



# The Power to Transform

### Promoting Family Medicine as a Research Discipline



**Douglas Archibald, PhD**

The University of Ottawa Department of Family Medicine is a national leader in primary healthcare research. The work of our researchers, clinician investigators, members of the research operations team, and the Research Executive Committee is crucial for providing guidance and developing new knowledge that serves practitioners, learners, and the communities we serve through the applied understanding in primary care services delivery, clinical practice, and medical education.

We are engaged in practice-relevant research on the organization and delivery of primary healthcare, focused on:

- Health Services Delivery Models
- Medication: Appropriateness and Deprescribing
- Access and Equity: Disadvantaged Populations
- Population Health: Modifiable Risk Factors and End-of-life Care
- Mental Health & Francophone Health
- Medical Education Innovations

# Year *IN REVIEW*

**107** Active Research Grants in 2023

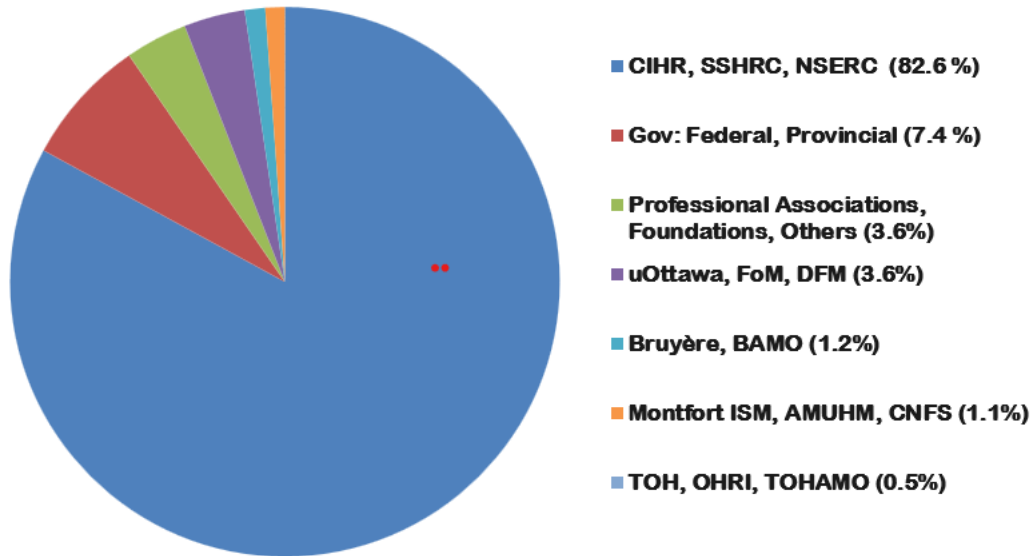
**\$18.3M** Active Research Dollars in 2023

**16** New Grants Awarded in 2023

**\$7.9M** New Grants Awarded in 2023

**180** Research Publications in 2023

## Source of Active Research Dollars in 2023



## Number and Source of Grants - Active Research Dollars in 2023

	Grants	NPI, PI Co-PI	Active \$	Source %
CIHR, SSHRC, NSERC	43	19	\$15,087,994	82.6%
Gov.: Federal, Provincial	12	11	\$1,359,181	7.4%
Associations, Foundations, Others	5	2	\$664,024	3.6%
uOttawa, FoM, DFM	22	18	\$654,428	3.6%
Bruyère, BAMO	6	6	\$218,387	1.2%
Montfort, ISM, AMUHM, CNFS	14	10	\$207,753	1.1%
TOH, OHRI, TOHAMO	5	3	\$84,197	0.5%
<b>TOTAL</b>	<b>107</b>	<b>69</b>	<b>\$18,275,964</b>	

## Number, Source and Total Value of New Grants Awarded in 2023

	Grants	Value	Source %
Gov.: Federal, Provincial	4	\$5,573,273	70.8%
CIHR, SSHRC, NSERC	8	\$1,717,590	21.8%
uOttawa, FoM, DFM	1	\$397,601	5.1%
Montfort, ISM, AMUHM, CNFS	3	\$181,000	2.3%
<b>TOTAL</b>	<b>16</b>	<b>\$7,869,464</b>	

Addressing current and future **primary healthcare** needs and challenges of society, including:

- Health services and policy research aiming to mitigate inequities arising from the social determinants of health.
- Health professions education research, including innovations to enhance health human resources among underserved populations and underserved setting.

Highlighting some of the DFM Faculty's research projects and social accountability impact.



**Dr. Daniel Myran**, Canada Research Chair, Social Accountability Assistant Professor, Department of Family Medicine

### Health Impacts of Substance Use and Drug Policy

- Population-level impacts of substance use.
- Tracking changes over time and inequities.
- Impact of key policies (e.g., cannabis legalization).
- Identifying clinically relevant outcomes for individuals who have healthcare visits for substance use.

### Physician Health and Improving Access to Comprehensive Primary Care

- Health services used by physicians to understand and improve mental health and burden in the physician workforce.
- Studies examining the proportion of graduates from each medical schools in Canada who specialize in family medicine and changes over time.

JAMA Psychiatry | Brief Report

#### Transition to Schizophrenia Spectrum Disorder Following Emergency Department Visits Due to Substance Use With and Without Psychosis

Daniel T. Myran, MD, MPH; Lyndsay D. Harrison, MSc; Michael Pugliese, MSc; Marco Solmi, MD, PhD; Kelly K. Anderson, PhD; Jess G. Fiedorowicz, MD, PhD; Christopher M. Perlman, PhD; Colleen Webber, PhD; Yaron Finkelstein, MD; Peter Tanuseputro, MD, MHSc

#### PLOS MEDICINE

#### Mental health and addiction health service use by physicians compared to non-physicians before and during the COVID-19 pandemic: A population-based cohort study in Ontario, Canada

Daniel T. Myran, Rhiannon Roberts, Eric McArthur, Nivethika Jayakumar, Jennifer M. Hensel, Claire Kendall, Caroline Gerin-Lajoie, Taylor McFadden, Christopher Simon, Amit X. Garg, Manish M. Sood, Peter Tanuseputro

JAMA Network | **Open**

Original Investigation | Psychiatry

#### Physician Health Care Visits for Mental Health and Substance Use During the COVID-19 Pandemic in Ontario, Canada

Daniel T. Myran, MD, MPH; Nathan Cantor, MSc; Emily Rhodes, MSc; Michael Pugliese, MSc; Jennifer Hensel, MD, MSc; Monica Talarico, PhD; Robert Talarico, MSc; Amit X. Garg, MD, PhD; Eric McArthur, MSc; Cheng Wei Liu, MD; Nivethika Jayakumar, MSc; Christopher Simon, PhD; Taylor McFadden, PhD; Caroline Gerin-Lajoie, MD; Manish M. Sood, MD, MSc; Peter Tanuseputro, MD, MHSc

Open access | Original research

#### BMJ Open Physician benzodiazepine self-use prior to and during the COVID-19 pandemic in Ontario, Canada: a population-level cohort study

Daniel Myran<sup>1,2,3,4</sup>, Christina Milani<sup>5,6</sup>, Michael Pugliese<sup>2,4</sup>, Jennifer M Hensel<sup>4,6</sup>, Manish Sood<sup>2,4,7</sup>, Claire E Kendall<sup>1,2</sup>, Tetyana Kendzerska<sup>2,4,8</sup>, Peter Tanuseputro<sup>1,2,4,9</sup>

eClinicalMedicine

Part of THE LANCET Discovery Science

#### Development of an anxiety disorder following an emergency department visit due to cannabis use: a population-based cohort study

Daniel T. Myran, Lyndsay D. Harrison, Michael Pugliese, Peter Tanuseputro, Adrienne Gaudreault, Jess G. Fiedorowicz, et al. Show all authors • Show footnotes

Open Access • Published: February 05, 2024 • DOI: <https://doi.org/10.1016/j.eclinm.2024.102455>

ADDICTION

SSA SOCIETY FOR THE STUDY OF ADDICTION

Research Report | Full Access

#### The association between alcohol access and alcohol-attributable emergency department visits in Ontario, Canada

Daniel T. Myran, Jarvis T. Chen, Norman Giesbrecht, Vaughan W. Rees

JAMA Network | **Open**

Original Investigation | Public Health

#### Changes in Cannabis-Attributable Hospitalizations Following Nonmedical Cannabis Legalization in Canada

Daniel T. Myran, MD, MPH; Adrienne Gaudreault, MPH; Lauren Konikoff, MA; Robert Talarico, MSc; Rosalie Liccardo Pacula, PhD

**Dr. Clare Liddy**, Chair and Full Professor, Department of Family Medicine

## eConsult Research Activities



### Chronic Pain



#### Improving Access to Specialist Care for patients with Chronic Pain

- *What are the experiences of patients waiting to access specialty care for their chronic pain?*
- *What are the key organizational, structural, patient, provider, and health innovation factors associated with successful implementation of chronic pain eConsult service?*

### Frailty



#### An analysis of eConsult cases for patients with frailty

- *What do primary care providers ask about?*
- *How quickly do specialists respond?*
- *What is the impact of eConsult on frailty care?*

## eConsult Research Activities

Drs. Clare Liddy & Sathya Karunanathan

### Dementia



#### A study of eConsult cases for patients with dementia

- *How many eConsults are submitted for patients living with dementia?*
- *Do responses link to community-based resources?*
- *Are there differences in use between long-term care and the community?*

2024-03-06

### Other



#### An Evaluation of the provincial eConsult program

- *What is the impact of the Ontario eConsult Program as assessed through the lens of the quintuple aim framework (population health, patient experience, clinician experience, cost-effectiveness, health equity)?*

#### eConsult and Artificial Intelligence

- *How can eConsult data be leveraged to create a recommender system using Natural Language Processing techniques for clinicians?*



**Dr. Simone Dahrouge**, Associate Professor, Department of Family Medicine

### Primary Care Research Networks – OPEN, POPLAR, CPCSSN

- EMR data to create databases for research, disease surveillance and quality improvement.

### Brain Heart Interconnectome

- Community Partnerships and social prescribing.

### Clinical Trials

- CanTreat COVID - Canadian Adaptive Platform Trial of Treatments for COVID in Community Settings.

### Patient/Provider Experience

- Patient and Caregiver Experiences with Synchronous and Asynchronous Virtual Care in Primary Care across Ontario.

**Dr. Claire Kendall**, Full Professor, Department of Family Medicine and Associate Dean, Social Accountability, Faculty of Medicine, Clinical Research Chair in Strengthening Primary Care for Integrated Health Equity

## **The population health impact of community-campus engagement**

- Explore how and to what extent community campus engagement improves population health outcomes and leads to healthier cities.
- Address how medical schools can engage with their communities for better health and how cities can engage with medical schools to address community health priorities.
- Build capacity for interventions in urban contexts to improve population health and health equity.



## **Evaluation of Ottawa Paramedic Services patient models of care**

- Guide the growth and development of the Ottawa Paramedic's Mental Health Response Team.
- Identifying individual- and area-based variables to target for improved care.

## **Generating data-driven policy solutions for Ontario's Primary Care Crisis**

- Generate critical policy insights to improve primary care access.
- Identify factors that predict choice of family medicine, provision of comprehensive care, and practice in underserved areas.

## **Developing population health indicators for natural neighbourhoods using existing datasets**

- Develop population health indicators to better understand the current state of housing in Ottawa.
- Enable partners to develop indicators that address the housing priority of the City of Ottawa's Community Safety and Well-Being Plan.

## **Health equity and the post COVID-19 condition**

- Build capacity to improve population health and health equity.
- Understand the differential impacts of COVID-19 on social positions and their implication for health equity in Ontario.
- Provide new evidence about which Ontario populations experience the greatest risk of COVID-19.



**Dr. Sharon Johnston**, Associate Professor, Department of Family Medicine and Associate Vice President, Research and Scientific Director, Institut du Savoir Montfort.

**Digital patient engagement in primary care**

- Explore digital reach.
- Tailor patient education to diverse population needs.
- Identify unmet information needs on health topics and community resources.
- Decrease social isolation by connecting with local community resources.
- Include patient feedback in QI.
- Include patient feedback in regional planning.
- Build methodology for a PC learning health system that includes PREMs/PROMs.

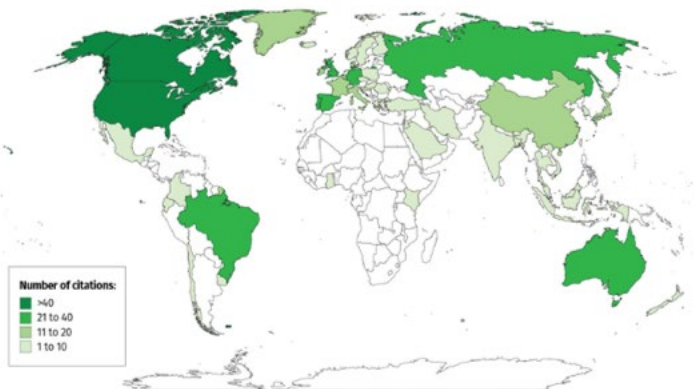
**Language as a determinant of health**

- Impact of linguistic discordance in healthcare for linguistic minority communities.
- Unmet health information needs of linguistic minorities in Canada and the intersection of social, economic, and cultural factors.

**Concussion care and recovery- building the evidence for the non-sport/athlete population**

- Autonomic dysfunction and exercise.
- Concussion and older patients.

**Guideline Use**



**>400 K downloads**  
**>800 citations**



**Dr. Barbara Farrell**  
Associate Professor,  
Department of  
Family Medicine



## Acfas 2024

**The 91st Acfas Congress** will be held from May 13 to 17 on our campus. The preliminary program is now online, and registration is open. The proposed symposia cover a wide range of research topics. The Acfas Congress is the largest multidisciplinary scientific gathering in the French-speaking world. It brings together an average of 6,000 participants from Canada and abroad.

[Register now to attend.](#)

Interested in presenting your work at the 91st Acfas Congress? Consult the program regularly to find out about current calls for papers and submit your proposal.

## NAPCRG 2024

**Dr. Douglas Archibald**, DFM Director of Research and Innovation, is the Chair of the 2024 NAPCRG Program Committee.

**The 52<sup>nd</sup> Annual Meeting** will take place November 20-24, 2024, at the Québec City Convention Centre. [The call for papers for the 2024 Annual Meeting](#) is now open! Submission deadline is April 21, 2024, at 11:59 p.m. CENTRAL TIME. Student, Resident, and Fellow submissions will open May 1, 2024.

## FMF 2024

**FMF 2024** will take place November 6-9, 2024, in Vancouver. Do you have the next great session idea that everyone will be talking about? Submit an abstract for the opportunity to share your work, ideas, and research at FMF 2024.

Submission Deadlines:

- Call for free-standing papers and posters: April 5, 2024 – 11:59 p.m. (ET)
- Call for Big Ideas Soapbox: April 26, 2024 – 11:59 p.m. (ET)

For more information and to submit your abstract, visit the FMF website:

<https://fmf.cfpc.ca/abstracts/>

Questions? If you have any questions, please contact [dmckay@cfpc.ca](mailto:dmckay@cfpc.ca)



**Dr. Archibald, Dr. Venables, Dr. Johnston, and Dr. Hogg**, along with two patient partners, have recently been awarded the Ontario SPOR SUPPORT Unit (OSSU) through the Engaging Multi-stakeholders for Patient Oriented-research Wider Effects and Reach (EMPOWER) initiative. This grant supports their study CPIN-

LEAP, which aims to mobilize patient knowledge for scalable educational modules in primary care and learning systems. Their goal is to enrich and expand the reach and influence of their CPIN-LEAP project's findings by cultivating relationships with patient partners and sharing their discoveries with stakeholders who can apply them to inform healthcare policy and decision-making processes.

## March 20 *International Francophonie Day*

March is the month where the Francophonie is celebrated, it is dedicated to honouring the French language and the diverse Francophone cultures around the world. March 20 was established in 1988 as the International Francophonie Day with a focus on sharing and appreciating the French language and francophone culture.

### **Faculty of Medicine Award for the Promotion of la Francophonie and Francophilie**

**Dr. Maddie Venables**, Academic Research Advisor at the Department of Family Medicine, is a champion for the advancement of la Francophonie. She fosters partnerships with francophone institutions, exploring avenues to develop and offer educational resources benefitting both the anglophone and francophone populations; she has been pivotal in facilitating conversations and in-person visits to Collège La Cité to discuss current initiatives and potential future collaborations between the institutions. Within the Department, she is dedicated to promoting the use of French, setting a powerful example by ensuring all documents and communications are available in French; and she encourages resident learners, including those outside French learning primary care units, to submit required reports in their preferred language, including French. She reviews French-translated texts from colleagues, to ensure a bilingual standard of quality.







# Your Research **OPS TEAM**



**Maddie Venables, PhD, MHA, Academic Research Advisor** at the Department of Family Medicine, is devoted to improving the health and well-being of individuals, families, and communities. She has done this through her role in research and education in primary care settings by engaging learners, physicians, and patients in educational and scholarly activities to enhance learning and health outcomes. She is working closely with colleagues to develop innovative educational tools to teach learners, faculty, first responders and emergency healthcare workers about self-management of stress, anxiety, and post-traumatic stress injuries to empower them in their own care and well-being. She is keenly aware of the important interplay between health and education and is working closely with health leaders and Indigenous community members to dismantle anti-Indigenous racism in healthcare systems. Dr. Venables also works to support research development by supporting faculty and residents with their research and scholarly work.

**[Maddie.Venables@uOttawa.ca](mailto:Maddie.Venables@uOttawa.ca)**



**Monisha Kabir, MSc, Research Associate** at the Department of Family Medicine, completed her MSc in Health Systems at the Telfer School of Management and Honours BSc in Biology at the University of Ottawa. Monisha has over 13 years of experience within the field of healthcare having worked with the Department of Family Medicine, the Bruyère Research Institute, Cochrane Bias Methods Group, Health Canada, and in a family medicine clinic. Monisha has experience and expertise in the following: qualitative, quantitative, and mixed methods research studies; performing systematic, rapid, and scoping reviews; and guideline development, implementation, and evaluation.

**[Monisha.Kabir@uOttawa.ca](mailto:Monisha.Kabir@uOttawa.ca)**



**Jarvis Dongmo, MSc, Research Assistant** at the Department of Family Medicine, completed his MSc in Integrated Management of Health Risk at the University of Liege. Jarvis embarked on a journey to contribute meaningfully to research projects. He served as a Research and Teaching Assistant within the Public Health Department at the University of Ngaoundéré in Cameroon. He played a pivotal part in various research projects, developing expertise in data collection, analysis, and interpretation. His research interests are in global health, risk assessment, and program evaluation.

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**Miya Ismayilova, MSc, Research Assistant** at the Department of Family Medicine, completed her MSc in Interdisciplinary Health Sciences at the University of Ottawa. Miya began her career in research by delving into healthcare provision for women with polycystic ovary syndrome. Her research interests include women's health, health service improvement, and medical training. She is currently supporting Family Medicine residents in their Family Medicine Resident Scholarly Projects (FMRSP).

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**Emily Larkin, BA, Research Assistant** at the Department of Family Medicine, completed her Honours Bachelor of Arts in Psychology at the University of Ottawa. Emily began her career in research by studying areas such as cognition and emotion, as well as sleep and dreams. Her research interests involve cognition, educational resources, and medical training. She is currently involved in supporting a scoping review for Centretown Community Health Centre focused on the identification of barriers and facilitating factors associated with CHCs participation in the academic mission.

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