

Post-Doctoral Researcher – Health Services Research Dementia and Mental Health Geriatric Mental Health Research Program

Campbell Family Mental Health Research Institute, Centre for Addiction and Mental Health

The Centre for Addiction and Mental Health (CAMH) is Canada's largest mental health teaching hospital and one of the world's leading research centres in its field. As Canada's leading mental illness research facility, CAMH's Campbell Family Mental Health Research Institute (CFMHRI) is home to scientists, staff and research trainees conducting leading research to improve the understanding of the brain and the causes, the biomarkers and cures for mental illness as well as research to advance the prevention and treatment for mental illness and addictions across the lifespan. With a collaborative inter-disciplinary environment that spans clinical, biological, social and epidemiological research, CAMH supports a workplace that embraces diversity, encourages teamwork and complies with all applicable regulatory and legislative requirements.

The Post-Doctoral Researcher will be a part of research team using administrative healthcare databases and primary sources of health data to studies related to health services and quality of care for people living with dementia and other mental health conditions. The Post-Doctoral Researcher will primarily report to Dr. Seitz, Division of Geriatric Psychiatry at CAMH in collaboration with other members of the research team. The program of research involves studies related to identifying quality indicators for measuring the quality of care for individuals with dementia in community settings and operationalizing these measures for use with provincial administrative data. The research project involves a scoping review of dementia quality indicators, prioritization of quality indicators using Delphi methods, and analysis of provincial health services data for people with dementia.

The Post-Doctoral Researcher will be involved in the design of studies, study management (research ethics and compliance procedures), analysis of studies using observational and biostatistical methods, and knowledge translation activities related to research outputs including presentations and preparation of manuscripts for peer-reviewed publications. They will also take a lead role in communicating and coordinating with other trainees, researchers and members of the research staff and stakeholder organizations. There will be opportunities for continuing education as part of the Post-Doctoral Researcher position.

The ideal candidate for this full-time 2-year engagement will be an individual who possesses clearly defined research interests and scientific objectives in alignment with the **Geriatric Mental Health Research Program** and a record of relevant scholarly activity and achievements such as training awards, publications, presentations, community engagement. The successful applicant will also demonstrate capacity for independence, originality, and contributions to team research.

ACTIVITIES AND OPPORTUNITIES FOR COLLABORATION

CAMH postdoctoral researchers will make independent contributions to knowledge under the mentorship of a CAMH scientist. In addition to planning, developing, and carrying out their own original research, CAMH post-docs may contribute to team science and collaborate with other researchers.

Both independent and collaborative activities are intended to expand experience and professional relationships, refine technical, methodological, and scientific expertise, and develop essential research skills in preparation for independent scientific careers within and beyond academia.

Core skills that CAMH post-docs are expected to develop and refine during the process of carrying out their personal research projects include:

- Developing research proposals and experimental designs to investigate research questions
- Identifying research goals, objectives, and milestones for
- Planning, operationalizing, and carrying out their own mentored research projects
- Determining necessary methodology required to collect data and test hypotheses
- Developing and submitting competitive grant proposals
- Collaborating with other researchers and clinicians
- Preparing manuscripts for publication and publishing as first author
- Preparing and presenting results at conferences
- Mentoring, training, and/or teaching other trainees

Current projects within the Geriatric Mental Health Research Program that may be of interest for training and collaboration purposes include related projects on the topics of older adults with serious mental illness (e.g. schizophrenia), substance use disorders, and behavioural and psychological symptoms of dementia (BPSD).

ELIGIBILITY AND QUALIFICATIONS

The ideal candidate will have completed (or be close to completing) a PhD in Epidemiology, Biostatistics, Health Services Research, Health Economics, Gerontology or related field preferably with a focus on Alzheimer's disease or other types of dementia. Individuals who are more than 5 years post-PhD are not eligible, however, consideration will be given to candidates who have experienced career interruptions related to a documented leaves of absence or formal clinical training. Demonstrated success in obtaining external funding as a graduate student or in a previous post-doctoral role is strongly preferred.

Experience will encompass:

- Required: Advanced knowledge of biostatistical methods and/or observational study designs.
- Preferred experience with SAS and R
- Preferred to have experience with working with administrative healthcare databases (hospitalization, medication prescription, physician claims data).
- Preferred to have experience in scoping reviews, systematic reviews, and Delphi or nominal group methods.
- Experience working with interdisciplinary research teams.
- Familiarity with working with large complex datasets using secondary data, preferably health related but experience with data from other fields will be considered.
- Familiarity or experience with conducting systematic reviews and meta-analyses.
- Excellent verbal and written communication skills.
- Ability to work independently as part of research team.
- Experience with research ethics board applications preferred.

- Additional analytic skills in machine learning/artificial intelligence analytic methods would be beneficial.
- Desire to learn new research methods and contribute to learning of others in research team.

FUNDING

This opportunity includes a competitive research stipend reflective of the successful candidate's research training, qualifications, experience, and achievements. However, the post-doc will be required to seek out and apply to external funding opportunities. Salary range is approximately \$60,000 - \$80,000 CAD annually depending on experience.

LOCATION

This position will be based at the Centre for Addiction and Mental Health, 80 Workman Way, Toronto, Ontario, Canada.

APPLICATION INSTRUCTIONS

Interested applicants should e-mail Dr. Dallas Seitz (email: dallas.seitz@camh.ca), including a full academic CV, list of three references, and a brief 1-page statement of their research interests.

CAMH is a fully affiliated teaching hospital and research institute of the University of Toronto. As a CAMH Research Trainee, you will contribute to our mission by supporting the advancement of teaching, research, and the clinical care. CAMH is dedicated to equity, diversity, and inclusion and committed to fostering a workplace, teaching, and learning environment that is inclusive, respectful, and free from discrimination and harassment. We welcome applicants from all backgrounds and encourage applications from candidates who reflect the diversity of the communities we serve, including First Nations, Métis, and Inuit Peoples; Black and other racialized communities; LGBTQ2S+ communities; women; and people with disabilities, including those with lived experience of mental health and substance use challenges.

LAND ACKNOWLEDGEMENT

CAMH is situated on lands that have been occupied by First Nations for millennia; lands rich in civilizations with knowledge of medicine, architecture, technology, and extensive trade routes throughout the Americas. In 1860, the site of CAMH appeared in the Colonial Records Office of the British Crown as the council grounds of the Mississaugas of the New Credit, as they were known at the time. Today, Toronto is covered by the Toronto Purchase, Treaty No. 13 of 1805 with the Mississaugas of the Credit. Toronto is now home to a vast diversity of First Nations, Inuit and Métis who enrich this city. CAMH is committed to reconciliation. We will honour the land through programs and places that reflect and respect its heritage. We will embrace the healing traditions of the Ancestors, and weave them into our caring practices. We will create new relationships and partnerships with First Nations, Inuit and Métis and share the land and protect it for future generations.