HEALTH SYSTEM
IMPACT FELLOWSHIP

EQUITABLE AI STREAM

OVERVIEW OF THE HSIF PROGRAM AND EQUITABLE AI STREAM

The Health System Impact Fellowship (HSIF) is a program that funds doctoral trainees and post-doctoral fellows to apply their research and analytic talents to critical health system challenges outside of the traditional scholarly setting. Funded fellows work in public, private for-profit, not-for-profit, or Indigenous health organizations to develop professional experience, new skills, and networks that benefit their future careers.

The CIHR Institute of Population & Public Health is offering a unique new stream of funding for post-doctoral fellows under their Equitable AI initiative. In this opportunity, candidates with computer science, AI or other practical experience and skills that have an interest in public health issues will train with one of Canada's public health agencies.

WHAT EXPERIENCE DO I NEED?

You do not need a background in public health, but you do need an interest in public health and the issues that face public health researchers.
Experience in either **data science, computer science, AI computational methods** or other relevant skills are necessary for these fellowships.

EXAMPLES OF IDENTIFIED TOPICS INCLUDE

- Big data and prediction modelling to develop precision public health approach to communicable diseases / Application of natural language processing to laboratory results, electronic medical records and other text data (BC Centre for Disease Control)
- AI to improve the understanding of community antimicrobial use, determinants and consequences (Institut national de santé publique du Québec)
- Applying Artificial Intelligence to improve the detection and risk assessment capabilities of the Global Public Health Intelligence Network - a world class intelligence system set up in collaboration with the WHO (Public Health Agency of Canada)
- Applying AI methods in studies of chronic disease prevention or health impacts of pneumococcal immunization (Public Health Ontario)

   Visit the partner profiles page for a full list of up to date partners and topics.

WHY TRAIN WITH A PUBLIC HEALTH AGENCY?

By working as a fellow at a public health agency, you'll apply sophisticated methods to pressing public health issues and challenges that affect communities and populations across Canada. You will work with top public health experts and gain both professional experience and transferable skills while working in a real-world setting. This is your chance to be part of an emerging field that applies AI for social good.

CIHR IRSC | Canadian Institutes of Health Research
Instituts de recherche en santé du Canada

ADDITIONAL INFORMATION

Please contact CIHR Support for questions related to the AI stream of HSIF applications.