



CorHealth COVID-19 Stakeholder Forum Meeting

May 12, 2021 | 4:00-5:00 pm

Teleconference: (647) 951-8467 or Long Distance: 1 (844) 304 -7492

Conference ID: 976 522 06#

Agenda

TIME	DISCUSSION	ACTION REQUIRED	LEAD
4:00	Welcome & Meeting Objectives	Information	Dr. Tom Forbes
4:05	Cardiac and Stroke Activity Highlights	Information/ Discussion	Deanna Wu
4:10	COVID-19 Current State, Planning, and HHR Strategies	Information/ Discussion	Dr. Chris Simpson Judy Linton
4:30	CritiCall Ontario Update	Information/ Discussion	Christine Moon
4:45	Modelling Example: Peripheral Artery Disease Modelling	Information	Dr. Charles de Mestral
4:55	Other Updates & Next Steps	Information	Dr. Tom Forbes Sheila Jarvis



Welcome

Sheila Jarvis, CEO, CorHealth Ontario

Dr. Tom Forbes, Chair, CorHealth Clinical Advisory Committee

Meeting Objectives

- Provide current, consistent information about COVID-19 to CorHealth's cardiac, stroke, and vascular stakeholders:
 - Most recent available data for Cardiac and Stroke Activity
 - COVID-19 Current State from Ontario Health
 - CritiCall Ontario and Patient Transfers
 - Peripheral Artery Disease Modelling
- Identify issues and recommendations to escalate to provincial COVID-19 IMS tables
- Provide an opportunity to discuss implications of Wave 3

Housekeeping Reminders:

- *Please ensure that you are on mute, not on hold, when you are not speaking on the call*
- *To unmute on your computer, click the mute/unmute button in the Teams meeting. To unmute on your phone, please press *6*



Cardiac and Stroke Activity Highlights

Deanna Wu, Director, Analytics & Reporting, CorHealth Ontario

Cardiac and Stroke Activity Summary

Cardiac	Stroke
<ul style="list-style-type: none">• Patients are still coming to EDs for care• Procedure volume changes in April 2021 compared to 2019 range from a 12% increase (TAVI) to a 40% decrease (Standard Ablations)• Ramp down varies across regions, with Toronto having ramped down the most in April	<ul style="list-style-type: none">• Patients are still coming to EDs for care

Note: Corhealth receives vascular data from Ontario Health (Access to Care) on a bi-weekly basis



COVID-19 Current State

Dr. Chris Simpson, Executive Vice President, Medical, Ontario Health

Judy Linton, Chief Nursing Executive and Clinical Institutes and Quality Programs Executive, Ontario Health



CritiCall Ontario Update

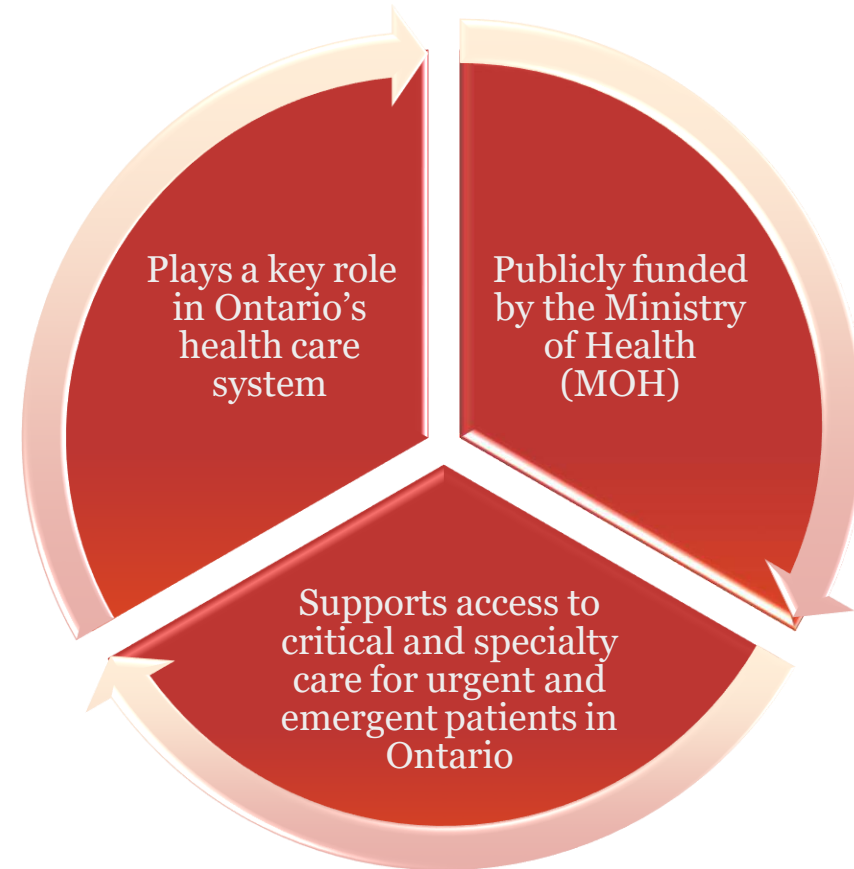
Christine Moon, Manager of Communications & Client Relations, CritiCall Ontario

About CritiCall Ontario

We provide urgent and emergency consultation and referral services to hospital-based physicians in Ontario through our Call Centre

1-800-668-4357 (HELP)

- ✓ In 2020/2021, we facilitated **44,362** cases
- ✓ Of those, **17,191** required transfer to another hospital



How Our Call Centre Service Works

1-800-668-4357 (HELP)



Physician
(or designate)
calls
**1-800-668-
HELP** (4357)



Referring
hospital
information &
patient
demographics
are relayed



Resource
information
will direct the
Call Agent to
the appropriate
specialist to
provide a
consultation



The referring
and consulting
physicians
discuss next
steps based on
patient
condition



If the patient
requires transfer
and the
consulting
physician
cannot accept,
the patient will
be referred to
the next
appropriate
facility

Case Volumes & Activity

CritiCall Ontario	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21
Number of Cases	23,032	26,614	30,549	34,354	38,453	42,135	44,602	45,939	44,362
Patients Transferred	12,836	13,916	15,449	16,737	17,898	19,025	18,649	18,528	17,191
Patients Not Transferred	10,196	12,698	15,100	17,617	20,555	23,110	25,953	27,411	27,171

CritiCall Ontario is funded by the Government of Ontario

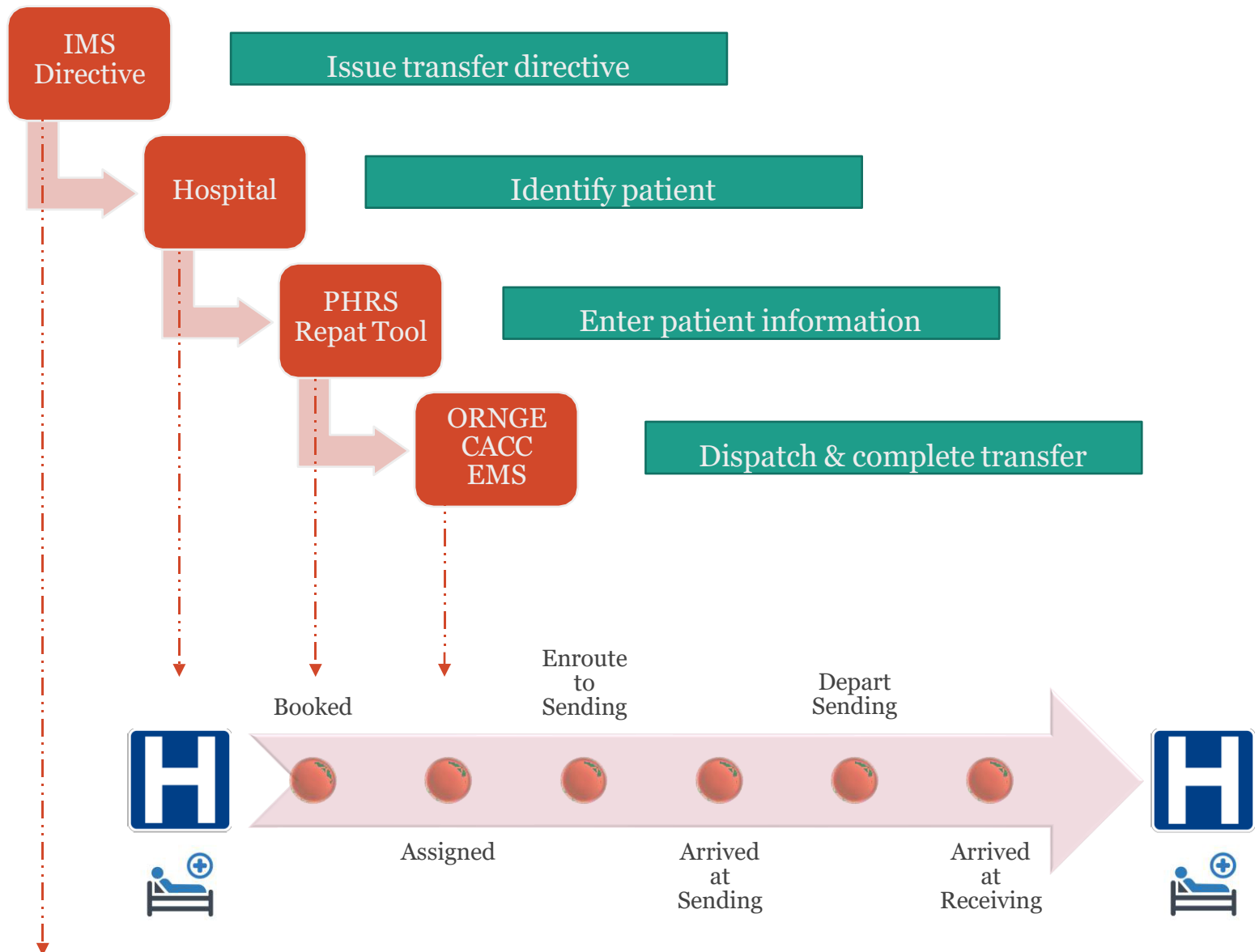
Data Highlights

2019/2020 DATA

- **Vascular:** 2,180
 - Life or Limb: 545
- **Cardiology** 1,685
 - Life or Limb: 659
- **Cardiac Surgery:** 328
 - Life or Limb: 139
- **Neurology:** 5,600
 - Life or Limb: 3,548

2020/2021 DATA

- **Vascular:** 2,195
 - Life or Limb: 494
- **Cardiology:** 1,483
 - Life or Limb: 576
- **Cardiac Surgery:** 326
 - Life or Limb: 171
- **Neurology:** 5,117
 - Life or Limb: 3,189



Ontario Patient Transfer System (OPTS)

Ontario Patient Transfer System

Ontario Patient Transfer System (OPTS)

Refreshed up to May 10, 2021 13:30

PHRS ReqNum

Sending Region

Central East North Toronto West

CACC ID

IMS Directive #

Total Requests

343

PTAC/MT #

Sending Hospital

Receiving Hospital

Servicename

Status

OPTSID	PHRS ReqNum	PTAC_MT #	IMS Directive #	Sending Hospital	Receiving Hospital	CACC ID	Service Name	Status	Status DateTime
3-Acute-118-6806176			3-Acute-118			888	ORNGE Air Ambulance	Assigned	5/10/2021 1:24:00 PM
0-ICU-Proactive-6806394			0-ICU-Proactive					PreBooked	5/10/2021 1:23:19 PM
3-Acute-118-6806313			3-Acute-118			888	Middlesex-London Paramedic Services	Assigned	5/10/2021 1:23:00 PM
3-Acute-118-6806314			3-Acute-118			888	Middlesex-London Paramedic Services	Assigned	5/10/2021 1:21:00 PM
3-Acute-118-6806306			3-Acute-118			888	Middlesex-London Paramedic Services	Assigned	5/10/2021 1:19:00 PM
0-ICU-Rescue-6806363			0-ICU-Rescue					Booked	5/10/2021 12:53:28 PM
3-Acute-118-6448110			3-Acute-118					Booked	5/10/2021 12:51:27 PM

Pre-Booked
Booked
Assigned
Enroute to Sending
Arrived at Sending
Depart Sending
Arrived at Receiving

Cancelled (PHRS)
Cancelled (Transport)

Disclaimer: This data is confidential and cannot be shared or distributed
Data Source(s): PHRS Repat Tool, MOH CACC, TPS, ORNGE. The dataset is refreshed every 30 minutes.

CritiCall Ontario is funded by the Government of Ontario





Thank You!



CritiCall Ontario is funded by the Government of Ontario



Peripheral Artery Disease Modelling Update

Dr. Charles de Mestral, Vascular Surgeon, St. Michael's Hospital, and Assistant Professor, University of Toronto

Modelling Impact of COVID-19 on CLTI in Ontario

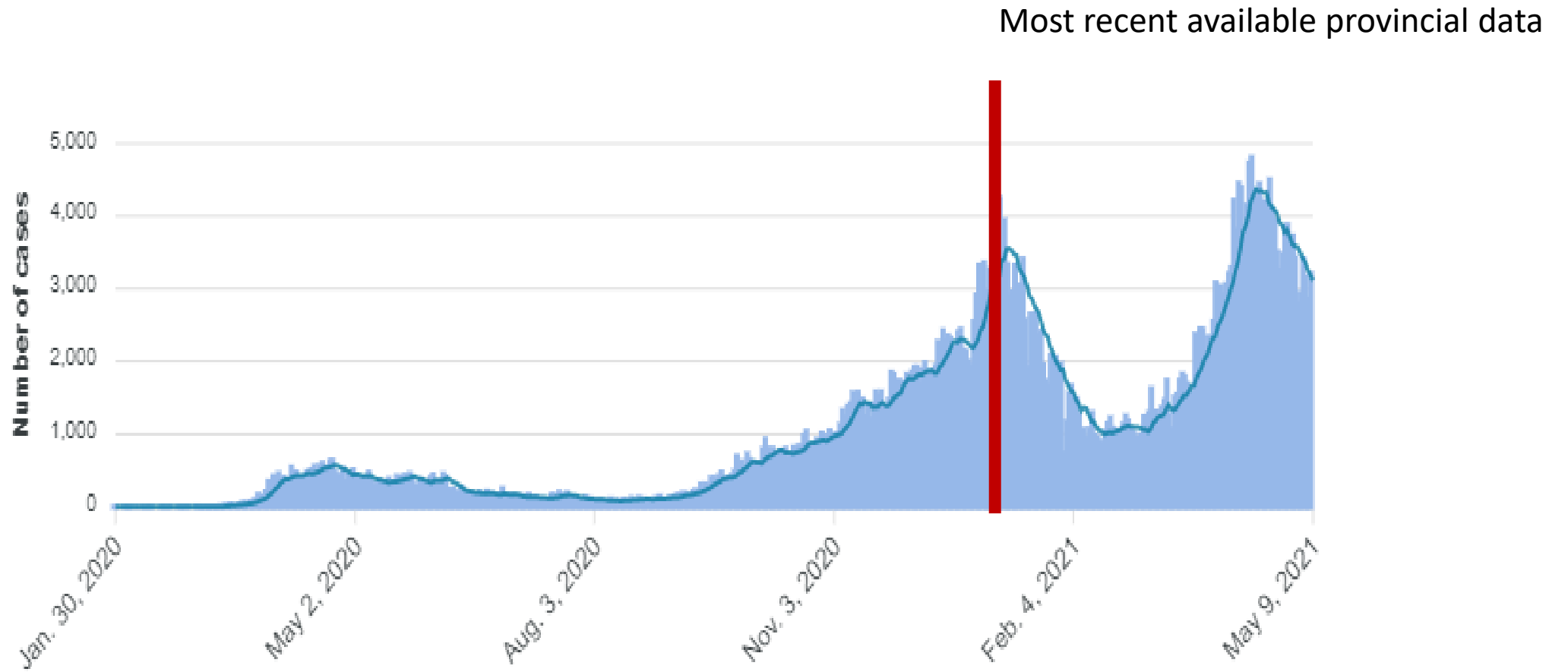
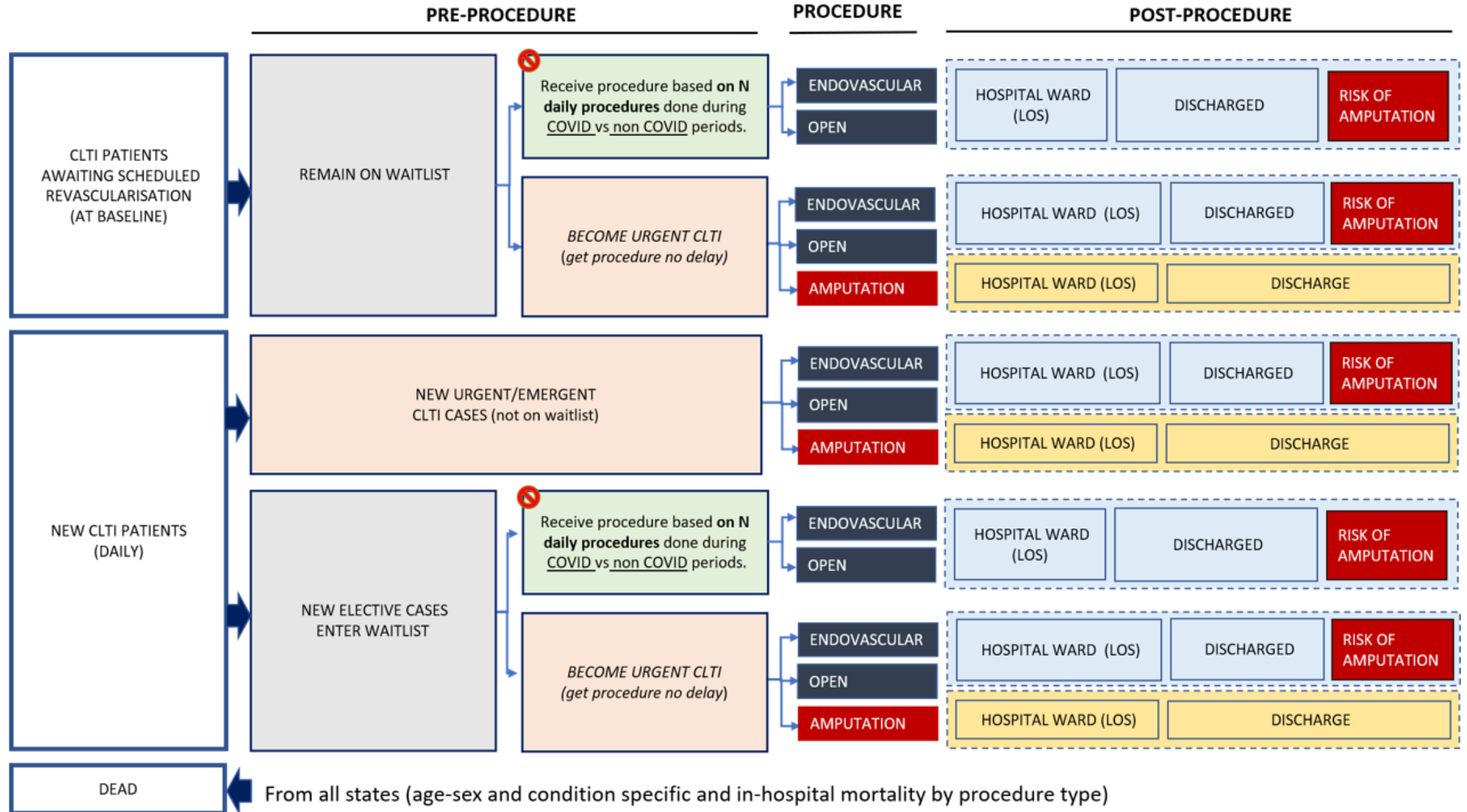


Figure 1: Model Structure



Results

Table 2: Base-case results

Outcomes	COVID-19 Scenario Mean	Non-COVID-19 Scenario Mean	Mean Difference (95%CI)	Excess cases (N)
Number of individuals seeking care with CLTI	6,463	6,496	-	-
QALYs (over lifetime)	11.37	11.43	0.07 (0.06-0.07)	-
QALYs at 5-year post-discharge	4.12	4.14	0.02 (0.02-0.02)	-
Deaths at 5-year post-discharge (%)	25.84 (N=1,463)	25.40 (N=1,442)	0.44 (0.41-0.47)	21
Major amputations at 5-year post-discharge (%)	13.16 (N=745)	12.89 (N=732)	0.28 (0.25-0.30)	14
Wait times for scheduled revascularization (days)	17.86	11.35	6.51 (6.44-6.58)	-

Table 2. Results for the base-case analyses are projections based on an average and 95% CI of 500 runs of the model over the lifetime of simulated patients during the COVID-19 vs. non-COVID-19 scenarios. Abbreviations: CLTI: critical limb threatening ischemia; QALYs: quality-adjusted life years.

Summary

- Three waves of COVID-19 in Ontario - March 16, 2020 to June 15, 2021
- Among ~6,400 CLTI patients
- Result in (over 5-years):
 - Additional major amputations (14-21)
 - Additional deaths (21-34)
 - Lower Quality-adjusted Life-years
 - Longer wait time for scheduled revascularization



Other Updates and Next Steps

Dr. Tom Forbes, Chair, CorHealth Clinical Advisory Committee

Other Updates and Next Steps

- We will continue holding a combined COVID-19 Stakeholder Forums (cardiac, stroke, and vascular stakeholders) weekly for half an hour, as necessary
- If group members would like to share or suggest any future agenda items, please email Emma Jowett (emma.jowett@corhealthontario.ca)
- Forum Summary Notes and Presentations can be found at the CorHealth COVID-19 Resource Centre (<https://www.corhealthontario.ca/resources-for-healthcare-planners-&-providers/covid19/forum>)



Appendix



Appendix: Cardiac, Vascular, and Stroke Activity Update

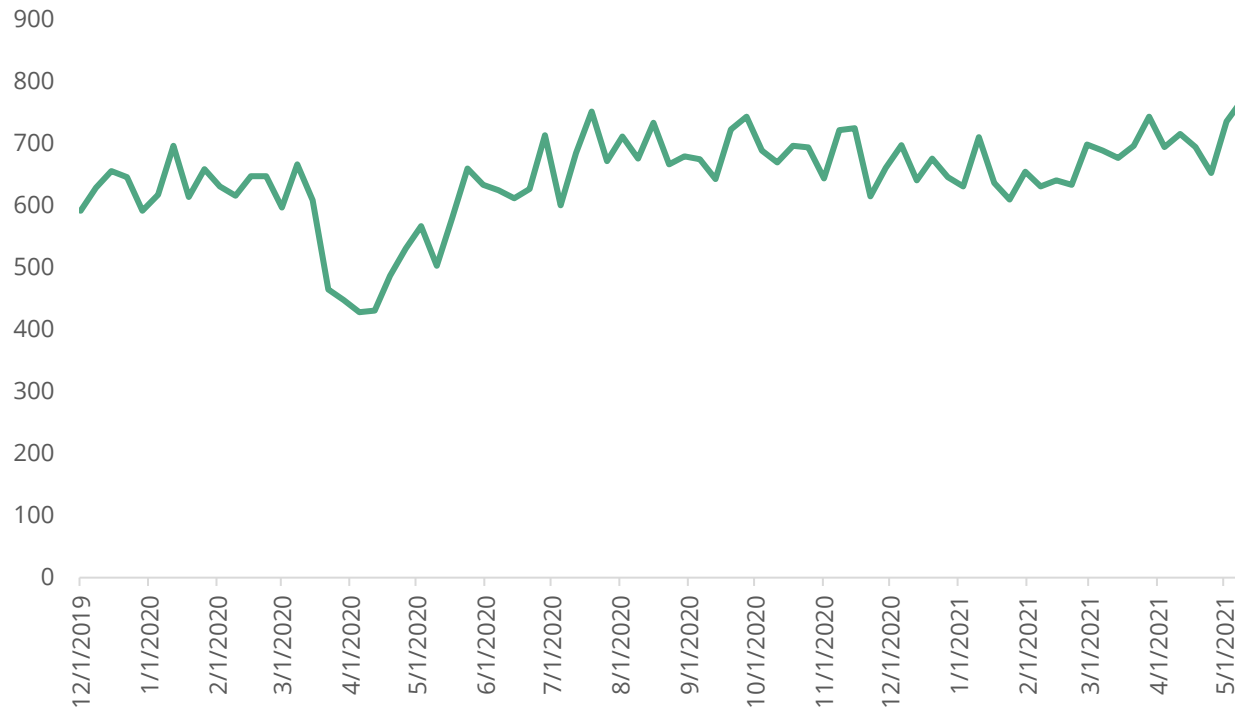
Data from the CorHealth Cardiac Registry and eCTAS

Stroke and Cardiac eCTAS Presentations

Patients have continued to seek care at EDs since grey lockdown and stay at home orders were implemented in March/April

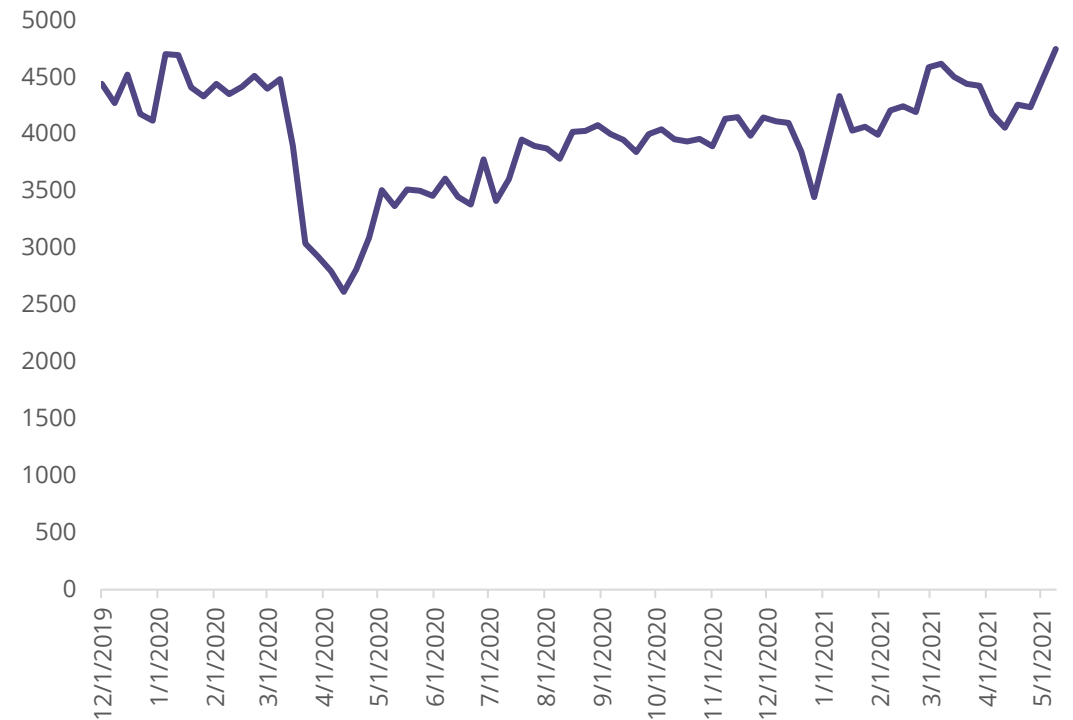
Stroke

Extremity Weakness / Symptoms of CVA

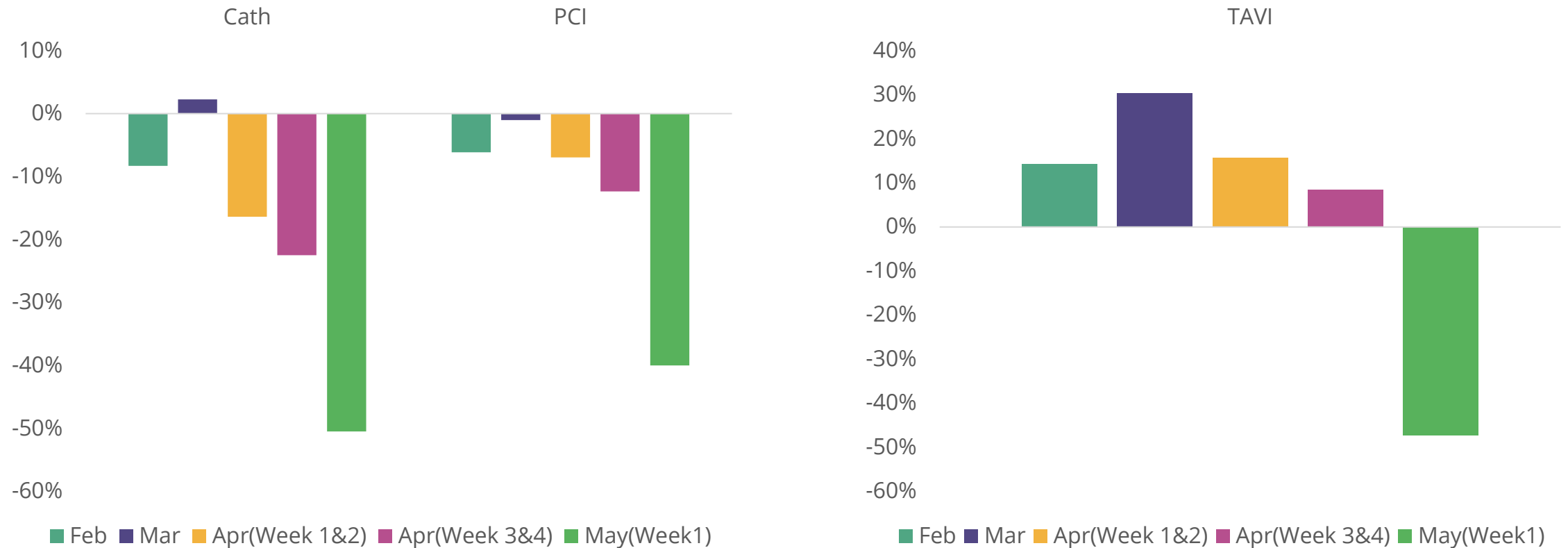


Cardiac

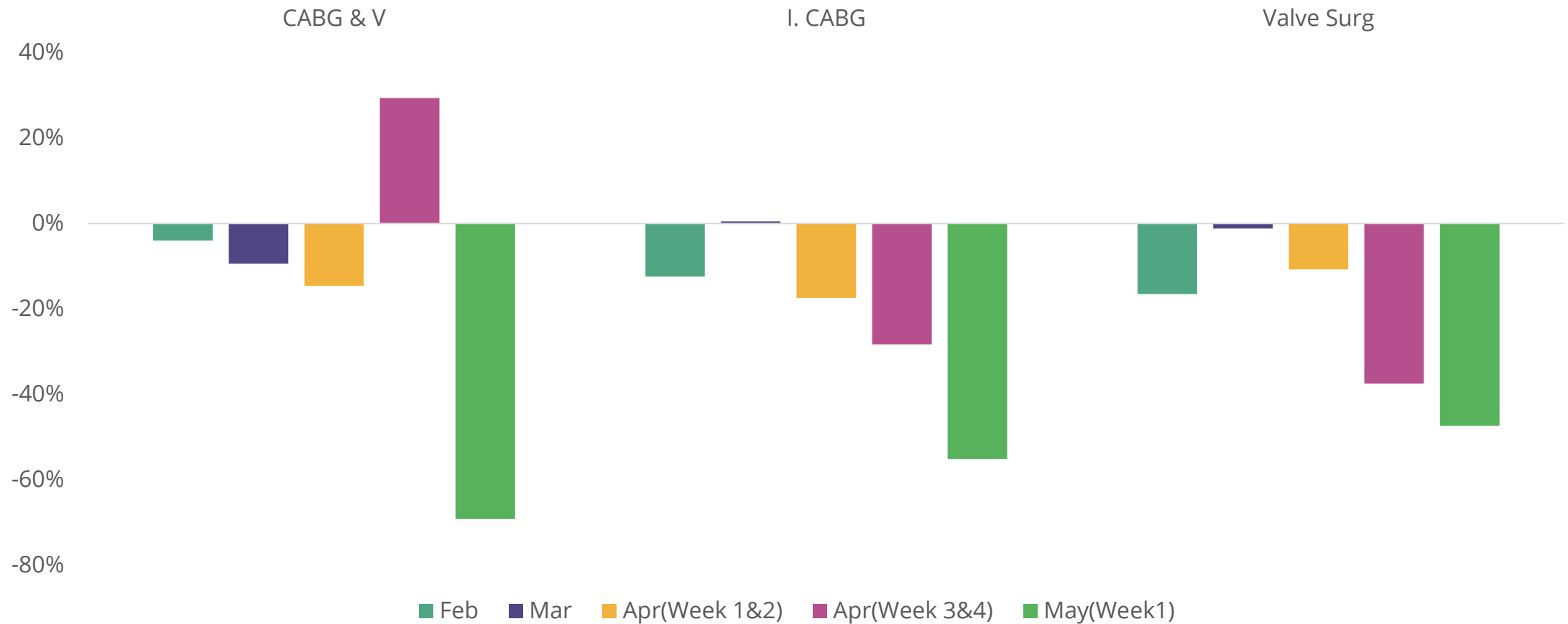
Chest Pain - Cardiac Features



Change in Ontario Cardiac Volumes



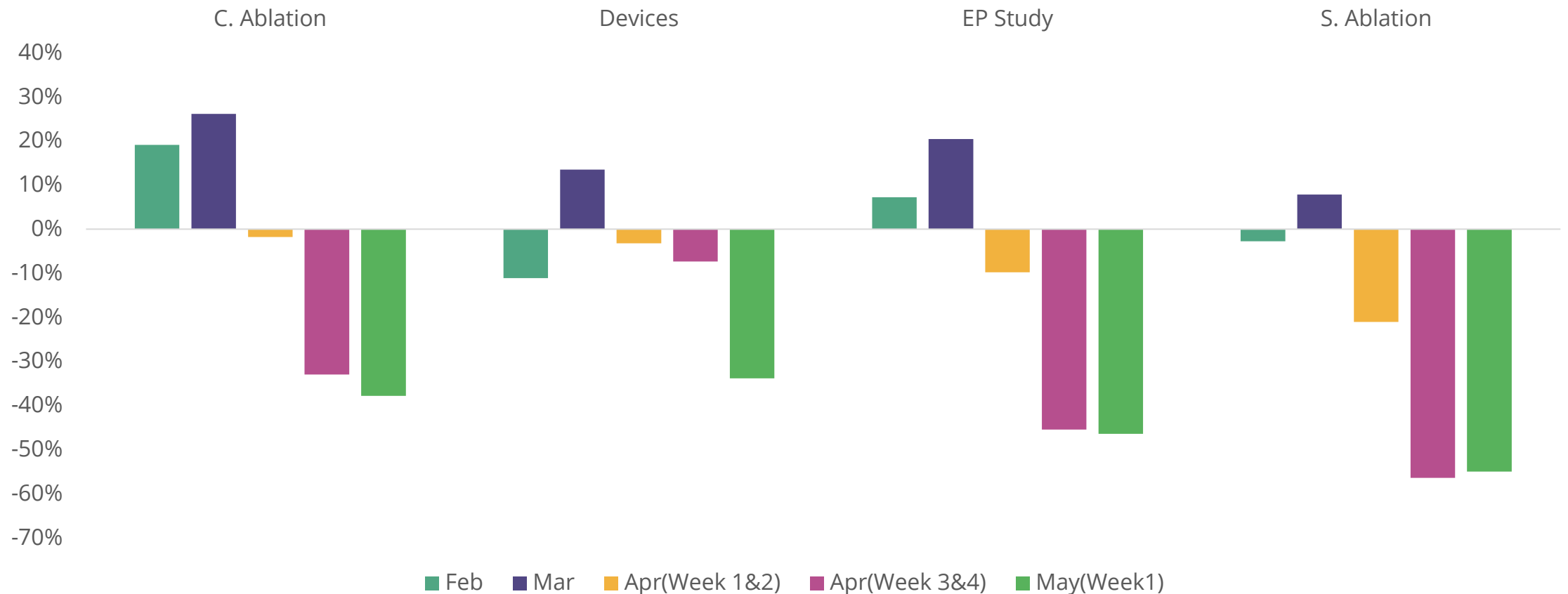
Change in Ontario Cardiac Volumes



The volume reduction in the most recent week is overestimated due to data entry lag

Baseline = 2020 for February; 2019 for March, April and May

Change in Ontario Cardiac Volumes

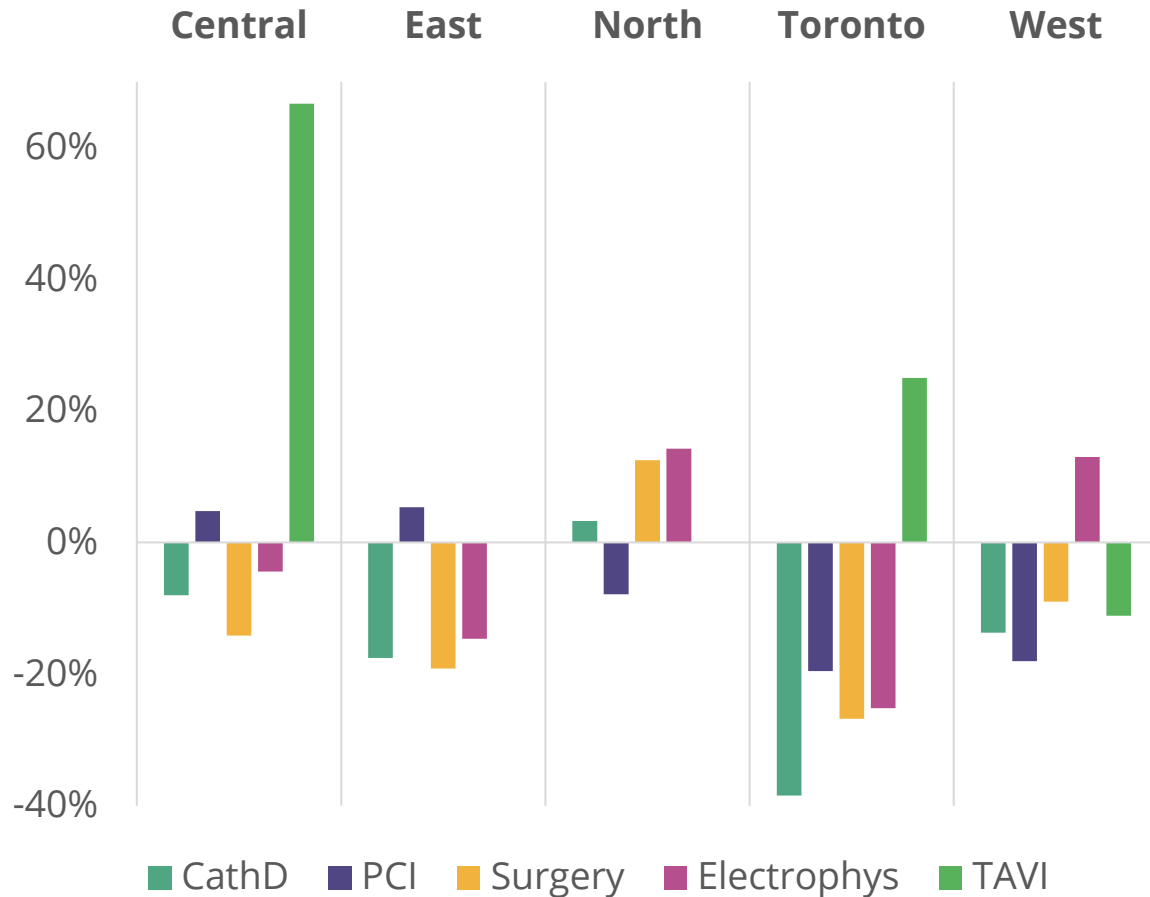


The volume reduction in the most recent week is overestimated due to data entry lag

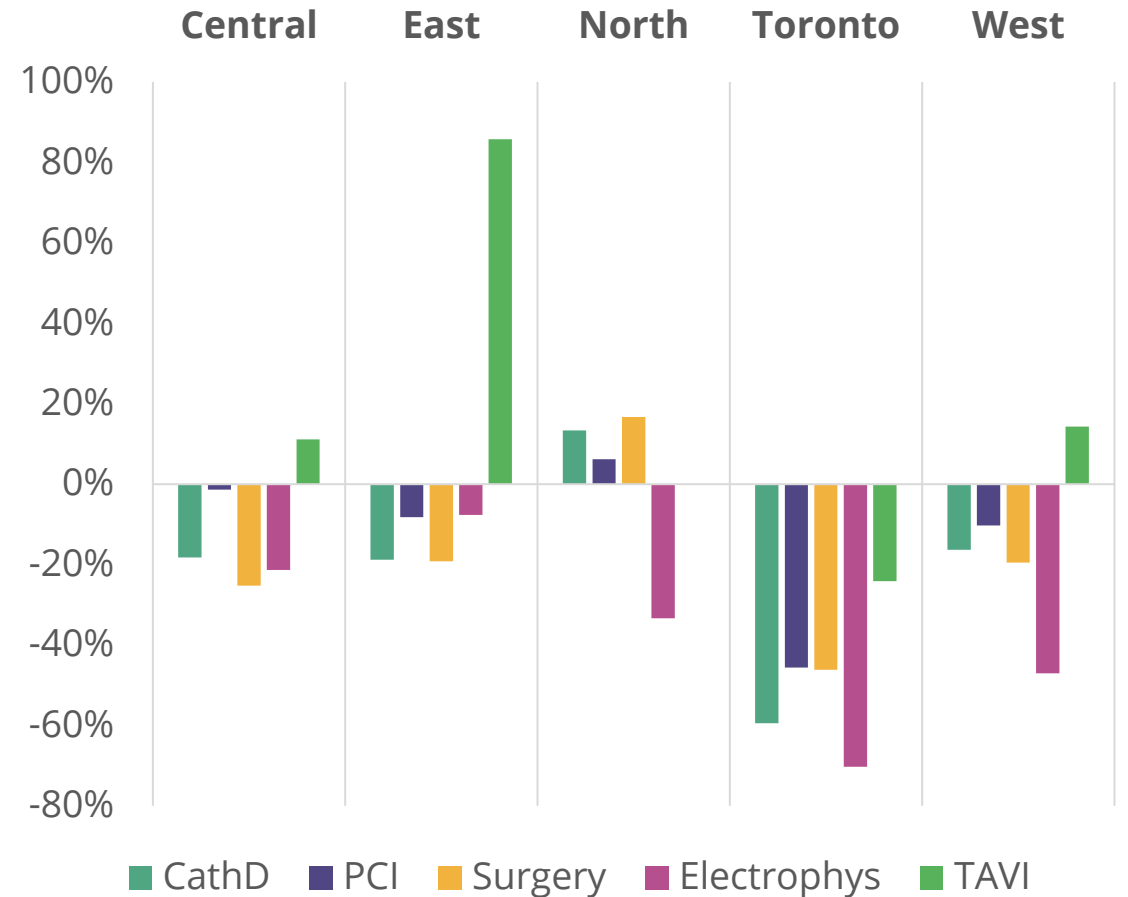
Baseline = 2020 for February; 2019 for March, April and May

Change in Regional Cardiac Volumes April 2021 compared to 2019

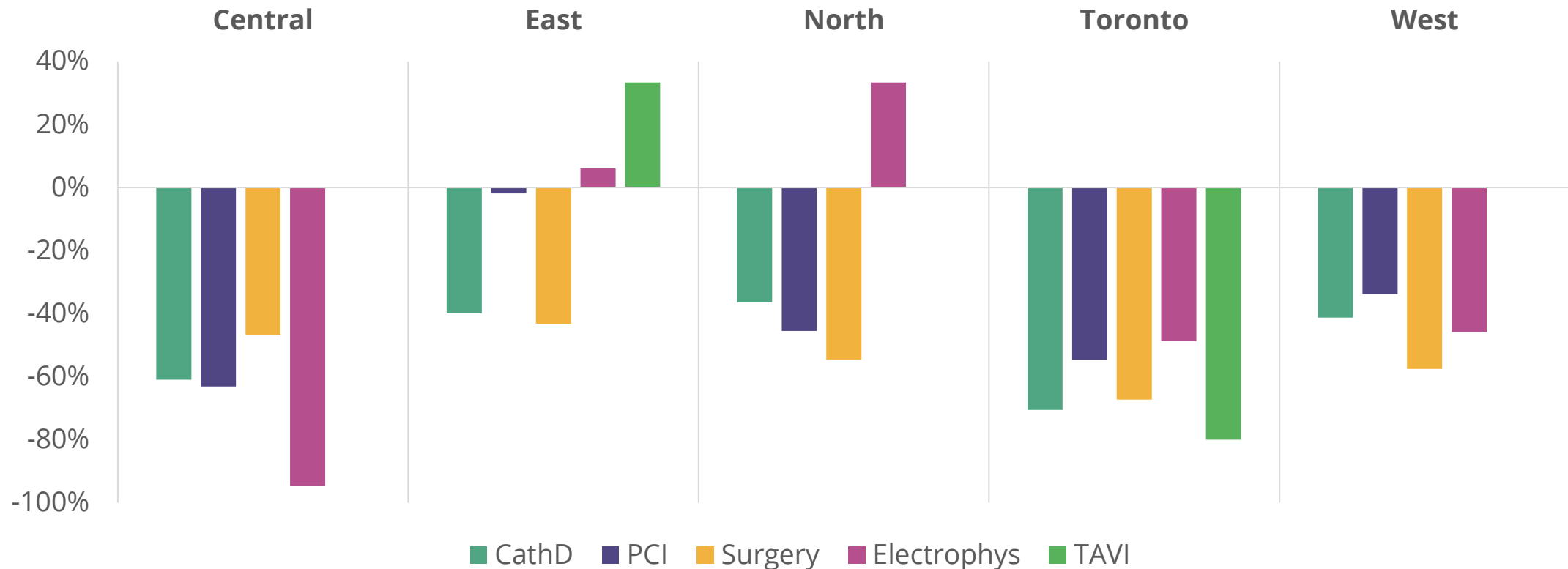
April Week 1&2



April Week 3&4

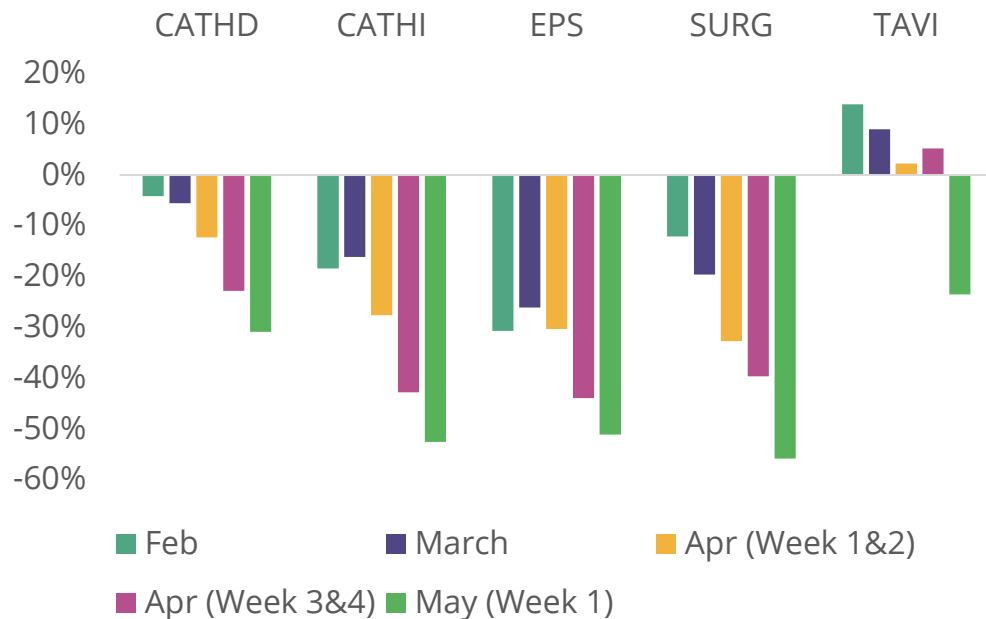


Change in Regional Cardiac Volumes 1st week of May 2021 compared to 2019

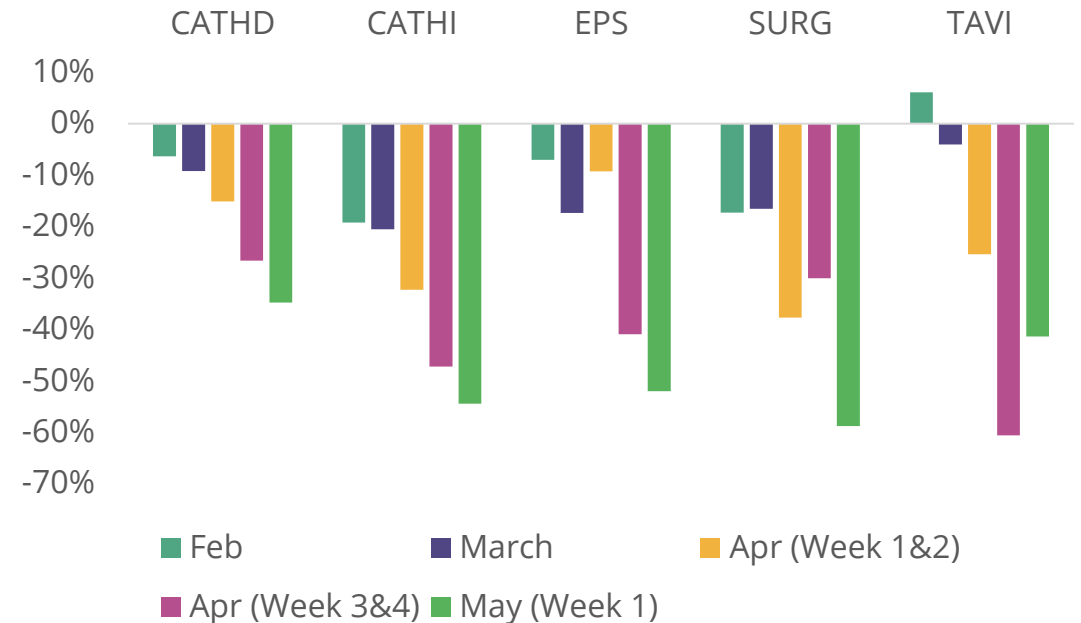


Change in Ontario Cardiac New Referrals 2021 Compared to Baseline

New Referrals (Wait 1 Wait List)



New Acceptances (Wait 2 Wait List)



The volume reduction in the most recent week is overestimated due to data entry lag

Baseline = 2020 for February; 2019 for March, April and May