Temerty Medicine

APRIL 2021

Health in a Changing Climate

Symposium Report

Scientific Committee

Kimberly Wintemute
Alan Abelsohn
Eileen Nicolle
Tomislav Svoboda
Michael Benusic
Antonia Sappong
Colin Sue-Chue Lam
Nicholas Wang
Shima Shakory
Deborah Kopanski-Giles
Samantha Green
Edward Xie | Committee Chair





REFLECTION ON OUR GOALS

Land Acknowledgement

This virtual event was hosted at the University of Toronto Department of Family and Community Medicine (DFCM) on land that has been the traditional territory of many nations, including the Huron-Wendat, Anishinaabe, and the Mississaugas of the Credit.

This meeting place is still the home to many Indigenous people from across Turtle Island. We remain grateful to have the opportunity to work on this land.

Our program focused on climate change but we were also attentive to immense problems of air pollution, soil degradation, environmental displacement and access to clean water.

While we discussed action for a healthier future, we also acknowledged that, on the day of the symposium, 39 Indigenous communities in Canada still did not have safe drinking water. While many people call this place home, about 1 in 6 people experiencing homelessness in Toronto identify as Indigenous.

Over the course of the symposium, we reflected on these questions adapted from Dr. Dylan Robinson of Queen's University:

- 1. Do we know the colonial history of the discipline we work in?
- 2. Do the ways in which our discipline perpetuates heteronormative / settler colonial / anti-BIPOC values impact our lives or the lives of our patients?
- 3. What ground are we occupying, and inviting others to occupy?

DFCM TEAM

This event would not have been possible without the dedicated efforts of DFCM staff and faculty:

David Tannenbaum

DFCM Interim Chair

Katherine Rouleau

Vice-Chair, Global Health and Social Accountability

Viola Antao

Director, Faculty Development

Jessie Chen

Program Assistant, Global Health and Social Accountability

Megan Parry

Program Coordinator, Global Health and Social Accountability

Brian Da Silva

eLearning Design Analyst

Amy Noise

Communications Strategist

Alicia Fung

Communications Assistant

SYMPOSIUM SPEAKERS



KEYNOTE: Planetary Health and a Healthy Recovery from COVID-19

Dr. Courtney Howard

Past-President, Canadian Association of Physicians for the Environment

Framework for planetary health

Action alleviates anxiety

Our job is to recommend co-benefits

>

watch the

PANEL 1: Making the Links

Dr. Deborah McGregor

Canada Research Chair, Indigenous Environmental Justice

Indigenous peoples were complete societies

Addressing justice in solutions

Connecting the dots, naming the problem

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"Indigenous peoples were complete societies with their own knowledge systems and laws for thousands of years"

SYMPOSIUM SPEAKERS

PANEL 1: Making the Links



Maya Menezes

Program Director at climate justice organization, The Leap

Environmental justice

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Care work as a climate solution

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Role of doctors in making change

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Dr. Alice McGushin

Programme Manager, The Lancet Countdown

Health effects of climate change

Building back from COVID-19

Opportunity to set goals for climate action

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Dr. Claudel P-Desrosiers

Chair, Québec Association of Physicians for the Environment

Advocating as trainees

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Highlights of the Lancet Countdown

2020 Lancet Countdown Policy Brief

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SYMPOSIUM SPEAKERS

PANEL 2: Knowledge to Action



Dr. Terry Kemple

RCGP National Representative for Sustainability, Climate Change and Green Issues

UK progress on sustainable healthcare

RCGP Green Impact toolkit

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What can general practitioners do?

D

Dr. Aimée Bouka

Vice-Chair, Section of Residents, College of Family Physicians of Canada

Guide to improving family medicine training

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Inequalities and healthcare

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Equitable world as motivation







Dr. Fiona A. Miller

Founding Director, Centre for Sustainable Health Systems, UofT

Sustainable health systems

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Where healthcare can make an impact

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Integrating care with communities

BREAKOUT GROUPS

"It was inspiring to meet other physicians and people who are involved in this."

Peter Sakuls, conference facilitator

At the end of our symposium, we asked our participants to discuss 9 major topics for improving the health of our communities in a changing climate. We had 17 facilitators guide the discussions with expertise in family medicine, education, ecological health, patient and family engagement, global health, quality improvement, social accountability, emergency medicine and advocacy.

Thank you to all of our facilitators from a variety of professions and disciplines:

- KitShan Lee | Facilitator Lead
- Yasmeen Razvi
- Peter Sakuls
- Anna Cooper Reed
- Victoria Haldane
- Mia Kibel
- Matthew Teper
- Shinthujah Arulanantham
- Kara Hounsell
- Eleanor Colledge
- Brent Elsey
- Kabisha Velauthapillai
- Sarah Levitt
- Leah Bennett
- Daniel Rosenbaum
- MaryEllen Ruddell
- Shelby Olesovsky

KEY THEMES & CHANGE IDEAS

"For all of these initiatives, it's so important to have an interprofessional perspective."

Kara Hounsell, conference facilitator

15 breakout groups discussed 9 key topics of interest and ideas for change

Clinical



Key Themes: Education on green practices - optimize care in the community to avoid unnecessary healthcare use

Change Ideas: Sustainability in measures of health system outcomes - collaboration among patients and providers - virtual care when appropriate

Advocacy



Key Themes: Reducing carbon footprint, e.g. switching to greener inhalers, cutting food waste - virtual care when appropriate - addressing mental health **Change Ideas**: Share and spread knowledge (micro) - divest from fossil fuels (meso) - use examples from other places to support policy changes here (macro)

Diet



Key Themes: Improving food culture - overconsumption - influence of industry on dietary patterns and guidelines

Change Ideas: Education during periodic health exam - promotion of plant-based diets - recognize different diet choices

KEY THEMES & CHANGE IDEAS



Education

Key Themes: Rapid adoption of emerging evidence - balance of theory and practice-based solutions - breaking barriers between disciplines **Change Ideas**: Learning embedded and integrated across phases of education and careers - recognition of urgency - codesign between teachers and learners



Mental Health

Key Themes: Tools and strategies needed to engage people in discussions that address ecological anxiety about environmental damage and climate change **Change Ideas**: Channel anxiety into advocacy and action



QI & Research

Key Themes: Virtual care expansion - legislative mandate for change - green QI **Change Ideas**: Menu or database of options for conducting QI initiatives



Social Accountability

Key Themes: Links between climate justice and health inequities - identify individuals who will be at higher risk from climate change

Change Ideas: Incorporating underrepresented perspectives - inclusive of people with lived experience - emphasis on co-benefits



Green Office

Key Themes: Improving food culture - overconsumption - influence of industry on dietary patterns and guidelines

Change Ideas: Education for patients and providers - promotion of plant-based diets - recognize different diet choices



Transport

Key Themes: Different modes of travel based on geography and needs **Change Ideas**: Advocacy for cycling and active transport

GREEN IDEAS

Sustainable Primary Care Innovations

watch the videos

INHALER SUSTAINABLE QI

Kimberly Wintemute

 Pull strategies: contests, promos, online marketing, telemarketing, word of mouth, referral programs, commercials, billboards, radio advertisements

GREEN TEAM

Eileen Nicolle and Sumac Creek Health Centre

- Reorganized clinic plus staff education to vastly reduce biohazard waste
- Remove unnecessary exam table paper to reduce waste and improve cleaning

GREEN OFFICE INITIATIVE

Meghan Davis and the Hamilton FHT

- Green Office Initiative to decrease their water, energy, emissions, toxin use and waste
- 165+ family physicians and 300 healthcare professionals working in teams in over 90 locations



PROJECT GREEN HEALTHCARE

CFMS Health & Environment Team

- Student teams partnered with local mentors from interdisciplinary backgrounds
- First-of-its-kind national community of practice empowering Canadian medical students to lead green change within our healthcare systems

MINI-COURSE ON SUSTAINABILITY

Emma McDermott and Gillian Ritcey, Dalhousie

 Delivered the university's first interprofessional mini-course focused on the creation of sustainable health systems in a climate crisis







NEXT STEPS for 2021

PARTICIPANT FEEDBACK HIGHLIGHTS

86% I Will use the learned in my practice I will use the information I

96%

I would like to learn more about environmental determinants of health

Top 3 practice changes

- 1. Sustainable QI initiatives
- 2. Engaging patients in discussion
- 3. Rx inhalers with lower carbon footprints

We were delighted to have so many DFCM staff, faculty, and learners join us for the symposium. Our team also learned a great deal about interests for future topics and new initiatives sprouting up from DFCM sites.

We will be working hard with the DFCM Climate Change & Health Community of Practice to make more educational and professional development resources available, including Quality Improvement ideas and Green Office toolkits.



EARTH DAY 2021



What is one thing I can do today to fight climate change?

Did you know that there's a huge difference in the climate impact of inhalers?

The hydrofluorocarbon (HFC) propellant in metered-dose inhalers (MDI) is a potent greenhouse gas: 100 doses from an MDI is equivalent to a 290 km journey by car.

Fortunately, we have more sustainable alternatives: the carbon footprint of dry powder inhalers (DPI) is 30 times smaller than MDIs.

Consider making the switch at your patient's next Rx renewal.

You can cut greenhouse gases from inhalers by 97% simply by switching from metered-dose to dry powder inhalers.



Health care systems can curb MDI-related HFC emissions implementing the following strategies

The carbon footprint of MDIs is much higher than that of other inhaler of wices such as do prowder inhales (DPI), enbullers, and aqueous mist inhales. Opting for these alternative treatment options, when appropriate, can hip reduce the carbon footprint of inhalers (though all of these options haw environmental impacts).

CARBON FOOTPRINTS

Seventa Emobiler MDI: Ventralin Accadular DPI Reports 50th Max Electric Nahum 2341g COp.** 7.31g COp.** 0.05 to Co.**

WHOM MDIs ARE NECESSARY...

Choose smaller volume relievers.

Soull colume relievers.

Soull colume relievers.

Check out the infographic



Get the poster



