



Canadian Statistical Sciences Institute  
Institut canadien des sciences statistiques  
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## **CANSSI Health Science Collaborating Centre Web Page Information**

**Name of HSCC:** Maritime Statistical and Health Sciences Collaborating Centre (MSHSCC)

**Director and/or others in leadership roles (Please list name and role):**

Ying Zhang (Director, Acadia University; Administrator of MSHSCC (2018-2019))  
Renjun Ma (Director, University of New Brunswick)  
Bruce Smith (Director, Dalhousie University)  
Henrik Stryhn (Director, University Prince Edward Island)

**Affiliated universities and organizations:**

Maritime university programs

- Department of Mathematics and Statistics, Acadia University
- Department of Mathematics and Statistics, University of New Brunswick
- Department of Mathematics and Statistics, Dalhousie University
- Department of Community Health & Epidemiology (CH&E), Dalhousie University
- College of Pharmacy, Dalhousie University
- Atlantic Veterinary College (AVC), University of Prince Edward Island
- Department of Applied Human Sciences, University of Prince Edward Island

Health Science Organizations

- Maritime SPOR SUPPORT Unit (MSSU)
- Canadian Center for Vaccinology (CCfV)
- Canadian Network for Observational Drug Effect Studies (CNODES)
- Health Data Nova Scotia (HDNS)
- Health Prince Edward Island (PEI)
- PEI Cancer Treatment Centre
- New Brunswick Institution for Research, Data and Training (NB-IRDT)
- Initiative on Medication Management, Policy Analysis, Research & Training (IMPART),  
College of Pharmacy, Dalhousie

**Contact information (address, phone number, email for general inquiries):**

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**Brief description about this HSCC (1-2 paragraphs):**

The Maritimes have a very long health research history and rich research resources. There are various health organizations, medical faculties, and health research centres/networks. One advantage in the Maritime region is the well-organized and comprehensive provincial healthcare databases that motivate many evidence-based health research projects. These projects often require significant data linkage, data processing, and high quality statistical analyses and modelling procedures. Hence, in this region, there is a high demand for collaboration between health researchers and statistical scientists. The research groups from Acadia University, Dalhousie University, University of New Brunswick and the University of Prince Edward Island have active faculty researchers and students with access to excellent facilities. Specific research outcomes range from methodological developments in areas such as pharmacoepidemiology and drug safety, patient reported research outcomes, and human genetics, to knowledge translation tools such as novel clinical decision support systems and open source statistical packages. The mission of MSHSCC is to strengthen ties among our statistical science programs and our regional/provincial health organizations. This will make our students more competitive in the employment market and build research capacity in health sciences research, leading to improvements in health care.

**Brief description about the training program offered at this HSCC (a detailed description is also welcome if you prefer):**

MSHSCC acts like a platform to coordinate/exchange collaborative research and training programs/projects, through experiential learning placements (such as co-op, internship positions) in health organizations, or student training positions offered by health organizations; and collaborative education among participating institutes. Collaborative education and training is expected to be developed over the coming years as closer links are being established between university environments and health science organizations. The initiatives will most likely be specific to the different types of training programs within the region.

**Any other information that you'd like us to include:**

Please include at least one photo that can be used on the page. We'll also use the graphic that we've created for you. If you have any changes that you'd like us to make on your graphic, please let us know.

# MARITIME

## Statistical and Health Science Collaborating Centre



UNIVERSITY  
of Prince Edward  
ISLAND



DALHOUSIE  
UNIVERSITY



ACADIA  
UNIVERSITY



EST. 1785  
UNIVERSITY OF NEW BRUNSWICK

## MSHSCC Chart

