

# CorHealth Cardiovascular Rehabilitation Stakeholder Forum #2

SEPTEMBER 20, 2022 | 2:30 – 3:30 PM



**Ontario Health**  
CorHealth Ontario

# Agenda

Time	Description	Purpose	Presenter
2:30 pm	<b>Welcome</b> <ul style="list-style-type: none"><li>• Land Acknowledgement</li><li>• Meeting Objectives</li></ul>	Information	Dr. Karen Harkness
2:35 pm	<b>Provincial CR Measurement &amp; Reporting Initiative</b> <ul style="list-style-type: none"><li>• Updated CR Measurement Results</li></ul>	Information and Discussion	Dr. Karen Harkness Dr. Paul Oh
3:00 pm	<b>Guest Presentation</b> Heart Failure Cardiovascular Rehabilitation Program at UOHI	Information	Jennifer Harris
3:20 pm	<b>Open Forum Discussion</b> Pulse check: What is the current experience of delivery CR in Ontario?	Discussion	Dr. Paul Oh
3:25 pm	<b>Next Steps</b>	Information	Dr. Karen Harkness

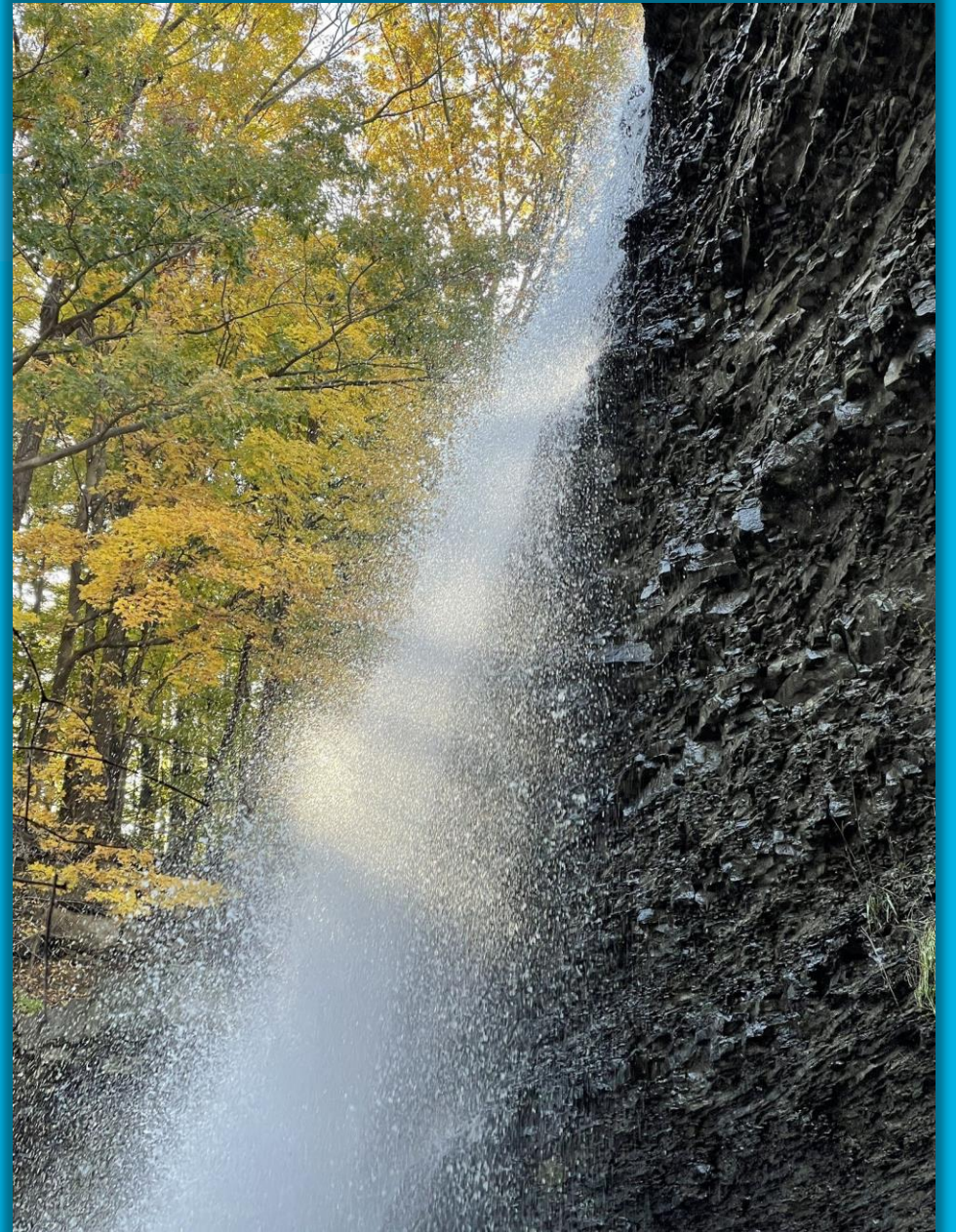


We are recording this Forum and will make the recording available on the CorHealth website




**Ontario Health**  
CorHealth Ontario

# Land Acknowledgement



# Meeting Objectives

- To review updated CR data collection results to date
- To continue the dialogue and activity supporting a progressive approach to measure, monitor, and report on the status of outpatient Cardiovascular Rehabilitation in Ontario
- To share experiences and facilitate dialogue on the current activities and models of delivery for cardiovascular rehabilitation (including virtual, in-person and hybrid)



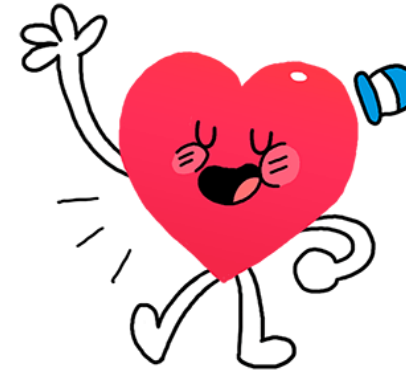
# Provincial Cardiovascular Rehabilitation Measurement and Reporting Initiative: Updated Results

Dr. Karen Harkness & Dr. Paul Oh

# List of CR programs not providing clinical services



We (Joy) continue to try and keep an up-to date list of CR currently programs providing cardiovascular rehabilitation.



Welcome Providence Care Hospital in Kingston!!

## Programs put 'on hold' during COVID

1. YMCA of Hamilton-Burlington-Brantford (rely on referrals from Hamilton)
2. Cornwall Hospital Cardiopulmonary Rehab Program (hold- staff deployed)
3. Stevenson Memorial CV Prevention Program
4. Cardiac Health and Rehab (Hamilton Health Sciences)- rebuilding
5. Heart Care Canada – Oshawa Solo Program

If you know of any programs on this list (or any new programs) that are now offering CR services, please type any notes in the chat box for Joy. Thank you.



# Recall: Project Goals and Objectives

1. An initial goal of this work will be to gain a better understanding of the impact of COVID-19 on the delivery of Cardiovascular Rehabilitation (CR) services for Ontario patients with cardiac conditions (Phase 1)

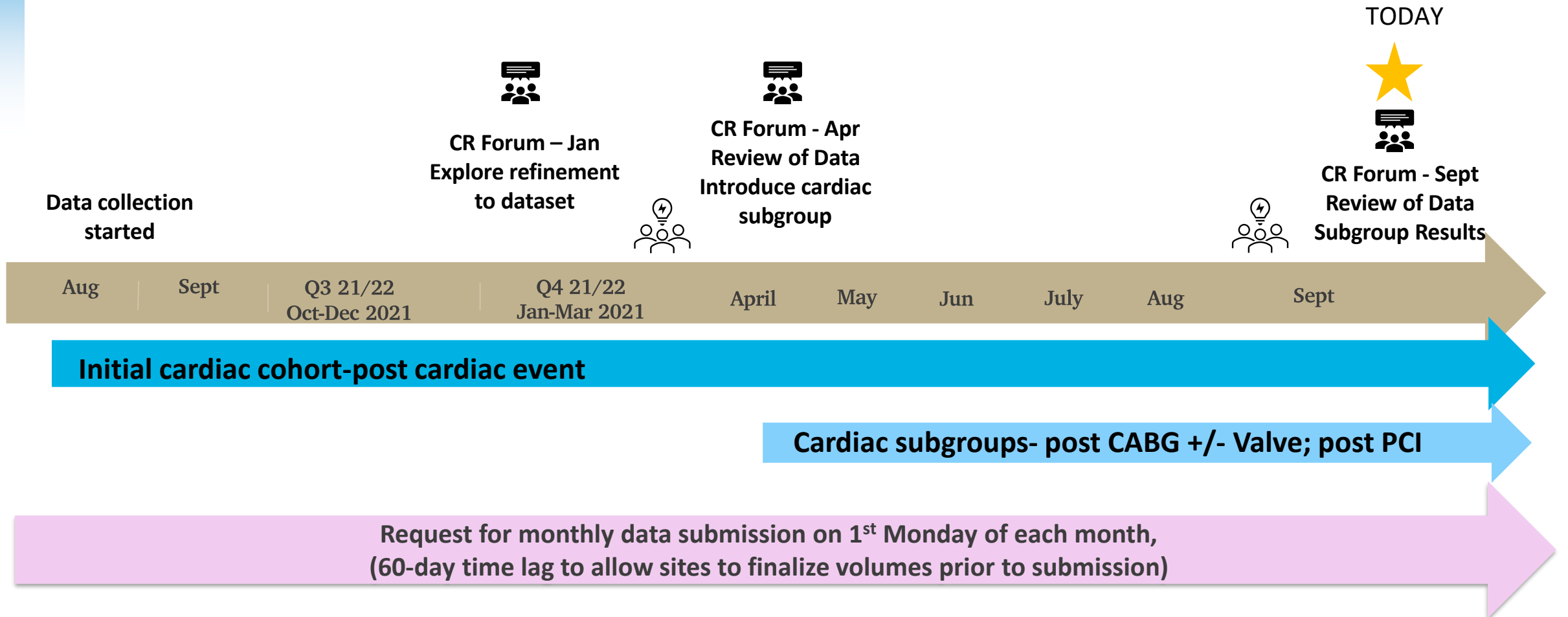
## Phase 1 Objectives:

- Consistently collect a small amount of aggregate data from a clearly defined group of CR providers across Ontario & regularly report data back to stakeholders
- Test the readiness of the CR System to provide consistent, reliable data / better understand the availability and accessibility of data at CR provider sites

2. A potential long-term goal of this work will be to have consistent/ reliable CR data collection in Ontario to support broader system planning, monitoring and performance measurement for cardiac and vascular patients (Phase 2)

- Ability to pursue / achieve this goal will be dependent on success of the initial objectives stated above

# Update: Project Timeline



CR Task Group Meeting



CR Forum



# Purpose of Proposed Refinement of the CR Dataset

Continue to mature and refine the current data set to:

- Identify of regional variation and begin to explore drivers of variation in referral and uptake of CR, including barriers, enablers and opportunities to increase CR participation in Ontario
- Enable meaningful data-driven local and regional conversations about access and uptake of CR
- Support broader system planning, monitoring and performance measurement for cardiovascular rehabilitation



# Refinement within data collection

**Refinement:** Explore cardiac subgroup(s) within initial cohort where a clear denominator can be captured from the Cardiac registry and programs can easily identify this subgroup for values that will represent the numerator

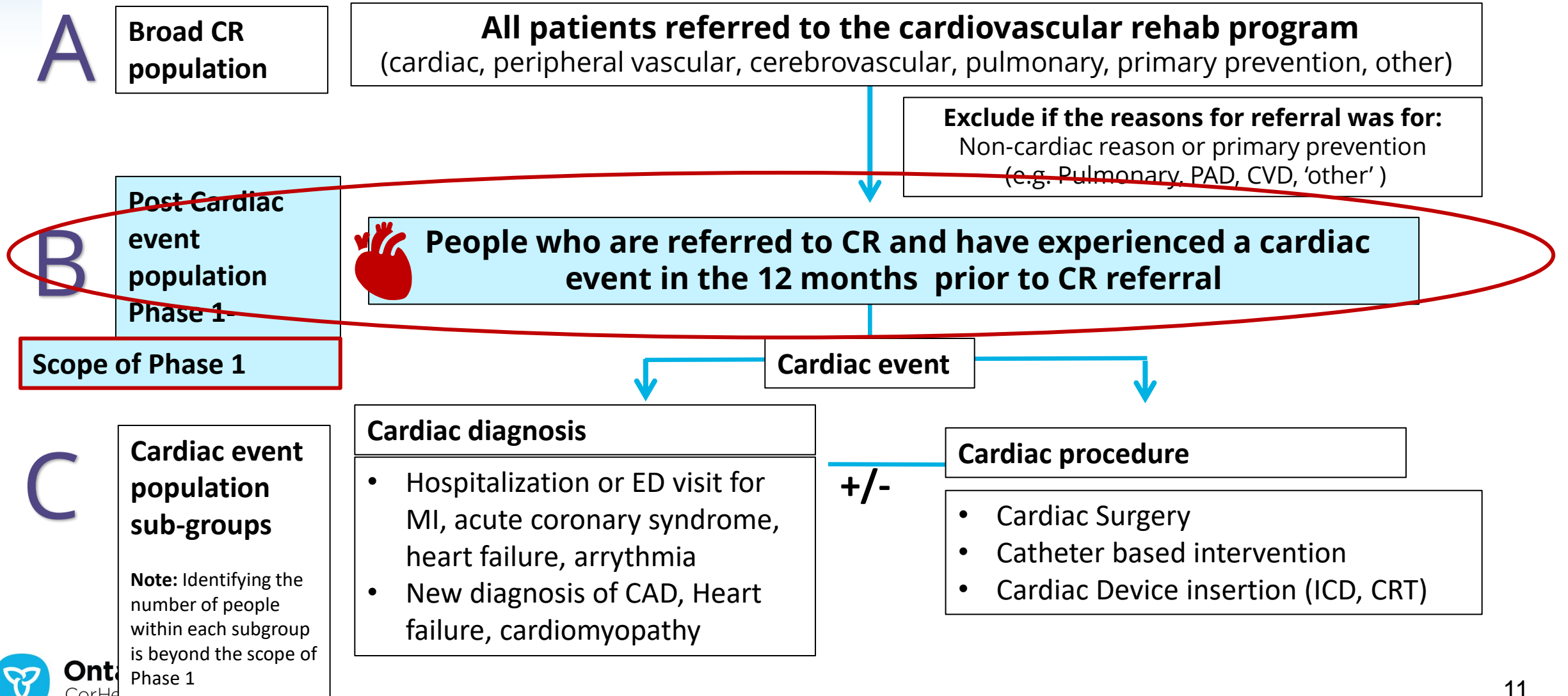
**Rationale:** Provides additional meaning to interpret findings by understanding local supply *and demand*

**Outcome of discussion:** Within the initial cohort of patients referred following a cardiac event, identify the following 2 cardiac subgroups:

- Post CABG +/- Valve surgery: easily identified
- Post PCI: represents a large proportion of patients referred to a CR program

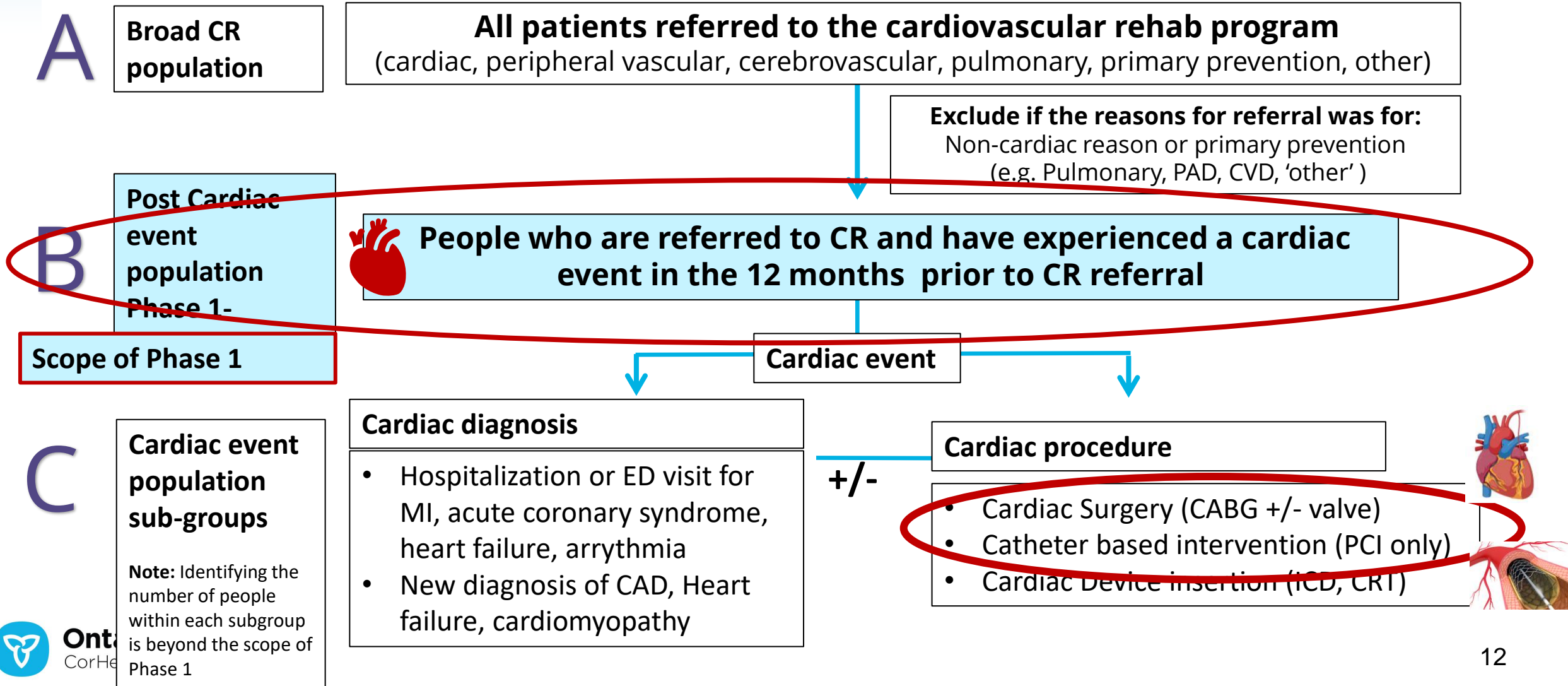
# Phase 1. "Initial Cohort"

## People referred to CR following a cardiac event



**“Initial Cohort”**: People referred to CR following a cardiac event

**Subgroups within initial cohort**: People referred to CR following CABG +/- valve surgery or following PCI procedure



# Data collection response rate

Initial cohort- continue with >80% response rate from programs providing CR

Subgroups: 23/34 programs providing initial cohort able to provide subgroup complete data (67%)

Programs with referrals for initial cohort:

<100 referrals/month: RR 19/22 (86%)

>100 referrals/month: RR 4/12 ( 33%)

## Feedback:

- Challenging- requires manual chart review
- Uncovered data quality issues
- Some programs exploring efficient ways to collect this level of information (e.g. IT support- EMR, database)

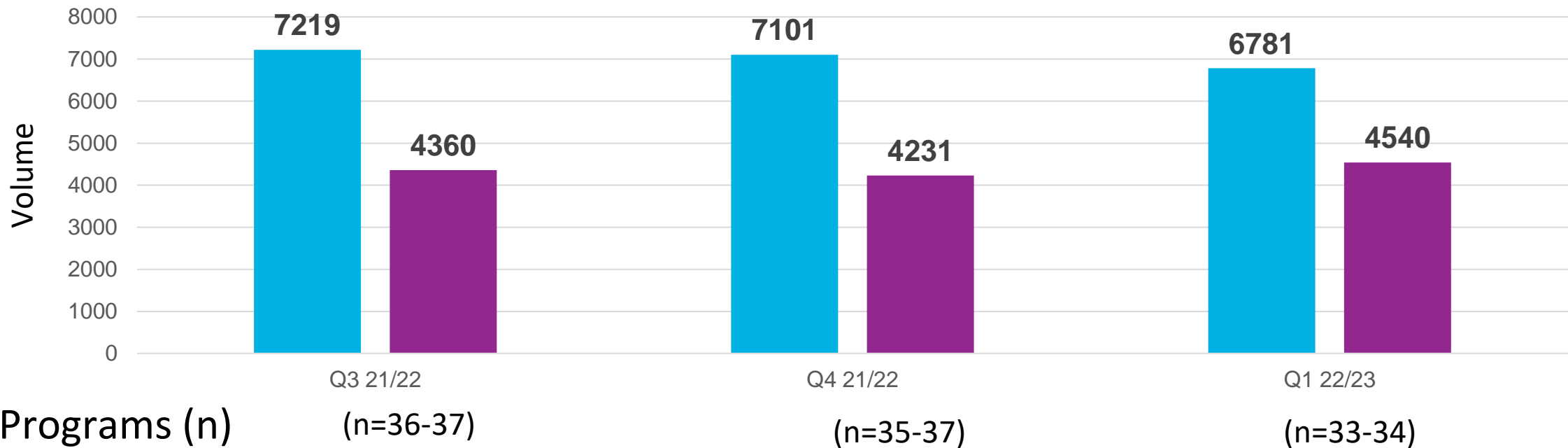
**Proposed approach- continue with another 3 months to allow programs to work towards an efficient way of collecting subgroup data**



# Quarterly Provincial Volumes

Quarterly Provincial Volumes for CR Programs submitting  
*at least 1 month* of aggregate data  
for the Initial Cohort

■ Referrals ■ # First clinical meaningful encounters



Total referrals: n= 21,101

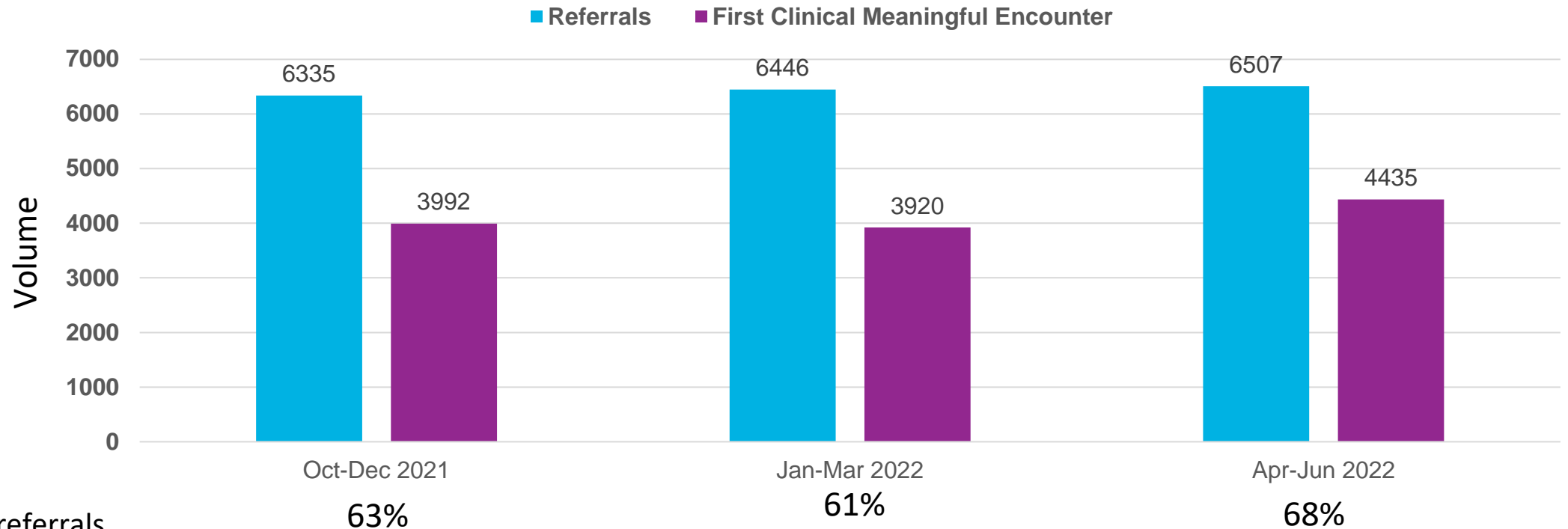
Total first clinical meaningful encounter: n= 13,131

Ratio: total first encounter/total referrals = 62%

Note: Regional Volumes available in the Appendix

# Quarterly Provincial Volumes

Number of Referrals and Clinically Meaningful Encounters  
CR Programs Submitting Aggregate Data for Initial Cohort  
for the *entire period* between October 2021-June 2022  
n=32 programs



Ratio: Total first encounter/total referrals

n=32 programs

Total referrals: n= 19,288

Total first clinical meaningful encounter: n= 12,347

Ratio: total first encounter/total referrals = 64%

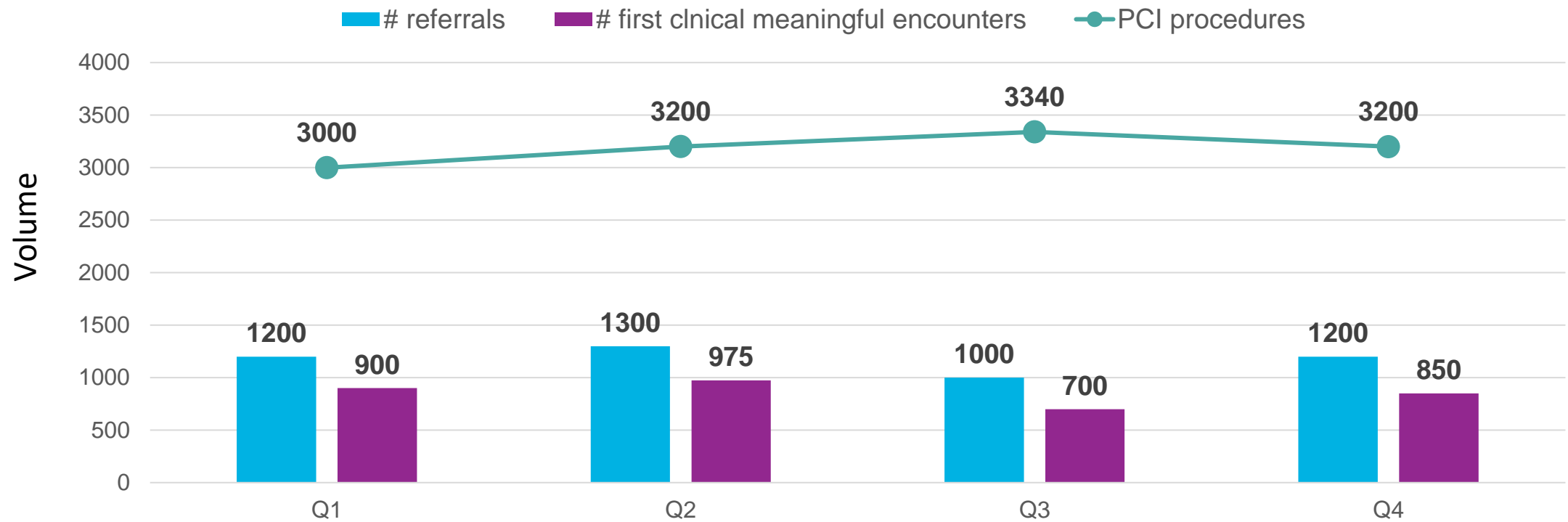


# Aspirational Examples



# Aspirational Comparative for Demand and Uptake of CR Provincial View

Total number of referrals and first clinically meaningful encounters for people following PCI

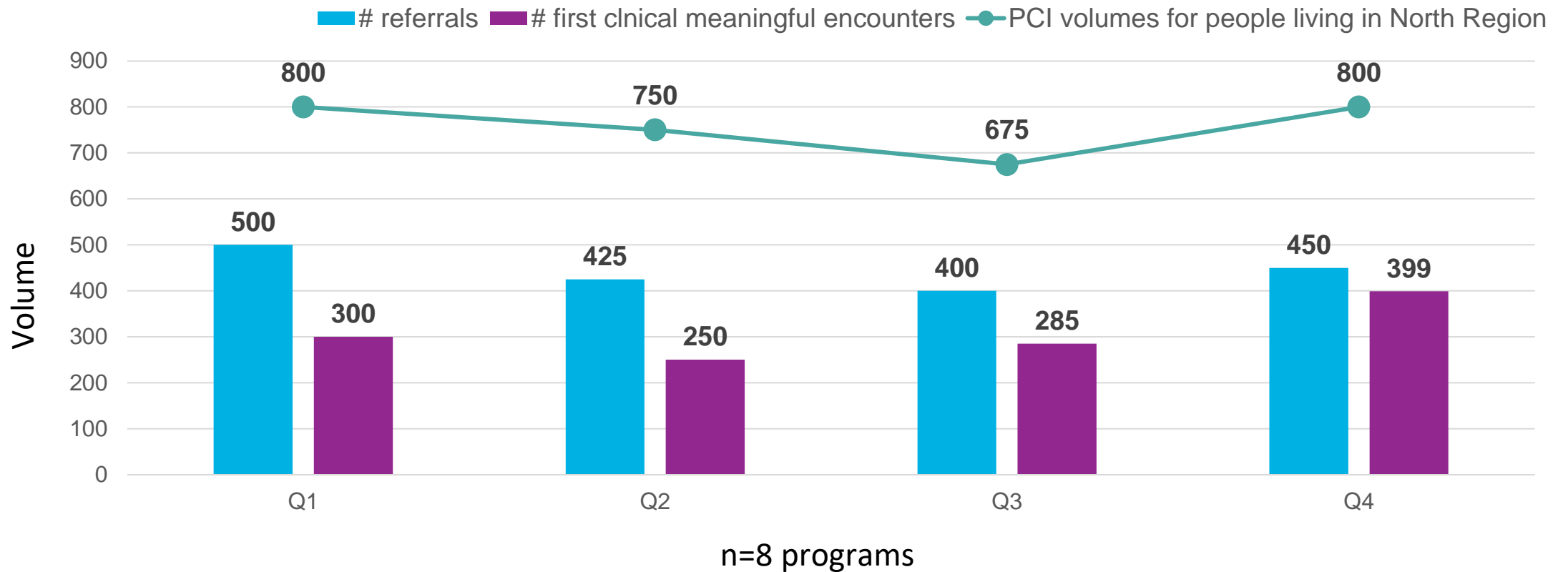


n=38 programs

# Aspirational Comparative for Demand and Uptake of CR

## Regional View

Total number of referrals and first clinically meaningful encounters following PCI for people living in the North Region

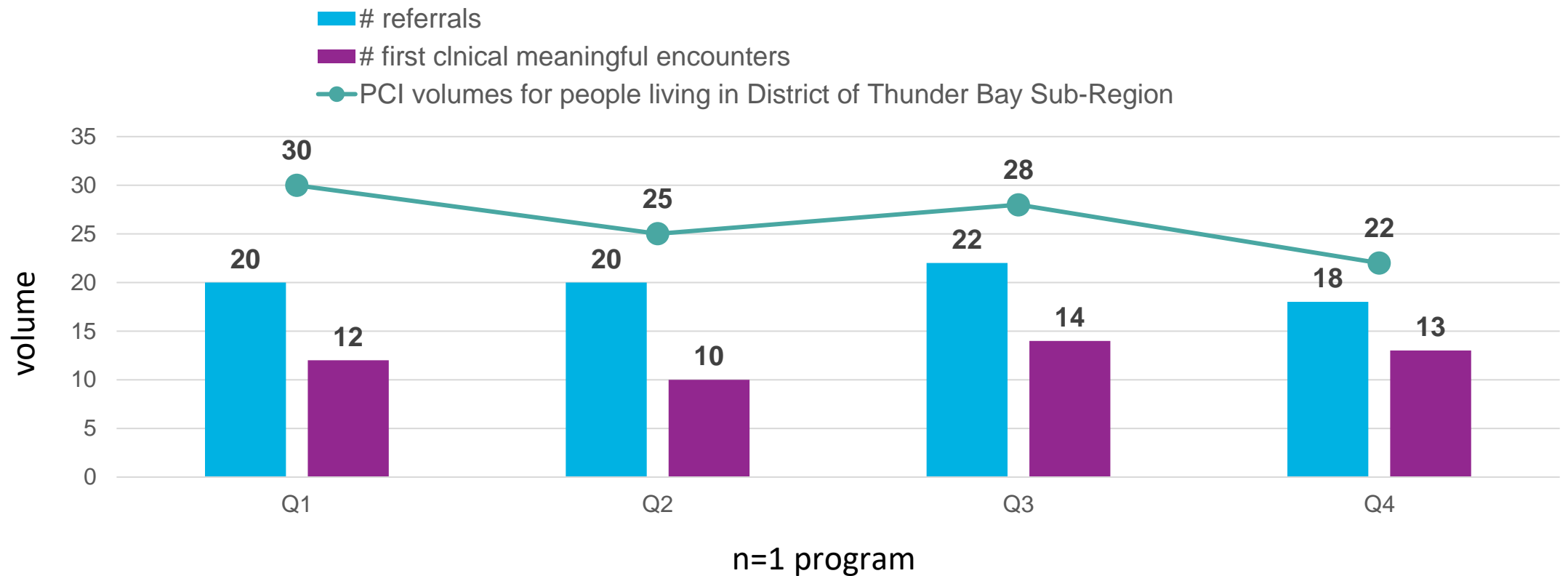


Data is fictional- used only for demonstration

# Aspirational Comparative for Demand and Uptake of CR

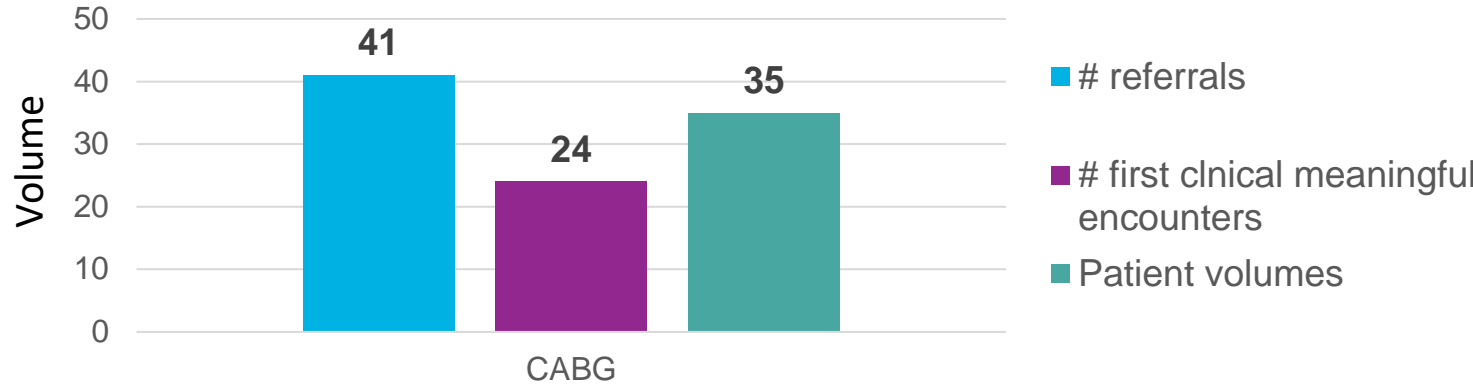
## Sub-Regional View

Total number of referrals and first clinically meaningful encounters for people following PCI

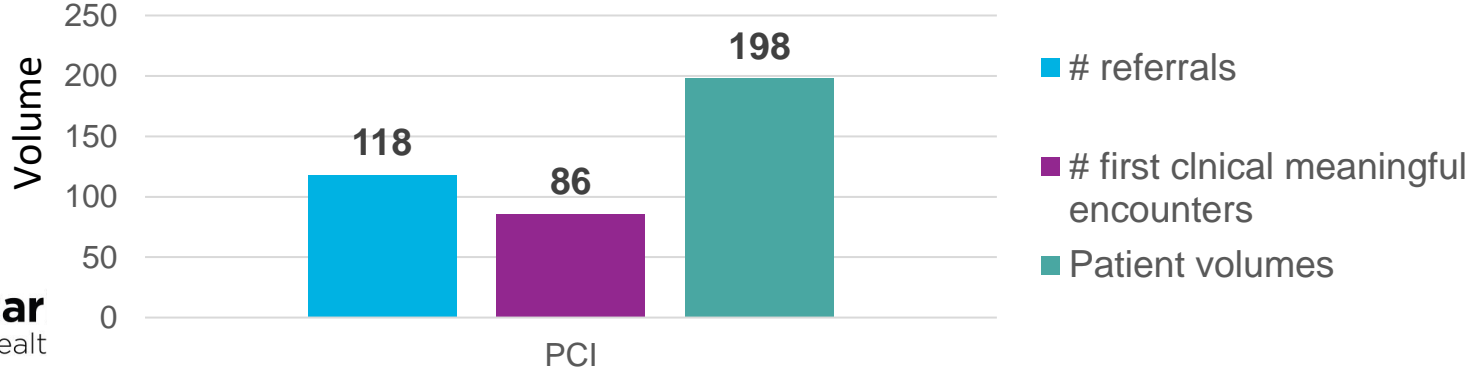


# Comparative for demand and uptake of CR for patients post CABG or post PCI in the Northwest LHIN (historical)

Total number of referrals and first clinically meaningful encounters for people following CABG in NW LHIN  
FY 22/23 Q1 ( April-June 2022)






Total number of referrals and first clinically meaningful encounters for people following PCI in NW LHIN  
FY 22/23 Q1 ( April-June 2022)




Thunder Bay Regional Health Sciences Centre and Partner Programs
TBRHSC (Thunder Bay)
Redlake Margaret Cochenour Memorial Hospital CV Rehab
Mary Bergund Health Centre CV Rehab
Atikokan General Hospital CV Rehab
La Varendrye General Hospital CV Rehab
Nipigon District Memorial Hospital CV Rehab
Geraldton District Hospital CV Rehab
McCausland Hospital CV Rehab
Wilson Memorial General Hospital CV Rehab
Manitouwadge General Hospital CV Rehab
Other Programs submitting data
Dryden Regional Health Centre CV Rehab
Lake of the Woods District Hosp. CV Rehab, Kenora

# Next Steps

- Continue **regular monthly data collection** for 2 key metrics for:
  - Initial cohort
  - CABG and PCI subgroups

Month					
 Initial Cohort		 CABG +/- Valve subgroup		PCI subgroup 	
Referrals	First meaningful encounter	Referrals	First meaningful encounter	Referrals	First meaningful encounter

The contact person from each program submitting data will receive an email from Joy Tabieros with their program-specific data collection form on the first Monday of each month



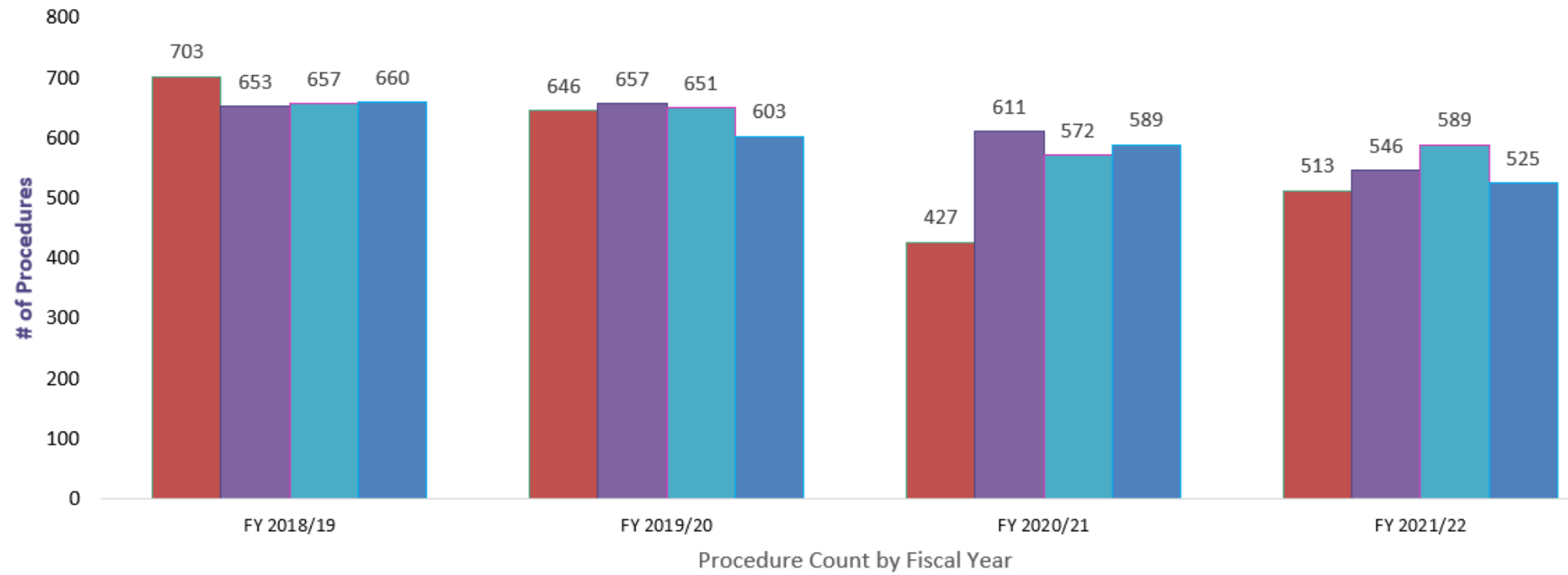
# Quantifying the demand for CR- CABG and PCI subgroups

# Leveraging the CorHealth Registry

Please Select From Drop Down Menu:

Procedure	CABG
Region/LHIN/Sub-Region	West Region

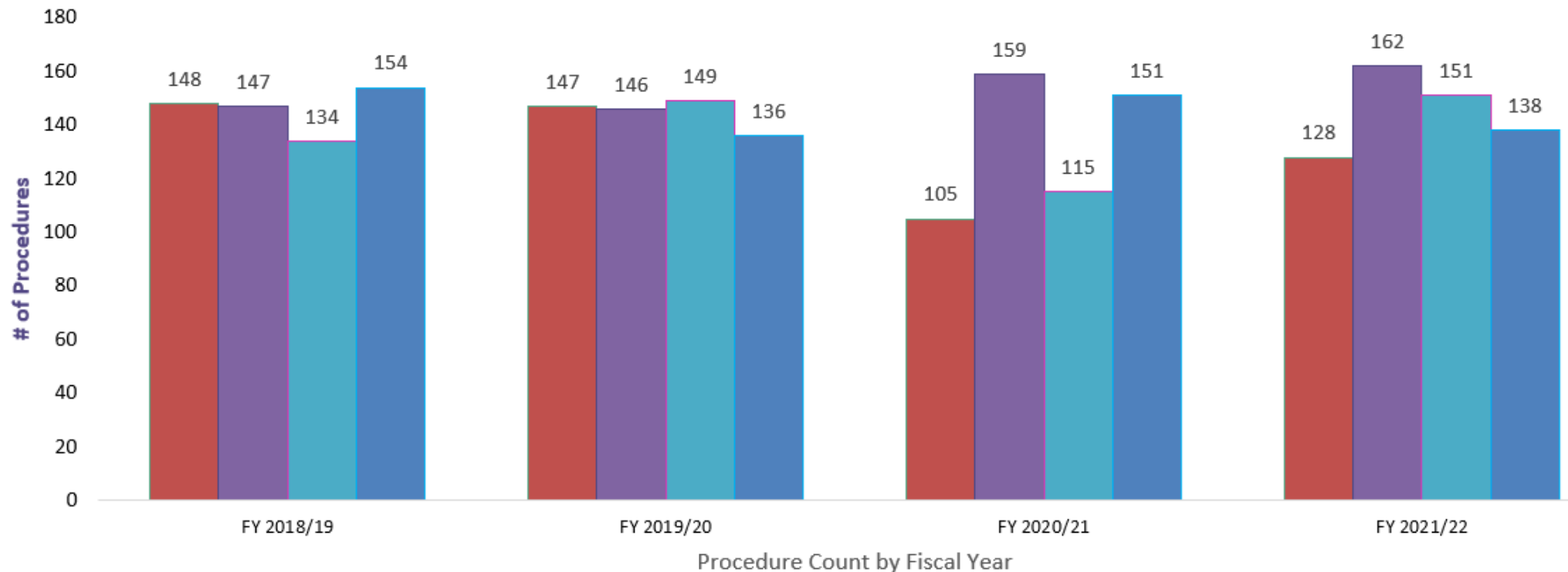
## Quarterly CABG Activity for people living in the West Region



# Leveraging the CorHealth Registry

Please Select From Drop Down Menu:	
Procedure	CABG
Region/LHIN/Sub-Region	South West LHIN

## Quarterly CABG Activity for people living in the South West Historical LHIN



Data Source: CorHealth Registry.

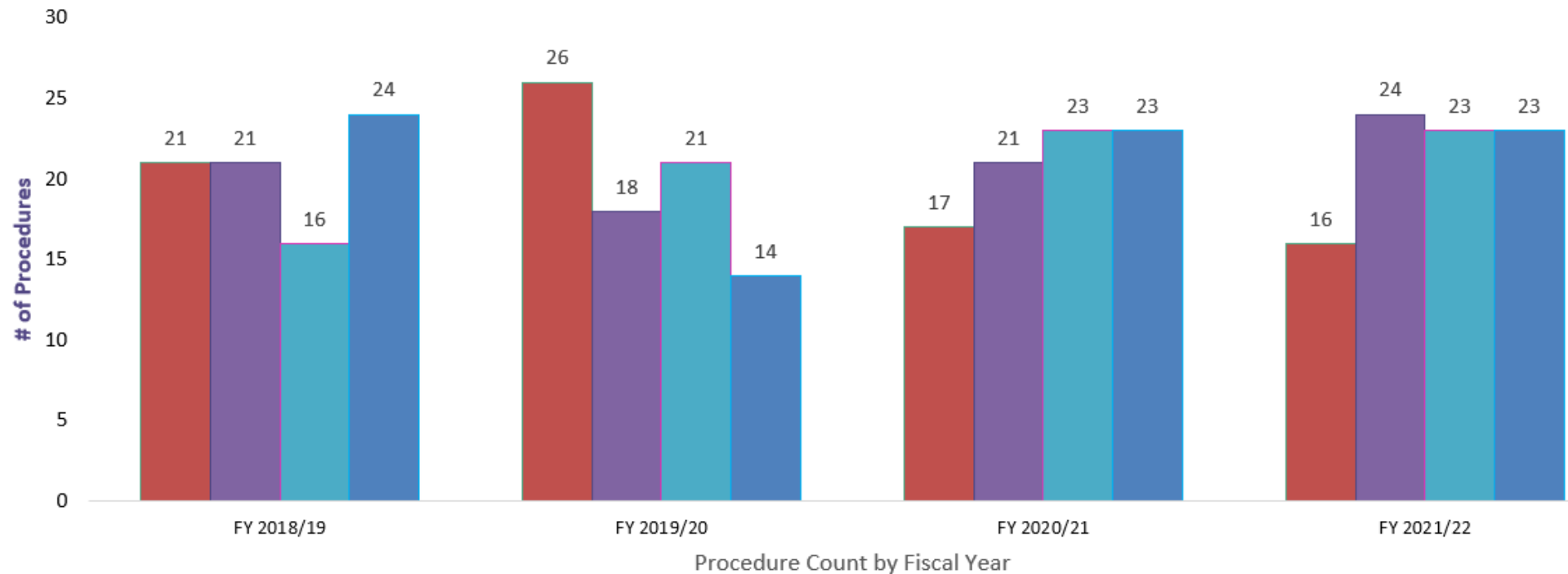


# Leveraging the CorHealth Registry

Please Select From Drop Down Menu:

Procedure	CABG
Region/LHIN/Sub-Region	Huron Perth

## Quarterly PCI Activity for people living in the LHIN Huron Perth Sub-Region



Data Source: CorHealth Registry.



# HEART FAILURE CARDIOVASCULAR REHABILITATION PROGRAM AT UOHI

Jennifer Harris, BscPT  
Manager of Outpatient Cardiovascular Rehabilitation and Regional Outreach Programs  
Division of Cardiac Prevention and Rehabilitation  
University of Ottawa Heart Institute

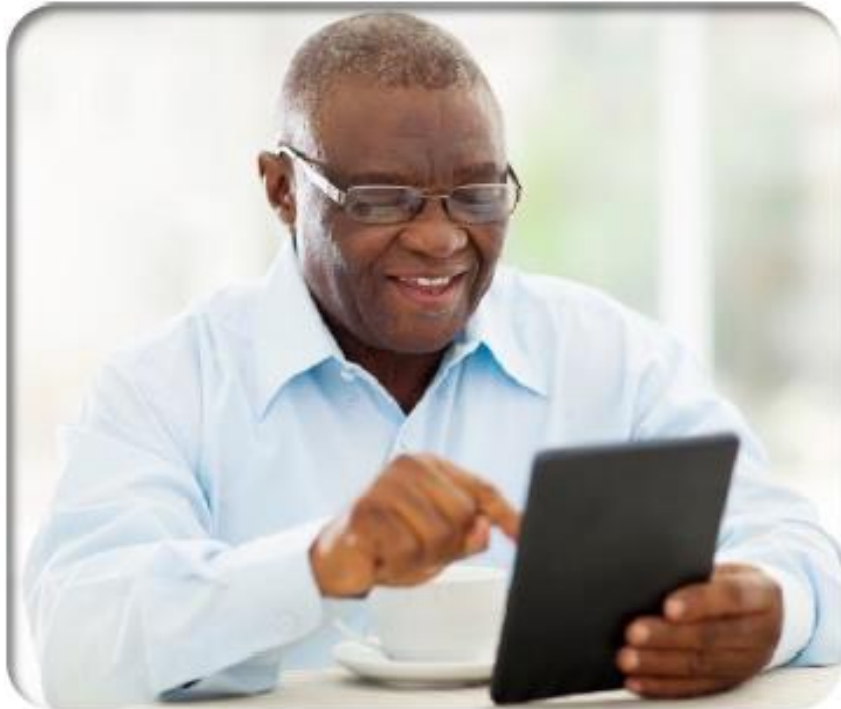
# HEART FAILURE CARDIOVASCULAR REHABILITATION PROGRAM AT UOHI

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**JENNIFER HARRIS, BSCPT**

Regional and Quality Manager,  
CVD Prevention and Rehabilitation Programs,  
University of Ottawa Heart Institute





## HF PROGRAM **PATHWAY**

- Intake Assessment: includes relevant referrals to Psychology, Vocational ...
- 8 weeks Virtual HF Education (EPIC/Teleconference)
- 8 Virtual or on-site exercise classes
- Access to Case Manager for questions
- End of Program Evaluation with Case Manager

# 8 VIRTUAL EDUCATION SESSIONS



**Heart Failure:  
The Basics**



**Eating Well  
with Heart  
Failure**



**Meal Planning  
and Energy  
Intake**



**Physical  
Activity and  
Energy  
Conservation**



**Managing  
your  
Medications**



**Mind The  
Heart**



**Advanced  
Care Planning**



**Transitions**

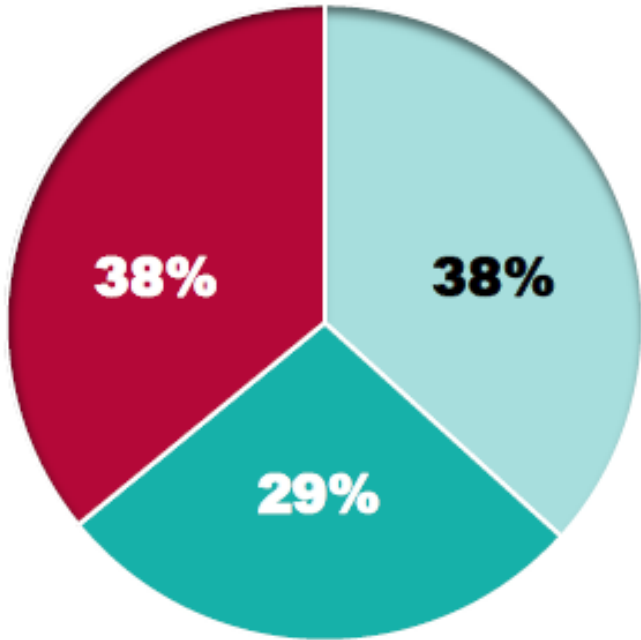


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## EVALUATION

- Unique HF Patient Feedback Survey
- Attendance / registration
- Focus groups
- Patient Risk Factor Profile results(Pre/Post)
- Provider feedback

COMPLETED BY PROGRAM (%)



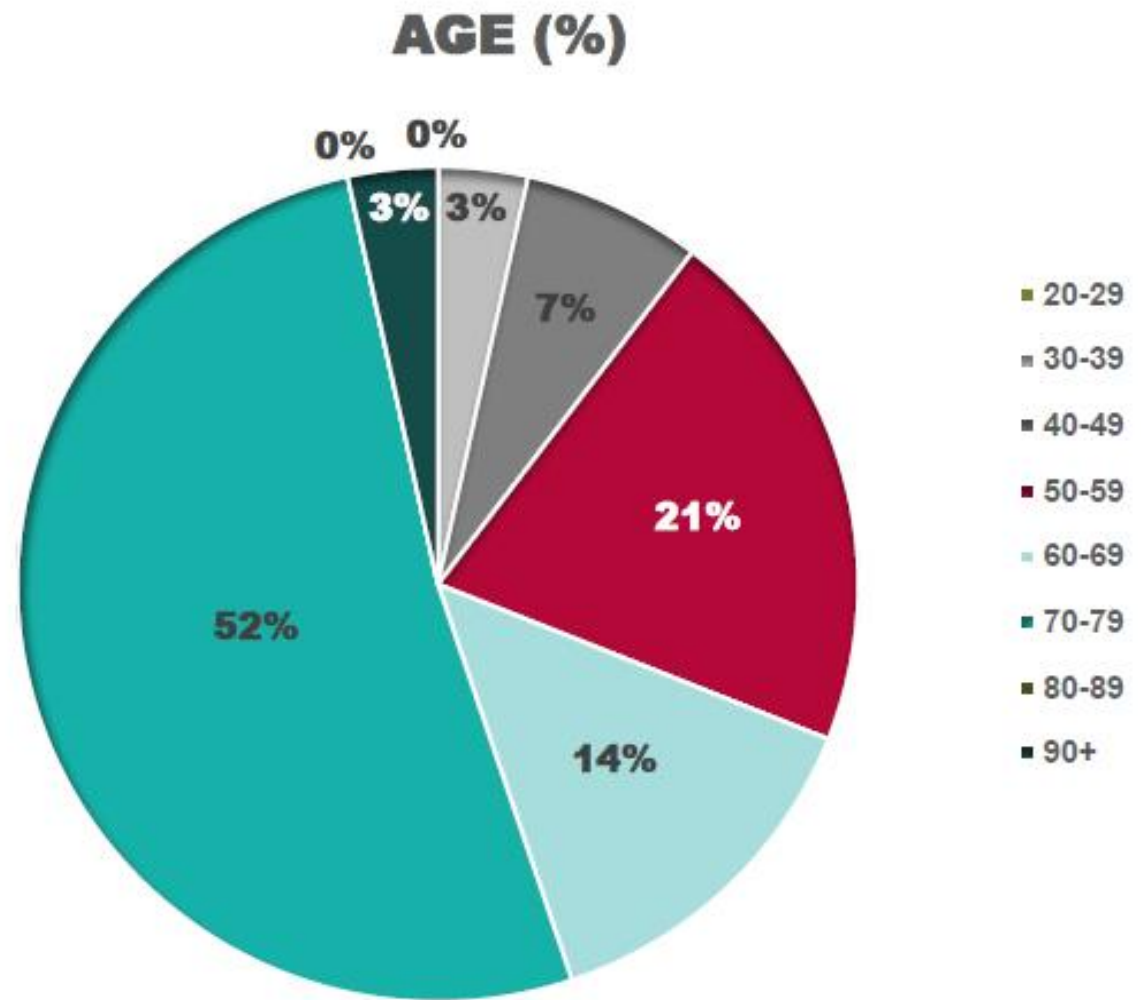
■ Heart Failure ■ HF On-site ■ Virtual Exercise

## HF PROGRAM EVALUATION

Since program launch, October 2021, 83 patients have been enrolled in this program

- 75% of patients also attended virtual education

# PARTICIPANT BY AGE





# OUTCOMES COLLECTED: CVD RISK FACTORS

28 (49%) completed baseline and at least one follow-up outcome measure to inform CVD Risk Factor Profile



SMOKING  
STATUS

=



PHYSICAL  
ACTIVITY

MVPA + DAS1  
131% 20%



NUTRITION  
(F&V INTAKE)

25%



PSYCHOSOCIAL  
FACTORS

PHQ2/9: 31%  
GAD7: 34%



BP

=



TOTAL  
CHOLESTERAL

=



HbA1C

6%



# OPTIONS FOR IMPLEMENTATION

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HF Virtual Education Series Link (YouTube)

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Integrate into existing cardiac rehabilitation program to provide targeted HF education

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EPIC zoom access for patients during weekly sessions



# Questions?





# Open Forum Discussion

Pulse Check: What is the current experience of delivery CR in Ontario?

Dr. Paul Oh

# Open Forum Discussion

1. What is the current experience of delivering CR in Ontario?
  - ❖ What is going well?
  - ❖ Where are your pain points?
  - ❖ Are there some key learnings and changes in response the pandemic that you feel have improved the delivery of CR in your program?
2. What can CorHealth do to help support your program at this time?



# Next Steps

Dr. Karen Harkness

# Next Steps

- Continue **regular monthly data collection**
- Present updated results at the next CR Forum (Dec 2022 or Jan 2023- date TBD)

A copy of the Forum notes, slides and recording will be made available on the CorHealth website under ‘Resources for Healthcare Planners & Providers’

## Resources for Healthcare Planners & Providers

### Cardiac Catheterization & Percutaneous Coronary Intervention (PCI)

Referral Forms

### Heart Rhythm

Offlisting Form  
Referral Form

### Quality Performance Measurement and Monitoring (QPMM)

Cardiac QPMM Resources  
Stroke QPMM Resources

### COVID-19 Resource Centre

COVID-19 Resources  
CorHealth Memos & Documents  
CorHealth Stakeholder Forum Meetings  
General Cardiac Resources  
General Stroke Resources  
General Vascular Resources  
Archive

### Hypertension Management

Hypertension Management Program –  
Getting Started Toolkit for Primary Care

### Rehabilitation

Standards for the Provision of Cardiovascular  
Rehabilitation in Ontario  
Cardiovascular Rehabilitation Forum  
Materials  
Regional Economic Assessments  
Community Stroke Rehabilitation



**“National Cardiac Rehab Registry Webinar hosted by CACPR - - November 2022- Date TBD - - An introduction and demonstration of the new CACPR Registry designed to measure the achievement of national cardiac rehab guidelines at programs, regions & nationally”**



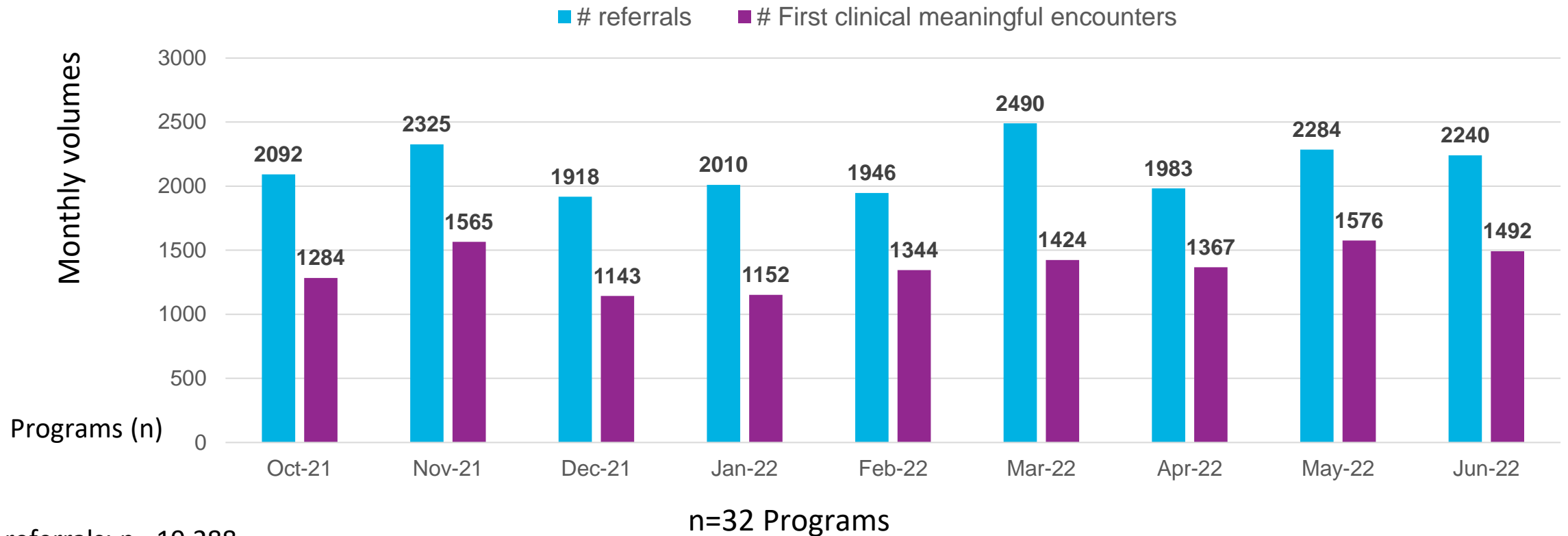


# Appendix A. Monthly Provincial Totals



# Monthly Provincial Totals-32 Programs


Number of Referrals and Clinically Meaningful Encounters  
CR Programs Submitting Aggregate Data for Initial Cohort for the *entire period* between October 2021-June 30, 2022  
n=32 programs



Total referrals: n= 19,288

Total first clinical meaningful encounter: n= 12,347

Ratio: total first encounter/total referrals = 64%

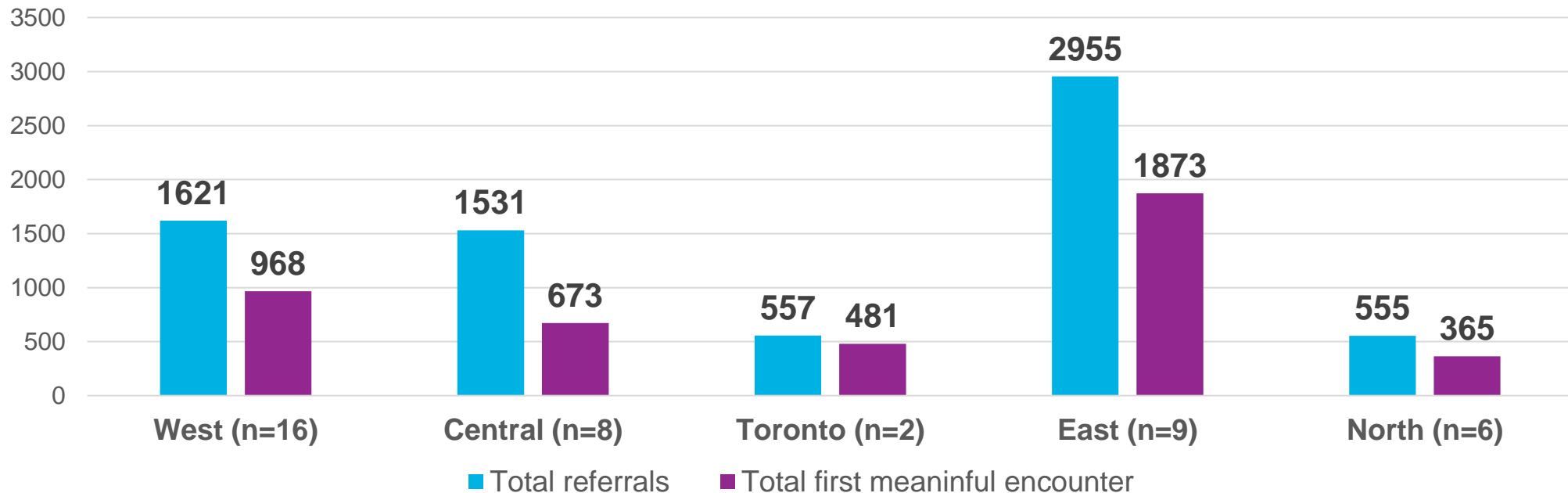


# Appendix B.

## OH Region Quarterly Volumes and Participating Sites

# Regional Totals

Total number of referrals and first clinical meaningful encounters for initial cohort per Region  
21/22 Q3 (Oct – Dec 2021)



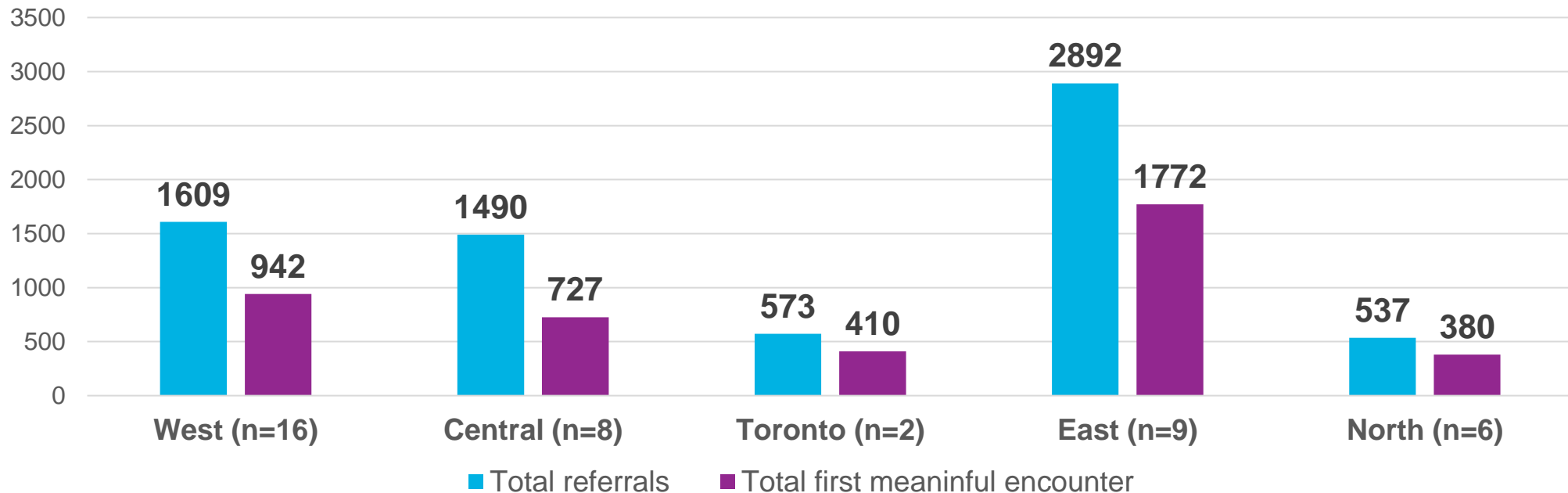
Total referrals: n= 7,219

Total first clinical meaningful encounter: n= 4,360

Ratio: total first encounter/total referrals = 60%

# Regional Totals

Total number of referrals and first clinical meaningful encounters for initial cohort per Region  
21/22 Q4 (Jan – Mar 2022)



Total referrals: n= 7,101

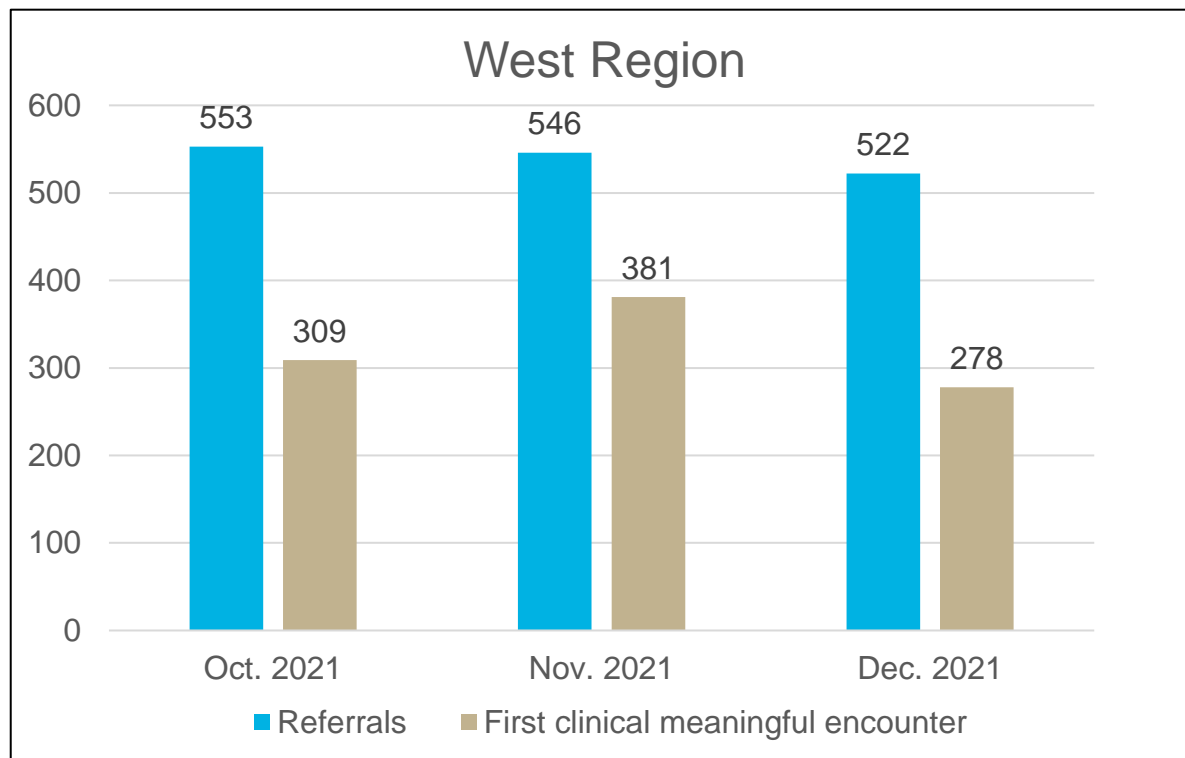
Total first clinical meaningful encounter: n= 4,231

Ratio: total first encounter/total referrals = 60%

For a monthly summary for each OH Region and participating sites, please see Appendix A.

# 3<sup>rd</sup> Quarter FY 2021-2022

## West Region\*



Total referrals: n= 1,621

Total first clinical meaningful encounter: n= 968

Ratio: total first encounter/total referrals : 60%



\*Volumes include submission from programs listed on the slide submitting at least 1 month of data for the initial cohort during this time period.

### Programs submitting data

Hotel Dieu Grace Healthcare Cardiac Wellness – Windsor and Leamington sites

North Lambton Community Health Centre (Sarnia)

Chatham-Kent Community Health Centre (Chatham)

St. Joseph's HealthCare Cardiac Rehab & Secondary Prevention (London)

Heathy Hearts Cardiac Rehab, Maitland FHT (Goderich)

Stratford Family Health Team (Stratford)

Grand Bend Area Community Health Centre

Alexandra Hospital Cardiac Rehab, Ingersoll

Hanover and District Hospital Hearts in Motion

Kincardine Family Health Team Hearts in Motion

Owen Sound Cardiac Rehab program (Grey Bruce Health Services)

St Mary's Cardio-Pulmonary Rehabilitation Program

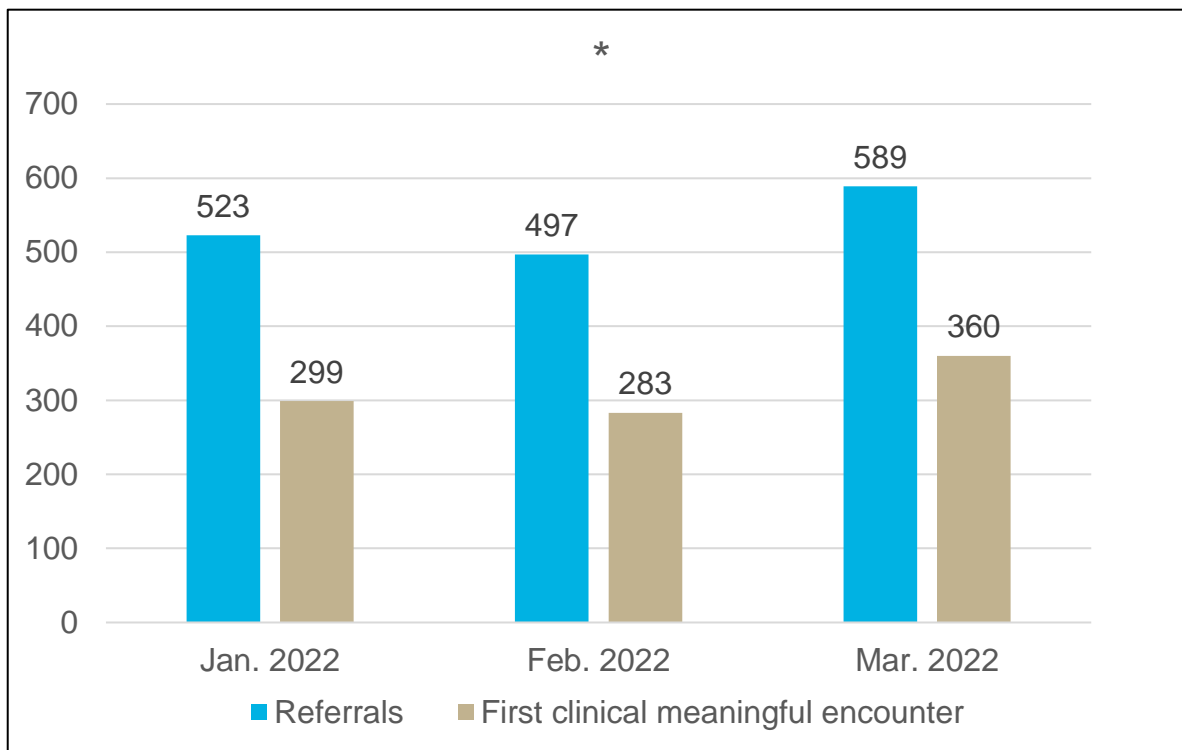
Cambridge Cardiac Care Centre (Cambridge)

Cardiovascular Health & Rehabilitation Program (St. Catharines-Niagara Health System)

Upper Grand Family Health Team

Waterloo Regional Cardiac Rehabilitation (Hardy Hearts)

# 4<sup>th</sup> Quarter FY 2021-2022 West Region\*



Total referrals: n= 1,609

Total first clinical meaningful encounter: n= 942

Ratio: total first encounter/total referrals : 59%



\*Volumes include submission from programs listed on the slide submitting at least 1 month of data for the initial cohort during this time period.

## Programs submitting data

Hotel Dieu Grace Healthcare Cardiac Wellness – Windsor and Leamington sites

North Lambton Community Health Centre (Sarnia)

Chatham-Kent Community Health Centre (Chatham)

St. Joseph’s HealthCare Cardiac Rehab & Secondary Prevention (London)

Heathy Hearts Cardiac Rehab, Maitland FHT (Goderich)

Stratford Family Health Team (Stratford)

Grand Bend Area Community Health Centre

Alexandra Hospital Cardiac Rehab, Ingersoll

Hanover and District Hospital Hearts in Motion

Kincardine Family Health Team Hearts in Motion

Owen Sound Cardiac Rehab program (Grey Bruce Health Services)

St Mary’s Cardio-Pulmonary Rehabilitation Program

Cambridge Cardiac Care Centre (Cambridge)

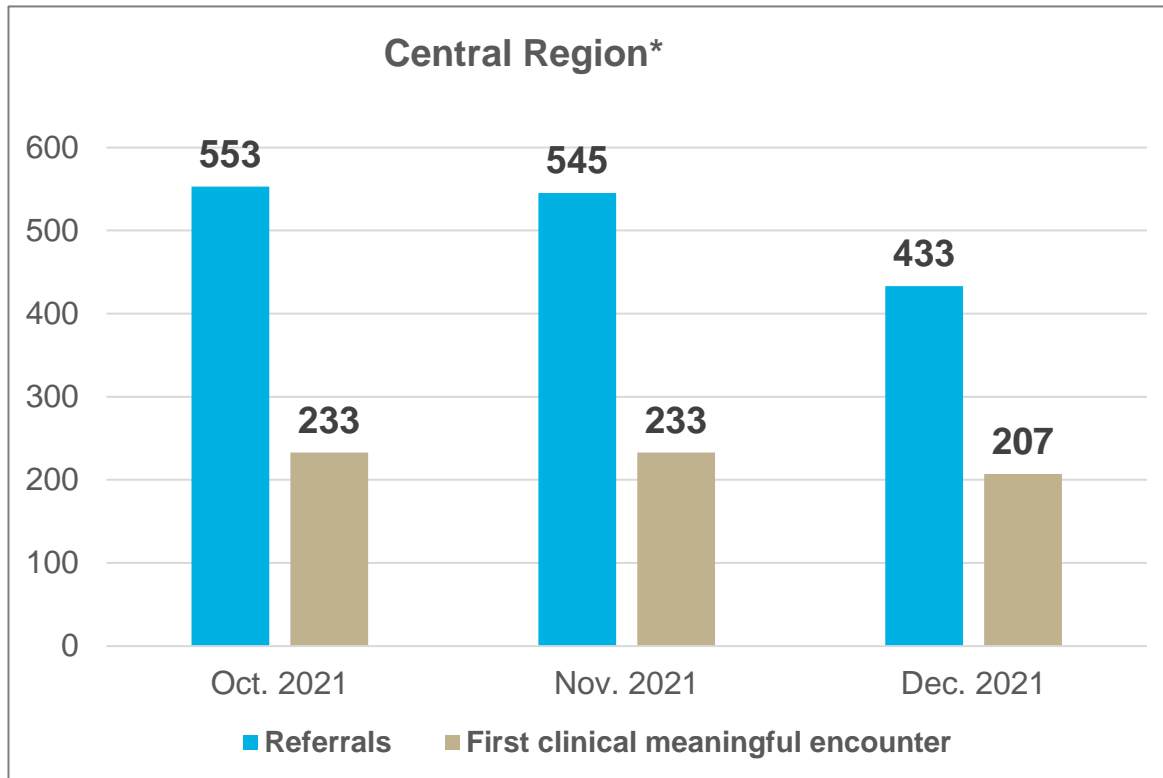
Cardiovascular Health & Rehabilitation Program (St. Catharines-Niagara Health System)

Upper Grand Family Health Team

Waterloo Regional Cardiac Rehabilitation (Hardy Hearts)

# 3<sup>rd</sup> Quarter FY 2021-2022

## Central Region\*



Total referrals: n= 1,531

Total first clinical meaningful encounter: n= 673

Ratio: total first encounter/total referrals : 44%

### Programs submitting data

William Osler Health System-CR Program at Peel Memorial Hospital-Brampton and Etobicoke General Hospital

Trillium Health Partners CR Prevention & Rehabilitation Centre

Halton Health Care - Milton and Oakville Sites

Royal Victoria Hospital Cardiac Rehab Program (Barrie and Innisfil sites)

Partner programs- Georgian Bay FHT (Collingwood, Wasaga Beach sites), North Simcoe FHT (Midland)

Algonquin FHT- Health Heart Program (Huntsville)

Cottage County Family Health Teams Health Heart Program

Orillia Soldiers Memorial Hospital Cardio Rehab Program

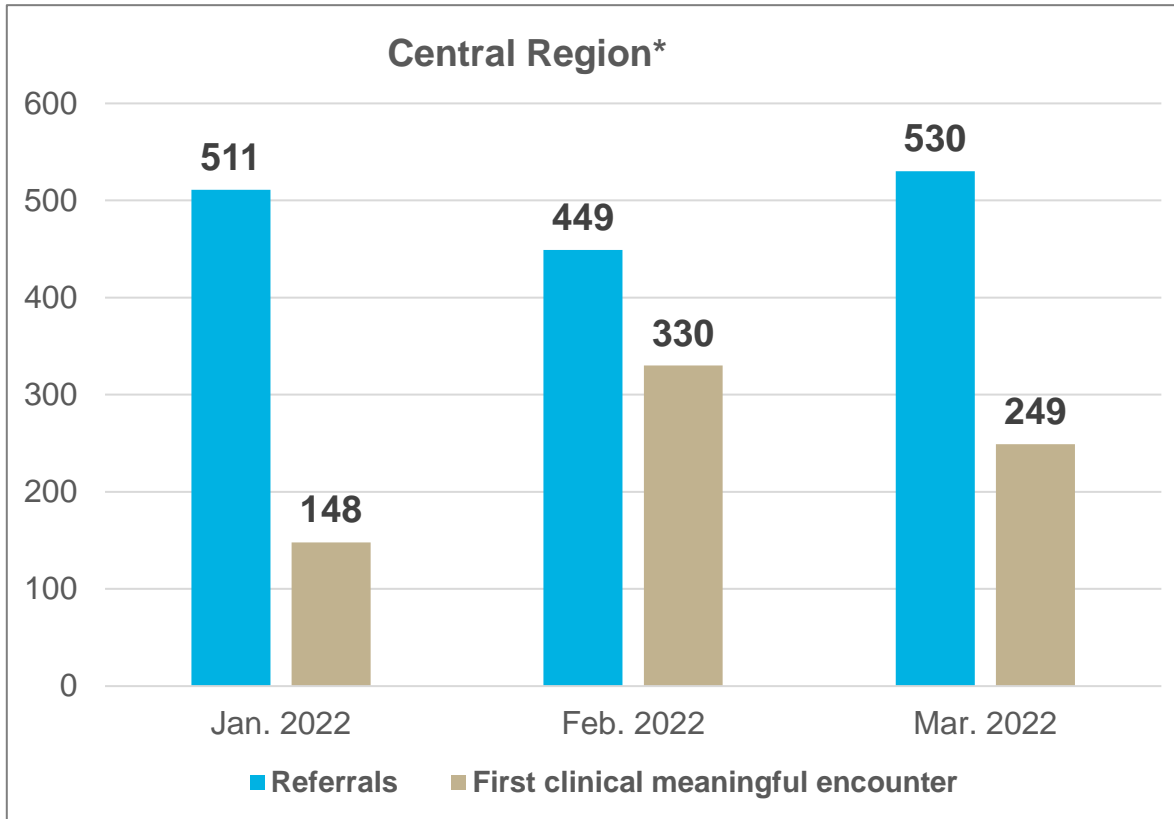
Southlake Regional Health Centre CV Prevention and Rehab Program (Newmarket)



\*Volumes include submission from programs listed on the slide submitting at least 1 month of data during this time period.

# 4<sup>th</sup> Quarter FY 2021-2022

## Central Region\*



Total referrals: n= 1,490

Total first clinical meaningful encounter: n= 727

Ratio: total first encounter/total referrals : 49%

### Programs submitting data

William Osler Health System-CR Program at Peel Memorial Hospital-Brampton and Etobicoke General Hospital

Trillium Health Partners CR Prevention & Rehabilitation Centre

Halton Health Care - Milton and Oakville Sites

Royal Victoria Hospital Cardiac Rehab Program (Barrie and Innisfil sites)

Partner programs- Georgian Bay FHT (Collingwood, Wasaga Beach sites), North Simcoe FHT (Midland)

Algonquin FHT- Health Heart Program (Huntsville)

Cottage County Family Health Teams Health Heart Program

Orillia Soldiers Memorial Hospital Cardio Rehab Program

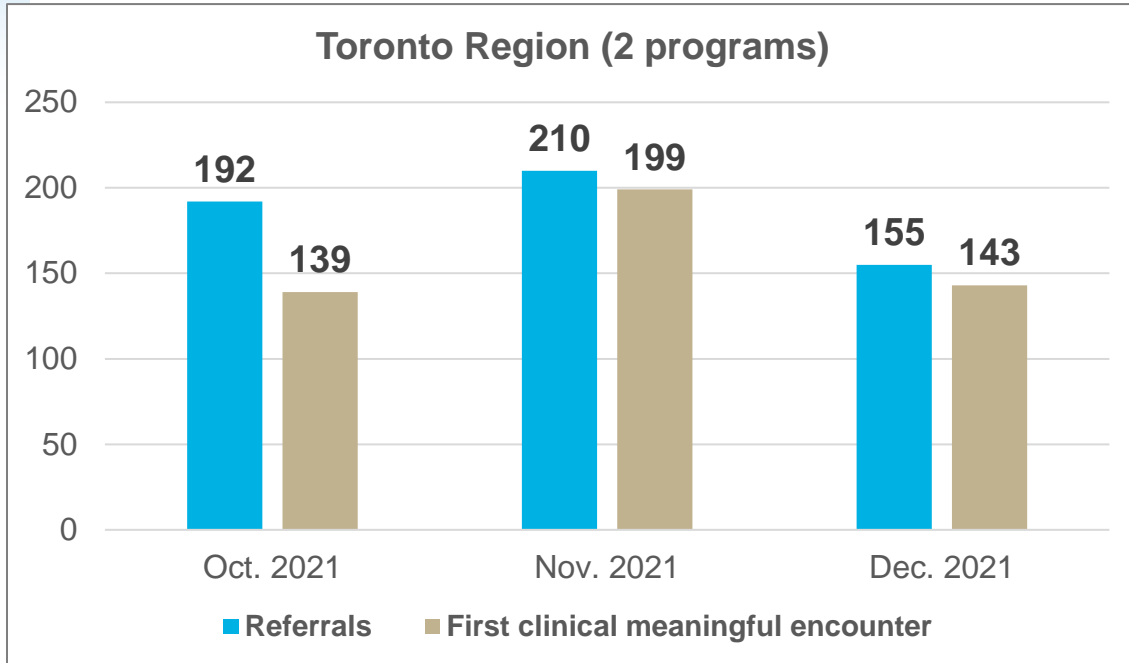
Southlake Regional Health Centre CV Prevention and Rehab Program (Newmarket)



\*Volumes include submission from programs listed on the slide submitting at least 1 month of data during this time period.

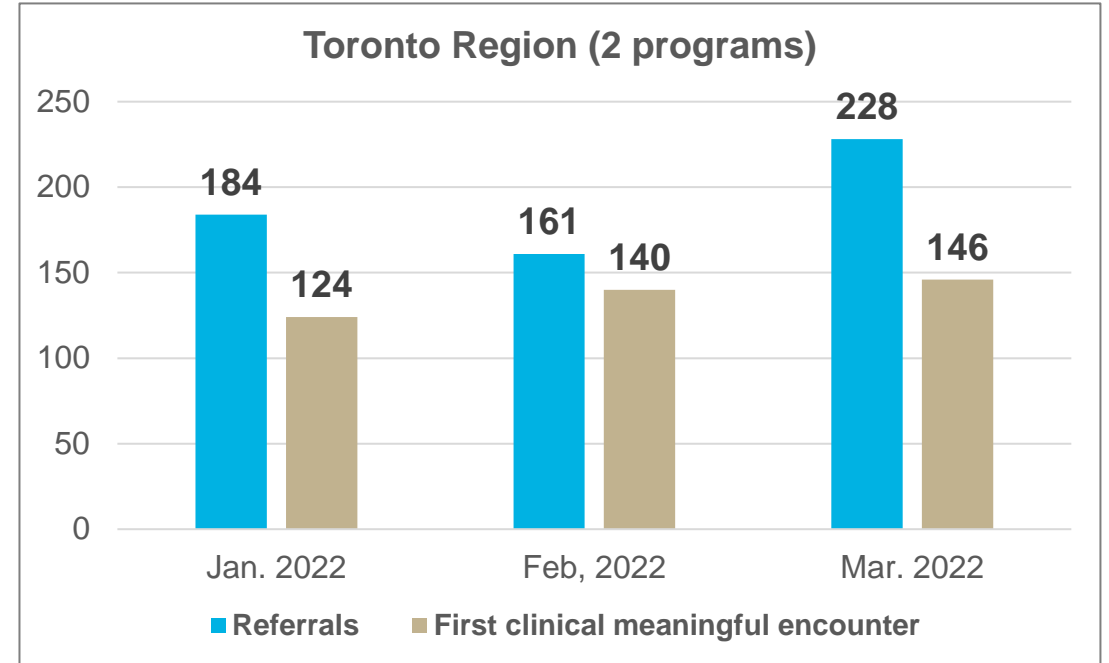


# 3<sup>rd</sup> Quarter FY 2021-2022 Toronto Region



Total referrals: n= 557  
 Total first clinical meaningful encounter: n= 481  
 Ratio: total first encounter/total referrals : 86%

# 4<sup>th</sup> Quarter FY 2021-2022 Toronto Region



Total referrals: n= 573  
 Total first clinical meaningful encounter: n= 410  
 Ratio: total first encounter/total referrals : 72%

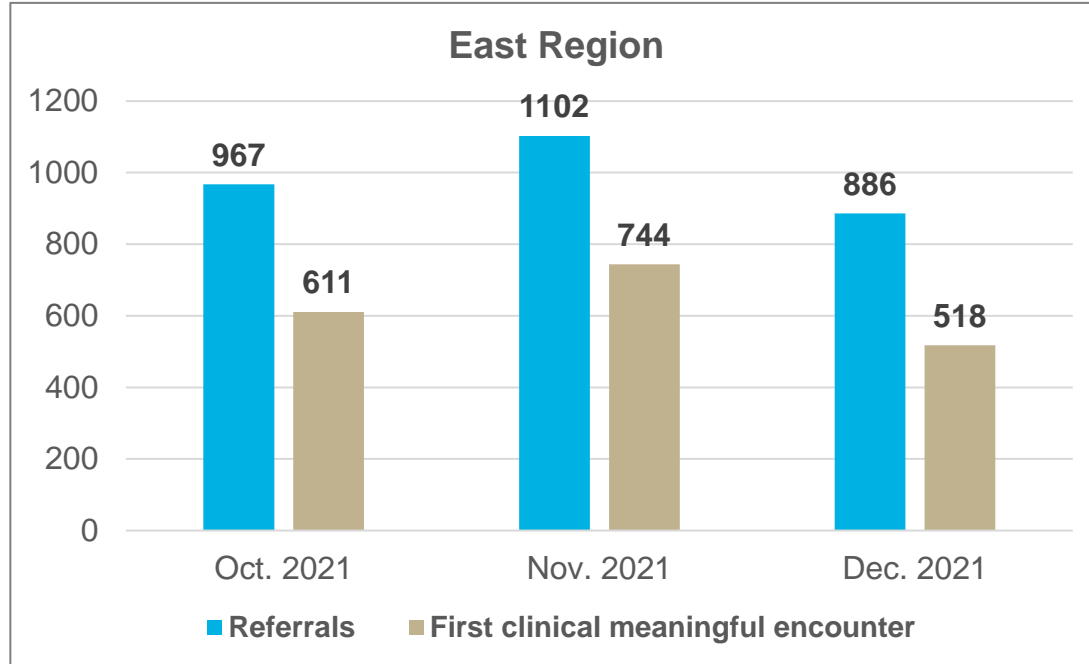
## Programs submitting data

UHN-Cardiovascular Prevention and Rehabilitation Program

Women's Cardiovascular Health Initiative (Toronto)

# 3<sup>rd</sup> Quarter FY 2021-2022

## East Region\*



Total referrals: n= 2,955

Total first clinical meaningful encounter: n= 1,873

Ratio: total first encounter/total referrals : 63%

### Programs submitting data

- MacKenzie Health CV Rehab Program
- Carefirst Ontario - Scarborough and Richmond Hill sites
- Central East Cardiac Rehab (13 sites)
- Peterborough Regional Health Centre Cardiac Rehab Program
- Kingston Health Sciences CR program, Hotel Dieu Site
- Prince Edward Ambulatory Cardiac Centre CR (Picton)
- Lennox and Addington County General Hosp. Cardiac Rehab (Napanee)
- Cornwall Hospital Cardiopulmonary Rehab Program

### UOHI and Partner programs submitting data

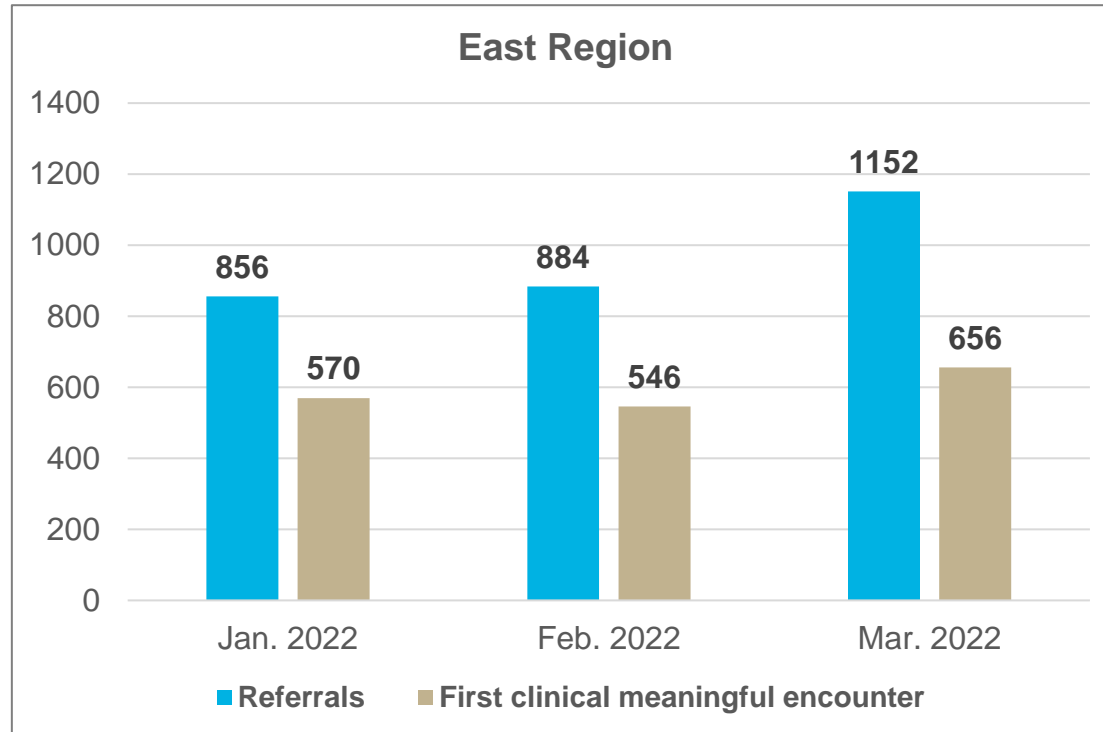
Lanark Renfrew Lung Health Program	Hawkesbury & District General Hospital Supervised Program
Alexandria: Hospital Glengarry Memorial	Cardiovascular and Pulmonary Health Services (Montfort)
Arnprior FHT and Arnprior Regional Health	Seaway Valley CHC Tele-Rehab Program (Cornwall)
North Hastings Cardiac Rehabilitation	Winchester Tele-Rehab Program
Barry's Bay St Francis Memorial Hospital (Tele-Rehab)	Pembroke Regional Hospital Cardiac Rehab Program
Centre de santé communautaire de l'Estrie (Bourget)	Lanark Renfrew Lung Health Program(Perth)
Brockville Cardiovascular Program	University of Ottawa Heart Institute



\*Volumes include submission from programs listed on the slide submitting at least 1 month of data during this time period.

# 4<sup>th</sup> Quarter FY 2021-2022

## East Region\*



Total referrals: n= 2,892

Total first clinical meaningful encounter: n= 1,772

Ratio: total first encounter/total referrals : 61%

### Programs submitting data

MacKenzie Health CV Rehab Program

Carefirst Ontario - Scarborough and Richmond Hill sites

Central East Cardiac Rehab (13 sites)

Peterborough Regional Health Centre Cardiac Rehab Program

Kingston Health Sciences CR program, Hotel Dieu Site

Prince Edward Ambulatory Cardiac Centre CR (Picton)

Lennox and Addington County General Hosp. Cardiac Rehab (Napanee)

Cornwall Hospital Cardiopulmonary Rehab Program

### UOHI and Partner programs submitting data

Lanark Renfrew Lung Health Program

Hawkesbury & District General Hospital Supervised Program

Alexandria: Hospital Glengarry Memorial

Cardiovascular and Pulmonary Health Services (Montfort)

Arnprior FHT and Arnprior Regional Health

Seaway Valley CHC Tele-Rehab Program (Cornwall)

North Hastings Cardiac Rehabilitation

Winchester Tele-Rehab Program

Barry's Bay St Francis Memorial Hospital (Tele-Rehab)

Pembroke Regional Hospital Cardiac Rehab Program

Centre de santé communautaire de l'Estrie (Bourget)

Lanark Renfrew Lung Health Program(Perth)

Brockville Cardiovascular Program

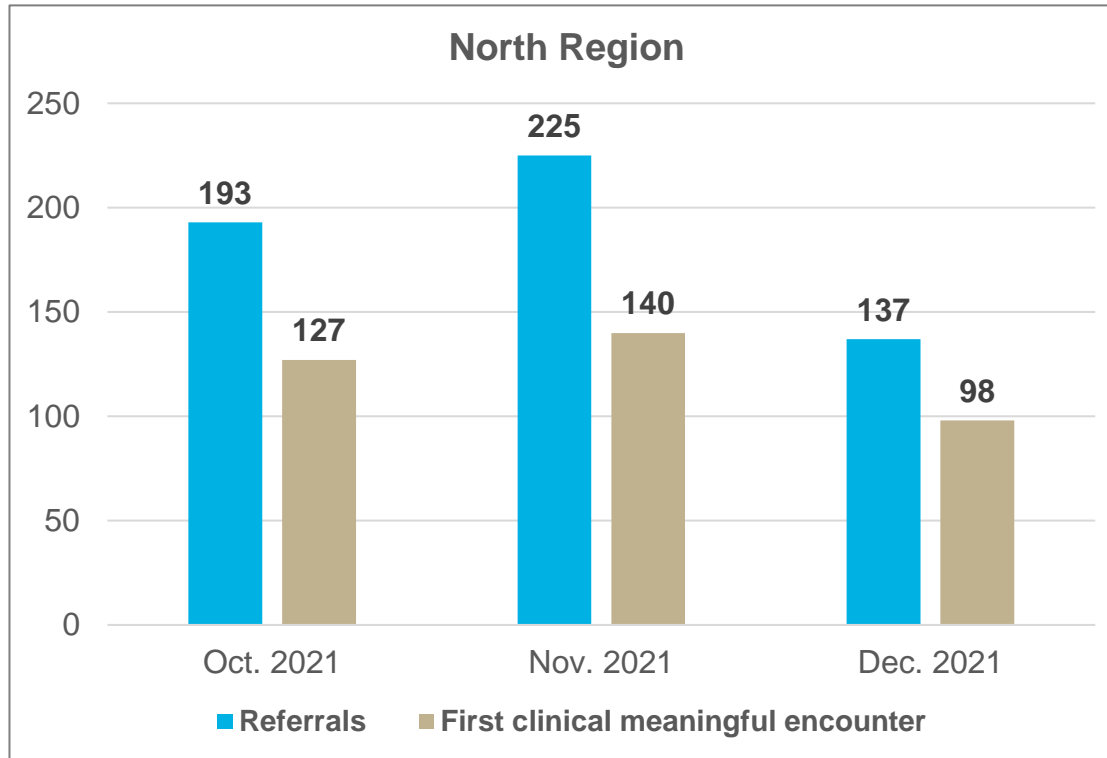
University of Ottawa Heart Institute



\*Volumes include submission from programs listed on the slide submitting at least 1 month of data during this time period.

# 3<sup>rd</sup> Quarter FY 2021-2022

## North Region\*



Total referrals: n= 555

Total first clinical meaningful encounter: n= 365

Ratio: total first encounter/total referrals: 66%

### Health Sciences North and Partner programs submitting data

HSN- Sudbury	Kirkland and District Hospital Cardiac Rehabilitation and Secondary Prevention Clinic
Manitoulin Health Centre Cardiac Rehab	Temiskaming Hospital Cardiac Rehab
Espanola Regional Hospital and Health Centre Cardiac Rehab Program	Cardiac Rehab Program Group Health Centre Sault Ste Marie
Sturgeon Falls West Nipissing General Hosp. Cardiac Rehab Program	

### Thunder Bay Regional Health Sciences Centre and Partner programs submitting data

TBRHSC (Thunder Bay)	Nipigon District Memorial Hospital CV Rehab
Redlake Margaret Cochenour Memorial Hospital CV Rehab	Geraldton District Hospital CV Rehab
Mary Bergund Health Centre CV Rehab	McCausland Hospital CV Rehab
Atikokan General Hospital CV Rehab	Wilson Memorial General Hospital CV Rehab
La Varendrye General Hospital CV Rehab	Manitouwadge General Hospital CV Rehab

### Other Programs submitting data

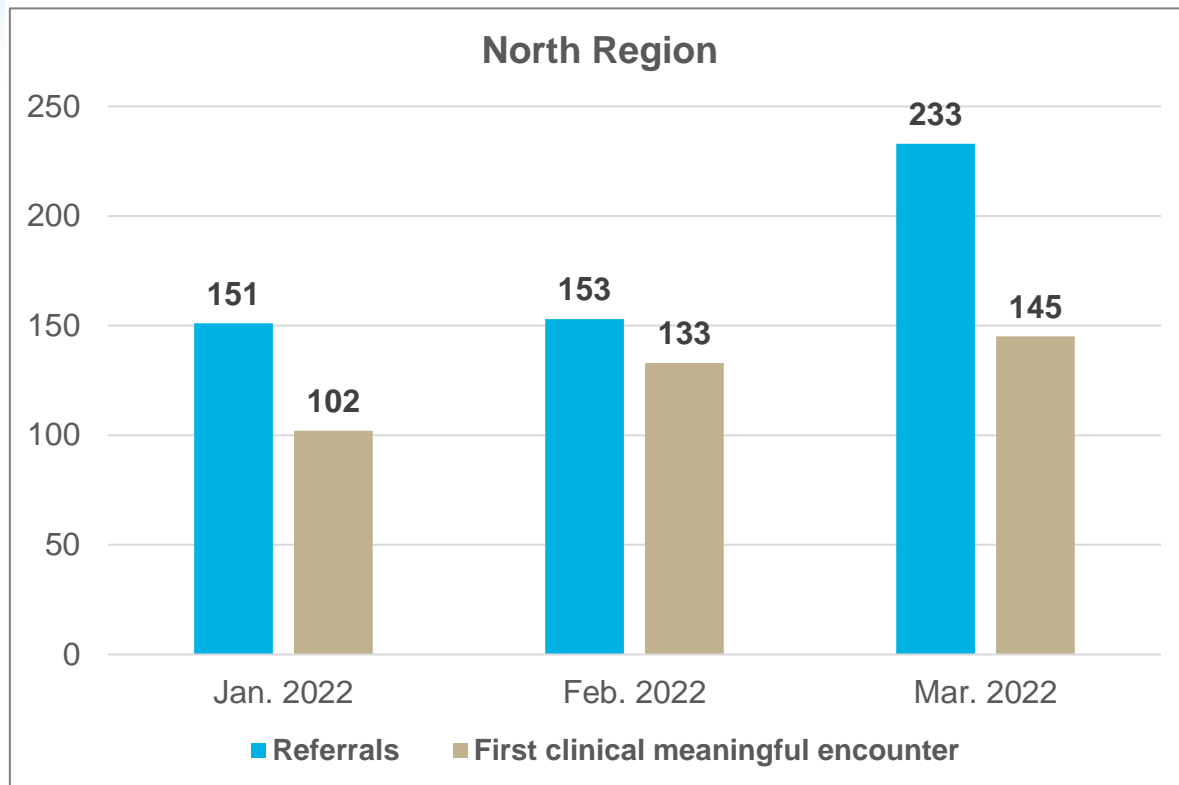
West Parry Sound Cardiac Rehab Program	Sioux Lookout Meno Ya Win Health Centre CV Rehab
Dryden Regional Health Centre CV Rehab	Lake of the Woods District Hosp. CV Rehab, Kenora



\*Volumes include submission from programs listed on the slide submitting at least 1 month of data during this time period.

# 4<sup>th</sup> Quarter FY 2021-2022

## North Region\*



Total referrals: n= 537

Total first clinical meaningful encounter: n= 380

Ratio: total first encounter/total referrals: 71%

### Health Sciences North and Partner programs submitting data

HSN- Sudbury	Kirkland and District Hospital Cardiac Rehabilitation and Secondary Prevention Clinic
Manitoulin Health Centre Cardiac Rehab	Temiskaming Hospital Cardiac Rehab
Espanola Regional Hospital and Health Centre Cardiac Rehab Program	Cardiac Rehab Program Group Health Centre Sault Ste Marie
Sturgeon Falls West Nipissing General Hosp. Cardiac Rehab Program	

### Thunder Bay Regional Health Sciences Centre and Partner programs submitting data

TBRHSC (Thunder Bay)	Nipigon District Memorial Hospital CV Rehab
Redlake Margaret Cochenour Memorial Hospital CV Rehab	Geraldton District Hospital CV Rehab
Mary Bergund Health Centre CV Rehab	McCausland Hospital CV Rehab
Atikokan General Hospital CV Rehab	Wilson Memorial General Hospital CV Rehab
La Varendrye General Hospital CV Rehab	Manitouwadge General Hospital CV Rehab

### Other Programs submitting data

West Parry Sound Cardiac Rehab Program	Sioux Lookout Meno Ya Win Health Centre CV Rehab
Dryden Regional Health Centre CV Rehab	Lake of the Woods District Hosp. CV Rehab, Kenora



\*Volumes include submission from programs listed on the slide submitting at least 1 month of data during this time period.