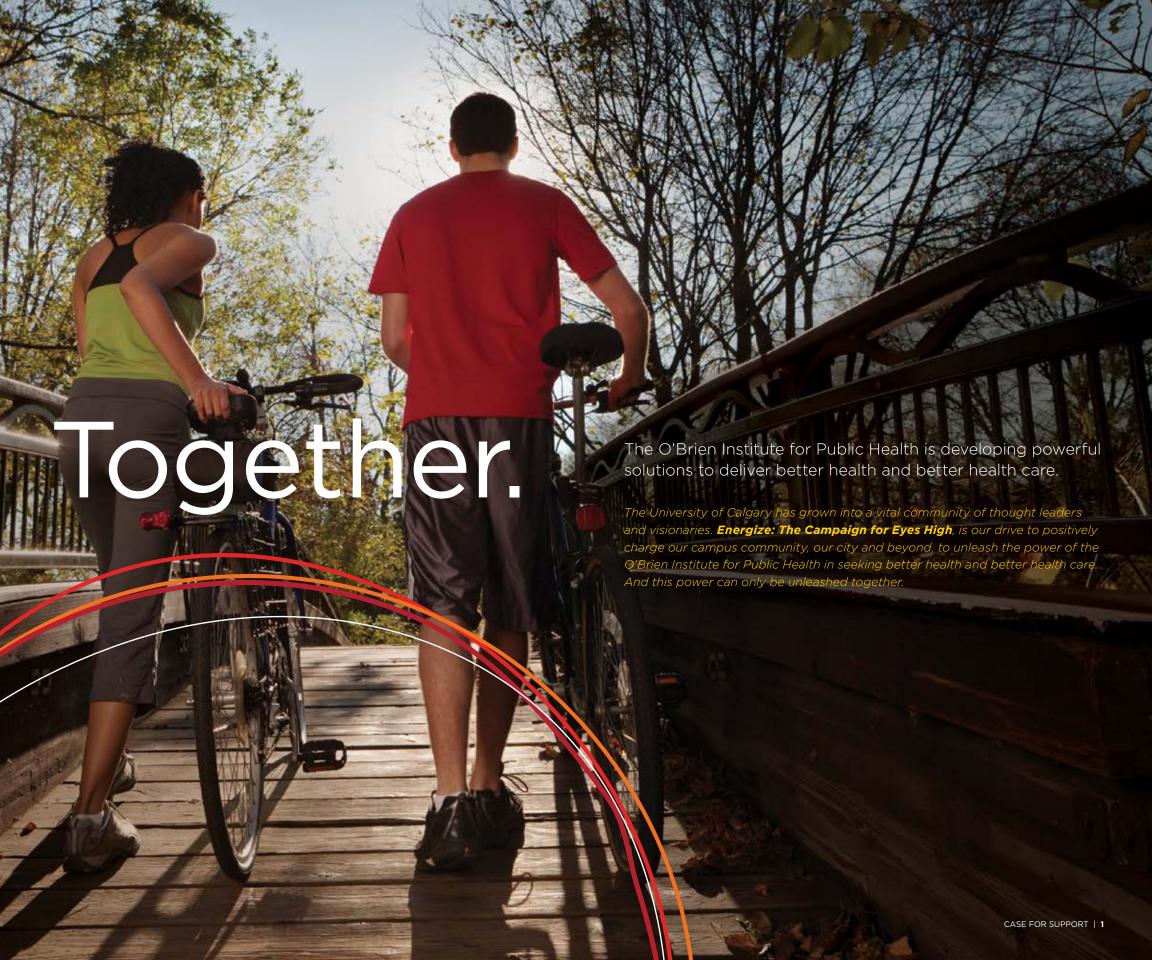


O'BRIEN INSTITUTE FOR PUBLIC HEALTH CUMMING SCHOOL OF MEDICINE

How are we solving the greatest challenges facing health?



We are taking on tough challenges to create a healthier world.

Our health care system is in serious peril. Canadians are aging, and over 60 per cent of us have a chronic disease needing care.

With almost 50 cents of every tax dollar currently going to health care, the system is simply not sustainable. Canada's health care system has many strengths, but without evolving to meet critical challenges like spiraling costs, access to services and waiting times, it will shatter.

The answers lie within the work of the O'Brien Institute for Public Health at the University of Calgary. Solutions are being developed by more than 400 academics and professionals, including research scientists, clinicians, health system decision-makers and other experts. Together, we are building better health and better health care.

Better health is about ideas and actions to improve the health of individuals and populations, like reducing obesity or increasing vaccinations. Better health care is about improving the systems we use to deliver health by cutting waste,

getting better value for money, finding greater efficiency of services, reducing wait times, boosting safety and improving patient outcomes.

The O'Brien Institute's work is key to the Cumming School of Medicine's focus areas of precision medicine and precision public health - the understanding provided through research, data and unique health characteristics that can lead to personalized treatments and therapies for individuals and communities.

Your support of the O'Brien Institute will fuel expertise to innovate and improve the system. We are changing the future of health in three key areas:

- Health, Wellness and Disease Prevention
- Health Systems Performance and Innovation
- Big Data and Smart Analytics

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Research into water fluoridation is providing important data for citie A study by O'Brien Institute water is still fluoridated. The increase researcher Lindsay McLaren revealed in cavities was nearly twice as large an increase in cavities in Calgary in Calgary as in Edmonton. This is during the time fluoridation was just one example of research by the stopped. The incidence of cavities O'Brien Institute informing policy was compared to Edmonton, where around important public health issues.

Together, we will improve health for all.

OUR RESEARCH TELLS US THAT FLUORIDATION IS AN IMPORTANT PART OF GOOD DENTAL HEALTH, ALONG WITH OTHER FACTORS LIKE ORAL HYGIENE, ACCESS TO HEALTHY FOODS AND REGULAR VISITS TO THE DENTIST. THIS IS JUST ONE MORE TOOL THAT CAN BE USED BY POLICYMAKERS IN BUILDING GREAT HEALTH FOR THOSE IN OUR COMMUNITY AND AROUND THE WORLD.

JJ LINDSAY MCLAREN

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Health Systems Performance and **Innovation** The W21C (Ward of the 21st Century Program) enables researchers to simulate hospital settings to study improvements to the health system. 12 | O'BRIEN INSTITUTE FOR PUBLIC HEALTH

Let's save lives — and money — by making the system healthier.

The cost of our health care system is not sustainable in its present state. The high incidence of chronic disease in society, along with the high cost of delivering health care, means spending will continue to increase as our population ages.

However, we have many opportunities to improve our health system. These include using resources appropriately, such as ensuring MRIs are used for the right patient and the right reason; reducing the escalating costs of prescription drugs; and improving care both in the hospital and at home.

Through the O'Brien Institute for Public Health's work with partners at AHS and in the community, we can initiate and test new and improved tools and systems for better health care.

Projects focused on better health care, undertaken in close partnership with health system decision makers, include:

- Exploring better ways to manage chronic disease
- Expanding the use of eHealth tools to make patients active participants in their care, and to enhance quality and safety of care through improved communications and connectivity
- Providing care in people's homes, rather than in hospitals or clinics
- Developing smart analytic programs that give health system decision-makers real-time information on hospital performance, disease outbreaks and emerging trends in illness



Keeping patients healthy with safe, secure information.

Health providers record a lot of information about a patient while they are in the hospital — diagnosis, medications, care recommendations — that the patient's regular doctor needs to continue their care. Without that continuity of care, patients can take the wrong medication, be re-admitted to hospital or suffer other serious health problems. Researchers in the O'Brien Institute

for Public Health's W21C (Ward of the 21st Century) Program developed the Electronic Transfer of Care Tool, a secure, web-based application that gives community health care providers access to a patient's critical information. This tool has been implemented in all adult acute care facilities in Calgary, and the project will be adapted for use across Alberta and nationwide.

Sharing patient health information between hospitals and community providers has the potential to reduce readmissions and medical errors, and increase well-being.











\$25 million

Take your place among the leading philanthropists of your time.

You will help us attract the rising stars and emerging leaders who will explore innovative new ideas for better health and better health care. Public health research benefits millions of people worldwide, and you will help us continue this vital research. You will elevate Calgary in its prominence as a world leader in the development of solutions for some of the most pressing health problems facing society.

With your support we can bring the ideas of the O'Brien Institute to Albertans, and the world.

Together, we will ensure good health for all.

We are strategically positioned through well-established partnerships with government and health system decision-makers to leverage our ideas to inform and improve health policy, as well as make key changes within our health system. By supporting the O'Brien Institute for Public Health in these three areas, you will help us improve decision-making and reduce waste in the health system.

People - \$14 million

With your support, we will recruit and retain the brightest minds in research by:

- Attracting and supporting dedicated students to drive the discovery and implementation of visionary ideas.
 Fellowships, scholarships for Masters and PhD students and Public Health Scholarship Funds will support students today and in the future.
- Recruiting the best faculty will address health issues affecting millions around the world. To ensure our faculty can devote their energies to research and teaching, we are seeking investment in professorships, chairs and recruitment.

Ideas - \$8 million

The O'Brien Institute for Public Health is an engine for innovation and discovery, producing visionary ideas and cost-effective solutions. We will support transformational research by:

- Providing critical funding that will drive innovation through new initiatives and entrepreneurial ideas.
- Advancing research in the areas we excel: global, indigenous, environmental, geographical, population mental health, along with health economics.

Platforms - \$3 million

Tools and research platforms are required to support our team of more than 400 health professionals, research scientists and clinicians. We will focus our efforts in:

- Strengthening the foundations of public health with technical tools to translate information into meaningful public health interventions.
- High performance computing infrastructure resources to advance our understanding and use of data to inform health decisions.

This is your opportunity to make a difference, spark meaningful change and create a legacy that will never fade. **JOIN US.**

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Join us, and together we will solve the greatest challenges facing health.

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