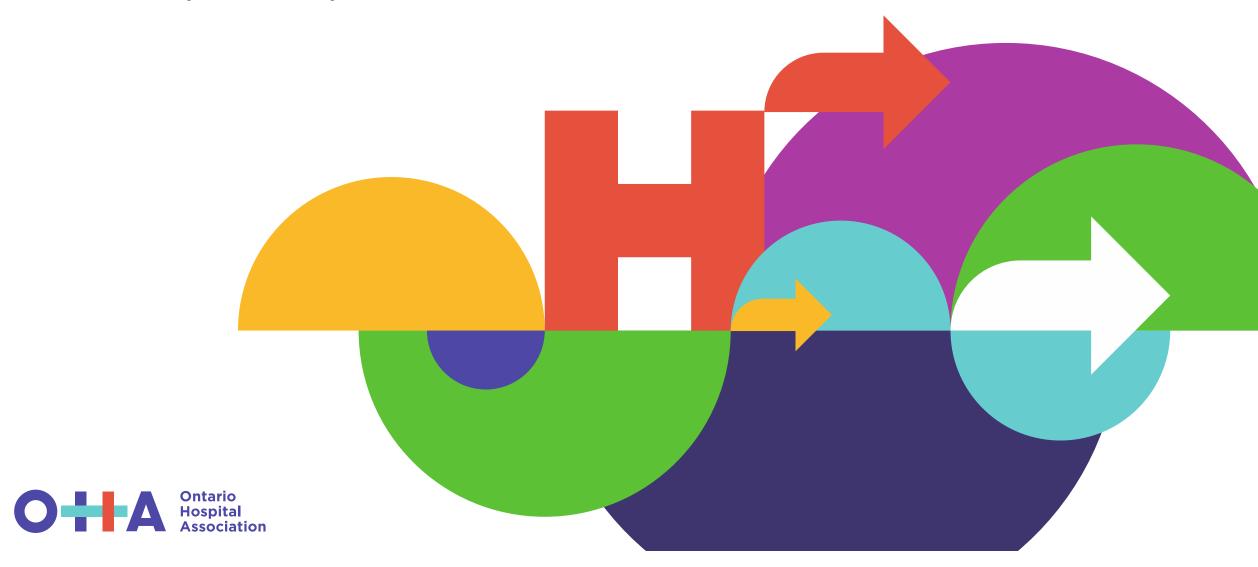
COVID-19 Hospital Capacity

Thursday, February 10, 2022



Funded* ICU Bed

-7

-2

-2

4

Hospital Capacity: Critical Care

Total Funded* ICU Bed Capacity				Critical Care Census**				% ICU occupancy		Capacity Remaining	
2343	(Adult)	1599 744	Vented Non-Vented	1808	(Adult)	437 1371	CRCI NON-CRCI	77.2%	(Adult)	535	(Adult)
105	(Paediatric)	78 27	Vented Non-Vented	58	(Paediatric)		CRCI NON-CRCI	55.2%	(Paediatric)	47	(Paediatric)
7-day average CRCI patients in ICU (Adult)				471	% Pts in ICU who have CRCI			% vente	d pts who have CRCI		
7-day average New CRCI Admits (Adult)			31	24.2%	(Adult)		64.5%	(Adult)			
7-day average New CRCI Admits (Paediatric)			1	6.9%	(Paediatric)		75.0%	(Paediatric)			
Region Adult Funded* beds			unded* beds	Current Adult CRCI census	% Adult pts in ICU wh CRCI	o have	% Adult ICU occupancy		Adult ICU Bed	(+/- cha	nge from previous day)
\	West	694		137	24.0%		82.1%		124	1	-5

29.4%

18.0%

23.6%

28.4%

78.4%

72.8%

73.9%

76.1%

103

126

150

32

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.

110

61

100

29

477

464

574

134

Central

Toronto

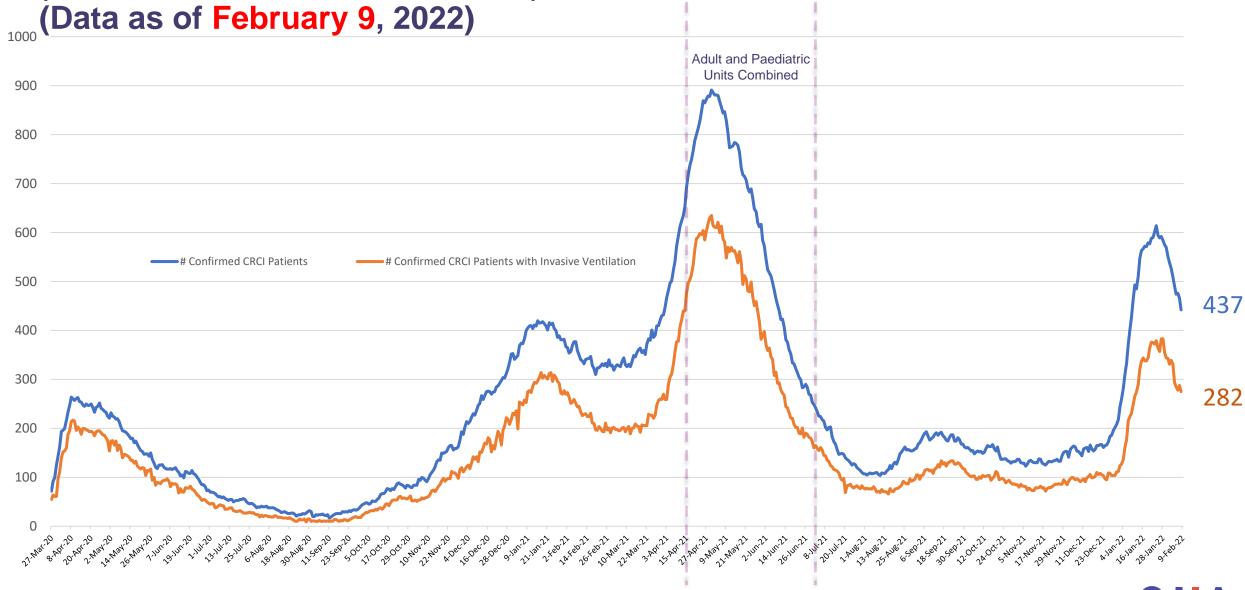
East

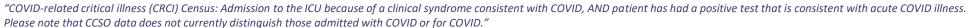
North

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

^{**}There were 4 paediatric CRCI cases, 3 vented. There were no neonatal CRCI cases.

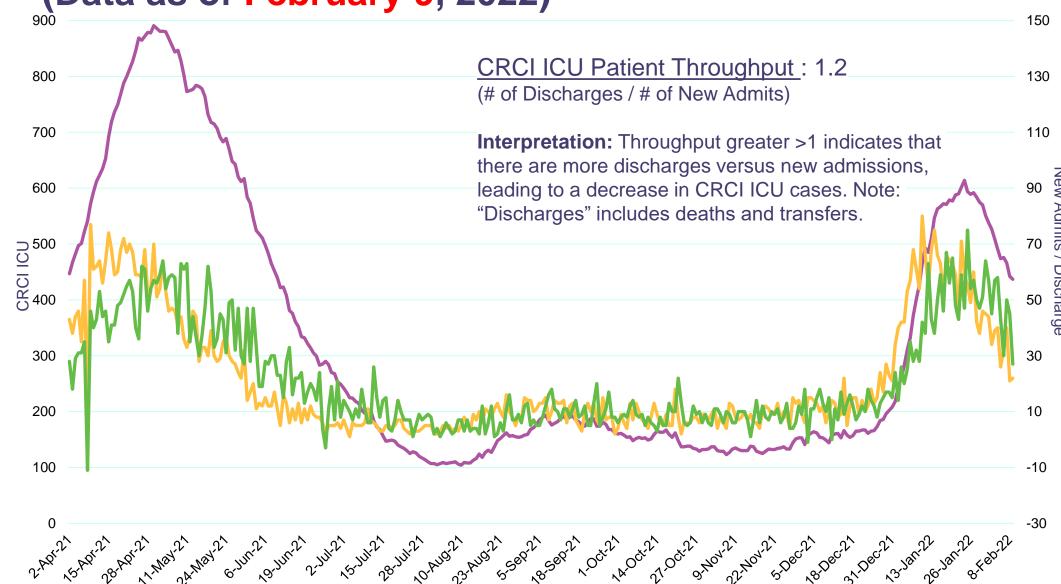
Adult Critical Care Units COVID Related Critical Illness (CRCI) Patients (Source: Critical Care Services Ontario)











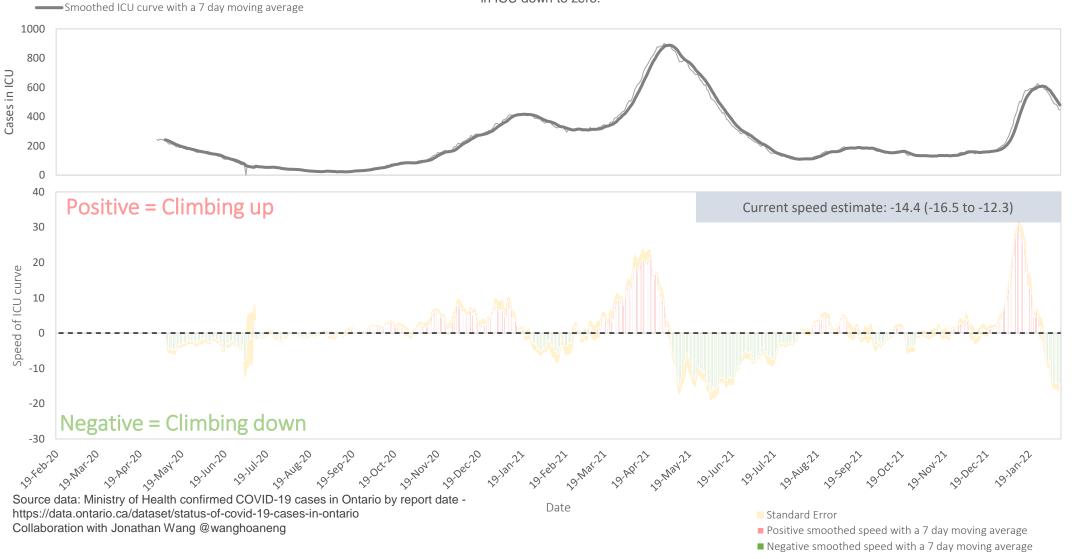
CRCI Patients in ICU: 437

Discharges: 27
New Admits: 22



COVID-19 ICU curve and speed of ICU curve: as of February 9, 2022 in Ontario

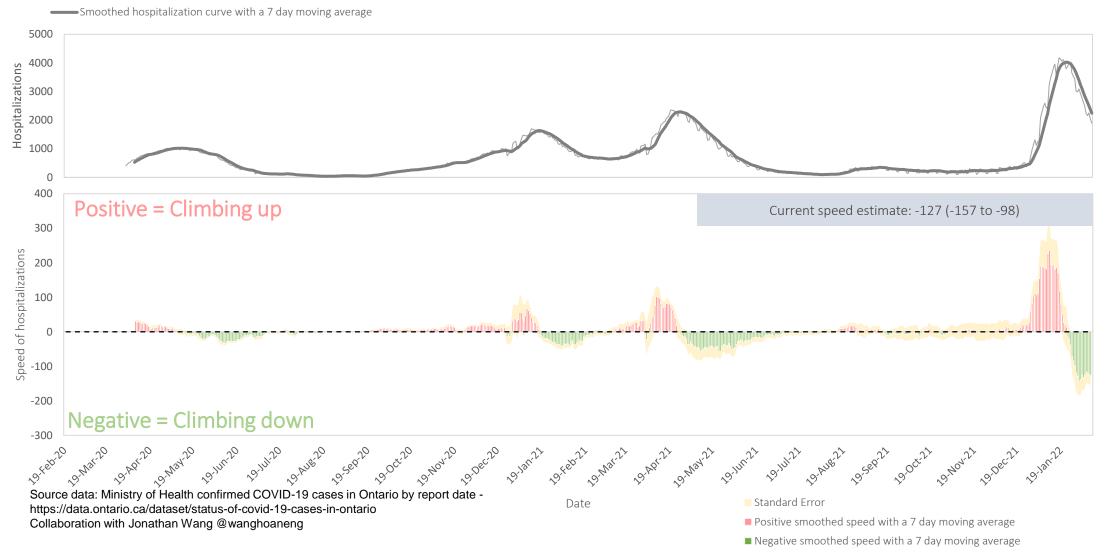
The speed of COVID-19 spread is measured as the slope of the ICU curve. When the **speed > 0**, then the trend of cases in ICU is speeding up. When the **speed < 0**, then trend of cases in ICU is slowing down. When **speed = 0**, then the cases in ICU have plateaued. The goal is to drive cases in ICU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





COVID-19 hospitalizations curve and speed of hospitalizations: as of February 9, 2022 in Ontario The speed of COVID-19 spread

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

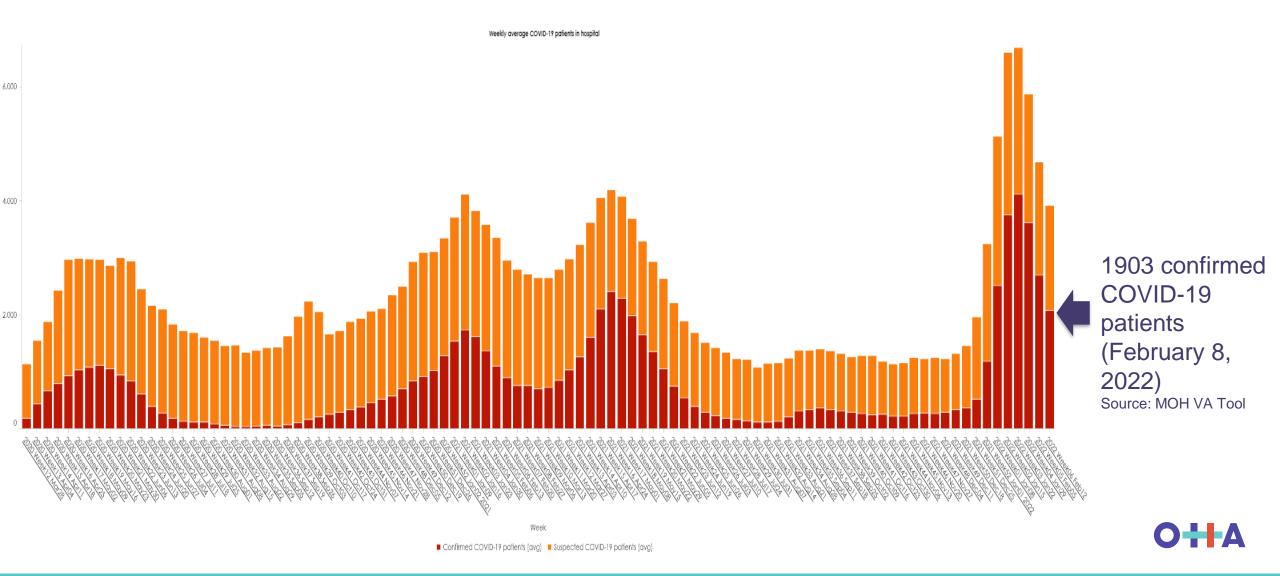
- The "speed signal" metric, developed by Jonathan Wang
 Twitter: @wanghoaneng in 2020, is a simple calculation method with intuitive explanatory power for rates and spread.
- The speed signal can be considered as the number of hospitalization or ICU cases per day that can be expected if the current 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 February 8, 2022)



Hospital Occupancy (Data as of February 8, 2022)

Source: MOH VA Tool Data extracted on February 7, 2022 9

All Beds (Total)
92.5%

+/- from previous day 0.6

2,499 Availiable beds Acute

95.6% +/- from previous day 0.9

> 923 Availiable beds

Post-acute

87.1%

+/- from previous day -0.1

1,526 Available beds 5,215

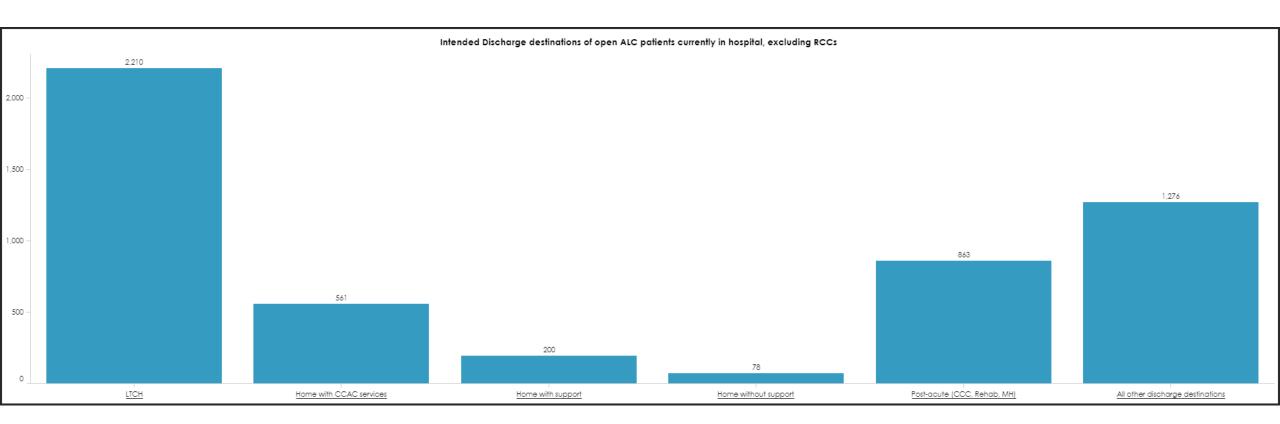
ALC Open Cases Excludes RCCs 10.8%

% waiting for homecare

42.7%

% waiting for LTC

As of February 8, there were **357** ALC patients in RCC beds, where 1 out of 2 intended to be discharged to LTCH.

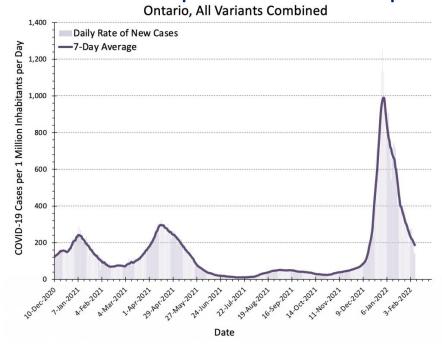




Highlights: COVID-19 Science Table Ontario Dashboard

Key Indicators for Ontario	
Effective Reproduction Number R(t) Based on COVID-19 Cases	-*
Estimated Number of COVID-19 Cases per Day, on 09-Feb-2022	2,651
Change per Week	-903
Halving Time (Days)	15.2
Estimated Percentage Caused by Omicron	100.0%
Standardized Wastewater Signal, on 04-Feb-2022	0.52
Change per Week	-0.08
Halving Time (Days)	111.9
Test Positivity	13.0%
Change per Week	-0.6%
COVID-19 Hospital Occupancy, on 08-Feb-2022	2,095
Change per week	-877
Halving Time (Days)	14.9
COVID-19 ICU Occupancy, on 08-Feb-2022	449
Change per Week	-106
Halving Time (Days)	25.9
Estimated Number of COVID-19 Deaths per Day, on 06-Feb-2022	53
Change per Week	-7
COVID-19 Cases per 1 Million per Day, on 09-Feb-2022	180.0
Among Unvaccinated People	374.2
Among People Vaccinated with at Least 2 Doses	141.8
Reduction Associated with at Least 2 Vaccine Doses	-62.1%
COVID-19 Hospital Occupancy per 1 Million, on 08-Feb-2022	142.2
Among Unvaccinated People	626.3
Among People Vaccinated with at Least 2 Doses	104.6
Reduction Associated with at Least 2 Vaccine Doses	-83.3%
COVID-19 ICU Occupancy per 1 Million, on 08-Feb-2022	30.5
Among Unvaccinated People	194.2
Among People Vaccinated with at Least 2 Doses	18.4
Reduction Associated with at Least 2 Vaccine Doses	-90.5%
COVID-19 Vaccination in Ontario, on 08-Feb-2022	
Number of People Vaccinated With at Least 1 Dose	12,508,829
Change per Week	+33,622
Percent of People Aged 5+ Vaccinated With at Least 1 Dose	89.3%
Change per Week	+0.2%
Number of People Vaccinated With at Least 2 Doses	11,847,856
Change per Week	+91,697
Percent of People Aged 5+ Vaccinated With at Least 2 Doses	84.6%
Change per Week	+0.7%
Number of People Vaccinated With 3 Doses	6,650,287
Change per Week	+192,573
Percent of People Aged 18+ Vaccinated With 3 Doses	55.6%
Change per Week	+1.4%

Estimated Rate of COVID-19 Cases per 1 Million Inhabitants per Day in Ontario



Current COVID-19 Risk in Ontario by Vaccination Status

