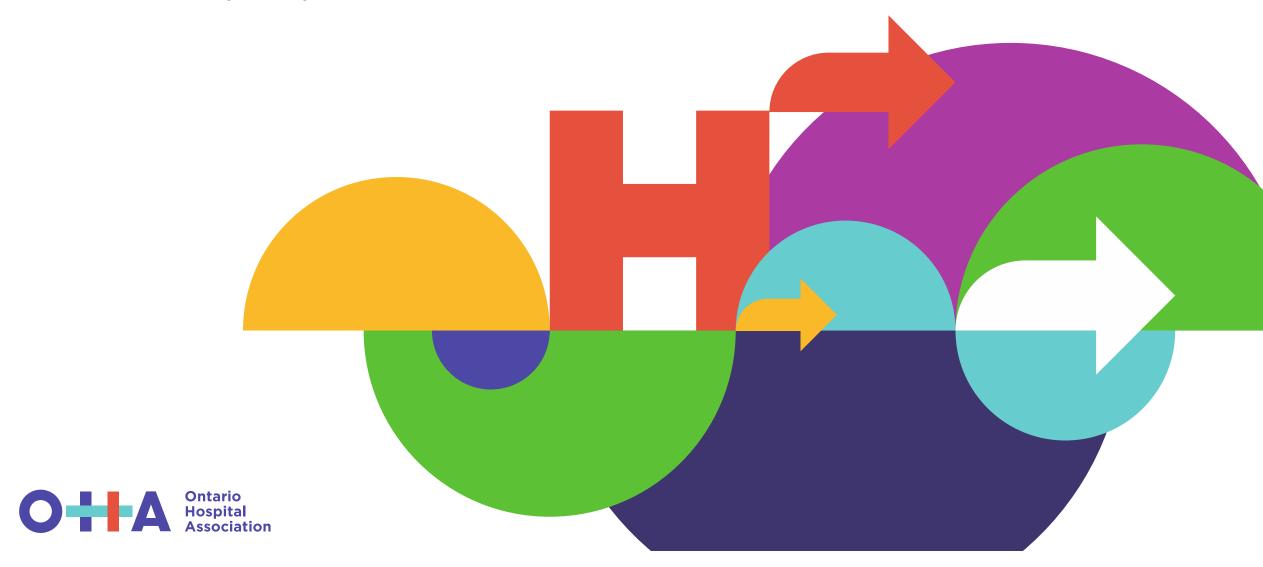
COVID-19 Hospital Capacity

Wednesday, May 25, 2022



Hospital Capacity: Critical Care

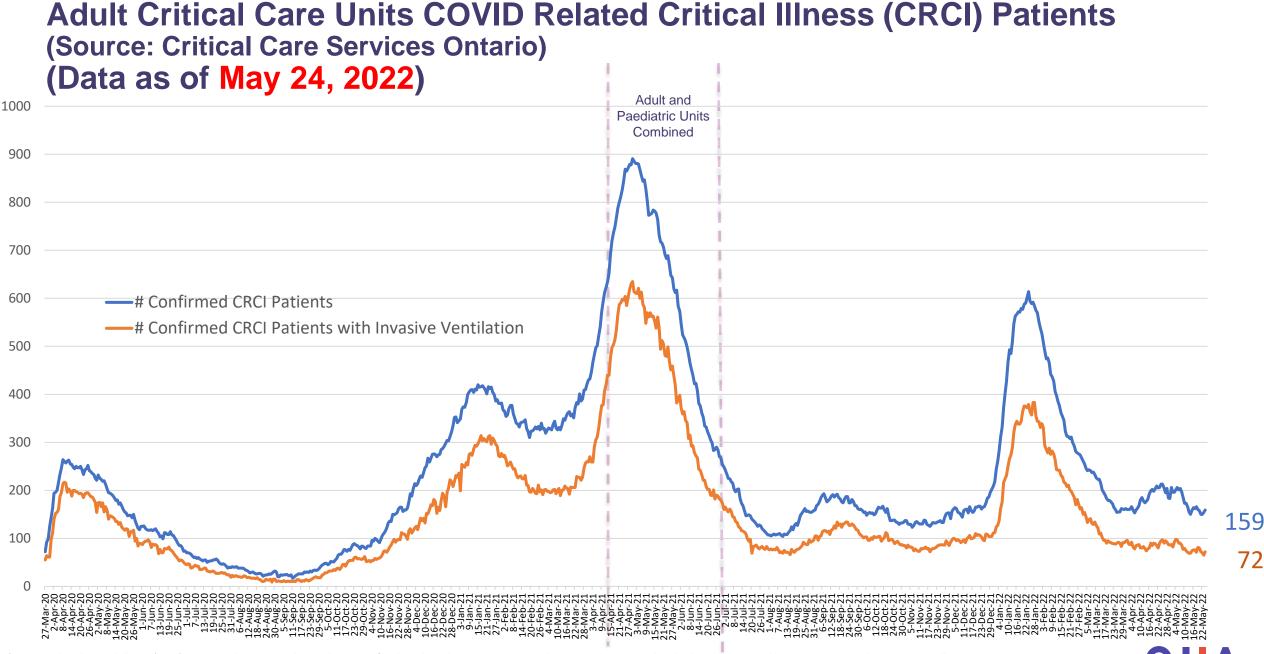
All data as of **May 24, 2022**

Total Funded* ICU Bed Capacity				Critical Care Census**				% ICU occupancy		Funded* ICU Bed Capacity Remaining	
2343	(Adult)	1599 744	Vented Non-Vented	1760	(Adult)	159 1601		75.1%	(Adult)	583	(Adult)
105	(Paediatric)	78 27	Vented Non-Vented	78	(Paediatric)	0 78	CRCI NON-CRCI	74.3%	(Paediatric)	27	(Paediatric)
7-day average CRCI patients in ICU (Adult)			157	% Pts in ICU who have CRCI			% vented	d pts who have CRCI			
	7-day average New CRCI Admits (Adult)			13	9.0%	(A	(Adult) 45.3% (Adult)				
7-day average New CRCI Admits (Paediatric)			()	0.0% (Paediatric)		0.0% (Paediatric)					
Region		Adult Funded* beds		Current Adult CRCI census	% Adult pts in ICU wh	o have	% Adult ICU occupancy		Adult ICU Bed ty Remaining	(+/- cha	nge from previous day)
West		694		50	9.0%		80.0%		139	T	-20
Central		477		37	11.0%		70.4%		141	1	5
Toronto		464		14	4.2%		72.2%		129	1	-19
East		574		44	10.1%		75.6%		140	1	-23
North		134		14	14.0%		74.6%		34	1	-5

Definition: COVID-19 pts are represented by CRCI (COVID-Related Critical Illness and is defined as: Admission to the ICU because of a clinical syndrome consistent with COVID, AND the patient has had a positive test that is consistent with acute COVID illness). Please note that CCSO data does not currently distinguish those admitted with COVID or for COVID.

^{*}Staffing pressures may reduce funded bed capacity. Please see view the OHA resource page for more details.

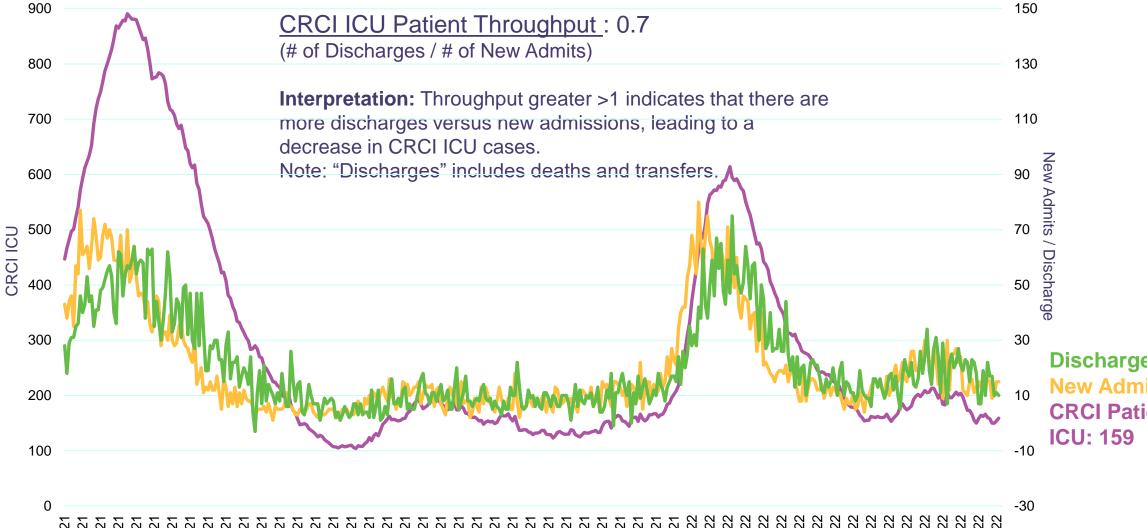
^{**}There were **0** paediatric CRCI cases, **0** vented. There was **1** neonatal CRCI case, **0** vented.



*COVID-related critical illness (CRCI) Census: Admission to the ICU because of a clinical syndrome consistent with COVID, AND patient has had a positive test that is consistent with acute COVID illness. Please note that CCSO data does not currently distinguish those admitted with COVID or for COVID.



CRCI ICU Patient Throughput (starting April 2021 onward) (Data as of May 24, 2022)



Discharges: 10 New Admits:15 CRCI Patients in



COVID-19 ICU curve and speed of ICU curve: as of May 25, 2022 in Ontario

The speed of COVID-19 spread is measured as the slope of the ICU curve. When the **speed > 0**, then the trend of cases in ICU is speeding up. When the **speed < 0**, then trend of cases in ICU is slowing down. When **speed = 0**, then the cases in ICU have plateaued. The goal is to drive cases in ICU down to zero.

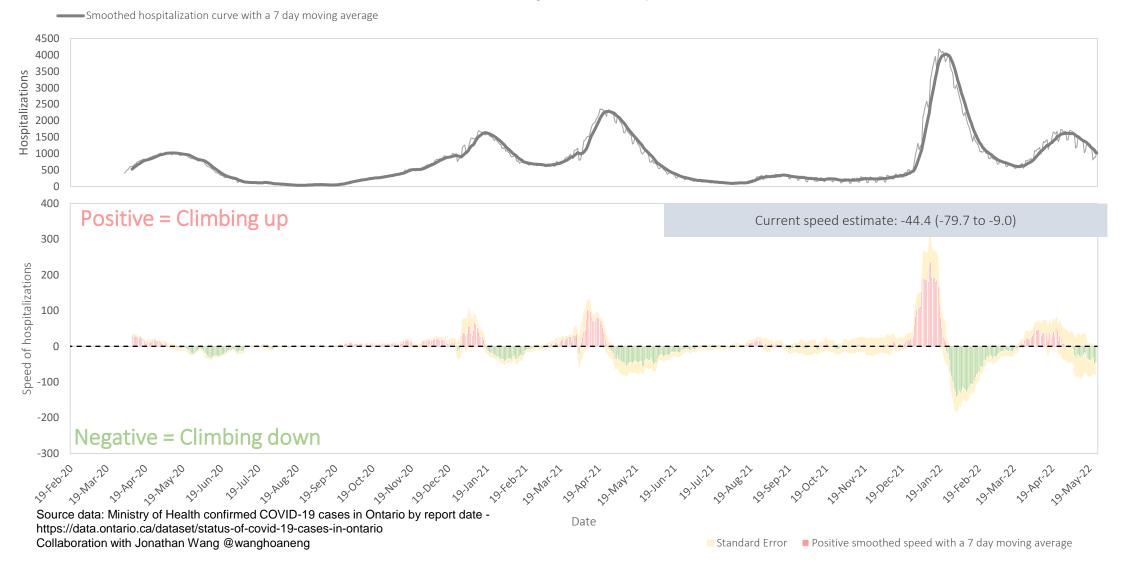




COVID-19 hospitalizations curve and speed of hospitalizations:

as of May 25, 2022 in Ontario

The speed of COVID-19 spread is measured as the slope of the hospitalization curve. When the speed > 0, then the trend of hospitalizations is speeding up. When the speed < 0, then trend of hospitalizations is slowing down. When speed = 0, then the hospitalizations have plateaued. The goal is to drive hospitalizations down to zero.





Interpretation of the "Speed Signal" Graphs

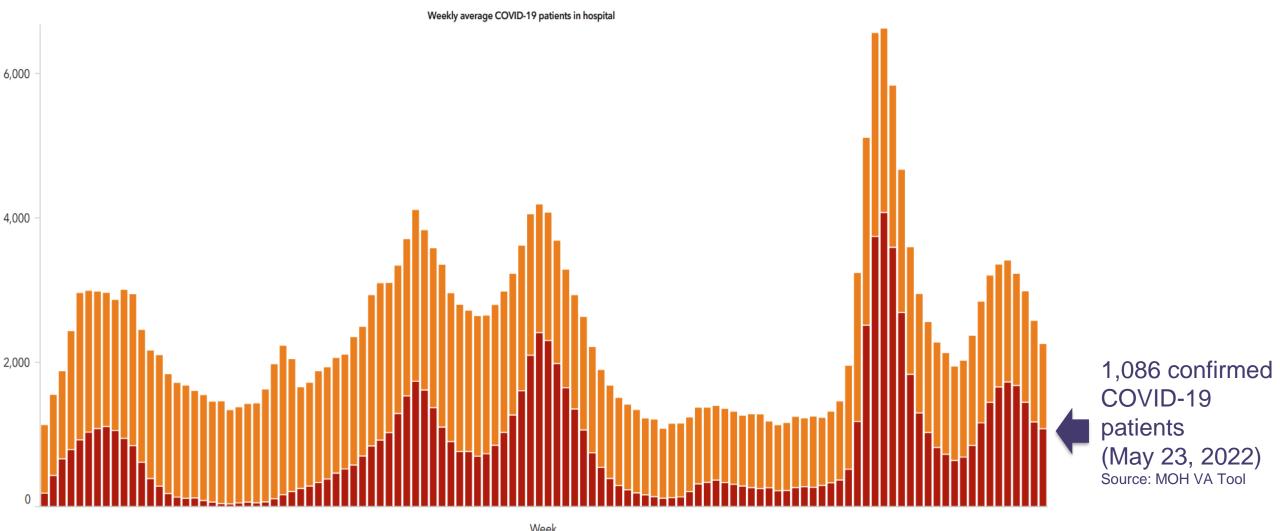
- The "speed signal" metric, developed by Jonathan Wang
 Twitter: @wanghoaneng in 2020, is a simple calculation method with intuitive explanatory power for rates and spread.
- The speed signal can be considered as the number of hospitalization or ICU cases per day that can be expected if the current 7-day trend continues.
- The directionality (positive or negative) of the metric provides insight into the rate of increase of cases per day.
- This metric only provides information on the slope of the hospitalization/ICU curve and should be read in conjunction with the hospitalization or ICU case curve (i.e., zero slope does not mean there are no more daily cases, just that the rate of change in cases per day is zero over a 7-day period).
- The red bars in the graph show rates increasing and the green bars show rates decreasing.



- The speed of COVID-19 spread is measured as the slope of the hospitalization/ICU curve.
- When the **speed metric is > 0**, then the trend of hospitalizations/ICU cases is speeding up.
- When the speed metric < 0, then the trend of hospitalizations/ICU cases is slowing down.
- When **speed = 0**, then the hospitalizations/ICU cases have plateaued.
- The goal is to drive COVID-19 hospitalizations and ICU cases down to zero.



Weekly average COVID-19 patients in hospital (Data as of May 23, 2022)







+/- from previous day 1.2 +/- from previous day 1.9

3,179 Availiable beds

Acute 91.9%

1,671 Availiable beds Post-acute

88.1% +/- from previous day 0.8

> 1.428 Availiable beds

ALC Open Cases

9.2% % waiting for homecare

41.2% % waiting for LTC

As of May 23, there were 382 ALC patients in RCC beds, where over 2 out of 5 intended to be discharged to LTCH.

