

COMBAT COVID-19

We are in this together. To combat COVID-19, government, organizations, companies, families and individuals have come together to help respond to the global outbreak. The outpouring of solidarity throughout this crisis has been remarkable.

Vancouver Coastal Health (VCH) is leading a coordinated effort here in BC to support the prevention, detection and response to the pandemic. In a matter of months, we have raised more than \$2M through our COVID-19 Response and Research funds to support the most urgent needs of our health care teams.

COVID-19 Response

You have helped those on the frontlines by providing:

Critical equipment

Sophisticated cardiac and respiratory monitoring equipment and vital sign monitors.

Infrastructure

Fast-tracked renovations to respond to the changing environmental needs during the pandemic, enhancing safety for patients and staff. Environmental improvements include installing negative air flow to help reduce virus transmission and windows to help improve visibility.

Patient support

iPads and other technology to help isolated patients and families communicate, as well as enable virtual health more broadly across the health care system.

Rest and nourishment

Staff on the dedicated COVID-19 units are working tirelessly and ensuring they are well fed has been a top priority.



COVID-19 Research

You are supporting world-class research that is being used in diagnosis and treatments today.



Post-COVID Recovery Clinics

COVID-19 has proven it is not a short-term disease. The long-term ramifications are just starting to be understood, and new clinics have been launched to support patients in their recovery. New donor supported recovery clinics will provide an opportunity for patients to receive personalized care and allow for specialists to further understand the long-term adverse effects of COVID-19. Research is a key component supported by donors.

PPE Testing Lab

Personal Protective Equipment (PPE) supply chains were disrupted at the outset of the global pandemic, and in response, Canada's first accredited full-scale PPE testing lab was created at VGH. The lab provides quality testing of PPE through rigorous process and quality controls, assuring the safety of our health care teams and the patients they treat.



Non-Invasive COVID-19 Breath Test

This innovative approach to diagnosing COVID-19 allows for a more comfortable, non-invasive test that produces rapid results. A portable machine is able to analyze breath samples from patients, identifying compounds that indicate the presence of COVID-19. This testing approach has implications for use beyond COVID-19.

Creating an Open Source Model to Better Diagnose COVID-19

Radiologists at VGH, UBC Hospital and the Vancouver Coastal Health Research Institute are leading an international study to better predict the presence of COVID-19 based on CT scans. Taking the information from thousands of scans of COVID patients, they are creating an artificial intelligence model that will be able to predict the presence, severity and complications of COVID-19 on CT scans.



Artificial Intelligence (AI) used to identify compounds to combat COVID-19

The team at the Vancouver Prostate Centre used their AI technology to rapidly screen billions of compounds that may be used to inhibit and treat COVID-19. Their work has significantly reduced the time to analyze these compounds, allowing for faster testing of promising options in the treatment of COVID-19.





Moving Forward Together

You have helped power us as a collective to take action, accelerate research, save lives and move us to reuniting with the people we value most and activities that keep us human.

As donations continue to come in, VCH will adapt to address the evolving situation.

We are with you. Thank you for supporting your health care heroes.

VGH & UBC Hospital Foundation partners with donors to drive innovation and sustainable health care at VGH, UBC Hospital, GF Strong Rehab Centre, Vancouver Coastal Health Research Institute and Vancouver Community Health Services.

Please give: vghfoundation.ca/donate | 604 875 4676 | 1 877 875 4676

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