Advancing public health through research excellence:
Metrics report 2022
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Communities world-wide spent much of 2022 adjusting to ‘the new normal’, with the field of public health among the most changed by the pandemic. We are pleased to report on the continuing dedication, academic success, and societal impact of the impressive health systems and population health researchers of the O’Brien Institute for Public Health, during 2022.

This report provides a brief update between our Biennial report – 2020 and 2021 and what will be a more in-depth research impact assessment in 2024. Our report comes at a critical inflection point in the Institute’s history: the transition from Dr. Tom Stelfox to a third Scientific Director.

Under Dr. Stelfox’s guidance, we began to operationalize the Institute’s first strategic plan in 2022, and progress in the mission to advance public health through research excellence. The most notable outputs and outcomes of the plan are highlighted in this document, and we are confident that such successes will continue, thanks to continuity among the Associate Scientific Directors, the Administrative Director, the Institute’s devoted staff and Strategic Advisory Board, and the inspirational support of the Institute’s naming donors, Gail and David O’Brien.

Thank you for your interest in the Institute. For more details, please go to our website or join us on Twitter.
Improving health equity and the conditions that determine health

Story of success: population health

The O’Brien Institute has made significant strides in promoting health equity through various initiatives and partnerships with government and community agencies.

The Institute established a Health Equity Hub that will serve as a platform for collaboration among researchers, government, and community agencies to develop innovative changes to policy and practice. In 2022, Hub researchers worked to develop an accountability framework with metrics, outputs and outcomes to quantify public health challenges that can only be solved through a focus on health equity.

In 2022, the O’Brien Institute was instrumental in recruiting a leading scholar in anti-racism and health equity. The research program of Dr. Bukola Salami focuses on immigrant wellbeing and the health of Black youth. Institute member, Dr. Pamela Roach was awarded a Canada Research Chair in Indigenous Health Systems Safety. Dr. Roach is developing culturally appropriate services for Indigenous people living with dementia.

O’Brien Institute members worked with the Government of Alberta to finalize three projects to design and implement housing programs for people with complex health issues. All three projects showed important improvements in health, housing, and social outcomes. One of the projects, focused on providing housing for high-risk youth, has already received long-term funding from the tri-council Networks of Centres of Excellence program and Mitacs.

The O’Brien Institute received a significant donation to lead a national transformation project aimed at supporting emergency shelters across Canada to become housing-focused. This initiative aims to prevent homelessness on a large scale by shifting emergency shelters from crisis mode to becoming the primary portal for people experiencing homelessness or at risk of homelessness to enter the housing sector quickly.
A year of achievement and recognition

In 2022, O'Brien Institute members continued to be recognized nationally and internationally for advancing public health through research excellence. Some of the notable awards from 2022 include:

Order of Canada

Dr. Michael Hill

Royal Society of Canada College of New Scholars, Artists and Scientists

Dr. Fiona Clement

Canadian Academy of Health Sciences Fellows

Dr. Stephen Freedman

Dr. Jayna Holroyd-Leduc

Dr. Eddy Lang
Medical and scientific awards

Dr. Sofia Ahmed  Senior Investigator Award, Hypertension Canada
Dr. Sonia Butalia  Young Investigator Award, Diabetes Canada
Dr. John Conly  Frederic Newton Gisborne Starr Award, Canadian Medical Association
Dr. Christine Friedenreich  Rosalind E. Franklin Award for Women in Science, National Cancer Institute
Dr. Aravind Ganesh  Panmure House Prize, Panmure House
Dr. Sumantra 'Monty' Ghosh  Early Career Leadership (Professional Practice & Patient Care), Royal College of Physicians and Surgeons of Canada
Dr. Gilaad Kaplan  Killam Annual Professorship
Dr. Carly McMorris  Killam Emerging Research Leader Award
Dr. Amy Metcalfe  Joe Doupe Young Investigator Award, Canadian Society for Clinical Investigation
Dr. Christopher Naugler  Leadership in Patient Safety & Quality Assurance Award, Canadian Association of Pathologists
Dr. David Nicholas  Killam Annual Professorship
Dr. Dana Olstad  Early Career Researcher Partnership, Canadian Nutrition Society
Dr. Kannin Osei-Tutu  Calgary Black Achievement Award for Medicine and Health, Calgary Black Chambers
Dr. Shannon Ruzycki  Award for Young Leaders (Early Career), Canadian Medical Association
Dr. Suzanne Tough  Killam Research Excellence Award
Dr. Christine Walsh  Killam Graduate Supervision and Mentorship Award
Dr. Samuel Wiebe  Wilder Penfield Gold Medal Award, Canadian League Against Epilepsy

Service awards

Dr. Aleem Bharwani  Queen Elizabeth II Platinum Jubilee Medal, Government of Alberta
Dr. Rachel Ellaway  Meredith Marks Mentorship Award, Memorial University
Dr. Gabriel Fabreau  Queen Elizabeth II Platinum Jubilee Medal, Government of Alberta
Dr. Jim Kellner  Distinguished Service Award, Alberta Medical Association
Dr. Jane Lemaire  Dr. Léo-Paul Landry Medal of Service, Canadian Medical Association
Dr. Alexander Leung  Queen Elizabeth II Platinum Jubilee Medal, Government of Alberta
Dr. Zack Marshall  The Farah Jamal Award, Campbell Collaboration
Dr. Ann Toohey  Queen Elizabeth II Platinum Jubilee Medal, Government of Alberta
Research excellence

In 2022, the volume and quality of research outputs from O’Brien Institute for Public Health members remained high, as indicated by peer-reviewed research publications and external research funding.

Four out of every 10 publications by Institute members were published in the top 10% of journals, as defined by Elsevier’s SciVal.

After the record-breaking level of research revenue received by members in 2021, total funding for 2022 was still an impressive $55.2 million.
Transforming health care through research excellence

Story of success: better health care

In 2022, the W21C Research and Innovation Centre at the O'Brien Institute compiled an impressive application for the Alberta Major Innovation Fund competition. The application included 10 post-secondary institutions, seven academic-based programs, one Indigenous community, two health system organizations, 19 non-profit organizations, 21 industry partners, and a team of 47 members. We anticipate the results for the $6,336,500 ($22,085,609 total including matching) funding opportunity, which will be released in spring 2023.

The recruitment process was launched for a Tier 1 Canada Research Chair in Digital Health through the Department of Community Health Sciences and the O'Brien Institute, along with a Tier 2 Canada Research Chair in Data Integration & Information Visualization in Digital Health through the Department of Computer Science and the W21C.

In 2022, the Institute welcomed three new subgroups working to transform health care:

- the Sex, Gender and Women’s Health Research Unit, led by Dr. Erin Brennand;
- the Transplant Wellness Program, led by Dr. Stefan Mustata, as the medical director, Dr. Kelly Burak, as Scientific Director and Dr. Debra Isaac, as senior advisor;
- and the Group for Patient-Reported Measures, led by Dr. Tolulope Sajobi and Dr. Samuel Wiebe.
Optimizing member programs and services

Internal peer review

Internal Peer Review (IPR) programs continue to be the Institute’s most valued support system for members developing research programs, planning projects, and preparing external funding applications. In 2022, 36 members used one or more of the IPR programs, and 72 members shared their expertise as peer reviewers.

In most CIHR competitions, O'Brien members are more successful than their national counterparts, and those who use IPR have a higher success rate than those who do not.
Catalyst funding

Small financial awards are made to catalyze early stages of research projects and platforms that will launch promising new programs or strategic capacity within the membership. Previous assessments of return on investment from these awards have demonstrated ten-fold leveraging. In 2022, the Catalyst program was revitalized and relaunched to align with the areas of focus identified in the O’Brien Institute’s 2022-2027 strategic plan. The O’Brien Institute administered more than $50,000 of funding to help members catalyze research projects, and to create a new Catalytic Platform. In addition, the Institute manages philanthropic funding dedicated to a Systems Approach (toward addressing social vulnerability), and Catalyst Awards from that source increased the total funding allocation to over $80,000.

Similarly, start-up awards are offered to newly recruited, often early-career investigators, to help launch their programs of research. The O’Brien Institute often partners with faculties, departments, divisions, and other research stakeholders to create a meaningful funding package, and in 2022, $110,000 was allocated to start-up awards for three new faculty members.

Post-doctoral awards

The O’Brien Institute is dedicated to building research capacity by providing support for post-doctoral scholars. In 2022, the Institute awarded four post-doctoral awards valued at $25,000 each, spanning a breadth of topics. These trainees have since earned competitive national awards including the Banting Fellowship, the Health System Impact Fellowship, and a CIHR Fellowship, bringing in over $400,000 in salary support.
Member recognition

The 2022 O’Brien Institute Awards were presented to members who are advancing public health through research excellence at various stages of their careers.

The winners are:

Dr. Nauzer Forbes,
The O’Brien Institute Emerging Research Leader Award

Dr. Tolulope Sajobi,
The O’Brien Institute Mid-Career Research Leader Award

Dr. Irene Ma,
The O’Brien Institute Research Excellence Award

Dr. Lara Nixon,
The O’Brien Institute Societal Impact Award

Dr. Ronald Sigal,
The Lynn McIntyre Outstanding Service Award
A trusted source of knowledge to drive societal change

In 2022, O’Brien Institute members appeared in more than 700 news stories — amplifying the impact of their work and informing public discourse on critical public health issues.

THOUGHT LEADERSHIP
PMN Politics / PMN News
Canada's trust divide is growing, and that could spell bad news for the future

NATIONAL POST

Dr. Alex Bierman, co-author

POPULATION HEALTH
TIME

These Environmental Factors Increase the Risk of IBD

“Following World War II, we’ve seen a rapid rise in IBD incidence throughout the developed world,” says Dr. Gilaad Kaplan, a professor and gastroenterologist at the University of Calgary in Canada.

CBC NEWS

Alberta's ambulance response times have worsened from the start of the pandemic, data shows

'What this data shows is that these aren't just anecdotes,' health policy professor Dr. Lorian Hardcastle
In 2022, the O’Brien Institute fostered meaningful connections and opportunities for knowledge exchange through engaging events and seminars. Highlights included a national health system sustainability forum hosted by the Centre for Health Policy on June 26, and the annual members forum on October 11 which explored social innovation for public health.

The Institute also worked with the Department of Community Health Sciences to re-imagine and re-format the seminar series to better align with audience needs.
Making health care across Canada more sustainable

Story of success: thought leadership

Seizing an opportunity to engage researchers and health-policy decision-makers to help address a crucial need for health care reform, the O’Brien Institute officially launched the Centre for Health Policy in the summer of 2022.

Under consideration since 2016, the Centre for Health Policy actively identifies strategies to advance evidence-informed decision-making for health in all policies. The new centre’s first major project, the Health System Sustainability Initiative (HSSI), serves as the backbone of the collaborative centre. Driven by research and engagement, the HSSI seeks to achieve health system reform with a focus on improving population health, value for money, and patient and provider experiences.

In 2022, the Centre for Health Policy also launched a Health Policy Trials Unit (HPTU) to help close the gap between evidence and public health policies. The HPTU was funded as part of the pan-Canadian Accelerating Clinical Trials (ACT) Canada Consortium. The goal of ACT Canada is to create a new platform to strengthen co-ordination between domestic and international clinical trial networks and units. Led by researchers from McMaster and McGill University, ACT Canada was awarded $39 million for three years from the Canadian Institutes of Health Research to advance equitable access to, build capacity in, and improve the impact of clinical trials.

In 2023, the Centre for Health Policy will continue to build relationships with policymakers locally, provincially and nationally.

This critical work in health policy will continue to enable the O’Brien Institute to bridge the gap between research and impact, ultimately making tangible improvements to health outcomes for Canadians.

Attendees at the Centre for Health Policy forum on June 26, 2022.
# Financial statement

<table>
<thead>
<tr>
<th>STATEMENT OF OPERATIONS</th>
<th>April 2022 – March 2023</th>
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<tbody>
<tr>
<td>Revenue</td>
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<td>O’Brien Institute Endowment Interest</td>
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<td>Other Donations</td>
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<td>Catalyst awards</td>
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<td>Start-up awards</td>
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<td>Knowledge engagement events and sponsorships</td>
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<td>Support team salaries and stipends, general operating expenses</td>
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<td><strong>TOTAL EXPENSES</strong></td>
<td><strong>$746,945</strong></td>
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*A summary of the 2022/23 fiscal year for the O’Brien Institute within its major categories of expenditures.*
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