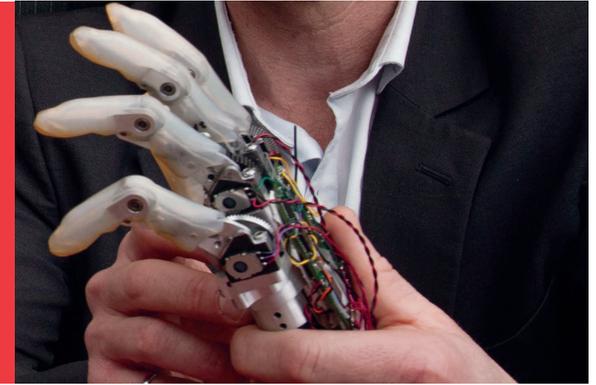


# HUMAN HEALTH RESEARCH AT UNB



Human health is not merely the absence of disease, but a state of physical, mental, and social wellbeing.

Human Health research at the University of New Brunswick (UNB) is carried out across all four of the research themes defined by the Canadian Institutes

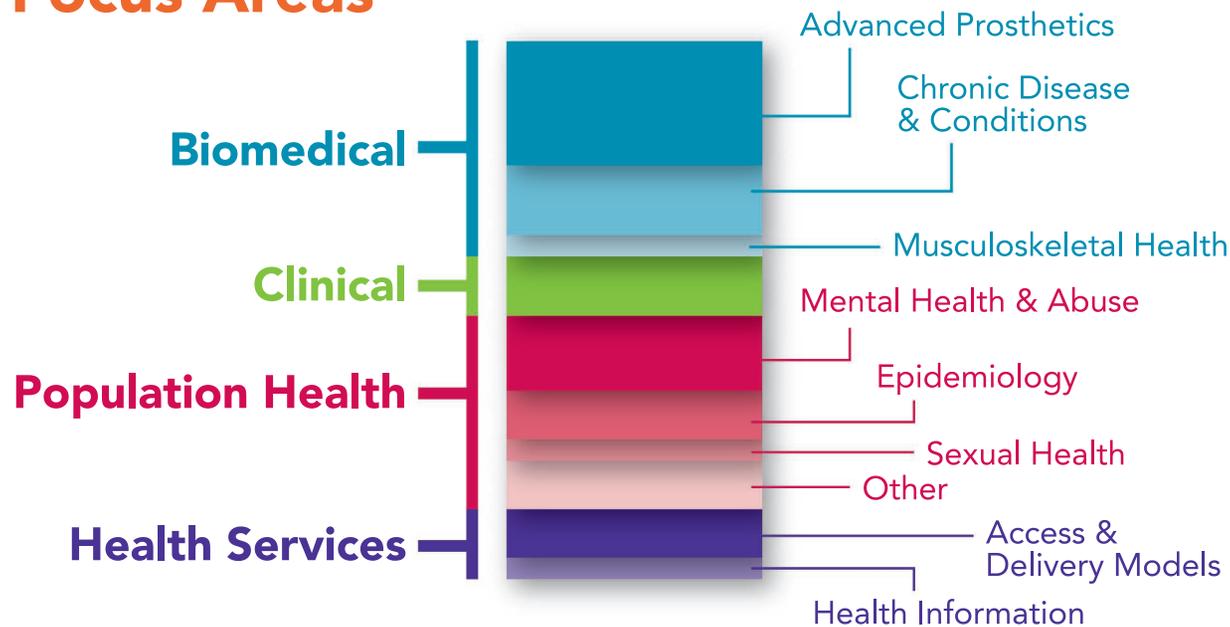
of Health Research (CIHR): biomedical, clinical, population health, and health systems. As a comprehensive university, UNB explores these human health research themes from diverse perspectives.

Biomedical engineering research into advanced prosthetics, musculoskeletal health, and rehabilitation have become prominent research areas for the university. In fact, the Institute of

Biomedical Engineering (IBME) is recognized as one of the top five research organizations of its kind in the world. Biomedical research into chronic disease is a longstanding research area at UNB, but has grown with the partnership established with Dalhousie Medicine New Brunswick (DMNB) in 2008. This partnership has since been expanded to form the Tucker Park Collaborative which also includes the New Brunswick Community College and the Horizon Health Network. Clinical research topics explored at UNB include neuromuscular function, human movement, chronic illness, and pain.

Population health research is another strength area for UNB. Research covers a very broad spectrum of topics and involves numerous researchers from many disciplines. The promotion of physical and mental health, emotional wellness, and human development is a major thrust. Mental health, the health effects of abuse, epidemiology, and sexual health, are prominent research areas; however, world class research is also carried out on a myriad of other population health topics, such as the social determinants of health.

## Research Focus Areas



Health services research at UNB is approached in a highly collaborative and interdisciplinary manner. UNB is a major participant in the Atlantic Regional Training Centre in Applied Health Services Research, and acts as scientific lead for the New Brunswick Strategic Patient Oriented Research Network in Primary and

Integrated Community Health Care. Health Information research is supported by UNB's New Brunswick Institute for Research, Data and Training (NB-IRDT) which provides physical and database infrastructure necessary for researchers to conduct leading population research on health and

wellness. UNB researchers are also developing knowledge navigation systems (including semantic technologies) and registries to support health care research and services.

90

Average number of faculty undertaking research in this area each year

\$3.8 million

Average amount of funding received for research in this area each year

110

Average number of research projects in this area each year

22 Faculties and Departments pursuing research in this area

- **Arts (Fredericton)**
  - Anthropology
  - Economics
  - History
  - Psychology
  - Sociology
- **Arts (Saint John)**
  - Psychology
  - Social Sciences
- **Computer Science**
- **Education**
- **Engineering**
  - Chemical Engineering
  - Electrical and Computer Engineering
  - Mechanical Engineering
- **Forestry and Environmental Management**
- **Kinesiology**
- **Nursing**
- **Science**
  - Chemistry
  - Mathematics and Statistics
  - Physics
- **Science, Applied Science and Engineering**
  - Biological Sciences
  - Computer Science
  - Nursing and Health Sciences
- **Renaissance College**

12 Facilities and Groups conducting research in this area

- **Institutes and Centres**
  - Centre for Criminal Justice Studies
  - Chronic Illness Research Institute (CIRI)
  - Institute of Biomedical Engineering (IBME)
  - Muriel McQueen Fergusson Centre for Family Violence Research (MMFC)
  - New Brunswick Institute for Research, Data and Training (NB-IRDT)
- **Labs and Research Groups**
  - Andrew and Marjorie McCain Human Performance Lab (HPL)
  - Atlantic Clinic for Upper Limb Prosthetics
  - Center for Dermoskeletal Research
  - Health and Education Research Group (HERG)
  - Natural Products Research Group (NPRG)
  - UNB Community Health Clinic (CHC)
  - UNB Joanna Briggs Institute Evidence Synthesis Group (ESG)

6 Research Chairs engaging in research in this area

- **Canada Research Chairs**
  - Adolescent Sexual Health Behaviour
  - Population Health Inequalities
- **Other Research Chairs**
  - NB Innovation Research Chair in Medical Devices
  - Jarislowsky Chair in Interprofessional Patient-Centred Care
  - UNB-CCRF Research Chair in Musculoskeletal Health
  - Canadian Cancer Society Research Chair