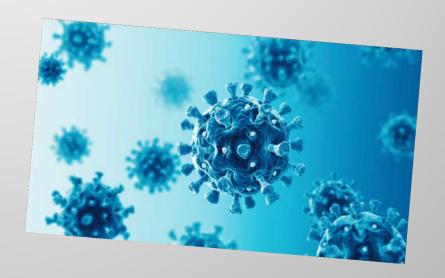


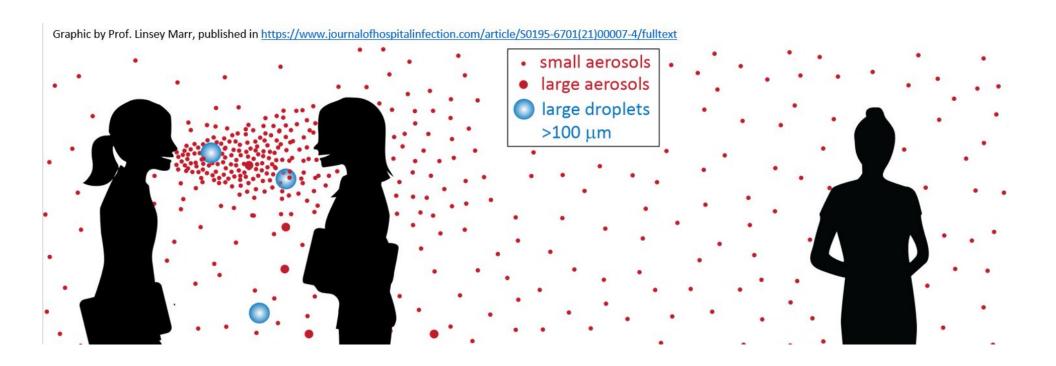
Protecting Workers in the Pandemic MFL Occupational Health Centre December 14, 2021

Marianne Levitsky

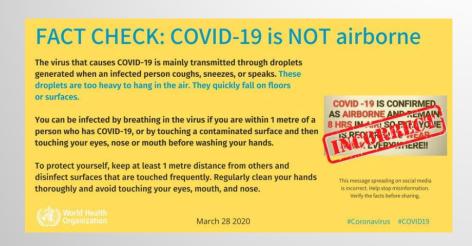
The Aerosol Transmission Coalition



Basics of Aerosol Transmission



Aerosol Transmission and the failure of public health messaging - since beginning of the pandemic



239 Experts With One Big Claim: The Coronavirus Is Airborne July 2020



A message from Dr Kevin Hedges

Leave a Comment / General / By Paracelsus

On April 11, 2020, I wrote to the Honourable Patty Hajdu Minister of Health, Government of Canada and Dr. Theresa Tam Chief Public Health Officer, Public Health Agency of Canada on behalf of the WHWB board. I thanked both, on behalf of the board, for the leadership they have provided to combat COVID-19 in Canada. On behalf of the board, I also expressed concern about messaging from



the World Health Organisation (WHO), and subsequent messaging from Canadian officials, especially as it impacts frontline healthcare workers around the world.

Our coalition came together in December 2020

- People from different disciplines and groups concerned about aerosol transmission
- Joined forces to increase impact
- · Meeting virtually almost weekly
- Wanted to apply lessons learned from SARS 1 and Campbell report

 including precautionary principle
- Feared aerosol transmission and workers would be ignored again



Our multidisciplinary membership



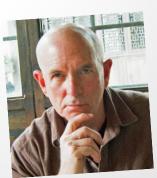
Engineering: Stéphane Bilodeau



Respiratory protection: Simon Smith



OHS regulation and enforcement: **Alec Farquhar**



Lawrence Svirchev



Dorothy Wigmore

Christine Shea



Physics: Nancy Delagrave

Physicians:



Jennifer McDonald



Sarah Addleman



Microbiology:

Raymond Tellier

Marianne Levitsky



Kevin Hedges



John Oudyk



Val Wolfe

Organizations linked to the coalition include



CANADIAN REGISTRATION BOARD OF OCCUPATIONAL HYGIENISTS CONSEIL CANADIEN D'AGRÉMENT DES HYGIÉNISTES DU TRAVAIL











Centres de santé des travailleurs (ses) de l'Ontario Inc.

Our work has included



First letter (January 4, 2021)

There is still time to address aerosol transmission of COVID-19

Dear Dr. Theresa Tam, Hon. Patty Hajdu, Premiers and Medical Offi

We are a group of physicians, scientists, occupational health and safe we are a group or physiciams, scienistis, occupational nearth and safe professionals who have been following the COVID-19 developments by the recent increase in cases and hospitalizations across Canada, V COVID-19 guidelines, workplace regulations and public communicat spreads through inhaled aerosols.

In July of 2020, 239 international scientists brought this issue to the of their letter, some progress has been made gaining recognition

Second letter (February 19, 2021)

LA TRANSMISSION PAR AÉROSOLS FRANCAIS LE

Cliquez ICI pour lire et télécharger la lettre.



Le 19 février 2021

La science est claire : les mesures de protection doivent intégrer la transmission par aérosols du virus, comme nous l'avions dit en janvier.

 $D^{\circ\circ}$ Theresa Tam, Honorable Patty Hajdu, Mesdames et Messieurs les premiers ministres et responsables de la santé publique,

La présente lettre se veut un rappel de celle qui vous avait été adressée, maintenant par plus de 640 spécialistes canadiens et d'autres pays le 4 janvier 2021. Dans cette lettre, nous demandions aux gouvernements fédéral et provinciaux comme aux agences de la santé publique d'adopter des mesures n par aérosols du SRAS-CoV2, notamment

For immediate release

There's no excuse left. We need new, stronger measures to deal with COVID-19's airborne transmission

TORONTO - April 16, 2021 - Lives are at stake. Things will not improve until governments and public health officials accept that the SARS-CoV2 virus is airborne. The clear science about this can't be ignored or denied any longer. Only new and effective measures based on airborne transmission of all variants will protect essential workers and the rest of us.

That's the message from a Canadian coalition of organizations representing hundreds of scientists, occupational health specialists, engineers, physicians, nurses and others. They added their voices today to the growing chorus delivering similar messages, as new variants of the SARS-CoV2 virus take frightening tolls in many parts of the country.

puis l'apparition de variants plus ibuer au moins une très grave éclosion gue durée ontarien, ainsi qu'en ce moment on de la viande de Toronto et d'autres a lenteur du processus de vaccination

> **Press release** April 16, 2021)



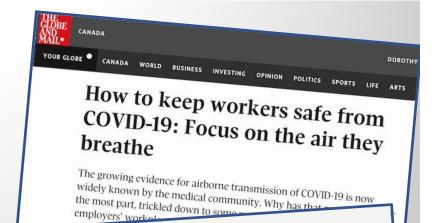


Ongoing media coverage









CONTRIBUTORS

Canada's culture of silence on airborne virus transmission leaves many confused on how to best avoid infection

Canada's top public health organization, the Public Health Agency of Canada (PHAC), has produced strong, unbiased summaries of the evidence for airborne transmission. There have been three, each one with stronger language supported by the evidence. The March 2021 version is 60 pages long and covers 84 different primary studies, the vast majority supporting airborne transmission.

But these summaries are very hard to find. They are not posted publicly, and PHAC has specifically requested that the reviews not be shared. In order to receive a copy, you first have to discover its existence, find the title and email PHAC for a

Canadian authorities were airborne hesitant, ignoring lessons and science, rejecting precautionary principle

The Canadian Response - A Search for Certainty



- "A tempest in a teapot."
- The letter was "trying to foment a bit of
- we've heard throughout February, March, April up until now. I'm not quite sure what the fuss i all about."
- "The epidemiology of the disease tells us [the airborne route] is not a major contributor to transmission of the virus around the world."
 - "We have epidemiological real-world experience."

Mario Possamai presentation.OHCOW April 2021

https://www.youtube.com/watch?v=Zy5HZ uixC2w

controversy" "We're just rehashing the same arguments that The Canadian Response - "resulted in confusion and fear"

" ... the authors draw premature conclusions about the importance of airborne transmission.

This has resulted in confusion and fear in the general public, mistrust in healthcare workers, and a risk of a deepening divide between experimental scientists and healthcare epidemiologists."

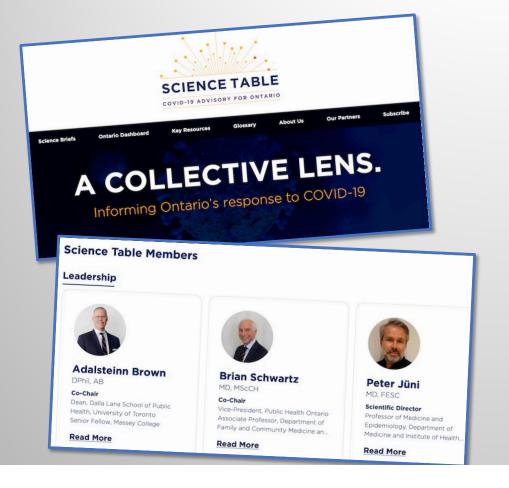
Letter to Clinical Infectious Diseases, August 11, 2020

This article adds fuel to fire."

"Promoting unfounded conspiracy theories is irresponsible and a serious risk to public health. They fuel unnecessary health-care worker fear and destabilize health-care institutions by creating mistrust."

Letter to Toronto Star, May 2020, by Canadian ID doctors critical of article advocating precautionary principle and taking airborne risks seriously

Other advocacy efforts





A McMaster University study examining whether surgical masks provide health-care workers with similar protection to N95 respirators has triggered a formal complaint alleging the lives of participants are being needlessly placed at risk.

In an April 19 letter to the federal research ethics panel, a coalition of health-care practitioners allege the study "exposes health-care workers to COVID-19 infection" by allowing them to wear surgical masks instead of N95 respirators when caring for patients.

The complaint to Canada's Secretariat on Responsible Conduct of Research (SRCR) states there is "ample research" to support the transmission of COVID-19 through aerosols that can be spread through the air and inhaled, requiring respirators as the "minimum line of safety protection for at-risk workers."

Success stories??? Authorities are giving more recognition, sometimes hesitantly, to airborne transmission



← Thread



1/5 Layering #COVID19 protections is best! Evidence on aerosol spread of the #SARSCoV2 virus shows that expelled virus particles can spread over distances and linger in fine aerosols for periods of time, much like second-hand smoke. canada.ca/en/public-heal...

12:39 PM · Nov 13, 2021 · Twitter Web App

Transmission of this virus is airborne, therefore it loves it if people are inside crowded spaces that aren't so well ventilated.

Peter Juni, head of Ontario Science Table, Toronto Star, Nov. 29, 2021

Governments funding better ventilation and air purifiers

But more work to do!

Ontario school board threatens to suspend teacher who wore respirator instead of blue surgical mask in class





Ed Tubb 🤣 @EdTubb · Aug 26

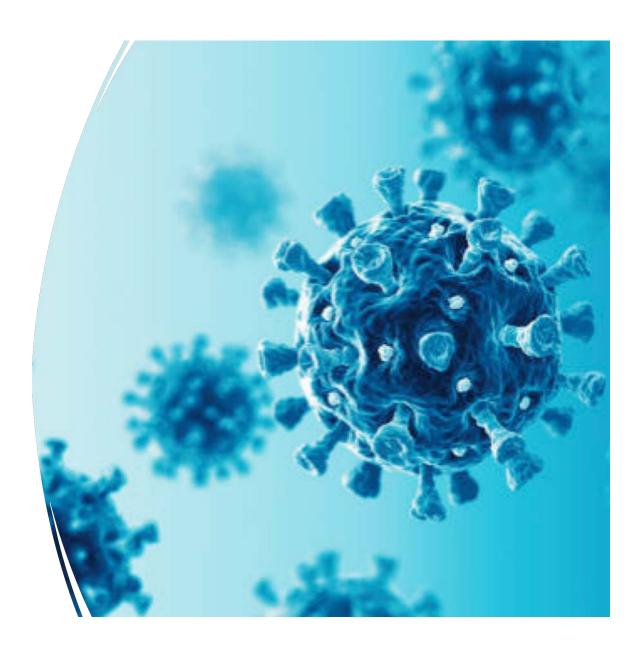
(Toronto Star Reporter)

Replying to @EdTubb

Ontario's official policy inside hospitals has been "droplet and contact" precautions, with situational exceptions, since Wave 1.

Next Steps

- Continue advocacy for airborne prevention measures
- Partnerships with more organizations
- Call for pandemic inquiry





Protecting Workers in the Pandemic MFL Occupational Health Centre December 14, 2021

Marianne Levitsky

The Aerosol Transmission Coalition

