

Virtual Medical Staff Forum

Planetary Health & Public Health Updates

January 24, 2023

Colin Chan, Dr. Patricia Daly, Dr. Chad Kim Sing and Dr. Andrea MacNeill

**Vancouver
CoastalHealth**

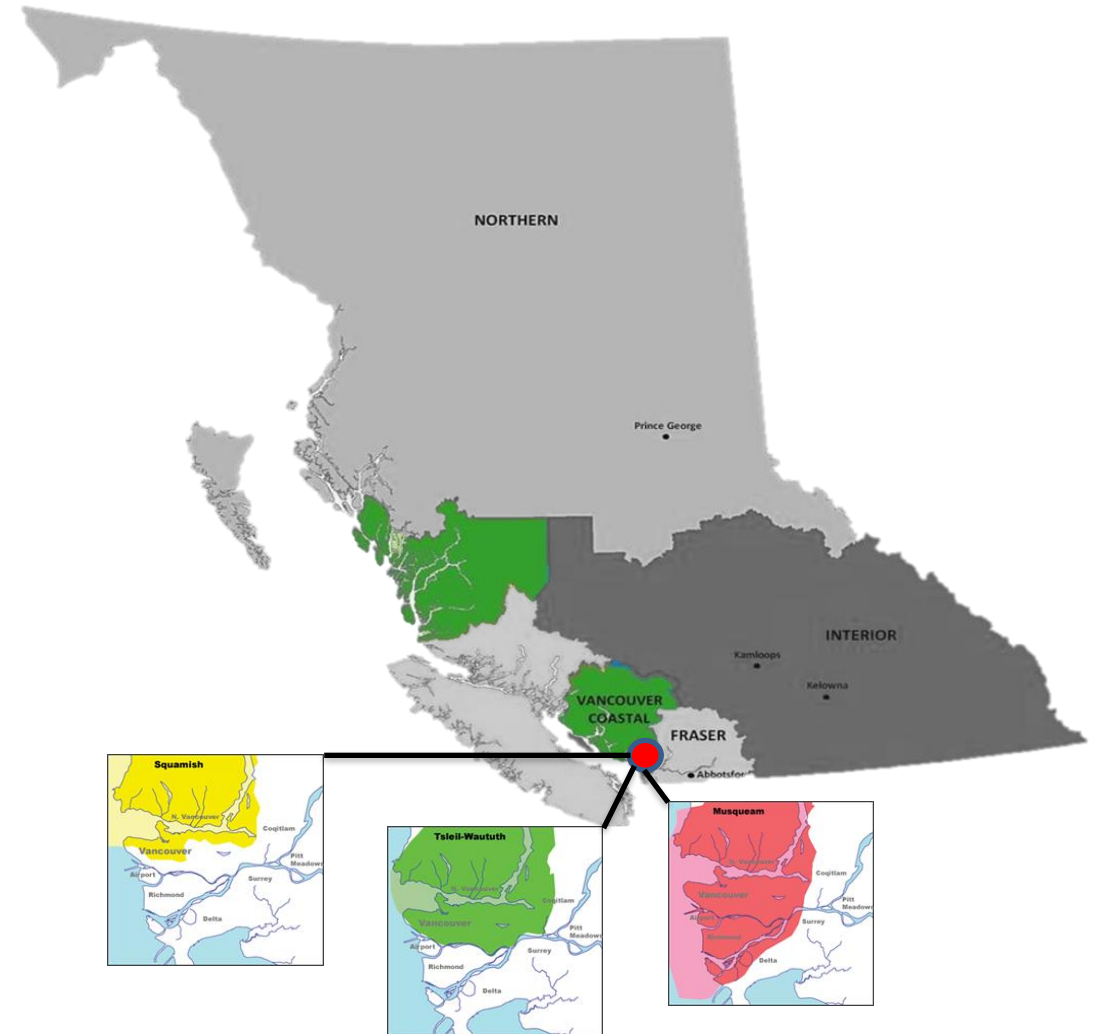
**one
VCH**

The Medical Staff Forums are supported by Vivian Chan, Leah Christoff, Laurie Kilburn, Michigan Lee, Lana Moroz and Nicole Simpson

Territory Honouring

We wish to acknowledge that the land on which we gather is the traditional and unceded territory of the Coast Salish Peoples, including the Musqueam, Squamish, and Tsleil-Waututh Nations.

Vancouver Coastal Health is committed to delivering exceptional care to 1.2 million people, including the First Nations, Métis and Inuit in our region, within the traditional territories of the Heiltsuk, Kitasoo-Xai'xais, Lil'wat, Musqueam, N'Quatqua, Nuxalk, Samahquam, shíshálh, Skatin, Squamish, Tla'amin, Tsleil-Waututh, Wuikinuxv, and Xa'xtsa.



Agenda

Welcome and Opening Remarks	Dr. Chad Kim Sing – Interim Vice President, Medicine, VCH
Planetary Health Presentation	Colin Chan – Regional Leader, Sustainable Clinical Services Dr. Andrea MacNeill – Regional Medical Director, Planetary Health
Planetary Health Registrant Questions	Colin Chan Dr. Andrea MacNeill
Public Health Updates	Dr. Patricia Daly – Chief Medical Health Officer
Live Q&A	All Panelists
Closing Remarks	Dr. Chad Kim Sing



This Webinar is Being Recorded

We are recording this session for our medical staff who are unable to join us live.

Only forum panelists will be recorded.

The Planetary Health presentation (chat box links, recording and slides) will be available on the Medical Staff Intranet.

Medical Staff Intranet

Visit <https://one.vch.ca/covid19/for-medical-staff> for links to previous forums (no need to remote in with Citrix to view the site).

For vaccine updates and information, visit <https://one.vch.ca/covid19/information-for-staff>

For Your Attention:

This Virtual Medical Staff Forum is intended to provide relevant information and updates to VCH medical staff, and is not intended for broader public consumption.

The registration link/video content should not be circulated to third parties, including those outside of VCH.

By attending this virtual forum, you are committing to:

- Not recording using a personal mobile (or other) device
- Not sharing information with third parties (including on social media)

We appreciate your understanding.

Planetary Health

Sustainable Clinical Services

Colin Chan, Regional Leader, Sustainable Clinical Services

Dr. Andrea MacNeill, Regional Medical Director, Planetary Health

Introductions



Dr. Andrea MacNeill

Regional Medical Director, Planetary Health, VCH
Director, UBC Planetary Healthcare Lab
CASCADES Executive Member
Clinical Associate Professor, UBC



Colin Chan

Regional Leader,
Sustainable Clinical Services

Overview

- What is planetary health
- VCH goals and areas of action
- Sustainable Clinical Services and priority areas of work
- Engagement opportunities

First, Do No Harm



Dimensions of Quality



**HEALTH QUALITY
MATRIX**

DIMENSIONS OF QUALITY						
RESPECT Honouring a person's choices, needs and values	SAFETY Avoiding harm and fostering security	ACCESSIBILITY Ease with which health and wellness services are reached	APPROPRIATENESS Care that is specific to a person's or community's context	EFFECTIVENESS Care that is known to achieve intended outcomes	EQUITY Fair distribution of services and benefits according to population need	EFFICIENCY Optimal and sustainable use of resources to yield maximum value
INDIVIDUAL PERSPECTIVE					SYSTEM PERSPECTIVE	

- Avoidance of patient harms
- Fostering security and trust
- Avoidance of environmental harms

Framework for Planetary Healthcare



Planetary Health at VCH

Goals



Goal 1

VCH is a zero unnecessary waste and net zero emissions health system

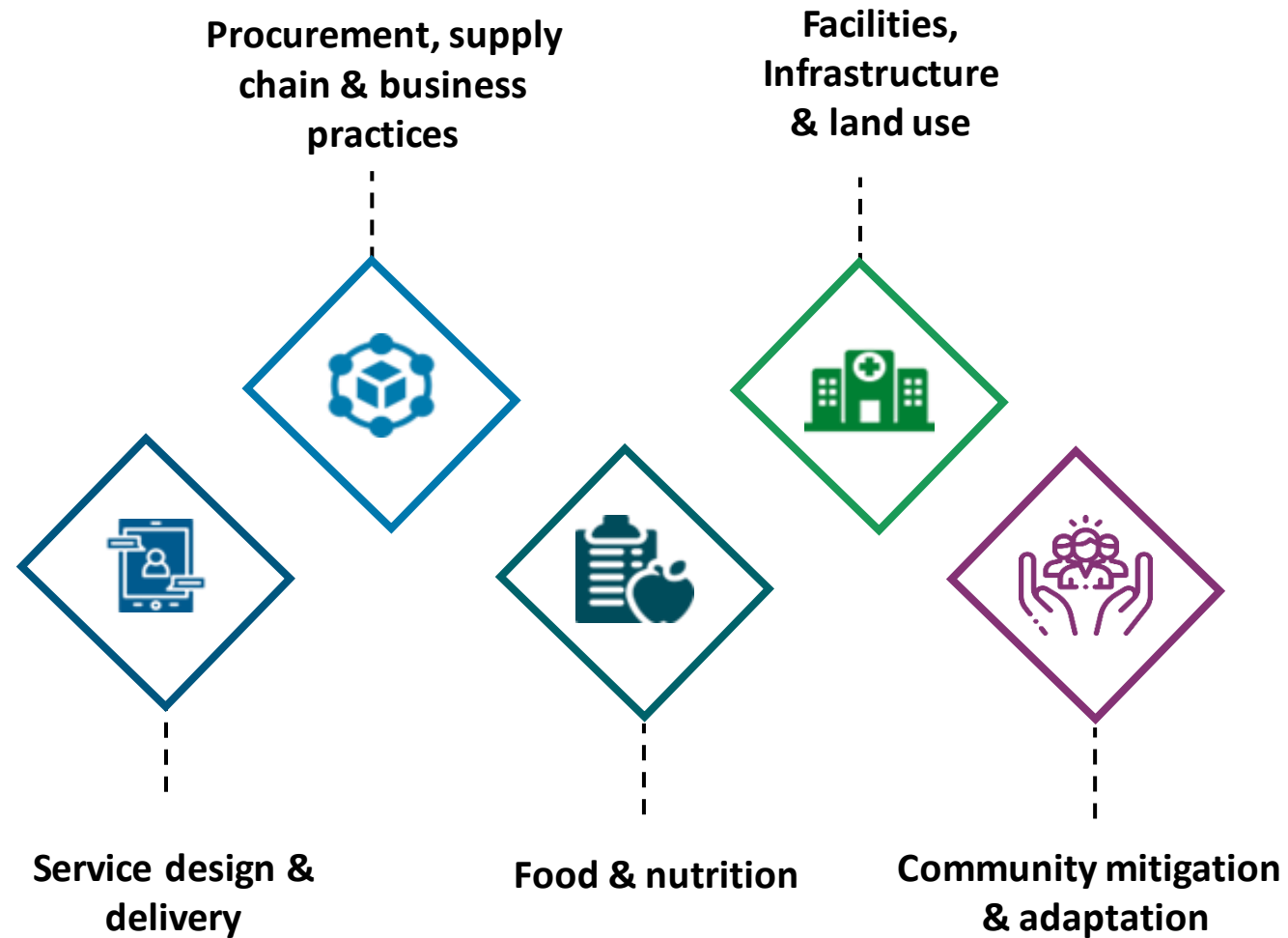
Goal 2

VCH is climate resilient, able to withstand impacts of acute climate shocks and chronic stressors

Goal 3

VCH communities are supported as they mitigate climate change and adapt to climate change impacts

Areas of Action



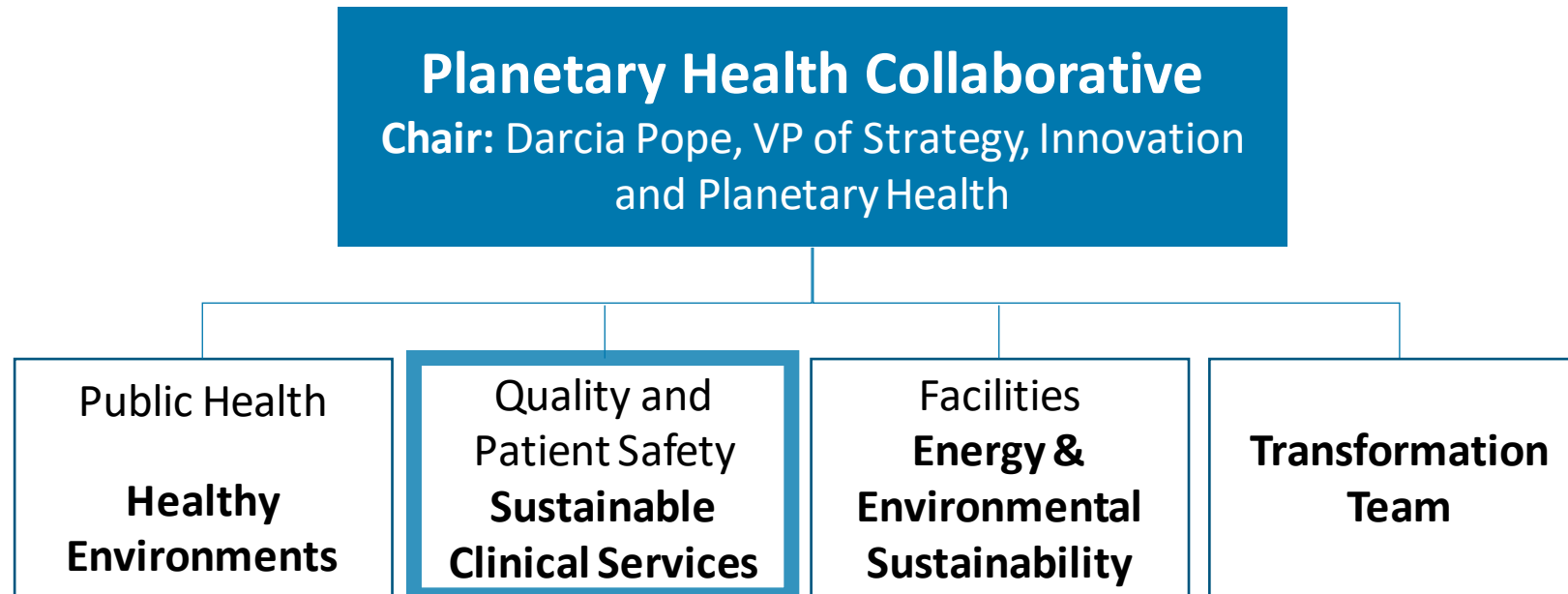
Communications & Engagement

Partnerships

Research & Innovation

Sustainable Clinical Services

Planetary Health at VCH



Sustainable Clinical Services



**Interim VP,
Quality and
Patient Safety**
Matthew Kwok



**Regional Medical
Director,
Planetary Health**
Andrea MacNeill



Regional Lead
Colin Chan



Project Manager
Neha Gadhari



Admin Analyst
Sreya Ambrose

Sustainable Clinical Services – Priority Work

Sustainable Quality Care Commitment



Embed sustainability commitments into Quality Care framework, metrics and accountability, and embed in portfolio

Low Carbon Care – Clinical Service Redesign



Research and implement care models that support improved patient experience and outcomes, and reduce environmental impact

Low Carbon Care – Circular Health Care



Reduce material resource use and shift to reusables where appropriate

Sustainable Clinical Services – Priority Work

Sustainable Quality Care Commitment



- Integrate and align with priority IPAC initiatives
- Integrate into Quality Improvement programs

Low Carbon Care – Clinical Service Redesign



- Develop and implement a planetary health diet for inpatients
- Reducing emissions from anesthetic gases
- Optimize perioperative patient warming

Low Carbon Care – Circular Health Care



- Develop a reusables first policy
- Implement surgical instrument optimization across VCH

Physician-led Quality Improvement



Integrating planetary health training and coaching into current and future cohorts.



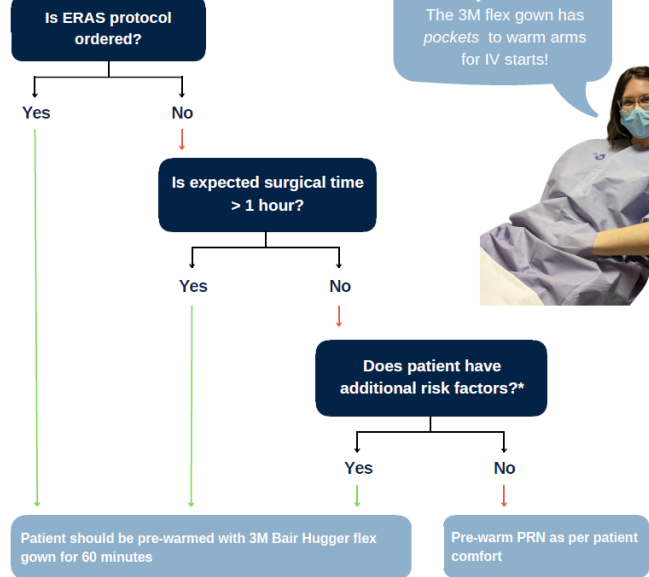
Perioperative Patient Warming



CRITERIA FOR PATIENT PRE-WARMING

Decision Support Tool for Maintaining Normothermia in the Pre-Operative Area

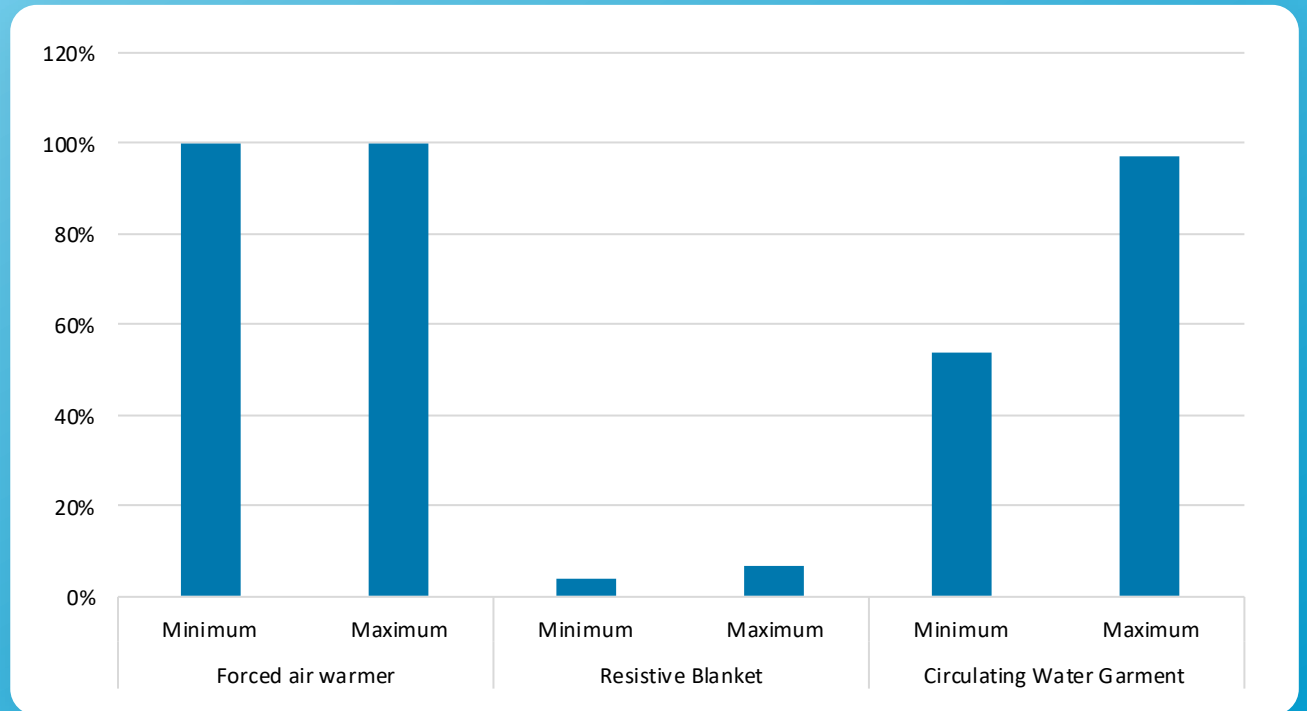
Patient arrival to pre-operative area



*ADDITIONAL RISK FACTORS TO CONSIDER

- Hypothermia in pre-operative area
- Undergoing combined general and regional anesthesia
- Undergoing chest (including breast surgery) or abdominal surgery
- Co-morbidities: BMI <19, coronary artery disease, hypertension, dyslipidemia, diabetes, age >60

Designed by Patricia Balmes



Planetary Health Inpatient Menu

Food as medicine

Transforming hospital food systems for improved patient care and planetary health



Anesthesia Emissions

- Regional anesthesia program expansion
- Moving away from nitrous piping systems at VCH sites



Surgical Instrument Optimization

Benefits

- Free up Medical Device Reprocessing Department capacity
- Energy and resource savings
- Cost savings
- Reduced packaging and disposable waste
- Expanded lifespan of reusable instruments





CASCADDES

CREATING A SUSTAINABLE HEALTHCARE SYSTEM IN A CLIMATE CRISIS



The Canadian Coalition
for Green Health Care
Coalition canadienne pour
un système de santé écologie

Funder: Environment & Climate Change Canada

Grant: Community Engagement for Climate Action and Awareness

Term: April 1, 2021 – March 31, 2026

Amount: \$6M



<https://cascadescanada.ca/resources/>

CASCADES Playbooks

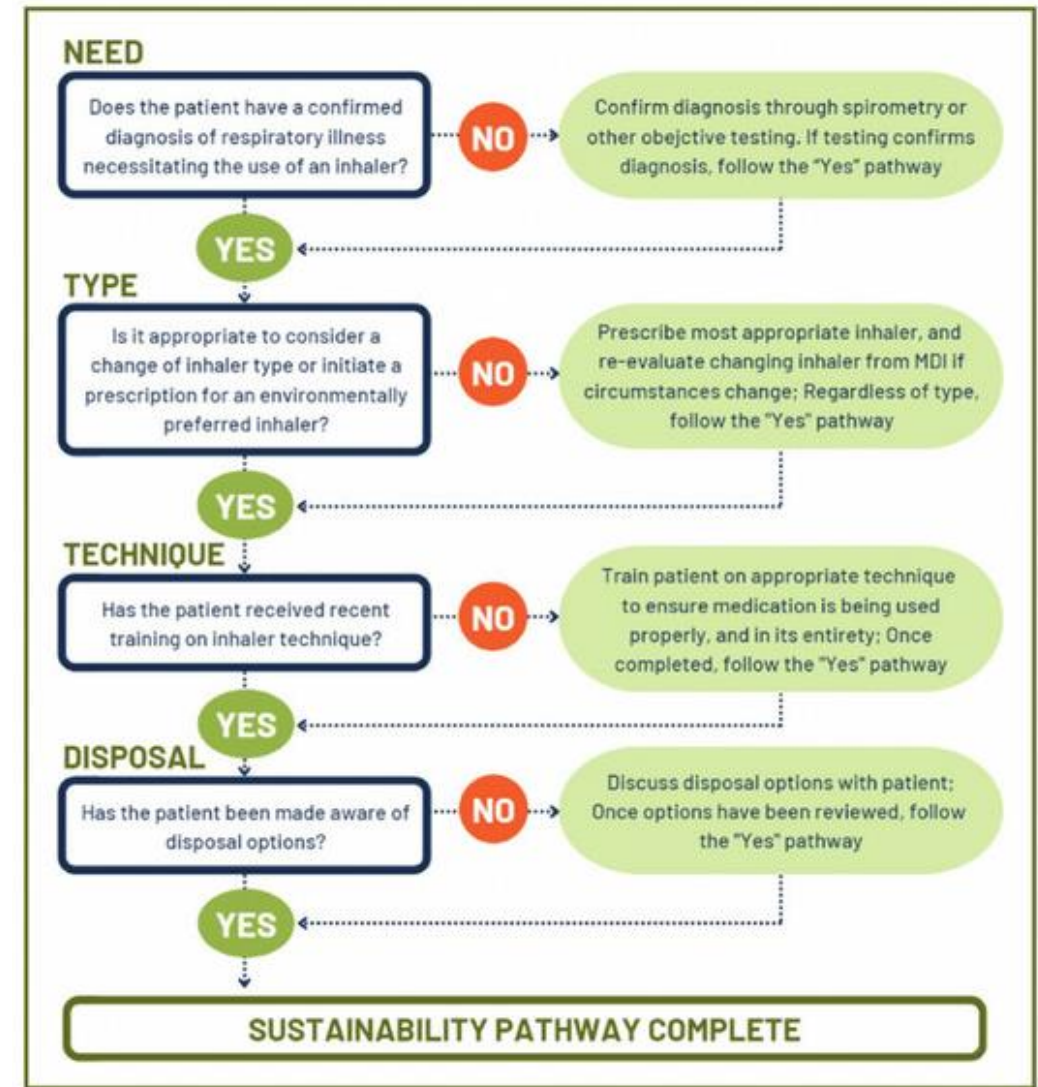
SUSTAINABLE PERIOPERATIVE CARE

Why • The Case for Change
 What • The Tools for Change
 How • The Strategy for Change



This project was undertaken with the financial support of the Government of Canada.
 Ce projet a été réalisé avec l'appui financier du gouvernement du Canada.

Canada



Broader Engagement



Funding Opportunities

- [Physician Quality Improvement](#)
- [Boehringer Ingelheim/VGH-UBC Hospital Foundation partnership](#)
- [VPSA Funding programs](#)
- [CASCADES Innovation RFP](#)



Ways To Get Involved

- [Green+ Leaders](#)
- [Health Quality BC Low-Carbon, High Quality Care collaborative](#)
- [VPSA Planetary Health Committee](#)

Thank you!

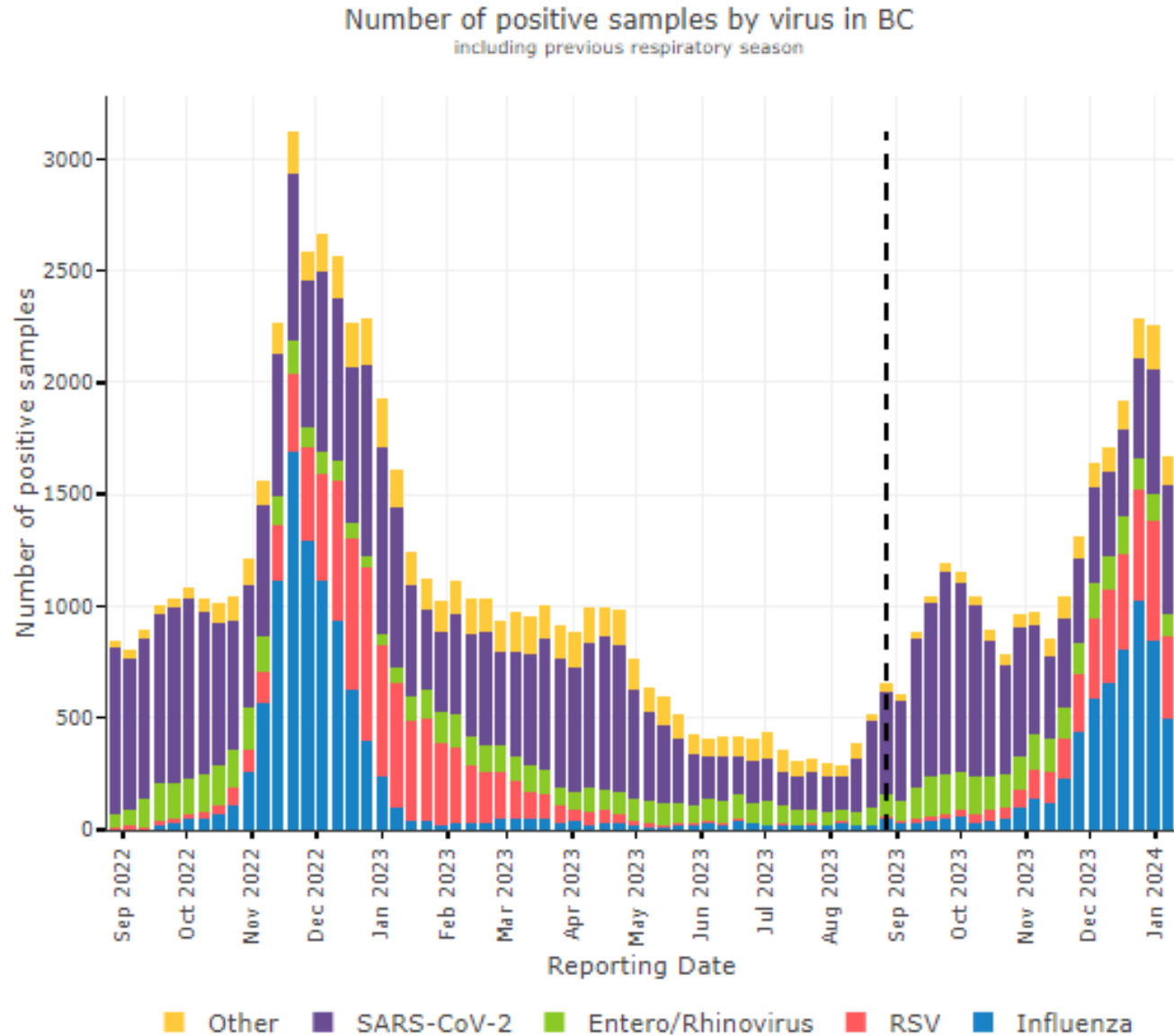
Registrant Questions

1. Why do VCH facilities still provide disposable masks? What is being developed for better recycling of PPE, especially gloves and masks?
2. How should we approach Global Health in the context of Planetary Health at VCH?
3. Do you have data on hydrofluoroalkane and chlorofluorocarbons (HFA/CFC) in inhalers and their influence on greenhouse gas in BC and in Canada?

Public Health Updates

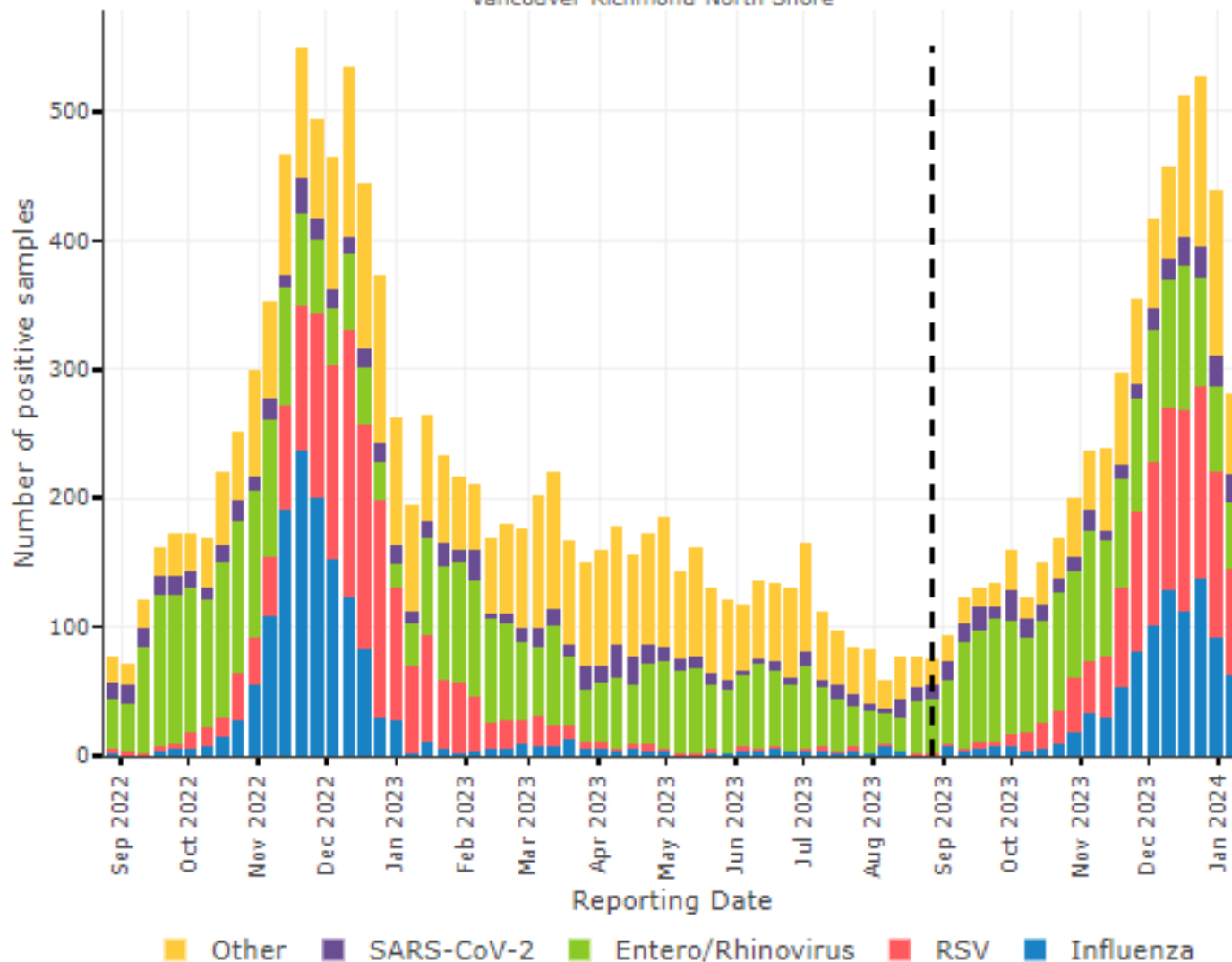
Dr. Patricia Daly, Chief Medical Health Officer

Respiratory Virus Update



Histogram represents positive samples detected per epi-week
"Other" includes parainfluenza, adenovirus, human metapneumovirus (HMPV), and seasonal coronaviruses
Dashed line indicates the end of 2022/23 respiratory season

Number of positive samples by virus among children
including previous respiratory season
Vancouver-Richmond-North Shore*



Histogram represents positive samples detected per epi-week

"Other" includes parainfluenza, adenovirus, human metapneumovirus (HMPV), and seasonal coronaviruses

Dashed line indicates the end of 2022/23 respiratory season

**Includes Vancouver Coastal, Providence Health, and PHSA (VPP) testing sites*

Source: BCCDC

British Columbia

3rd child dies of flu-related causes in B.C. as cases continue to rise

B.C. Centre for Disease Control says influenza and RSV cases are on the rise

The Canadian Press · Posted: Jan 04, 2024 5:07 PM PST | Last Updated: January 4



B.C. Children's Hospital emergency department in Vancouver, pictured on Dec. 5, 2022. The B.C. Centre for Disease Control says it received three reports of influenza-related deaths in children aged under 10 during the final week of 2023. (Ben Nelms/CBC)

Increase in Invasive group A streptococcal infections in BC

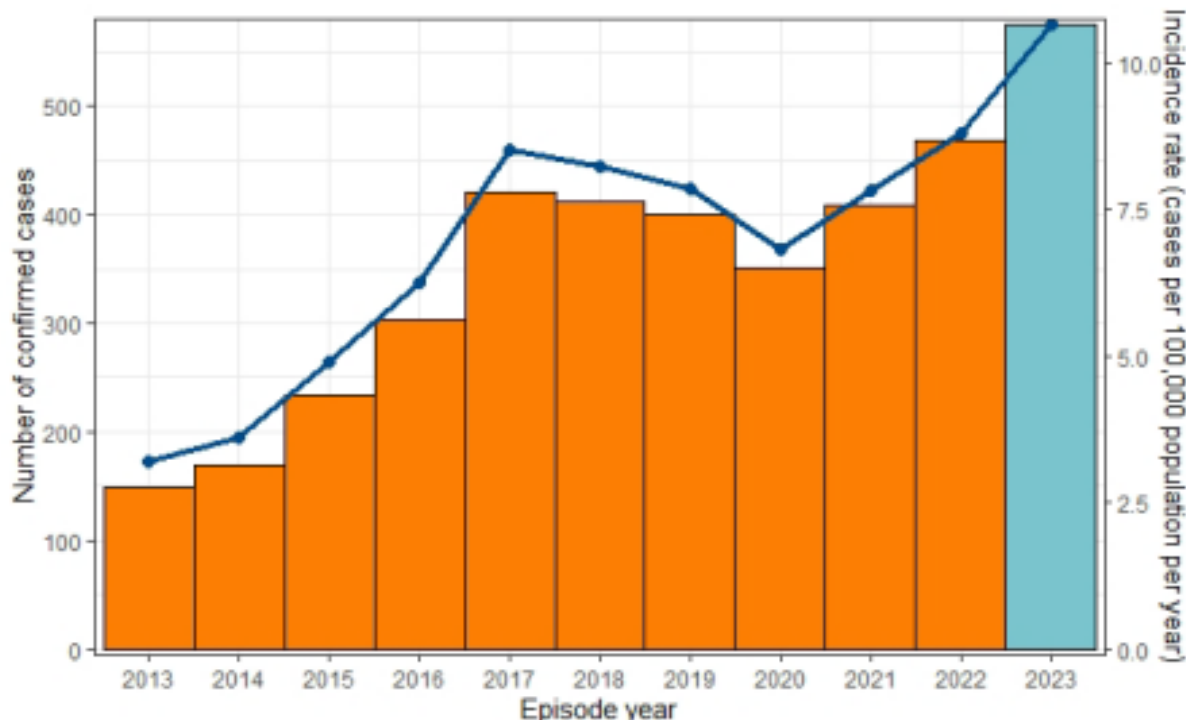


Figure 1. Invasive group A streptococcal disease cases and annual incidence rates by year, British Columbia, January 1, 2013 to December 31, 2022; predicted annual incidence (cases and rate) for 2023 adjusted for seasonality shown in blue.

B.C. CDC warns of high levels of invasive strep infections in kids

The agency reports 51 cases of streptococcal infections in B.C. residents under 20 this season, twice as many as normal.

Tiffany Crawford

Published Dec 22, 2023 • Last updated Dec 29, 2023 • 2 minute read

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Vancouver Sun



File photo of a sick child. Getty Images. PHOTO BY SUZI MEDIA PRODUCTION /Getty Images/iStockphoto

Increase in invasive group A streptococcal infections in children

- *S. pyogenes* typically causes mild illness (e.g. pharyngitis, cellulitis)
- Severe complications: Sepsis, pneumonia, necrotizing fasciitis, toxic shock
 - Those under 5 years of age or over 60 years of age at higher risk
- Difficult to differentiate iGAS infections from viral illness in children; can progress rapidly
- Presentations to watch for:
 - Fever for ≥ 5 days in child of any age; any fever in child < 3 months old
 - Sandpaper rash, strawberry tongue
 - Respiratory distress, difficulty waking, rapid progression
- Testing not recommended for mild cases consistent with viral illness
- Prevention: Influenza and COVID-19 vaccination
- <https://www.vch.ca/en/staff-hub/physicians-and-nurse-practitioners-update>

Homelessness Increasing

- **4,821** homeless in Metro Vancouver (point-in-time count on March 7, 2023)
- **32% ↑** since 2020
- 50% (2,420) in Vancouver
- 33% Indigenous
 - 64% lived or have generational experience with residential schools
- Health conditions:
 - 45% have a medical condition
 - 49% mental health issues
 - 63% addictions
- Recent issue: Increase in refugees in Vancouver shelters (Est: 200-275)



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

Province Wide Extended Cold

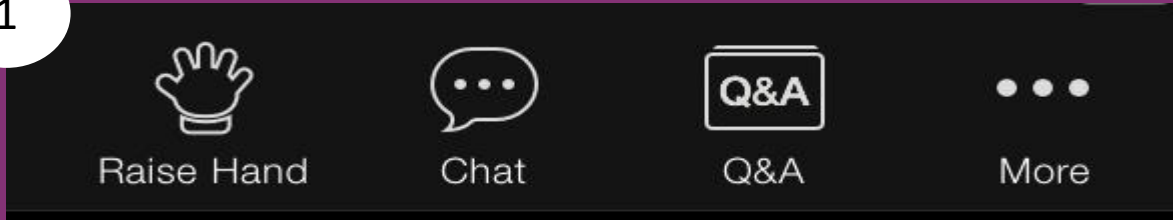
Event Duration: Thursday January 11th to Tuesday January 16th

Thank you!

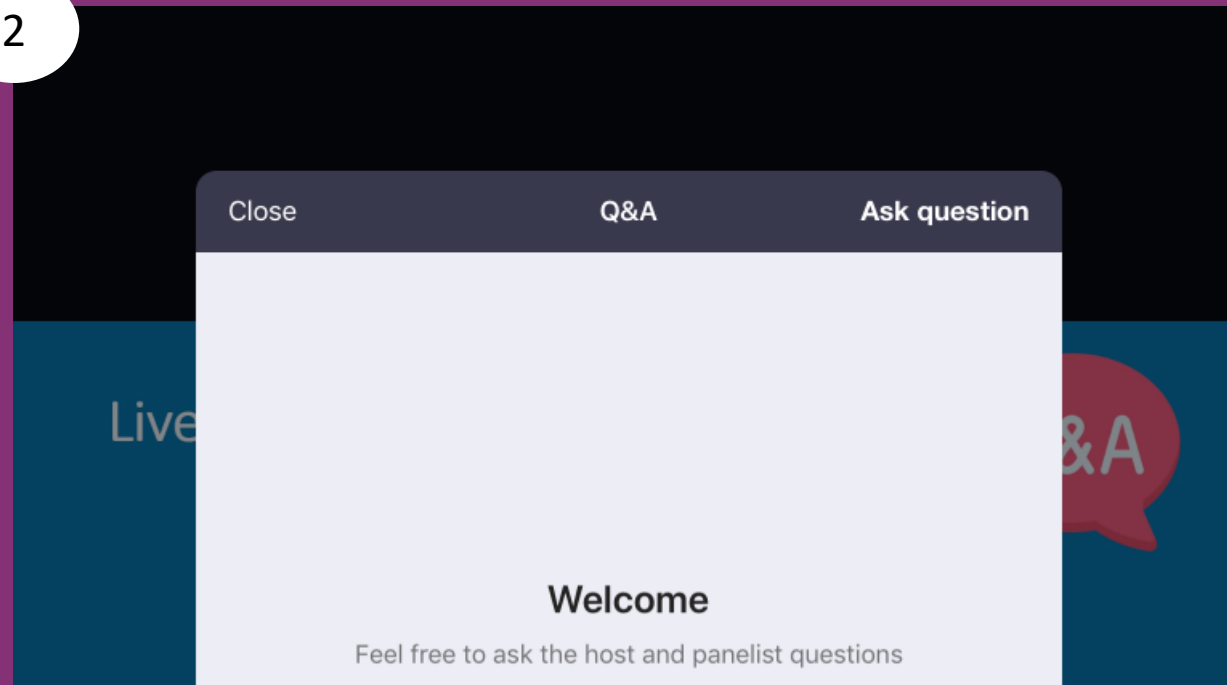
Live Q&A – Use Zoom Q&A



1



2



MAiD and MHSU

Foundational Education for Medical Staff

Please choose one of the following education sessions to attend. Sessions are delivered via existing Rounds platforms across CoCs and the content is the same across all. Sessions are open to any Vancouver Coastal Health MHSU or Primary Care Medical Staff.



SAGE Grand Rounds

February 7th from 12:00 p.m. to 1:00 p.m.



Richmond Psychiatry Grand Rounds

February 21st from 8:30 a.m. to 9:30 a.m.

Wellness Supports For VCH Medical Staff

Telus Health EFAP

Physicians can access the [Physician Health Program \(PHP\)](#)

Dentists can access the [Dentist Wellness Program](#)

For more information, visit [oneVCH Wellness](#)



Reach out for confidential & immediate support for you and your family.

Telus Health Digital Platform

Offers wellness resources, self-directed CareNow programs, and exclusive perks and offers:

<https://vchmedical.lifeworks.com>

Team Critical Incident and Cumulative Stress Debriefings

Debriefings for teams experiencing prolonged or cumulative stress, a critical incident, or a traumatic event.

Leaders can request a team debriefing by calling **1-833-533-1577**

Next Virtual Medical Staff Forum

April 3rd, 2024

Register here: <https://bit.ly/3HqIQXw>
Email michigan.lee@vch.ca with
suggestions and questions

Please take 2-min to give us **anonymous
feedback** once the webinar ends

