

COVID-19: How is UCalgary helping?



Research and Expertise

Over 65 COVID-related research projects are underway.



The UCalgary COVID Analytics and Strategic Group is analyzing Alberta Health Services data to inform response recommendations for Calgary and Alberta.

17 UCalgary-led research teams received over \$7.3 million in federal funding to mitigate COVID-19 spread.

UCalgary biomedical engineering research teams produced emergency ventilators to bolster health care capacity in a pandemic crisis.

UCalgary researchers are:

- Developing new methods to test for COVID-19, including a **hand-held biosensor for self-testing**.
- Leading a global study to **improve diagnosis and treatment for COVID-19 infected children**.
- Developing new treatment options to save lives, including a **modern-day iron lung**.

UCalgary, AHS and The City of Calgary are identifying outbreaks by **testing local water**.

The School of Public Policy is publishing papers on COVID-19 social, fiscal and environmental policy issues.

The O'Brien Institute for Public Health created a community of practice for public health researchers.

Entrepreneurship and Innovation



The Life Sciences Innovation Hub, UCalgary researchers and graduate students partnered with Exergy Solutions to develop and test “Bertie”, an emergency ventilator among the first to be approved by Health Canada.

Exergy Solutions donated 200 ventilators to AHS.

The Creative Destruction Lab is adding the new CDL Recovery: **Rapid Response Innovation Program to accelerate the world's pandemic recovery**.

Innovate Calgary is supporting firms at the Life Sciences Innovation Hub who are pivoting their businesses to produce **essential medical goods and services**.

The Hunter Hub for Entrepreneurial Thinking virtually engaged with students to consider how cities can **improve non-traditional care spaces for COVID-19 patients**.



Education and Training



The Cumming School of Medicine upskilled approximately 400 physicians to respond to COVID-19.

UCalgary added 100 spring and summer courses in response to increased demand.

Resources – Supplies and Volunteers



UCalgary will be coordinating institutional contributions for requests from external agencies for COVID-19 supplies, including reagents and PPE.

The Cumming School of Medicine recruited over 765 volunteers to help AHS with contract tracing and coordinated the Calgary zone front-line clinical duties call for MD Workforce Volunteers.

Over 100 Cumming School of Medicine students volunteered with AHS to provide childcare, pet-care and grocery pick-ups for healthcare practitioners.

Community Support



UCalgary established a Community Connection website with podcasts, articles and webinars from UCalgary experts on issues like children's learning, working from home and coping through crisis.

The Werklund School of Education coordinated online volunteer tutors for K-12 students. Over 220 pre-service teachers provided free individualized support for over 400 Alberta primary and secondary students.

Fundraising



UCalgary established two COVID-19 funds in response to the pandemic: the COVID-19 Student Relief Fund and COVID-19 Research Fund. To date, the funds have raised more than \$37,000.

UCalgary's Giving Day raised more than \$170,000 for other COVID-19-related funds, including those that advance vaccine research and health-care readiness.