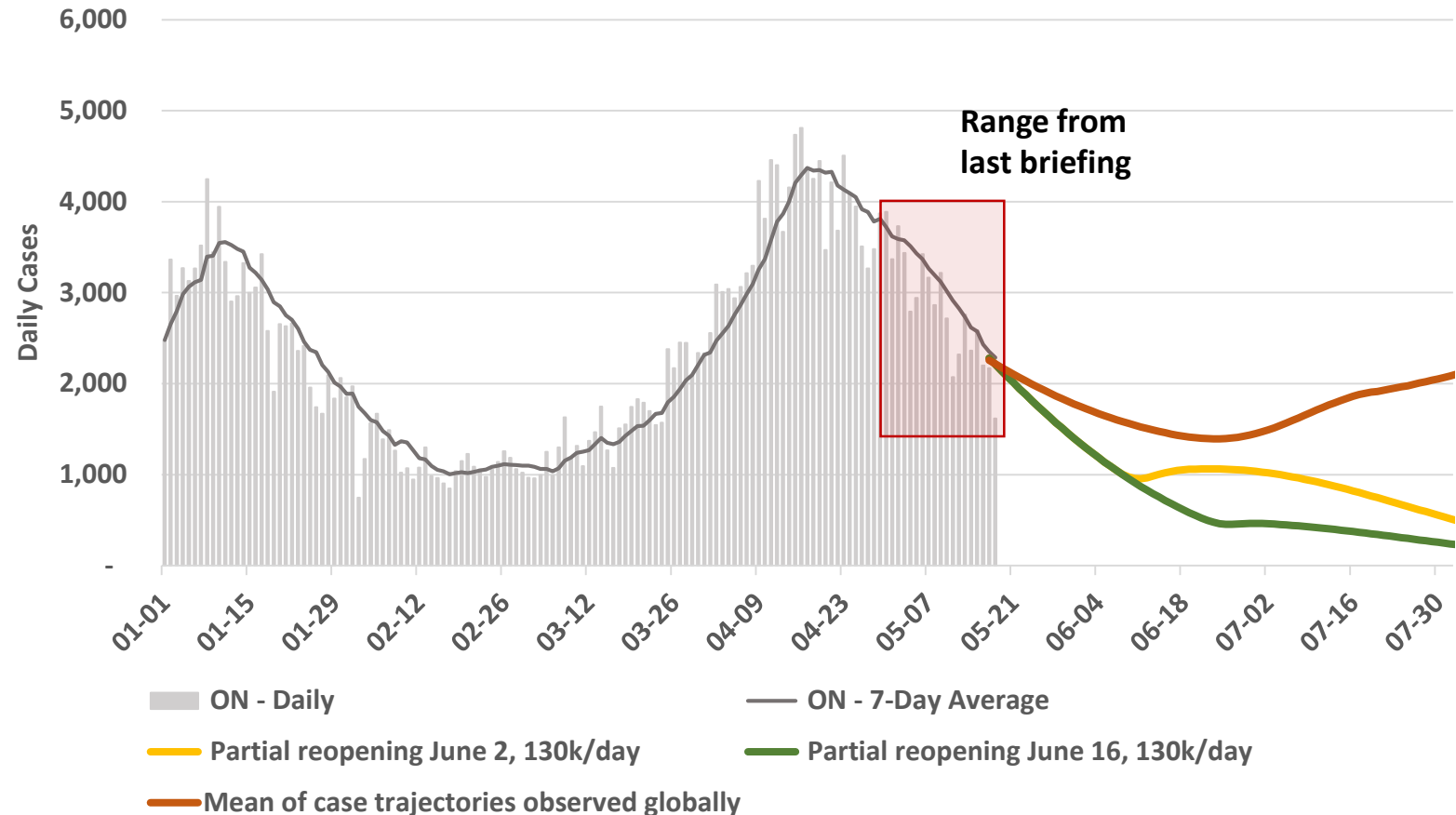
Data Sources: MOH COVID Inpatient Census and Critical Care Information System

Continued efforts to control spread of COVID-19 can help limit the impact of all variants of the virus

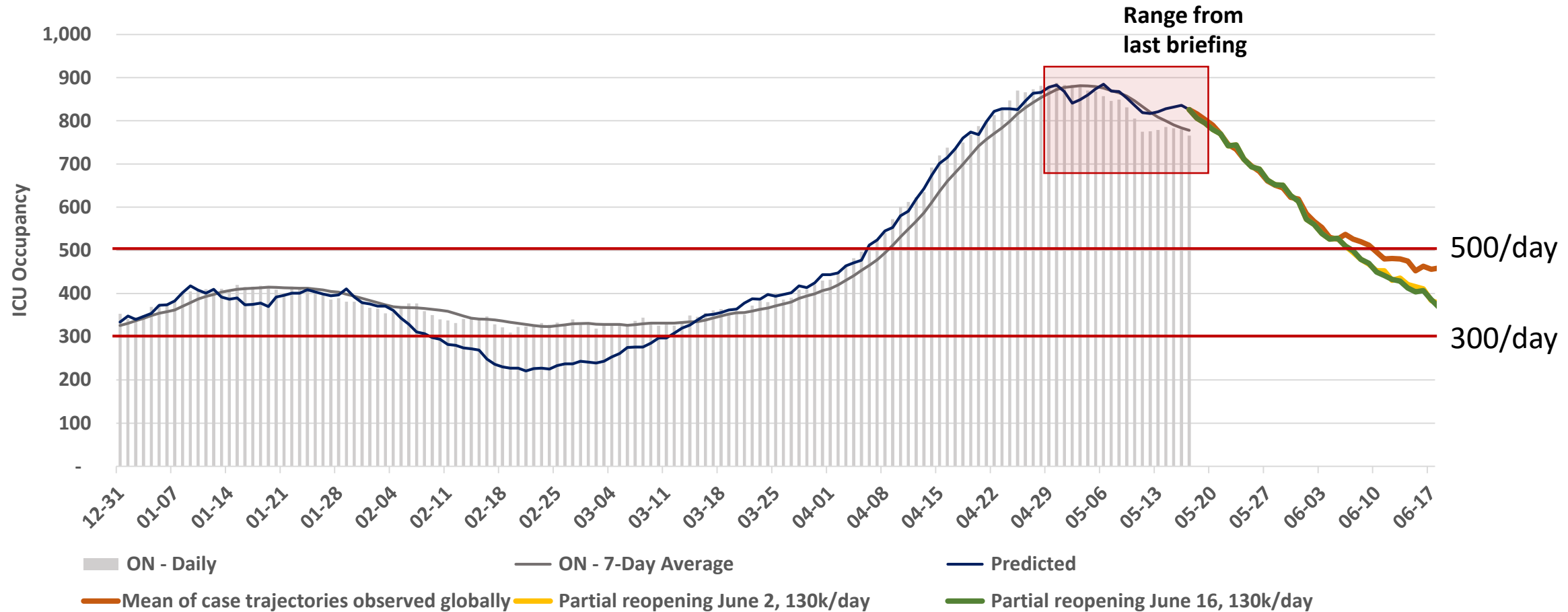
Figure shows predictions based on 5 models.

- Partial reopening June 2 or 16
- Vaccinating 100k-150k/day
- New VOC not explicitly considered

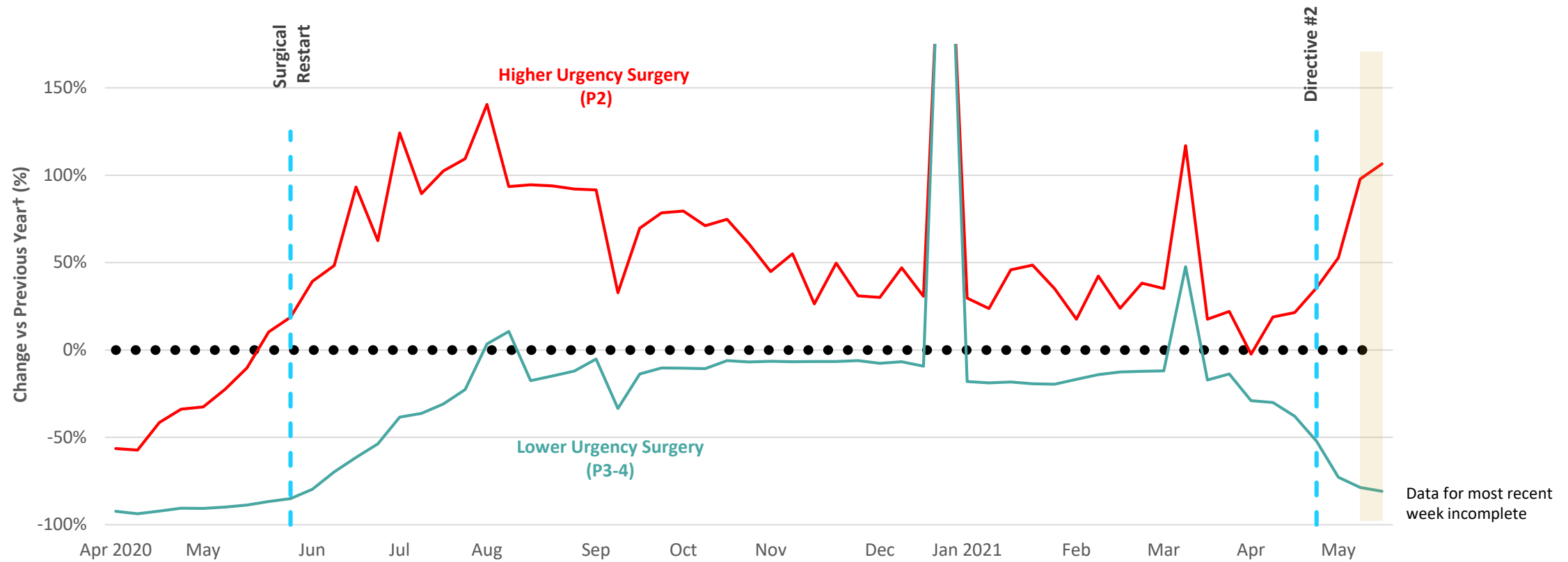
Not shown: 2 models looked at school opening June 2: School opening associated with a 6-11% increase in new daily cases



ICU occupancy continues to decrease slowly, with potentially fewer than 500 patients with COVID-19 in ICUs by mid-June

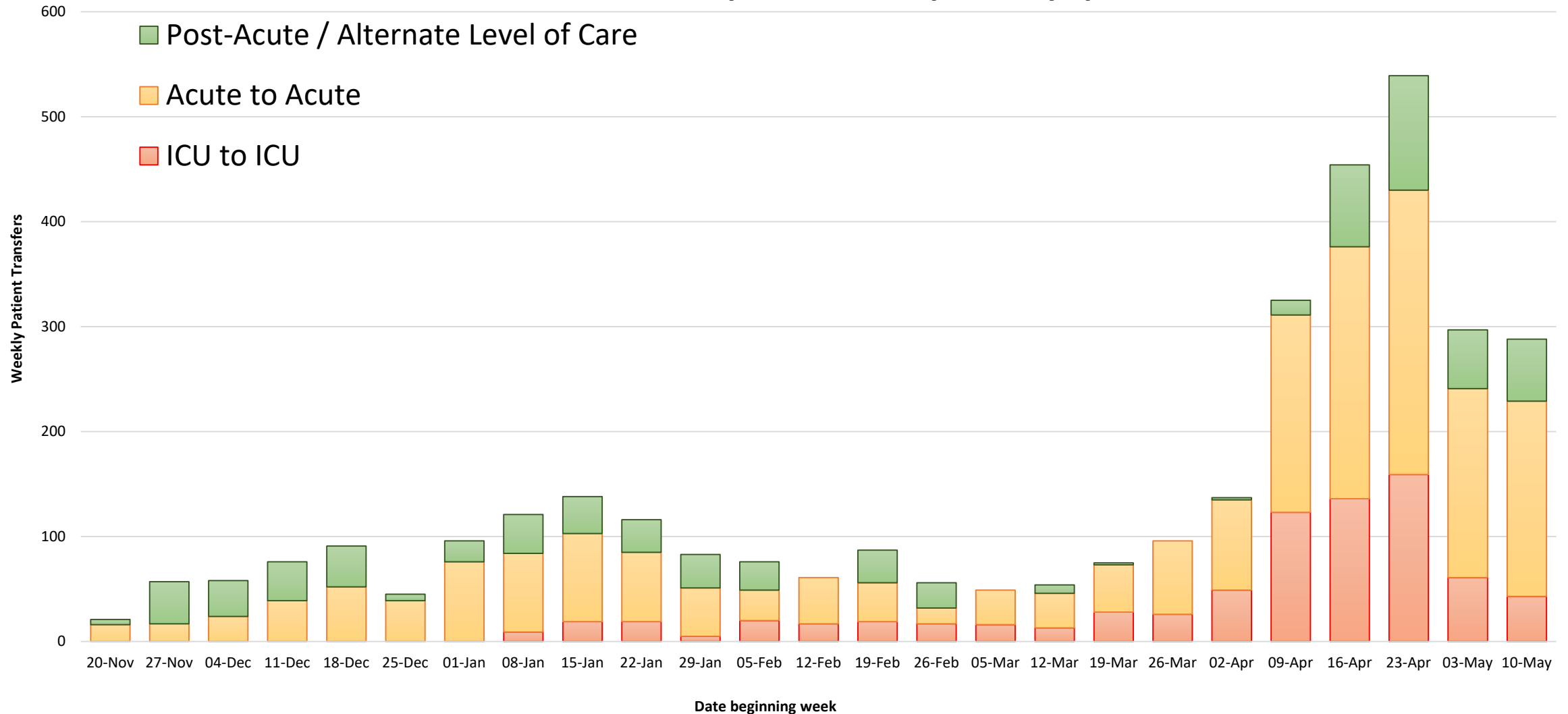


Higher priority procedures were more likely to be completed throughout the pandemic

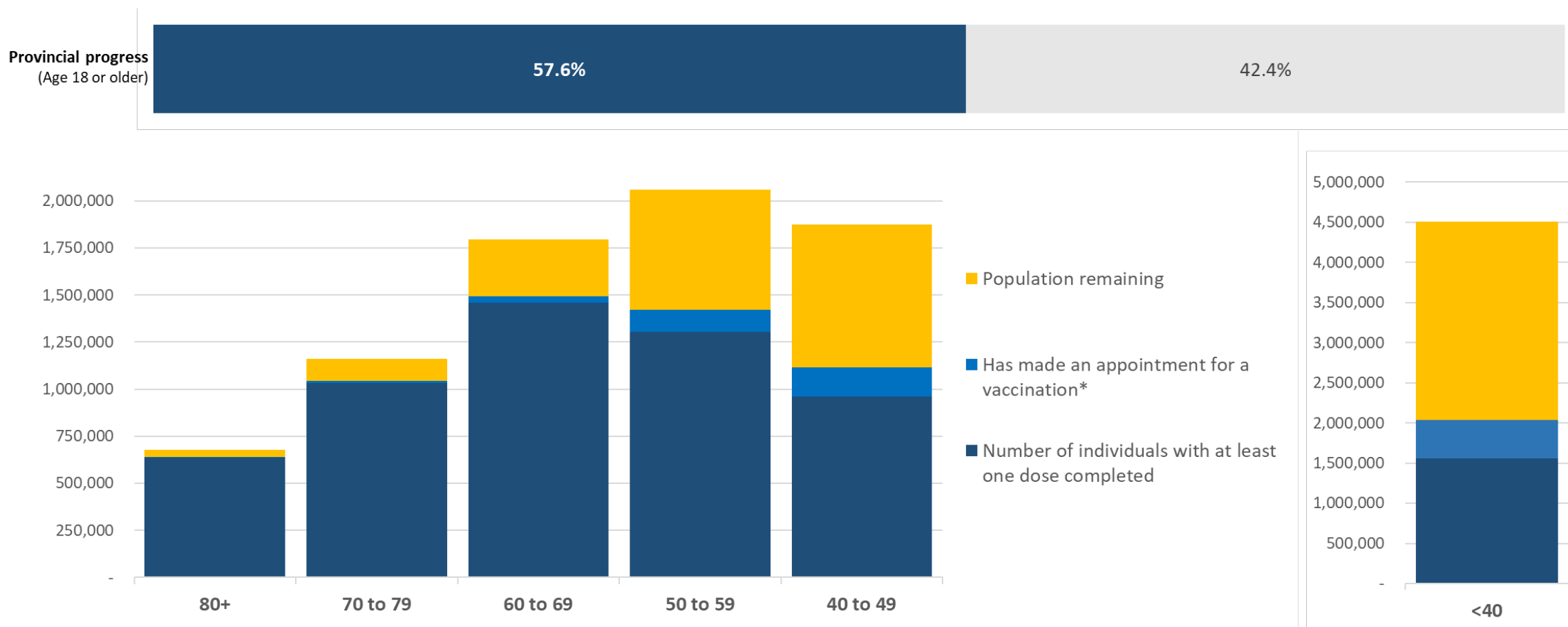


† As of the week of March 8, 2021, the comparator year was rolled back to 2019 to ensure the baseline for comparison continues to be pre-pandemic data

While the situation is improving, a high volume of patient transfers continues due to system capacity pressures



Vaccination coverage continues to increase



* Note that this is just *Pending Appointments*. Anyone that has made an appointment and received a vaccine will be counted under “Individuals with at least one dose”. Data for Appointments reflect 21 PHUs that are captured through the provincial booking system. Appointments made through other systems (e.g., local PHU booking systems, pharmacies, primary care) are not included. Age is based on year of birth. Age <40 includes those age 18-39. Figure for age <40 is shown separately because of the difference in scale of the overall population size.

Data Sources

MOF 2020 Population Projections
 COVAX analytical file, extracted, 8:00 pm May 18 2021, CPAD, MOH
 COVAX Skedulo, extracted 6:00pm May 18 2021

The hotspot strategy is working. Continued efforts are key to a good summer.

Figure excludes long-term care vaccination – at least 1 dose as of May 17, 2021

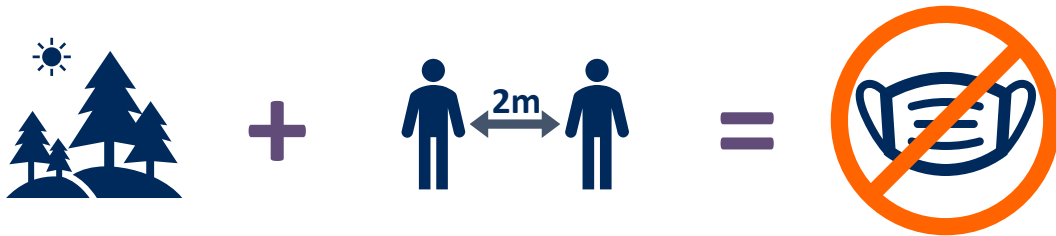
Age group	Neighbourhood Risk [‡]										Overall
	1 = high incidence of COVID-19 infections					10 = low incidence of COVID-19 infections					
	1	2	3	4	5	6	7	8	9	10	
80+	73%	75%	78%	80%	81%	83%	84%	86%	87%	87%	82%
75-79	75%	78%	80%	82%	83%	84%	85%	86%	87%	85%	83%
70-74	75%	79%	79%	81%	82%	83%	84%	85%	85%	82%	82%
65-69	75%	77%	77%	77%	79%	80%	81%	81%	81%	76%	79%
60-64	74%	76%	75%	74%	76%	77%	78%	77%	77%	70%	75%
55-59	70%	72%	68%	65%	66%	67%	67%	67%	65%	54%	66%
50-54	68%	68%	62%	57%	57%	56%	55%	54%	50%	41%	57%
45-49	61%	62%	56%	51%	51%	49%	49%	47%	41%	36%	51%
40-44	52%	55%	50%	46%	48%	46%	46%	43%	38%	33%	46%
16-39	41%	44%	38%	32%	31%	29%	29%	25%	21%	21%	32%
Overall (16+)	57%	60%	55%	52%	53%	53%	53%	51%	51%	49%	54%



Outdoor activities can be much safer

Two-out-of-three rule for outdoor activities

Outdoors + Distance = No Masks Needed



Outdoors + No Distance = Masks Needed



Always wear masks and distance indoors

Byproducts to avoid when engaging in outdoor activities



Dining indoors, dining with others, sharing food or drinks



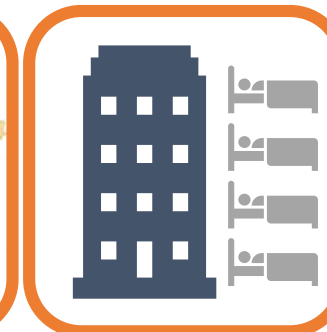
Crowding and going to crowded places



Carpooling with others



Travel between regions



Sharing overnight accommodation with others



Locker rooms and shared amenities

Select examples of safer outdoor activities

Camping

- Local camping with your own household is safer
- Camping elsewhere with your own household is not safer
- Camping with people outside your household is not safer

Basketball

- Basketball with masks is safer

Tennis

- Single tennis is safer
- Doubles tennis with masks is safer

Singing and playing music

- Singing outside where there is social distancing is safer

Note: Indoor facilities associated with outdoor recreation (e.g., change rooms and clubhouses) present a greater risk and should remain closed at this time

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For table membership and profiles, please visit the [About](#) and [Partners](#) pages on the Science Advisory Table website.