



CorHealth COVID-19 Cardiovascular Stakeholder Forum Meeting

March 16, 2021 | 8:00-9:00 am

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

Conference ID: 262 741 348#

Agenda

Time	Description	Presenter / Facilitator
08:00	1. Welcome <ul style="list-style-type: none">System UpdatesMeeting Objectives	Sheila Jarvis
8:05	2. COVID-19 & Monitoring System Recovery <ul style="list-style-type: none">COVID-19 Recovery Planning	Dr. Chris Simpson <i>Executive Vice-President (Medical), Ontario Health; Member of the Clinical Science Table and leader at the Ontario Health System COVID-19 Oversight Table.</i>
8:25	3. Cardiac & Vascular COVID-19 Activity Reports <ul style="list-style-type: none">Key Trends in DataUpdates to COVID-19 Activity Reports	Deanna Wu
8:45	4. Open Forum Discussion <ul style="list-style-type: none">Key concerns related to system recovery: Restore, Sustain, Transform<ul style="list-style-type: none">E.g., Health Human Resource capacity challenges, return of 'disappearing patients', potential wave 3 impacts	Dr. Madhu Natarajan & Dr. Sudhir Nagpal
08:55	5. Other Updates and Next Steps	Mike Setterfield



Welcome

SHEILA JARVIS

System & CorHealth Updates

- One year ago today, the MOH released its first COVID 19-related memo regarding ramping down elective surgeries and other non-emergent activities
- It has been a year of tremendous knowledge sharing, adaptation, hard work, and navigating the challenges of the pandemic
- Thank you forum members

Meeting Objectives

- Provide an overview and discuss Ontario Health COVID-19 Recovery Planning, including the main goals and approach to recovery
- Review and discuss key cardiac & vascular COVID-19 activity trends, and provide an overview of the updated COVID-19 activity reports
- Discuss key concerns related to system recovery in the context of the goals to restore, sustain & transform

Housekeeping Reminders:

- *Please ensure that you are on mute, not on hold, when you are not speaking on the call*
- *Please be aware that when the call is put on hold, we often hear hold music or persistent beeping*

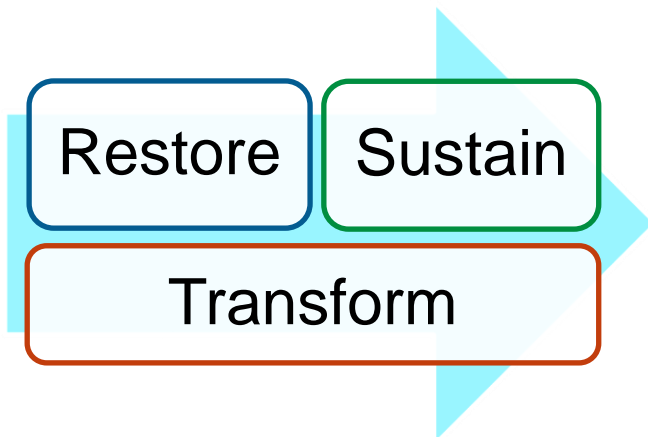


COVID-19 Recovery Planning

DR. CHRIS SIMPSON



Concepts for COVID-19 recovery



Supported by **information** to know how our recovery is progressing

Restore functionality in areas where the pandemic adversely affected care and services (without necessarily returning to previous ways of working)

Sustain positive momentum and keep new processes, care pathways, and structures that have been effective

Transform the system to adopt new processes, care pathways, and structures in areas where fundamental change is required

Potential areas of focus in COVID-19 recovery

Restore

Examples of health care needs we should restore (applying an equity lens) include, but are not limited to:

- Screening for cancer, diabetes, hypertension, and other conditions
- Chronic disease management
- Opioid use, alcohol use, and other substance use disorders
- Scheduled surgeries/procedures/ diagnostic imaging
- Health care worker well-being and burnout
- ***Additional areas of focus TBD***

Sustain

Examples of positive changes to sustain include, but are not limited to:

- Virtual care
- COVID-19 management beyond the crisis
- Increased collaboration within the health sector, including with primary care and public health
- Partnerships beyond health sector
- Structures established during the pandemic (e.g., sustain regional tables, transition IMS structures to focus on recovery and patient flow)
- Pace of decision-making and change
- ***Additional areas of focus TBD***

Transform

Examples of fundamental changes include, but are not limited to:

- Prioritize population health to reduce health disparities
- Transform care for older adults
- Create health human resources capacity through innovative models and solutions
- Transform and increase access to mental health and addictions care
- Expand knowledge management capabilities (e.g., data, analytics, and decision support)
- ***Additional areas of focus TBD***

Ongoing Collaboration with Regional Tables/Structures

Discussion

- We welcome your input on these early thoughts on COVID-19 recovery planning



Thank You



Cardiac & Vascular COVID-19 Activity Update

DEANNA WU

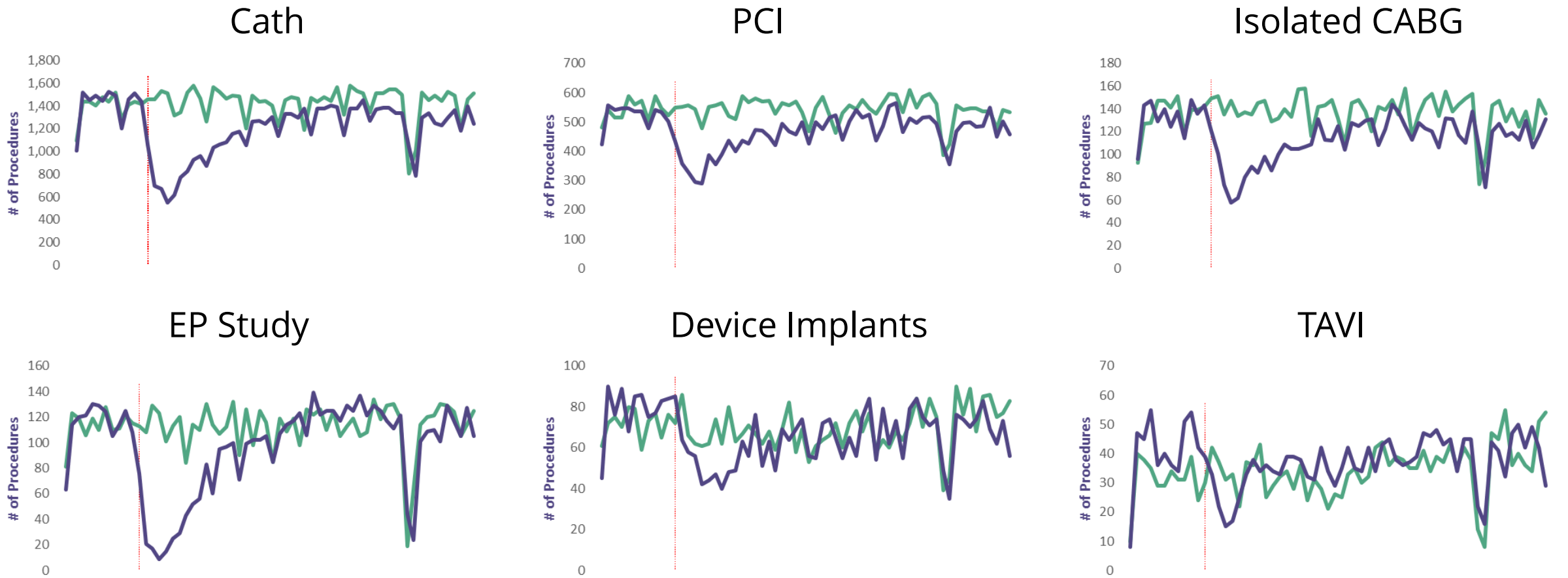


Cardiac COVID Activity Update

Data from the CorHealth Cardiac Registry

Ontario Procedure Volumes

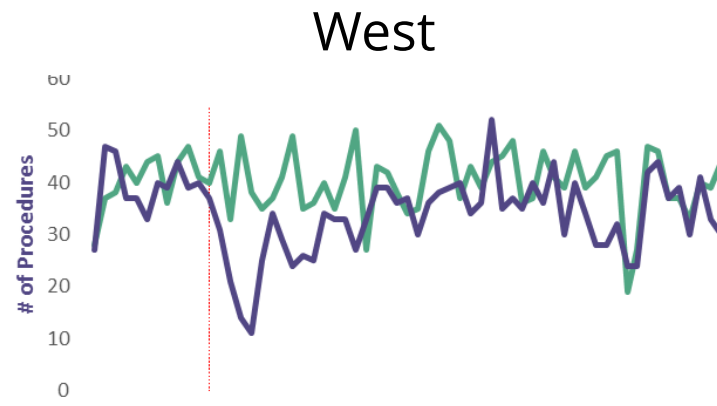
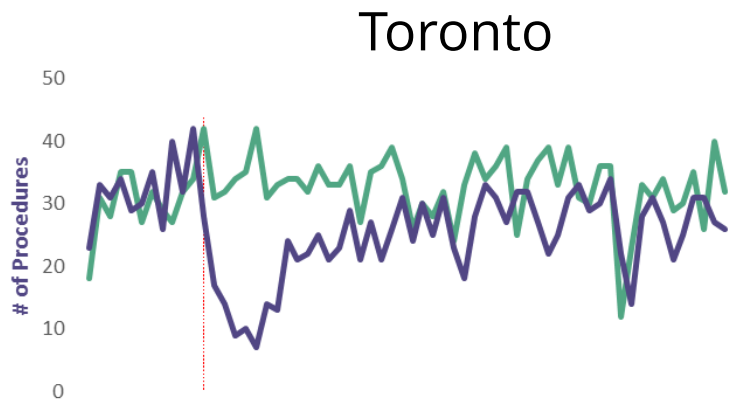
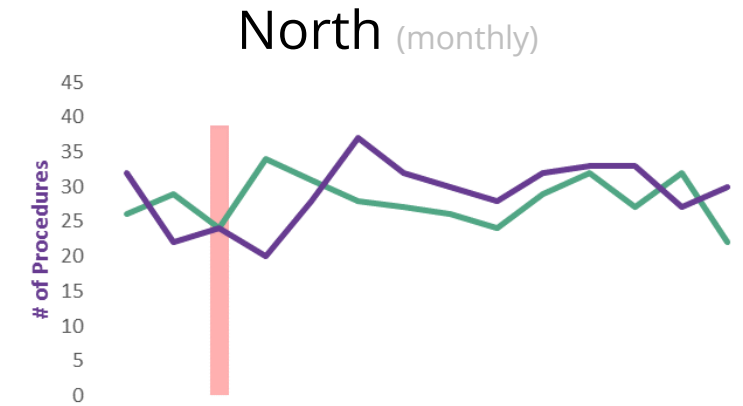
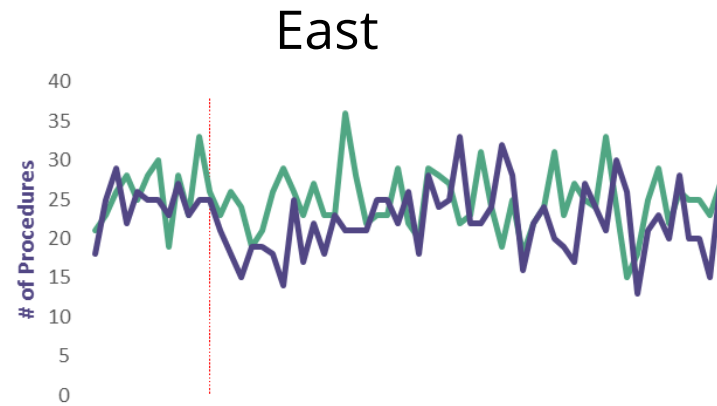
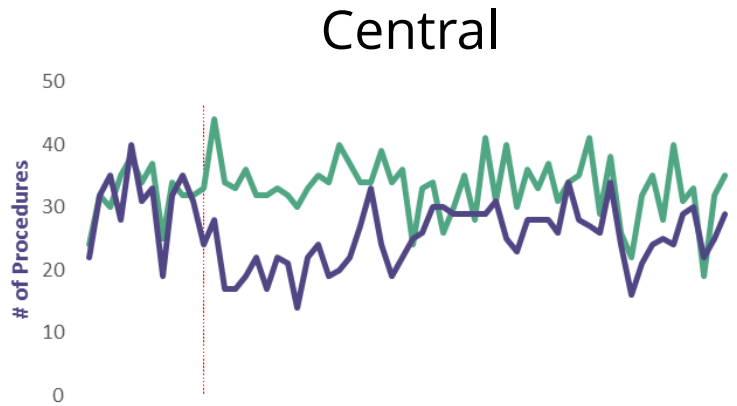
- Start of Pandemic (March 16, 2020)
- Baseline (Jan 2019 – Mar 2020)
- Pandemic (Jan 2020 – Mar 2021)



Volumes decreased dramatically during the initial lockdown before gradually returning to near pre-pandemic levels

Procedure Volumes by Region – Isolated CABG example

— **Start of Pandemic** (March 16, 2020)
— **Baseline** (Jan 2019 – Mar 2020)
— **Pandemic** (Jan 2020 – Mar 2021)



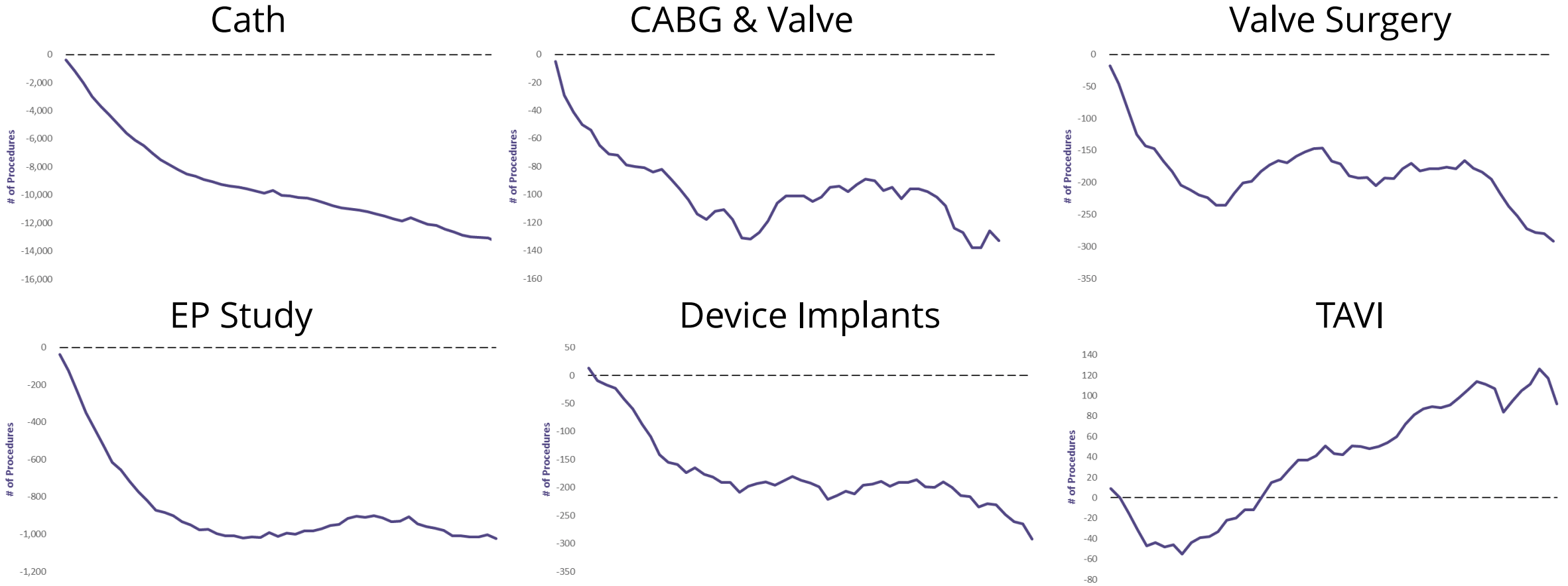
CABG Volume Reduction During Pandemic Compared to Prior Year		
Region	%	#
Central	-25%	-425
East	-10%	-128
North	5%	17
Toronto	-25%	-422
West	-17%	-350
Ontario	-19%	-1308



Volume impacts vary by region, which will affect recovery planning

Cumulative Volume Reduction Over Time

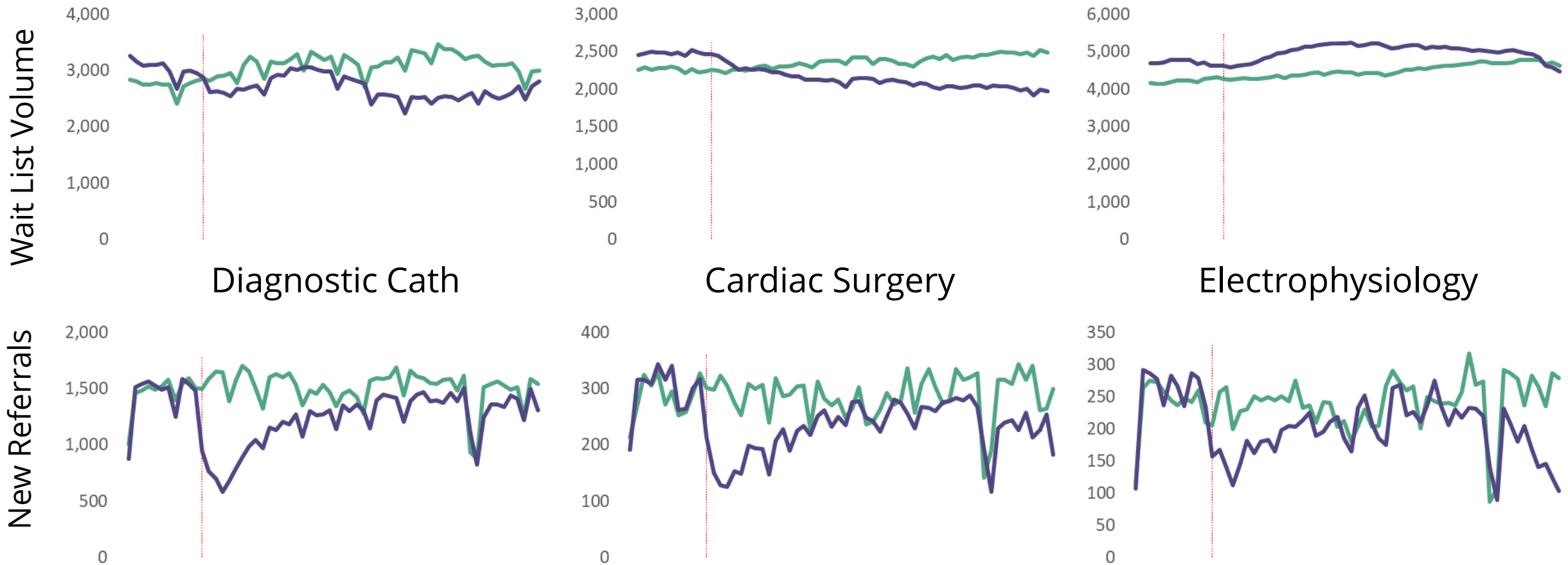
Pandemic vs Baseline



If demand for services remained the same as the previous year's supply, we would expect a procedure "backlog" to accumulate over time, with many of these patients eventually showing up in the system sicker the usual

Ontario Wait List and New Referral Volumes

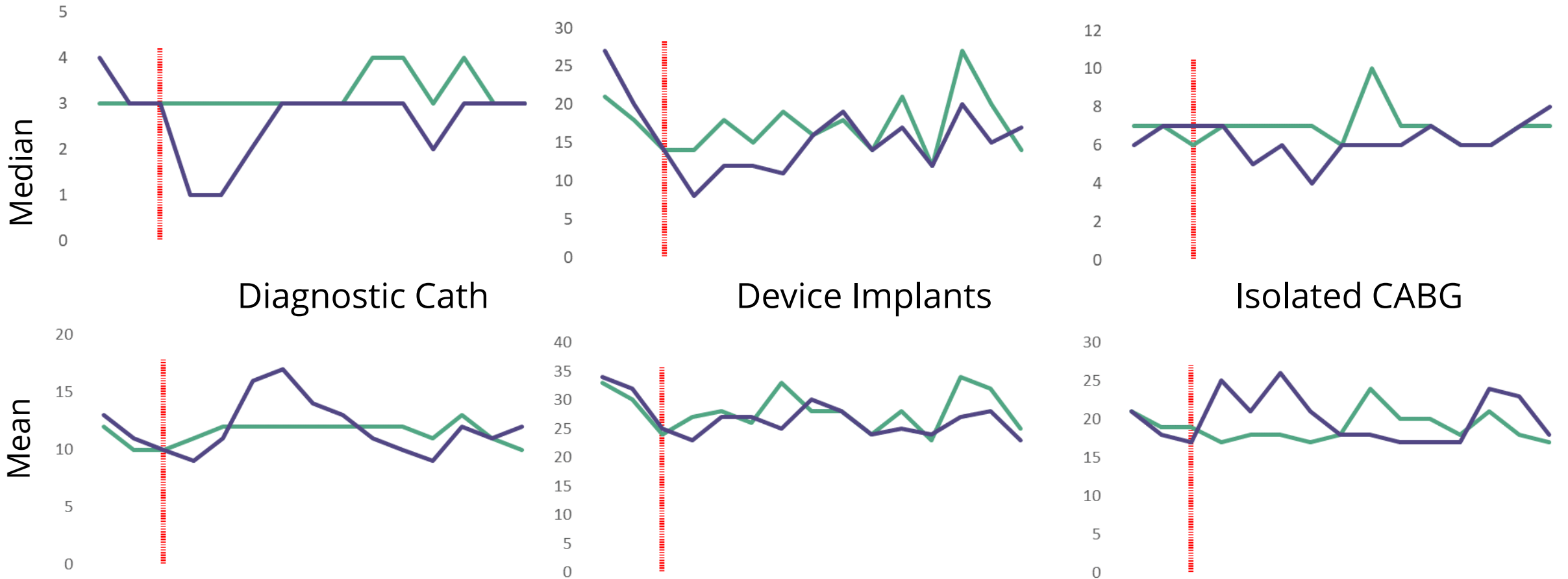
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Wait lists have not yet increased due to a reduction in new referral volumes that resembles the reductions in procedure volumes

Ontario Wait 2 Wait Times

- **Start of Pandemic** (March 16, 2020)
- **Baseline** (Jan 2019 – Mar 2020)
- **Pandemic** (Jan 2020 – Mar 2021)



Some procedures have had lower median wait times, likely especially during the initial lockdown. This may be due to more urgent procedures still being done while less urgent procedure were not referred.

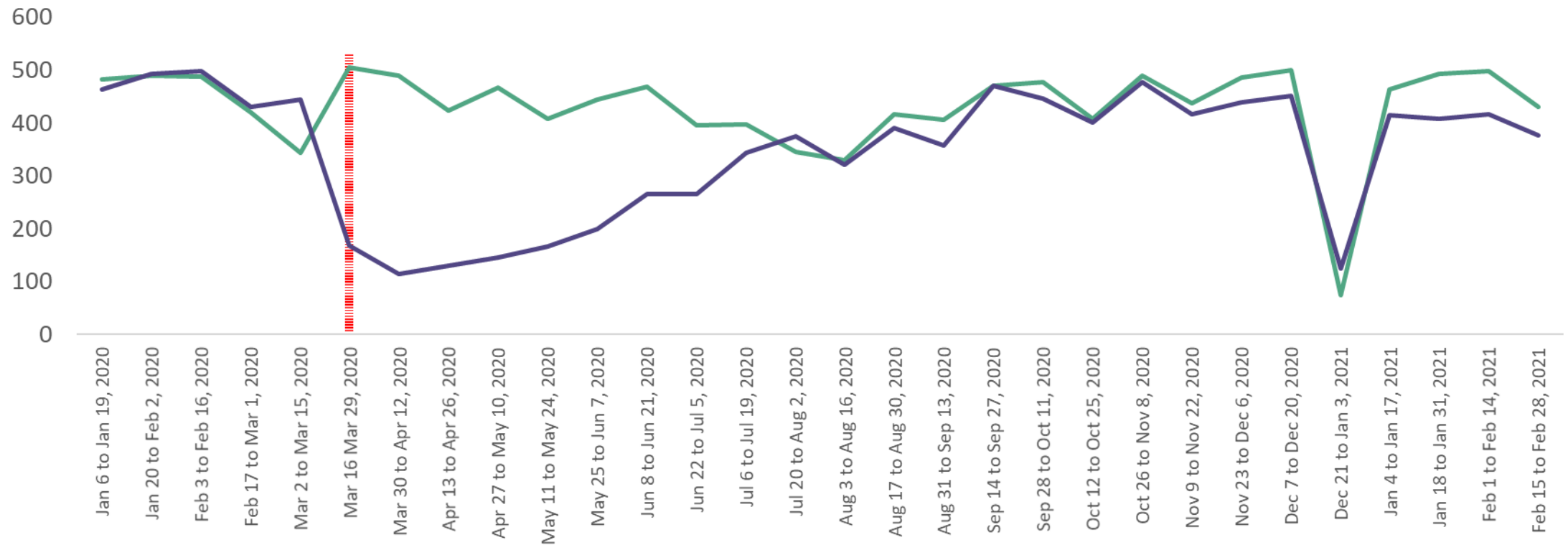


Vascular Activity Update

Data from Access to Care Wait Times Information System

Ontario Overall Vascular Volumes (Biweekly)

- ▬ Start of Pandemic (March 16, 2020)
- ▬ Baseline (Jan 2019 – Mar 2020)
- ▬ Pandemic (Jan 2020 – Mar 2021)

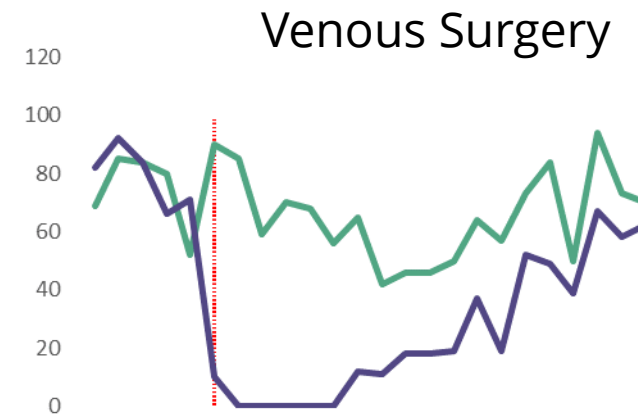
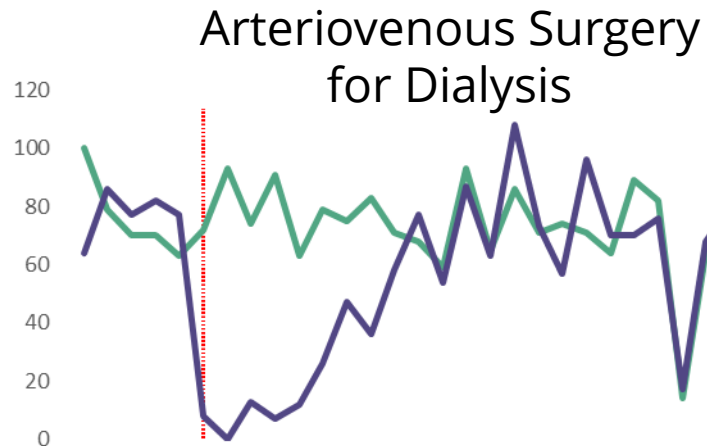
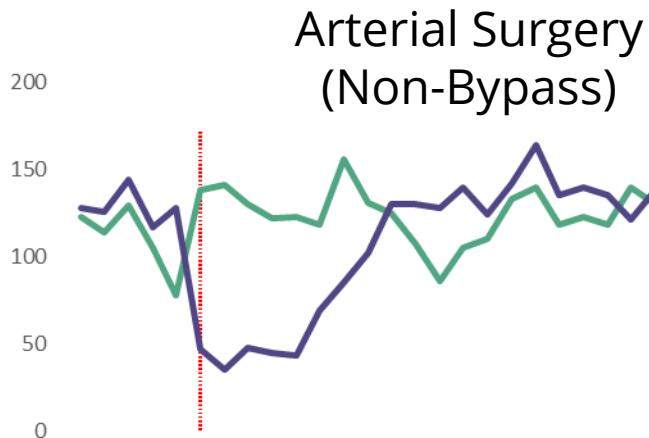
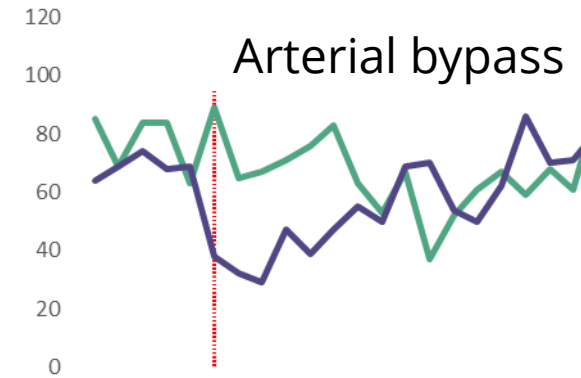
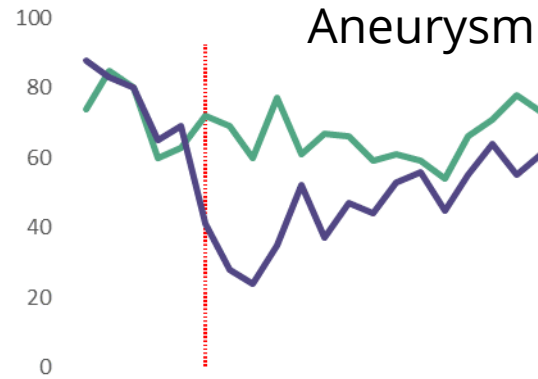
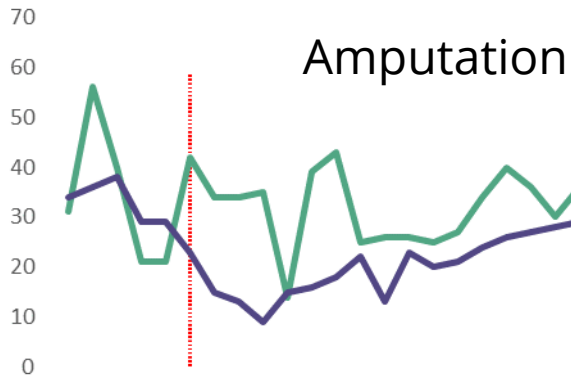


Overall vascular volumes decreased up to 80% during the peak of Wave 1 before gradually returning to near pre-pandemic levels. Wave 2 volumes are around 15% lower than prior year.



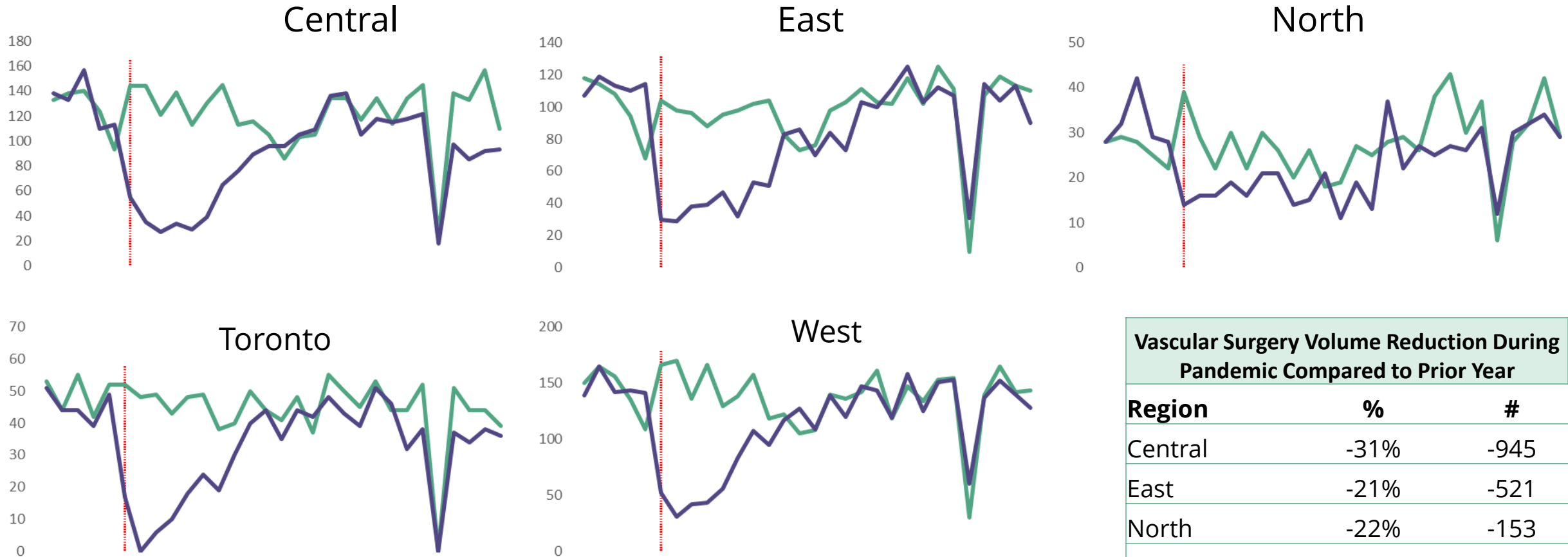
Ontario Procedure Volumes (Biweekly)

- **Start of Pandemic** (March 16, 2020)
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Overall Procedure Volumes by Region (Biweekly)

- Start of Pandemic (March 16, 2020)
- Baseline (Jan 2019 – Mar 2020)
- Pandemic (Jan 2020 – Mar 2021)



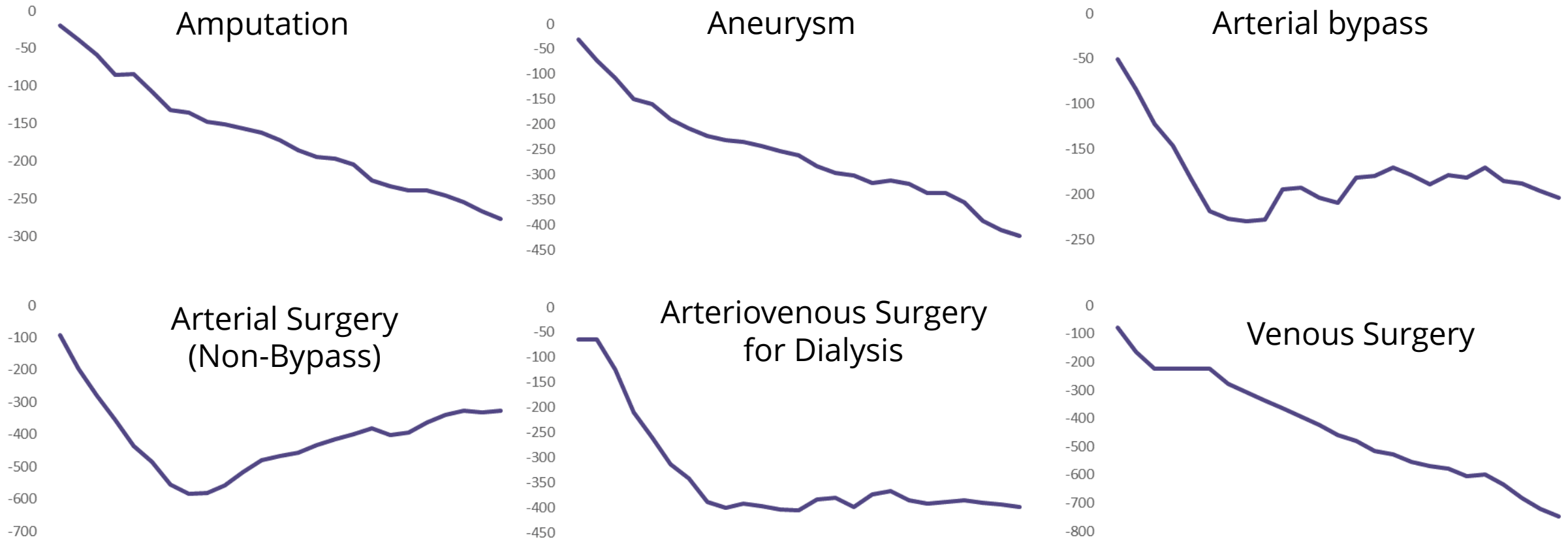
Vascular Surgery Volume Reduction During Pandemic Compared to Prior Year		
Region	%	#
Central	-31%	-945
East	-21%	-521
North	-22%	-153
Toronto	-30%	-337
West	-20%	-685
Ontario	-25%	-2,639

Volume impacts vary by region, which will affect recovery planning



Cumulative Volume Reduction Over Time

Pandemic vs Baseline

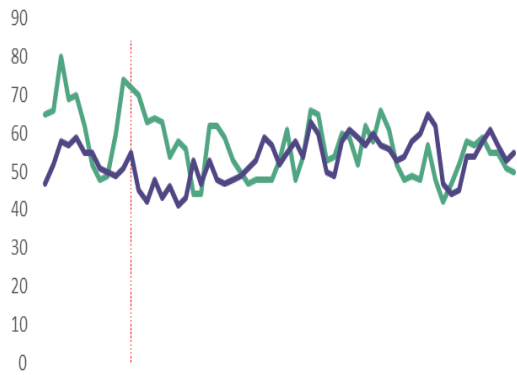


If demand for services remained the same as the previous year's supply, we would expect a procedure "backlog" to accumulate over time, with many of these patients eventually showing up in the system sicker than usual

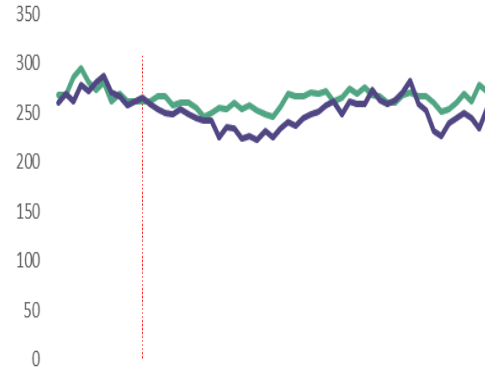
Ontario Wait List and New Referral Volumes

- **Start of Pandemic** (March 16, 2020)
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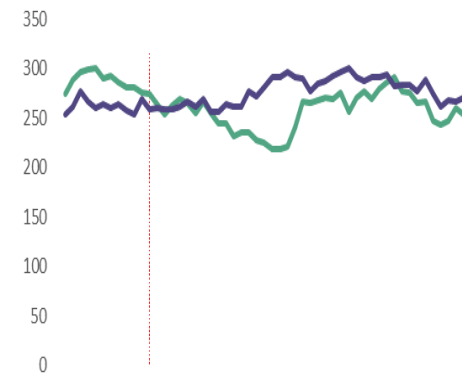
Wait List Volume



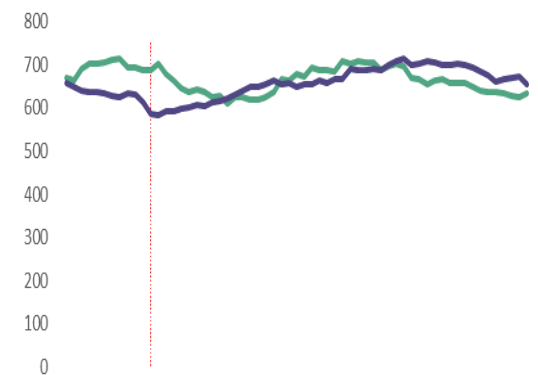
Amputation



Aneurysm

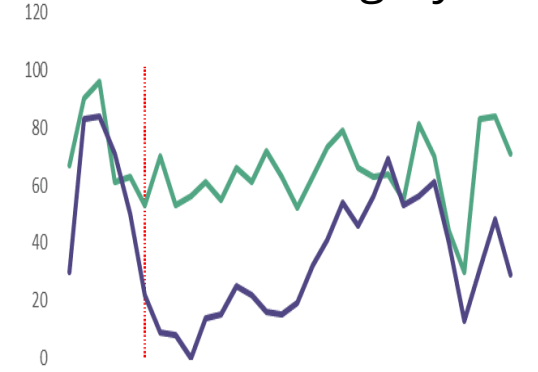
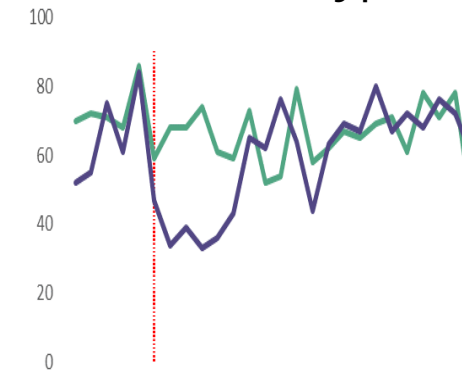
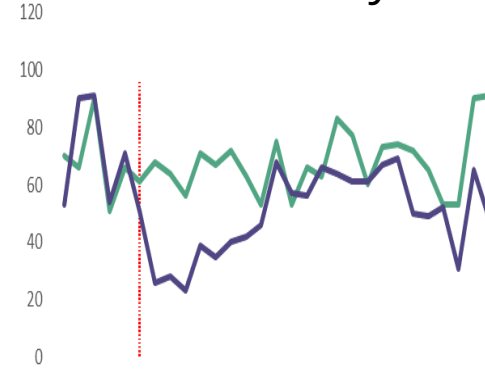
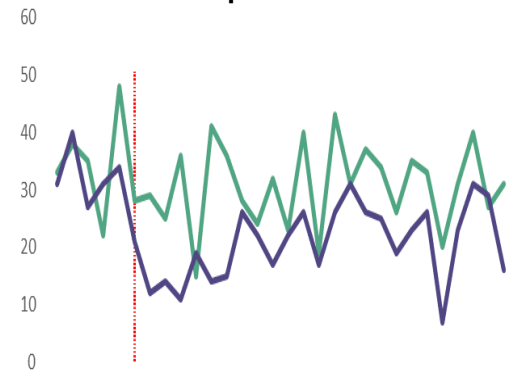


Arterial bypass



Venous Surgery

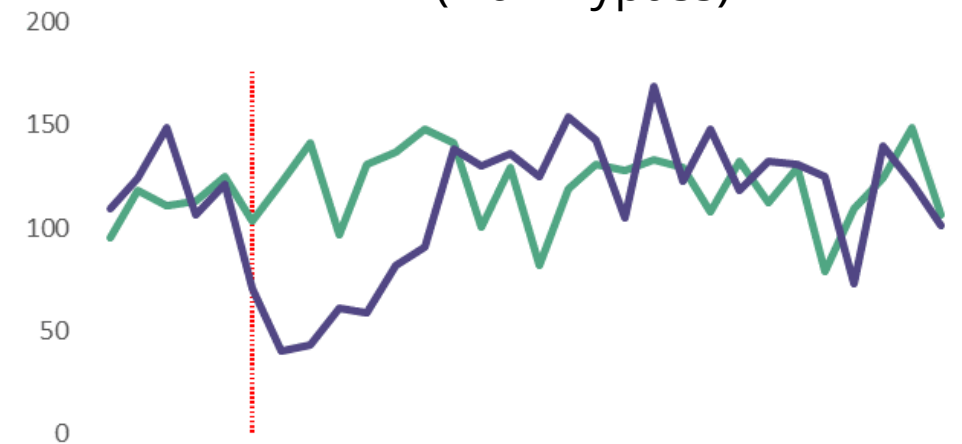
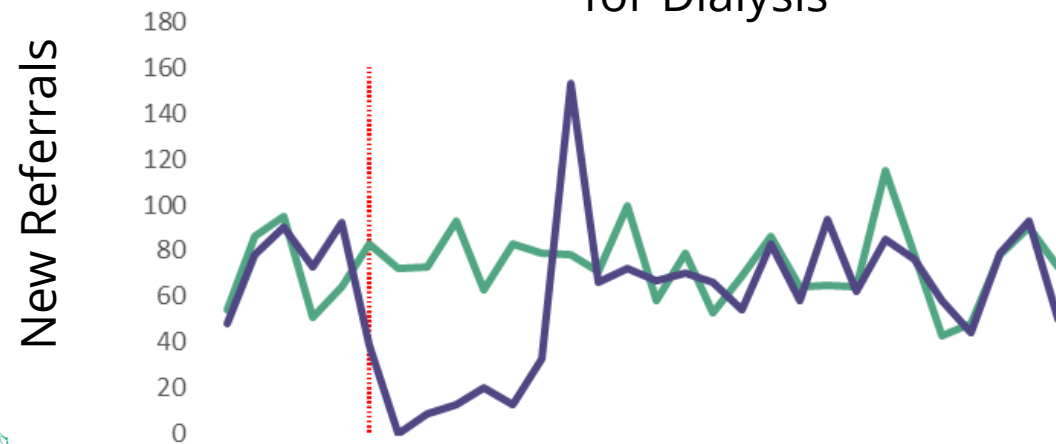
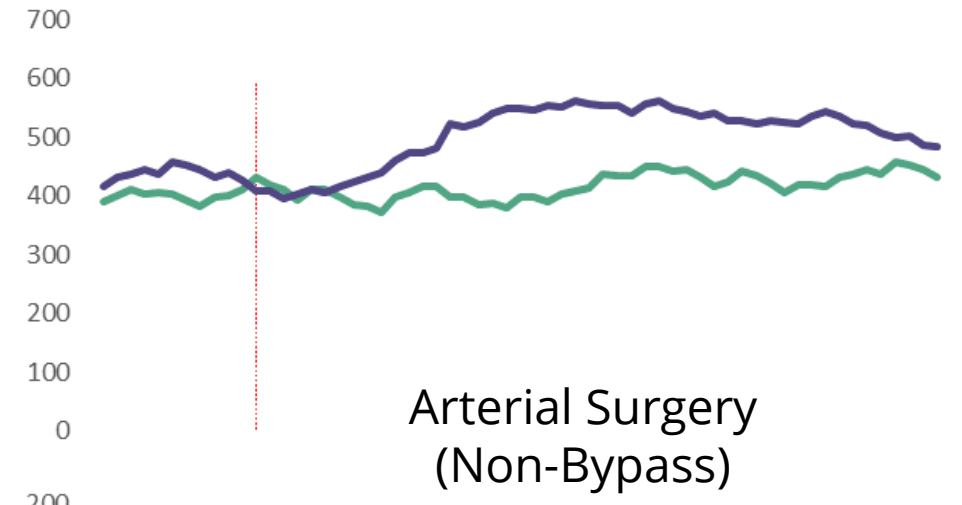
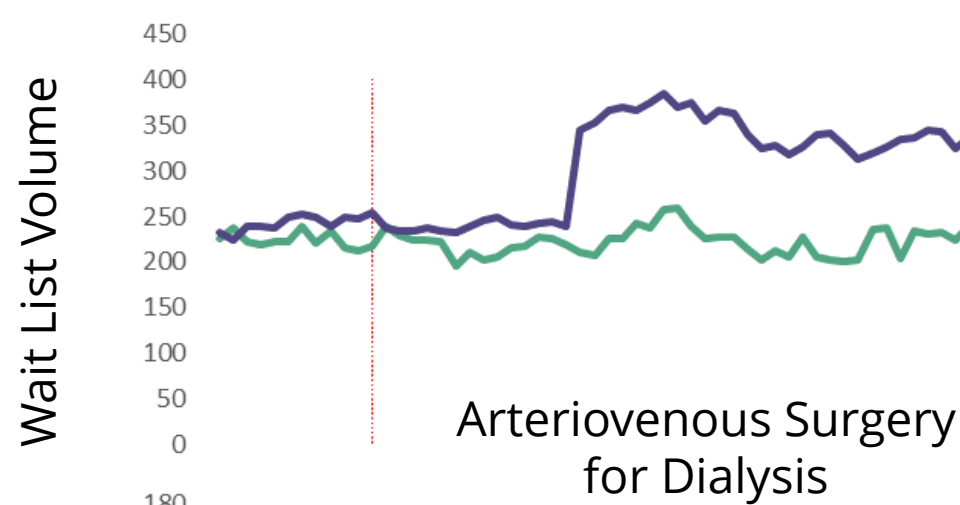
New Referrals



These wait lists have not yet increased due to a reduction in new referral volumes that resembles the reductions in procedure volumes

Ontario Wait List and New Referral Volumes

- **Start of Pandemic** (March 16, 2020)
- **Baseline** (Jan 2019 – Mar 2020)
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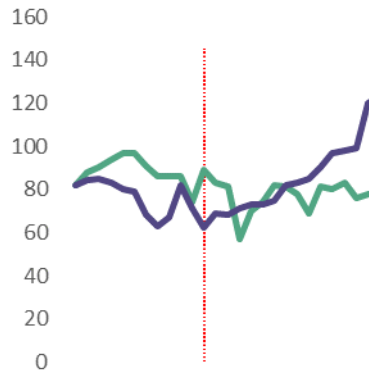


These wait lists grew in the summer following increases in new referral volumes

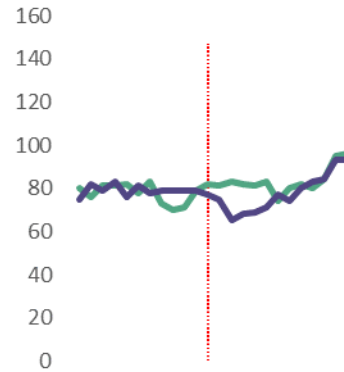
Arterial Surgery (Non-Bypass)

- Start of Pandemic (March 16, 2020)
- Baseline (Jan 2019 – Mar 2020)
- Pandemic (Jan 2020 – Mar 2021)

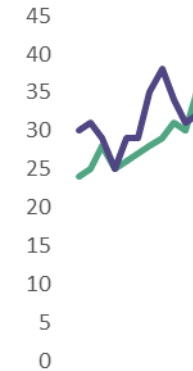
Central



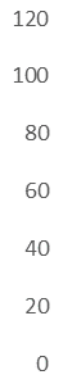
East



North



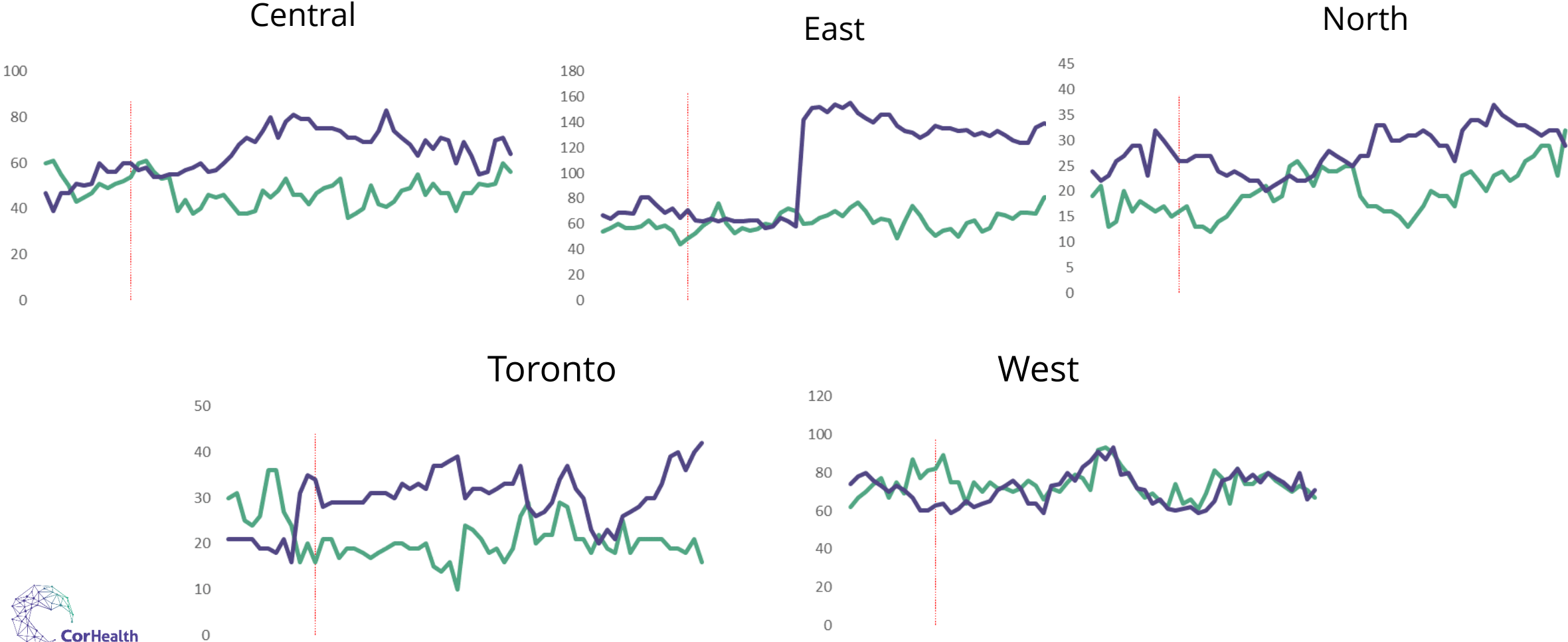
Toronto



West

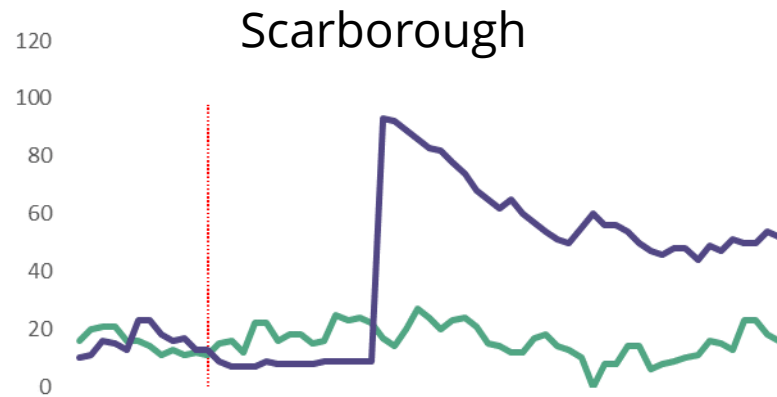
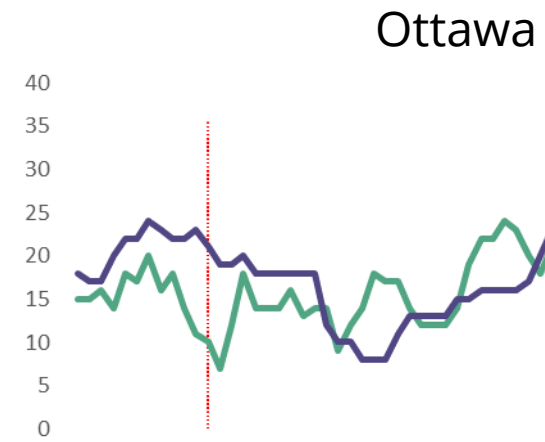
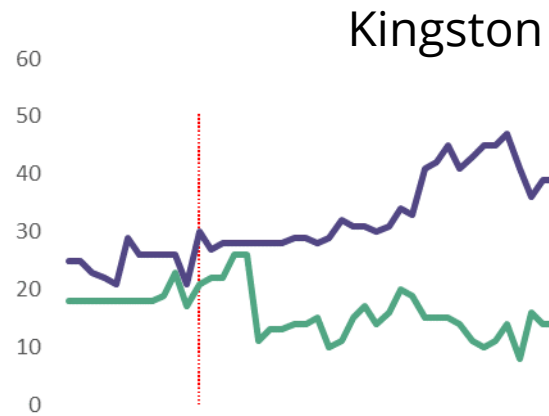


Arteriovenous Surgery for Dialysis Wait List Volumes

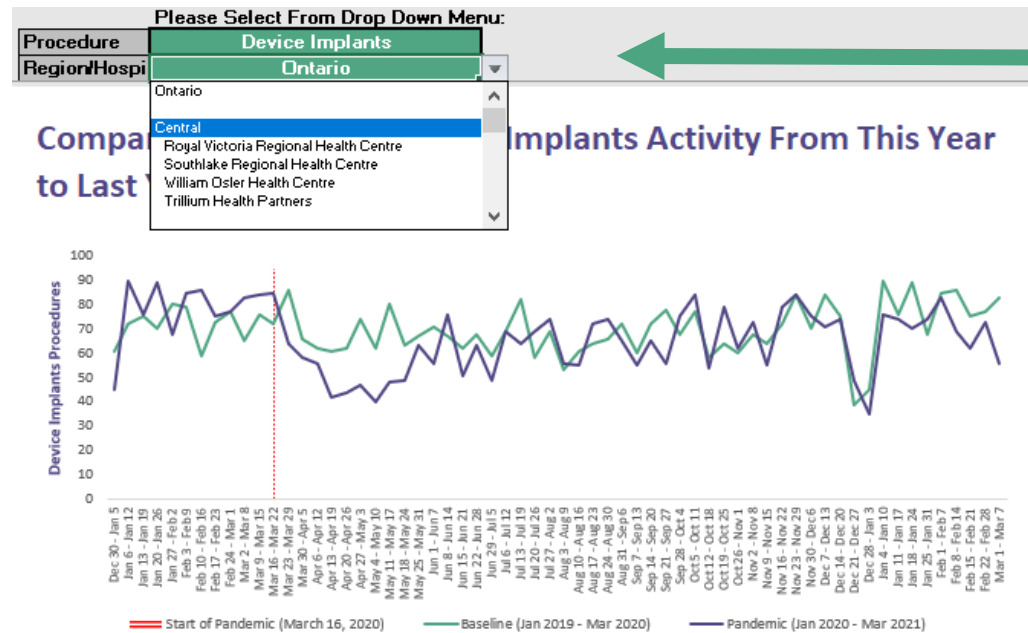


Arteriovenous Surgery for Dialysis Wait List Volumes: East Region Hospitals

- Start of Pandemic (March 16, 2020)
- Baseline (Jan 2019 – Mar 2020)
- Pandemic (Jan 2020 – Mar 2021)



Cardiac and Vascular COVID Reporting Tools



Drop down menus let you drill down to procedure and hospital/region level data

Data tables

Multiple tabs for

- Procedure Volumes
- Wait List Volumes
- Wait Times
- Total Volume Change
- Cumulative Volume Change
- Mortality on the Wait List
- ED Presentations (eCTAS)

Data are from the CorHealth Data Registry; includes single chamber and dual chamber ICDs and CRT-ICD

Total Ontario Device Implants Procedures

Week #	Pandemic Week Dates	Baseline (Jan 2019 - Mar 2020)	Pandemic (Jan 2020 - Mar 2021)	Change (#)	Change (%)
1	Dec 30 - Jan 5	61	45	-16	-26%
2	Jan 6 - Jan 12	72	90	18	25%
3	Jan 13 - Jan 19	75	76	1	1%

◀ ▶ **README** Procedure Volumes Wait List Volumes Wait Times



Open Forum Discussion

DR. MADHU NATARAJAN & DR. SUDHIR NAGPAL

Open Forum Discussion

- As we move into 2021/22 what key concerns do you have and what strategies, if any, are you planning related to system recovery to Restore, Sustain & Transform:
 - For example:
 - Strategies deployed to address Health Human Resource challenges
 - Return of 'disappearing patients'
 - Potential wave 3 impact



Other Updates and Next Steps

MIKE SETTERFIELD

Other Updates and Next Steps

- **Next COVID-19 Cardiac & Vascular Forum Meetings:** *dates to be determined*
- *If group members would like to share or suggest any future agenda items, please email jana.Jeffrey@corhealthontario.ca or mike.setterfield@corhealthontario.ca for future forum meetings.*



Appendix

Cardiac Workstreams

Cardiac Workstream	Moderator(s)
Echocardiography	Dr. Tony Sanfilippo Dr. Howard Leong-Poi
Rehab	Dr. Paul Oh Dr. Mark Bayley
Cardiac Surgery Cath/PCI	Dr. Chris Feindel Dr. Eric Cohen
Heart Failure	Dr. Heather Ross
STEMI	Dr. Steve Miner
Cardiac Electrophysiology	Dr. Atul Verma
Structural Heart (TAVI, Mitral Clip)	Dr. Sam Radhakrishnan
Managing Referrals	Dr. Chris Feindel Dr. Eric Cohen