

Ontario Critical Care Clinical Practice Rounds (OC3PR): COVID-19

Dec 2 2021

Post-COVID ICU Survivors and their Outcomes

Chaired by Dr. Dave Neilipovitz

Presented by Dr. Angela Cheung
and Dr. Margaret Herridge



Meeting Etiquette



- Participants will be muted and can use the chat function to converse with the panelists.



- Attendees can submit questions to Q&A in the chat function in the Zoom menu.



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The Canadian COVID-19 Prospective Cohort Study and the CANCOV Consortium

Margaret Herridge, MD, MSc, FRCPC and
Angela M. Cheung, MD, PhD, FRCPC
on behalf of
CANCOV Investigator Group



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Ontario



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Frailty
Network



CCCTG

Canadian Critical Care
Trials Group

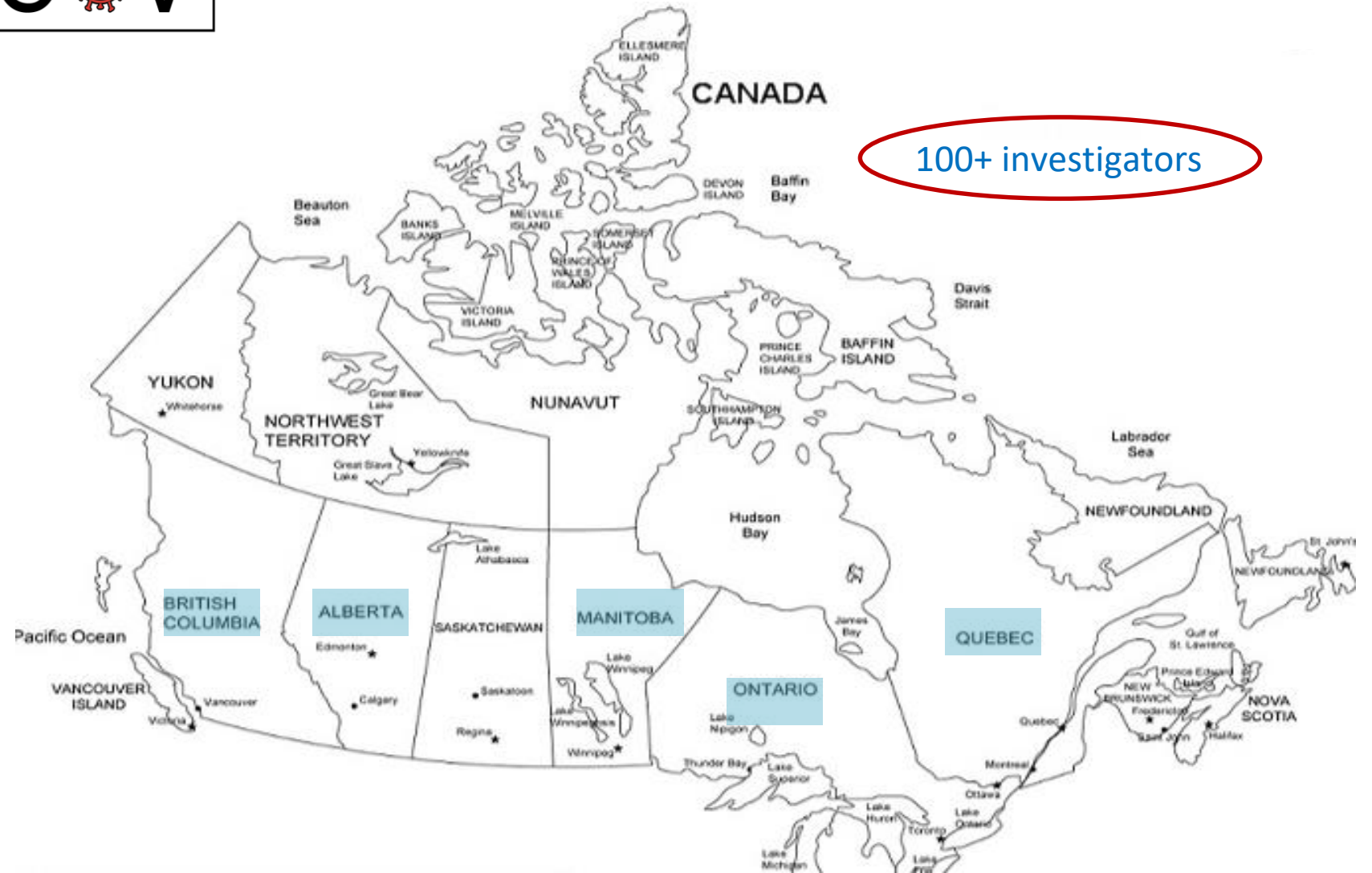


COVID-19 IMMUNITY
TASK FORCE



Prospective Cohort Study

- Granular longitudinal 1-year follow-up
- 1000 hospitalized pts
- 1000 non-hospitalized pts
- 100 caregivers





The Canadian COVID-19 Prospective Cohort Study

✓ **Co-Leads:** Angela Cheung MD PhD / Margaret Herridge MSc MD MPH

✓ **Co-PIs:**

Alexandra Binnie	Francois Lamontagne
Claudia Dos Santos	Jennifer Tsang
Jane Batt	Marzyeh Ghasseni
Anita Palepu	Suzanne Morin
Lisa Strug	Thomas Stelfox
Rae Yeung	Amol Verma
Sofia Ahmed	Fahad Razak
Shail Rawal	George Tomlinson

✓ **Program Team:** Gina Srighanthan MSc, Judy Scher MSc, Priscila Robles PT PhD;

✓ **In collaboration with:** RECOVER/GEMINI/CCCTG/CCIRNet Investigators



CAN C V

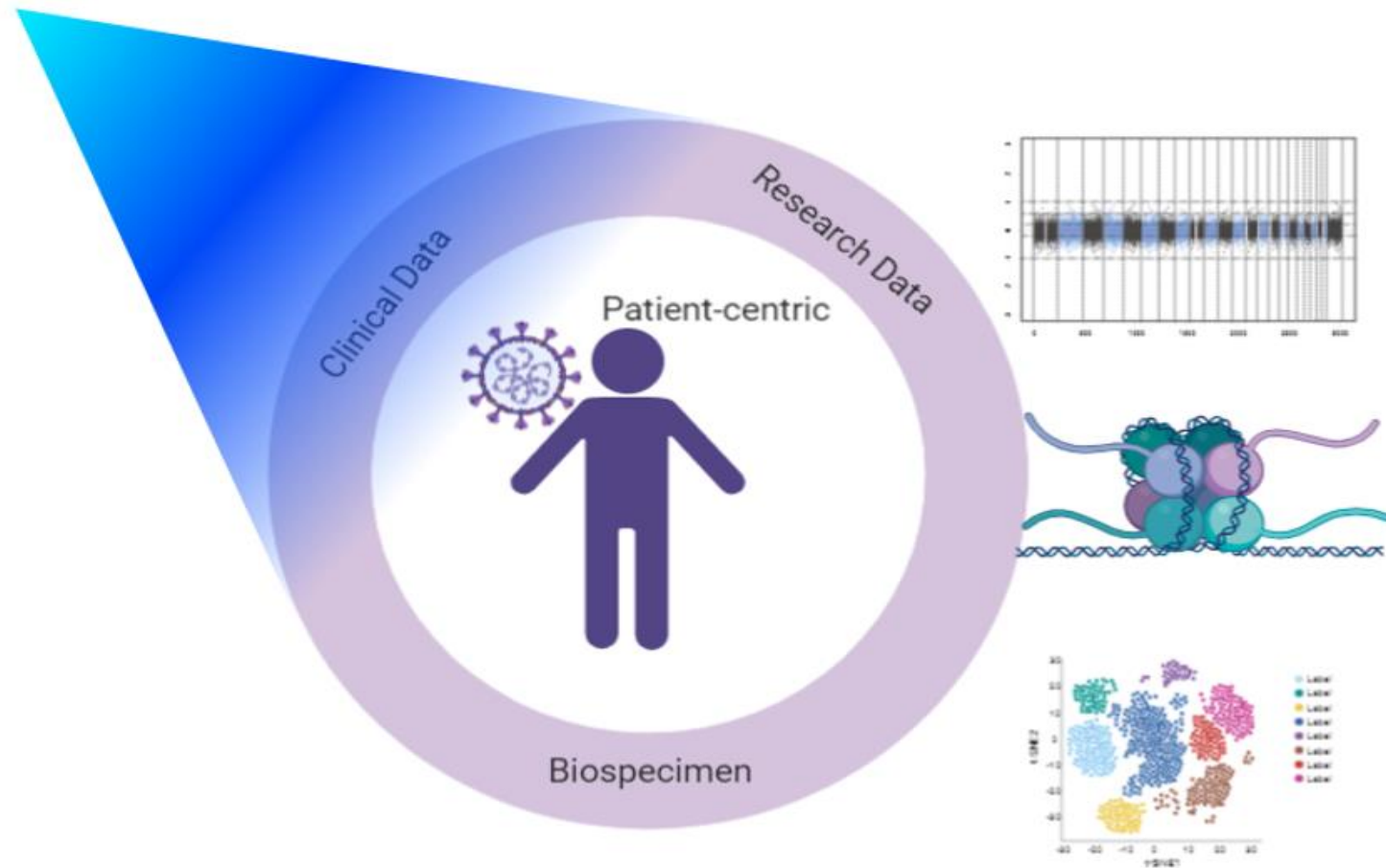


Figure. Schematic Diagram of CANCOV



Co-Leads: Angela Cheung and Margaret Herridge

Overall Objectives:

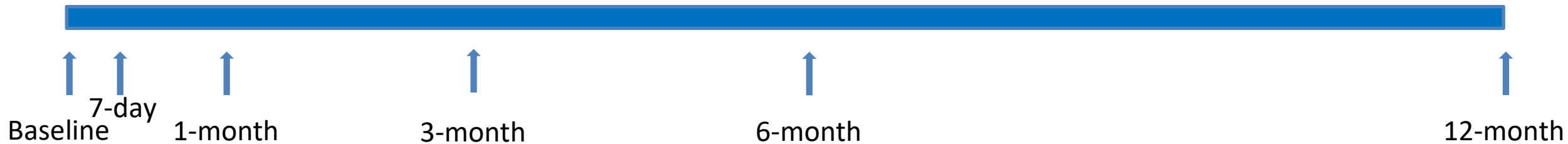
- 1) To determine the short and long term outcomes of patients with COVID-19 and their caregivers in Canada,
- 2) To examine the sociodemographic, clinical, multi-omic determinants of these outcomes

CAN COV

- Sociodemographic data
- Comorbid illness
- Medications
- Primary daily activity
- Work status

- Symptoms
- Quality of Life
- Mental Health
- Resilience
- Stigma

- Complications
- Nutrition Status
- Physical Exam and Function
- Health Care Utilization
- Reintegration



Neuro
COVID

RECOVER

GEMINI
HAL

COVIPREP

BEACONS

GENCOV

ICU-
MEND

CAN  COV

Cardiac
Imaging

CYCLIC

COLOBILI/
ISARIC

SUPPORT
CANADA

COVIDFree
@Home

PODS

Plasma
Trial F/U

Canadian COVID-19 Prospective Cohort Study (CANCOV)

Ontario enrollment total: **n = 1797**

- Screening (PCR-) Cohort: n = 439 patients
- Non-hospitalized Cohort: n = 672 patients
- Hospitalized Non-ICU Cohort: n = 304 patients; 14 caregivers
- Hospitalized ICU Cohort: n = 307 patients; 61 caregivers

WARNING:

Very preliminary look at CANCOV

NOT for sharing

Who?



	Non-hospitalized (n=669)	Hospitalized non-ICU (n=302)	Hospitalized ICU (n=308)	Screening Arm (n=436)
Characteristic				
Age (mean, SD) (Range)	44.8 (13.7) (16.7-88.2)	61.7 (17.3) (20.8 – 96.2)	54.1 (13.6) (21.8 – 93.6)	47.7 (13.0) (17.1 – 80.0)
Sex (n, %)				
Women	420 (67.5)	117 (44.8)	45 (36.3)	327 (75.7)
Men	202 (32.5)	144 (55.2)	79 (63.7)	105 (24.3)
Ethnicity (n, %)				
East Asian	33 (5.4)	30 (16.5)	18 (14.2)	12 (2.8)
South Asian	30 (4.9)	12 (6.6)	24 (18.9)	9 (2.1)
Black	22 (3.6)	16 (8.8)	15 (11.8)	5 (1.2)
First Nations/Indigenous /Aboriginal/Metis	6 (1.0)	6 (3.3)	6 (4.7)	4 (0.9)
Latin American	26 (4.3)	9 (5.0)	6 (4.7)	8 (1.8)
Middle Eastern	19 (3.1)	6 (3.3)	5 (3.9)	4 (0.9)
Caucasian	448 (73.8)	97 (53.3)	52 (40.9)	376 (86.4)
Other	22 (3.6)	3 (1.7)	1 (0.8)	15 (3.5)
Prefer not to answer/Unsure	1 (0.2)	3 (1.7)	0 (0.0)	2 (0.5)

WORK
IN
PROGRESS

“Clinically Diagnosed” Cohort

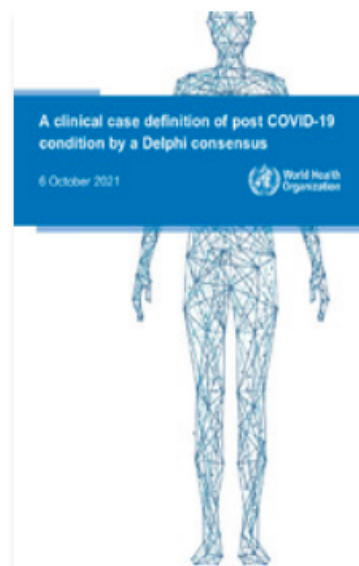


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A clinical case definition of post COVID-19 condition by a Delphi consensus, 6 October 2021



6 October 2021 | COVID-19: Clinical care

[Download \(891.3 kB\)](#)

Overview

WHO has developed a clinical case definition of post COVID-19 condition by Delphi methodology that includes 12 domains, available for use in all settings. This first version was developed by patients, researchers and others, representing all WHO regions, with the understanding that the definition may change as new evidence emerges and our understanding of the consequences of COVID-19 continues to evolve.

Post COVID-19 condition occurs in individuals with a history of probable or confirmed SARS CoV-2 infection, usually 3 months from the onset of COVID-19 with symptoms and that last for at least 2 months and cannot be explained by an alternative diagnosis. Common symptoms include fatigue, shortness of breath, cognitive dysfunction but also others and generally have an impact on everyday functioning. Symptoms may be new onset following initial recovery from an acute COVID-19 episode or persist from the initial illness. Symptoms may also fluctuate or relapse over time.

[- Corrigendum](#)

Language:

WHO TEAM

WHO Headquarters (HQ)

REFERENCE NUMBERS

WHO REFERENCE NUMBER:

WHO/2019-nCoV/Post_COVID-19_condition/Clinical_case_definition/2021.1

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[Français](#)

COVID-19 in Canada

- » ~1.8 million cases
- » ~30K deaths
- » >180K post-COVID condition



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