

2024 HEALTH RESEARCH SYMPOSIUM

Conference Program

Moncton, New Brunswick
November 14 - 15, 2024

Delta Hotels by Marriott Beausejour
750 Main St, Moncton, New Brunswick



About ResearchNB

ResearchNB supports research in New Brunswick. With a mission to power discovery together, ResearchNB funds leading edge research, promotes research excellence, and connects the dots across the agriculture, forestry, oceans, health, and energy sectors to build a well-funded and impactful research ecosystem.

About the Health Research Symposium 2024

The Health Research Symposium is an annual must-attend event for healthcare leaders, research innovators, and policy makers. This year's theme, "Powering Discovery Together", goes beyond theory, focusing on the impact of research on real-world health outcomes. The event has four presentation streams across the Canadian Institutes of Health Research pillars:

Event Tracks:

- Biomedical Breakthroughs: Advancing Health Through Discovery
- Clinical Conversations: From Trials to Treatment
- Health Systems in Focus: Enhancing Health Services and Policies
- People and Places: Insights into Population and Environmental Health

Join us on November 14th and 15th, 2024, at the Delta Beausejour Hotel in Moncton for an unforgettable event!

Conference Program



Our Sponsors

The 2024 Health Research Symposium would not be possible without the generous contributions of our sponsoring partners:

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Keynote Speakers

E-Patient Dave – Dave DeBronkart

Advocate and Activist



Dave deBronkart, known on the internet as e-Patient Dave, is the author of the highly rated *Let Patients Help: A Patient Engagement Handbook* and one of the world's leading advocates for patient engagement. After beating stage IV kidney cancer in 2007 he became a blogger, health policy advisor and international keynote speaker. An accomplished speaker in his professional life before cancer, he is today the best-known spokesman for the patient engagement movement, attending over 650 conferences and policy meetings in 26 countries, including testifying in Washington for patient access to the medical record under Meaningful Use.

A co-founder and chair emeritus of the Society for Participatory Medicine, e-Patient Dave has appeared in *Time*, *U.S. News*, *USA Today*, *Wired*, *MIT Technology Review*, and the *HealthLeaders* cover story "Patient of the Future." His writings have been published in the *British Medical Journal*, the *Patient Experience Journal*, *iHealthBeat*, and the conference journal of the American Society for Clinical Oncology. In 2009 *HealthLeaders* named him and his doctor to their annual list of "20 People Who Make Healthcare Better," and he's appeared on the cover of *Healthcare IT News* and the Australian GP magazine *Good Practice*.

Dave's TED Talk *Let Patients Help* went viral, and for years was in the top half of the most viewed TED Talks of all time with over a half million views; volunteers have added subtitles in 26 languages, indicating the global appeal of his message. In 2012 the National Library of Medicine announced that it's capturing his blog in its History of Medicine Division, and he was the Mayo Clinic's 2015 Visiting Professor in Internal Medicine.



Keynote Presentations for the Health Research Symposium 2024
have generously been sponsored by AstraZeneca Canada & BeiGene Canada.

Conference Program



Keynote Speakers

The Hon. Maryam Monsef

Founder & CEO, ONWARD



From 2015–2021, the Honourable Maryam Monsef served as Canada’s Minister for Democratic Institutions, Minister for the Status of Women, Minister of International Development, and Minister of Rural Economic Development. She also established Canada’s first full department for Women and Gender Equality. Today, as the founder and CEO of ONWARD, Monsef continues to advance her vision for a world where women and their families are thriving. She is a globally recognized feminist, leader, and changemaker who equips audiences with effective DEI strategies while sharing hard-earned lessons on leadership and resilience.

For two consecutive years, Monsef was recognized by Apolitical, as well as Ruth Bader Ginsburg, Michelle Obama, and Malala, as one of the “Top 20 Global Influencers on Gender Equality”. After leaving politics, she founded ONWARD to build a community that empowers, connects, and supports women. It also acts as a resource for professional women feeling stuck at a difficult point in their lives.

An Afghan Canadian, Monsef came to Canada as a refugee. In 2015, she was elected as a Member of Parliament for Peterborough–Kawartha and joined Prime Minister Justin Trudeau’s Cabinet. She was tasked with driving social and economic justice files for the Government of Can-

ada, both at home and abroad. Under her stewardship, Canada was recognized as a world leader in sexual and reproductive health and rights, for its investments in domestic and international grassroots women’s organizations, and for its intersectional response to COVID-19.

Monsef currently chairs the Women United Campaign with the United Way Peterborough and District, is involved with the Trent University community, and works closely with Afghan women human rights defenders and other high-impact teams locally, nationally, and globally. Throughout her political career, Monsef has spoken at several high-profile events, including The World Economic Forum, the G7, the G20, and in front of the UN.



Keynote Presentations for the Health Research Symposium 2024
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Conference Program



Keynote Speakers

Dr. Kenneth Rockwood

Professor of Medicine (Geriatric Medicine & Neurology) and Clinical Research Professor of Frailty & Aging at Dalhousie University



Kenneth Rockwood, OC, MD, MPA, FRCPC, FRCP, is Professor of Medicine (Geriatric Medicine & Neurology) and Clinical Research Professor of Frailty & Aging at Dalhousie University. He has key roles on many studies of frailty and dementia in Canada and elsewhere. Ken's MD is from Memorial University in St. John's, NL in 1985. He completed training in Internal Medicine at the University of Alberta, and in Geriatric Medicine at Dalhousie. Since 1991 he has been a staff physician at Nova Scotia Health and since 2021 Senior Medical Director of its Frailty & Elder Care Network. Also, in 2021 Ken received the Ryman Prize. Awarded by the Prime Minister of New Zealand "the Ryman" is for the best work carried out anywhere that has enhanced quality of life for older people. Several honours have followed, recently capped by being named as an Officer of the Order of Canada. This is recognized in his home province as being "not too shabby for a Newfoundlander".

Committee of Reviewers

Thank you to our Committee of Reviewers who generously volunteered their time completing the peer review of abstracts for Health Research Symposium 2024.



Alli Murugesan



Andrew Flewelling



Caroline Jose



Colum Connolly



Dana El-Mughayyar



Donaldo Canales



Eden Richardson



Erin Bigney



James Ayles



Lisa Best



Martin Senechal



Saïd Mekary



Sarah Melville



Sean Wiseman



Tracy Freeze

Not Pictured

Marc Surette

Pamela Hachey

Sandra Turcotte

Vickie Plourde

Conference Program



Conference Agenda

Thursday, November 14th

Time	Event	Description
8:00 am to 8:30 am	Registration Location: Registration Desk	Participants will register and receive their name badge.
8:30 am to 9:00 am	Welcoming Remarks Location: Ballroom A&B	Welcoming remarks by Pat Whalen - ResearchNB's Board Chair Pre-recorded remarks - Dr. Theresa Tam
9:00 am to 10:00 am	Keynote Speaker Location: Ballroom A&B	Keynote Presentation by Dave deBronkaert (e-Patient Dave) entitled, Artificial Intelligence and the Future of Patient Partnerships in Health Care , followed by a 15-mins question period.
10:00 am to 10:15 am	Health Break	
10:15 am to 11:15 am	Presentations <u>Breakout rooms</u> • Ballroom A&B • Ballroom C • Shediac B • Shediac C	Panel & Oral Presentations • Panel: Choosing Wisely: Improving the Health Care System through Accessible and Appropriate Use of Tests and Treatment Options • Oral Presentations: Clinical Conversations <ul style="list-style-type: none"> ◊ Asynchronous simulation-based training of resuscitative transesophageal echocardiography in emergency physicians (K. Chandra) ◊ Establishing Functional Genomics-Oriented Capacity at New Brunswick Community College (K. Brymer) ◊ A Sex-based Evaluation and Identification of Novel Cytokine Signatures in New Brunswickers with Obesity and Diabetes (S. Mahmood) • Oral Presentations: Health Systems <ul style="list-style-type: none"> ◊ Brief simulation-based TEE training in cardiac arrest (K. Dolan) ◊ Perceived Experience of Patients with a Hybrid Cardiac Rehabilitation Program (P. Tanguay) ◊ Artificial Intelligence (Deep Learning) for Seizure Detection using Electroencephalogram (H. Gayap Tagheu) • Panel: The Future of Precision Medicine in Atlantic Canada

Conference Agenda

Thursday, November 14th

Time	Event	Description
11:15 am to 12:30 pm	Poster Presentations & Booths Location: Acadie Room	Participants and judges explore poster presentations and conference booths.
12:30 pm to 1:15 pm	Lunch Location: Ballroom A&B / Buffet food lines in Mezzanine.	
1:15 pm to 1:30 pm	Call to Action Location: Ballroom A&B	McKenna Institute Call to Action: Shopper's Drug Mart 100 Day Challenge.
1:30 pm to 2:30 pm	Keynote Speaker Location: Ballroom A&B	Keynote Presentation by the Hon. Maryam Monsef, entitled, Leadership Opportunities for NB: Data Sharing and Disaggregated Data , followed by a 15-mins question period.
2:30 pm to 2:45 pm	Health Break	
2:45 pm to 3:45 pm	Presentations <u>Breakout rooms</u> • Ballroom A&B • Ballroom C	Panel & Oral Presentations • Panel: The Road to Innovation: Building a Learning Health System in New Brunswick through Cross-Sectoral Partnerships • Oral Presentations: Biomedical Breakthroughs <ul style="list-style-type: none"> ◊ Role of transcription factor E3 in cardiac metabolism and function (G. Kaur) ◊ Examining the effect of insulin on neuronal signalling in the rat dorsomedial hypothalamus (C. Laurejís) ◊ Beyond Prosthetics: Emerging Opportunities and Avenues for Myoelectric Control in Health (E. Eddy)

Conference Agenda

Thursday, November 14th

Time	Event	Description
2:45 pm to 3:45 pm	Presentations <u>Breakout rooms</u> <ul style="list-style-type: none">• Shediac B• Shediac C	Panel & Oral Presentations <ul style="list-style-type: none">• Oral Presentations: Population Health<ul style="list-style-type: none">◊ Tell me your story: The impact of diagnostic journey with autoimmune disease on wellbeing (K. Hebert)◊ Was Eastern Door's TES model of FASD prevention effective— a 20-year comparison of FASD prevalence and associated protective factors in a Wabanaki First Nations in NB (L. Cox)◊ The Impacts of Extreme Flooding on Mental Health in New Brunswick (S. Magalhaes)• Panel: The Atlantic Clinical Trials Network: An Atlantic Canadian Approach to Health Policy Innovation
3:45 pm to 5:00 pm	Poster Presentations & Booths Location: Acadie Room	Participants and judges explore poster presentations and conference booths.
6:00 pm to 7:30 pm	Cocktail Reception Location: Mezzanine	Reception offered in the Mezzanine of the Delta Beausejour Hotel.
7:30 pm to 11:00 pm	Gala Dinner & Dance Location: Ballroom A&B	Dinner, drinks, award ceremony and evening of dancing.
11:00 pm to 1:00 am	Late Night Party Location: Acadie Room	Conference attendees can continue their evening in the Acadie room.

Conference Agenda

Friday, November 15th

Time	Event	Description
7:30 am to 8:30 am	Mentor Breakfast Location: Ballroom A&B	Senior researchers will connect with students and research assistants for an informal discussion on career paths, research interests, and more. *Limited spaces available. Registration is required*
8:00 am to 8:45 am	Announcement: Oncology Research Location: Shediac C	BeiGene Canada will announce funding for two research projects and host a brief discussion on oncology research funding in NB.
9:00 am to 9:15 am	Welcoming Remarks Location: Ballroom A&B	Welcoming Remarks from the ResearchNB Chair of the Board of Directors, Pat Whalen
9:15 am to 10:15 am	Keynote Speaker Location: Ballroom A&B	Keynote Presentation by Dr. Kenneth Rockwood, entitled, Tackling Eldercare in NS; the Frailty Eldercare Network , followed by a 15-mins question period.
10:15 am to 10:30 am	Health Break	
10:30 am to 11:30 am	Oral Presentations Breakout rooms • Ballroom A&B	Four streams in breakout rooms, 3 presenters per stream. • Oral Presentations: Biomedical Breakthroughs <ul style="list-style-type: none">♦ Quantum Insights into Drug Design: A Novel Approach to Protein-Ligand Interactions (M. Javaheri Moghadam)♦ tRNA Fragments Extracted From Patient Plasma Extra Cellular Vesicles Display Potential As Biomarkers for High-Grade Glioma (J. Roy)♦ Modulation of nucleo-cytoplasmic protein partitioning delays cognitive decline in a murine Alzheimer's disease model (L. Lapierre)



The Mentor Breakfast for the Health Research Symposium 2024 has generously been sponsored by Novartis.

Conference Program



Conference Agenda

Friday, November 15th

Time	Event	Description
10:30 am to 11:30 am	Oral Presentations Breakout rooms <ul style="list-style-type: none"> • Ballroom C • Shediak B • Shediak C 	Four streams in breakout rooms, 3 presenters per stream. <ul style="list-style-type: none"> • Oral Presentations: Clinical Conversations <ul style="list-style-type: none"> ◇ Current Prescribing Patterns of Hospital & Satellite Hemodialysis Centres in New Brunswick, Canada: A Horizon Health Network (HHN)-Wide Clinical Observational Study (J. Michaud) ◇ Qualitative Exploration of EMG Activity Visual Feedback for Spinal Cord Injury Hand Function Rehabilitation (J. Aikens) ◇ The Wellness 55™ Pilot Program: Creation of a geographically distributed, community based, primary prevention program for seniors in New Brunswick (D. Elias) • Oral Presentations: Health Systems <ul style="list-style-type: none"> ◇ Individual differences in views toward health care conversational agents: A cross-sectional survey study (A. Luke MacNeill) ◇ Nurse turnover intentions: a mixed method study (A. Rhéaume) ◇ The Hospital-to-Home Pharmacy Project: A Crucial Step Towards Improving Medication Management after Discharge (S. Oakes) • Oral Presentations: Population Health <ul style="list-style-type: none"> ◇ Development and validation of Super Learner models to predict second-generational fetal growth abnormalities: a retrospective cohort study (M. Brown) ◇ Coming Together for Aging in Place: The Nursing Home Without Walls Program (S. Dupuis-Blanchard) ◇ Screening for Tuberculosis Infection Among Immigrants in Southern New Brunswick: A Pilot Study (I. Shamputa)
11:30 am to 12:00 pm	Awards Presentation & Closing Ceremony Location: Ballroom A&B	Prizes are announced & closing remarks.
12:00 pm	Boxed Lunches	



The Boxed Lunches for the Health Research Symposium 2024 has generously been sponsored by Amgen.

Conference Program



Panel Discussions

The Future of Precision Medicine in Atlantic Canada

Panelists



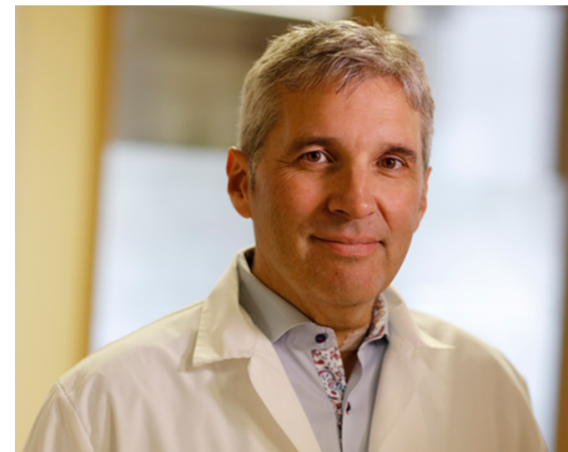
Dr. Nicholas Crapoulet

Clinical Specialist in Molecular Genetics, Vitalité Health Network



Dr. Mark Embrett

Lead Implementation Scientist,
Nova Scotia Health



Dr. Rodney Ouellette

Founder & Senior Scientist,
Atlantic Cancer Research Institute



Moderated by

Maha Imazitene

Director of Research
ResearchNB



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Conference Program



Panel Discussions

Choosing Wisely: Improving the Health Care System through Accessible and Appropriate Use of Tests and Treatment Options

Panelists



Dr. Eric Levasseur

Chief of Staff
Réseau de Santé Vitalité



Dr. Gwyneth deVries

Assistant Professor, Surgery,
Dalhousie University and
Memorial University of Newfoundland



Dr. Ihssan Bouhtiauy

Clinical Chief of Biochemistry
Réseau de Santé Vitalité



Moderated by

Réne Boudreau

Chief Executive Officer
New Brunswick Medical Society



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Conference Program



Panel Discussions

The Road to Innovation: Building a Learning Health System in New Brunswick through Cross-Sectoral Partnerships

Panelists



Dr. Daniel Edgcumbe

Vice-President, Medical,
Roche Canada



Jennifer Sheils

Vice-President of Strategy,
Transformation and Chief Innovation
Officer, Horizon Health Network



Dr. Mahmoud Abdelsalam

Medical Oncologist,
Horizon Health Network



Moderated by

Chris Dickie

Acting Chief Executive Officer
ResearchNB



Sponsored by Roche

Conference Program



Panel Discussions

The Atlantic Clinical Trials Network: An Atlantic Canadian Approach to Health Policy Innovation

Panelists



Ashley Hilchie

Senior Director, Research,
Nova Scotia Health



Brigitte Sonier-Ferguson

Senior Vice-President of
Performance, University Mission and
Strategies, Vitalité Health Network



Jacqueline Leger

Director of the Human Research
Protection Program,
Horizon Health Network



Liam Kelly

Regional Director of
Research & Innovation,
Eastern Health Authority



Moderated by

Candice Pollack

Director of External Affairs
ResearchNB



Sponsored by Innovative
Medicine Canada (IMC)

Conference Program



Poster Presentations

Biomedical

Alex Boudreau	Deconvolution of Circulating RNA : Insights from Cancerous and Hematopoietic Cell Lines
Bianca Cormier	From fragmented services to integrated care: The role of interdisciplinary teams in addressing the complex needs of individuals coping with PPCS
Alli Murugesan	Evaluating the Potential of Bee Glue Molecules as Novel Treatments for Non-Hodgkin Lymphoma: RNA Sequencing Analyses
Brooke Peters	Assessing the spatial gait parameters of a portable gait analysis system: a validation study.
Chloe Michaud	Heteropic 3D spheroid model to evaluate combinatory treatment in kidney cancer
Christian Leger	Sucralose Toxicity in Healthy Human Intestinal Epithelial Cells and Mouse Enteroendocrine Cancer Cells
Christian Morrell	Exploring Breath Profile Variability to Enable Early Disease Detection
Dustin McKee	Evaluating Mortality in STEMI Patients during the COVID-19 Pandemic: A Provincial Retrospective Analysis
Elnaz Roudi	A Comparison of Shoulder Kinematics and Neuromuscular Activity in Eleven Patient Transfer Techniques
Evan deGooyer	Efficacy of virtual reality exergaming on cardiovascular exercise in persons with spinal cord injury or disease
Frieda Jabbari	Cognitive-motor interference in people with multiple sclerosis
Hannah Isaac	Examining the Role of Health Locus of Control, Self-Efficacy, and Stigma on Treatment Adherence in Asthma Patients
Hélène Corriveau	Mothers' perceptions of Community Social Pediatrics services: A qualitative study

Poster Presentations

Biomedical

Inas Al-Younis	N-Acetyl-Cysteine treatment diminishes oxidative stress in patients with Acadian Fanconi Syndrome
Jacob Saucier	Shaping the Genetic Landscape of ATXN2; Insights from a Novel Autosomal Recessive CAG Repeat Expansion at the Spinocerebellar Ataxia Type 2 Locus in a Homozygous Acadian Family
Jessica Darmendre	Machine learning approaches and synthetic training data for the characterization of IGHV recombination in Chronic Lymphocytic Leukemia (CLL)
Jolène Cormier	A role for PIKfyve in kidney cancer tumor progression
Charlene Vincent On behalf of Kelly Scott-Storey	Associations between Cumulative Lifetime Violence Severity and Health in Canadian Men
Madeline Shivgulam	Sedentary Time and Television Viewing Time Increase Risk for All-Cause Mortality Regardless of Physical Activity: An Umbrella Review and Harmonized Dose-Response Meta-Analysis
Madison Holmes	Comparison of manual handling and assistive technology during patient handling : An assessment of two techniques
Marie-France Soucy	Platelet-Derived Microvesicles Modulate the Bioenergetic and Inflammatory Phenotype of Human Neutrophils
Marie-Helene Thibault	The potential of biodegradable composite materials in tissue engineering, a field with growing importance in healthcare
Marie-Pier Mazerolle	Core Competencies of the Public Health Workforce in Climate Change and Extreme Weather Events Preparedness, Response, and Recovery: A Scoping Review
Mathieu Johnson	SETD2-inactivation in clear cell renal cell carcinoma confers vulnerability to STF-62247
Max Merilovich	Role of Secretion Associated Ras-related GTPase-1B (Sar1B) in Muscle Insulin Signaling and Metabolism
Mika Robichaud	Characterization and metabolic stability of caffeic acid derivatives and bioisosteres with potential anti-inflammatory activities

Poster Presentations

Biomedical

Mohamed Touaibia	New α -cyanocinnamate analogues with anti-inflammatory activity, synthesis and structure-activity relationship
Neeru Gupta	Geographic and gender imbalances in the oral health workforce
Paskale Pineau	Murine 12/15-Lipoxygenase contributes to the progression of inflammatory arthritis
Patric Page	VHL/HIF α -dependent overexpression of miR-1271-5p in Clear Cell Renal Cell Carcinoma
Peter Oni	Characterizing N-Lactoyl-phenylalanine (Lac-Phe) - G protein-coupled receptors (GPCRs) signalling interaction
Robyn Larracy	Deep Learning of Force Plate Measurements for Monitoring Gait Rehabilitation Progress
Sarah Gander	Innovating Pediatric Care for Children referred for Behaviors that Challenge and Psychosocial Complexity: A Community Social Pediatrics model in Saint John, NB
Sina Ardalan	Regeneration of Screen-Printed Gold Electrodes by Air Plasma Cleaning
Souraya Mahamat Sougoudji	Measuring physical activity in people before and after bariatric surgery
Tracy Freeze	The New Brunswick Colon Cancer Screening Program: Are above average risk residents falling through the cracks?
Vanessa Gauvin	The Expression of 12-Lipoxygenase in Megakaryocytes Modulates Platelet Production
Woodland Jen	Insights into the Role of Resource Teachers: Navigating the Care and Treatment of Children with Type 1 Diabetes in Elementary School Environments

Poster Presentations

Clinical

Attiq Rehman	Rapid detection of Legionella pneumophila by a novel viability qPCR assay
Amy Thomson	The Impact of Type 2 Diabetes Duration on Physical Functioning, Frailty Status, and Glycemia After 16 Weeks of Resistance Training: Results from the Band-Frail Study
Benny Habiyambere	Targeting macrophages by liposome or niosome-engineered drug delivery vehicles to attenuate cytokine stress
Chinemelum Oragui	Engineering Machine Learning Algorithms to Facilitate the Diagnosis of Transthyretin Amyloidosis Cardiomyopathy
Claire Wilbur	Collaboration Between Interventional Cardiology and Cardiac Surgery to Achieve the Best Outcomes in Highest Risk CHIP-PCI
Daniel Smith	Which psychosocial measures are most strongly related to surgical outcomes in patients with degenerative pathology of the spine?
Gabrielle Kenny	Overcoming Barriers to Cardiac Rehabilitation Survey Recruitment of Older Adult Patients with Cardiovascular Disease and Multimorbidity
Jaël Richard	Platelet-Derived 12-Lipoxygenase Expression Increase the Severity of Inflammatory Arthritis in VIVO
Jaide Cashin	Preventing Adverse Childhood Experiences Through Early Interventions
Janie Cormier	A Comparison of the Physiological Responses During Different Patient Handling Techniques With and Without the Use of Technology
Jenna Hepburn	Exploring Patterns of Emergency Department Use for People Experiencing Homelessness in New Brunswick

Poster Presentations

Clinical

Jennifer Hakim	Exploration qualitative des exigences de travail des infirmières francophones au Nouveau-Brunswick : lien avec la satisfaction au travail et l'intention de rester
Kavish Chandra	Post-intubation analgesia and sedation for intubated ED patient: Introduction of an education intervention
Kylie Streeter	Blood Biomarkers for Obstructive Sleep Apnea: A Systematic Review
Madeline Power	Plantar capsule release combined with tenotomy for the release of a rigid hammertoe –cadaveric study.
Malcolm MacKinnon	Does distance from the tertiary care centre play a determining role in STEMI outcomes? The New Brunswick perspective and experience in "Rescue PCI"
Malcolm MacKinnon	How the Pandemic affected ICU patient flow following cardiac surgery: an integrated perspective
Molly Courish	The Impact of a Traumatic Brain Injury on Frailty in the Canadian Longitudinal Study on Aging
Mounira Chaiani	Automated Primary Site Verification in Telepathology
Oreoluwa Alugo	Feasibility of 3D Printing Technology as a Method for Preoperative Reconstructive Surgical Planning
Sarah Lunney	Preventing Adverse Childhood Experiences by Addressing Violence
Sarah Melville	Current Prescribing Patterns of Hospital & Satellite Hemodialysis Centres in New Brunswick, Canada: A Horizon Health Network (HHN)-Wide Clinical Observational Study

Poster Presentations

Clinical

Sufyan Faridi	Examining the impact of re-revision spine surgery on pain, disability, mental health, satisfaction, and length of stay: a Canadian Spine Outcomes and Research Network (CSORN) study
Thierry Perreault-Carranza	Repeatability and Agreement of Optical Biometry Measurements and Predicted Intraocular Lens Power Between Three SS-OCT Devices.
Thomas Camp	Minimally Invasive vs. Open Surgery for Lumbar Spinal Stenosis in Patients with an ASA Score Greater than 2 – A CSORN Study
Thomas Camp	The Impact of Cardiovascular Risk Scores as Measured with the Alberta Heart Disease Risk Calculator on the Outcomes of Lumbar Fusion Surgery
Tracy Freeze	Sex Inequalities in Head CT Scanning for Minor and Mild Head Injuries in Older Adults
Vera Chen	Understanding and Preventing Traumatic Spinal Cord Injury in New Brunswick: A Retrospective Analysis of Trending Epidemiology
Vera Chen	Interchangeability of serum/plasma electrolytes and metabolites on Radiometer ABL 837 vs Roche Cobas 8000
Véronique Thibault	Longitudinal associations between weight-control status and lifestyle behaviors during adolescence
Vickie Plourde	Ultra-brief group cognitive-behavioural therapy targeting organization, time management and planning strategies with university students: Preliminary results
Zeinab Dalloul	Enhancing Cancer Immunotherapy Efficacy: Translating Profiles of Human Circulating Extracellular Vesicles into Therapies Using Humanized Mouse Models

Poster Presentations

Health Systems

Alexis Dubé	An Investigation of the Physical Task Demands of Caregivers Working in a Long-Term Care Facility
Breau Myriam	Influence of nurse resources on hospital patient mortality – A retrospective 5-years study.
Charlotte Schwarz	Case management for individuals with complex care needs: Factors assisting and hindering program implementation
Chloé McLaughlin	Promoting Physical Activity Among Community-dwelling Seniors Living in a Francophone Rural Area in New Brunswick: A Pre-implementation Qualitative Study
Chloé Michaud	Targeting ferroptosis in malignant pleural mesothelioma linked to asbestos exposure to improve treatment response
Cynthia Dion	Pressure Distribution of the Patient during Patient Handling
Devin Manning	New Brunswick Pharmacoepidemiology Hub: an expansion of the Canadian Network of Observational Drug Effect Studies
Devin Manning	Publicly funded prescription drugs dispensed to community dwelling New Brunswick older adults following hospital discharge for myocardial infarction between 2009 and 2017.
Faith Igogo	Understanding Newcomers Experience in Accessing Healthcare Services for their Children upon arriving in Canada
Hirbod Abootalebi	Assessing Articular Cartilage and CFL Damage Following Fibular Nailing: A Cadaveric Study.
Jennifer Akerman	Barriers and Promising Practices in Accessing Stable Housing for Birthing People who Use Substances (BPWUS) in New Brunswick: A Mixed-Methods Study
Joelynn Annoh-Kwafo	Youth Substance Use in Southern New Brunswick: A Literature Review and Local Landscape of Presentation and Outcomes

Poster Presentations

Health Systems

Joey Frenette	Overtired and Overworked : The effects of sleep and work conditions on mental health outcomes of New Brunswick Truck Drivers
Julie Robichaud	Arachidonic acid remodeling in T cells
Jun Guo	Transcriptomic Profiling of Mice Hearts Reveals Sex- and Diet-Specific Modulation of Genes Involved in Lysophosphatidic Acid Signaling
Sherry Gionet On behalf of Karla Faig	Transitions in Care for Older Adults: The Need for Collaboration and Transformational Change
Kate Harback	Transforming Healthcare with Real-World Evidence: Leveraging Provincial Data for Outcomes-Based Agreements
Katelyn (Katie) Gowlett	Evaluating Ketamine Dosing Accuracy During Endotracheal Intubation: The Impact of Shock Index in Emergency Settings
Katherine Houser	Barriers and enablers of interprofessional collaboration in primary health care teams in New Brunswick
Katie Campbell	Using Local Patient Data and Curiosity-Driven Algorithms to Provide Preliminary Insights for Personalized Spinal Cord Injury Rehabilitation
Liam Breckenridge	How often are Residents from Special Care Homes visiting the Emergency Department?
Lillian MacNeill	Enhancing Care Integration and Accessibility through Patient Navigation
Logan Peskett	Impact of Early and Late Morning Blood Flow Restriction Training on Body Composition and Skeletal Muscle Performance in Older Inactive Adults

Poster Presentations

Health Systems

Luke MacNeill	Exploring interest in a chatbot for patient navigation: Insights from an online survey
Maria Arsenault	L'évaluation d'un programme d'exercices communautaire pour la prévention des chutes chez les personnes âgées de 50 ans et plus
Meaghan Sawyer	Développement d'un outil de planification et de priorisation des effectifs médicaux
Mohamed Chetoui	Retinopathy detection using federated learning
Mohamed Chetoui	Diabetic retinopathy detection using smartphone
Mwalu Peeters	Why is compensating patient partners in health research so complicated? A qualitative descriptive study
Myriam Breau	Effets de l'expérience du choc de la réalité et du stress sur l'intention de quitter des personnes étudiantes en soins infirmiers : Une étude a devis mixte.
Nathalie Gould	Navigating towards Healthcare for People Experiencing and At Risk of Homelessness
Obinna Esomchukwu	Effect of Ab-Interno Canaloplasty on Intraocular Pressure and Glaucoma Medication Reduction
Rajan Minocha-McKenney	Role of Taurine and Lac-Phe in Cardiovascular and Biochemical Adaptations to Diel Cycling Hypoxia in Brook Char
Randi Mahabir	The Impact of a Dedicated Aortic Program on Cardiac Surgical Care Delivery at the New Brunswick Heart Centre

Poster Presentations

Health Systems

Rose McCloskey	Quality of Work Life among New Brunswick's Nursing Home Staff
Samantha Fowler	Uncovering the Gaps in Breastfeeding Knowledge and Education: Insights from Healthcare Providers and Lactating Parents.
Matthew Stackhouse On behalf of Sandra Magalhaes	Prenatal care experiences of first-time mothers who experience socioeconomic vulnerabilities across New Brunswick
Sara Ghazi	Structure-Photoprotective Capacity Relationship of Phenolic Hydroxyl, Methoxy, and Ethenyl Linker Moieties of Phenolic Acids
Sarah Bridges	"It makes my life so much simpler": Utilizing telehealth for rural oncology patients in Health Zone 3.
Sébastien Hébert	Experiences, benefits and challenges of people with lower limb loss towards a hip and core targeted exercise program
Siyum Mohiuddin	Identifying the Optimal Position for Minimally Invasive 1st Metatarsal Osteotomy for Hallux Valgus Reconstruction: A Cadaveric Study
Sophie Rayner	Frailty Moderates the Relation Between Moderate-to-Vigorous Physical Activity & Stationary Time with Knee Osteoarthritis Symptoms.
Stephen Olateru	Examining and Comparing the Perceptions of Obesity between Canadians and Nigerians: A Cross-Sectional Study
Victoria (Tori) Nelson	Exploring Cellular and Molecular Mechanisms for Treating Diastolic Dysfunction
Will Roderick	Evaluating three novel MST1 inhibitors as a potential therapeutic strategy for multiple myeloma

Poster Presentations

Population Health

Abigail Daley	How Does Body Image Flexibility Relate to Eating Disorder Symptoms?
Bhavesh Bhargava	A Qualitative Exploration of Treatment Adherence in Canadian Asthma Patient
Abigail Daley	How Does Body Image Flexibility Relate to Eating Disorder Symptoms?
Brianna Leadbetter	Evaluating Implementation Outcomes of the Zoomers in Balance Community Fall Prevention Exercise Program
Catherine Taylor	Multi-Omic Profiling of Circulating Extracellular Vesicles to Identify Response Signatures and Resistance Mechanisms in Lung Cancer Patients Treated with Immune Checkpoint Inhibitors
Chris Folkins	Regional care variations in COPD epidemiology, management and healthcare resource utilization across New Brunswick
Clare Heggie	A cross-sectional survey of sexual and reproductive health outcomes among people in provincial prisons for women in Atlantic Canada
Emily Rushton	The effect of cholecystokinin and leptin on neuronal activity and communication in the dorsomedial hypothalamus in female rats
Evens Datus	Analyse de la qualité du processus d'évaluation des besoins communautaires en matière de santé : Le Cas de l'EBCS de la région Dalhousie - Balmoral - Belledune
Janelle Aikens	Understanding Physical Mobility-Related Needs and Experiences of Community-Dwelling Older Adults: Working Towards Technology-Enabled Mobility Assessments
Jason Hickey	Impacts of the CIHR Indigenous Research Chair in Nursing: Advancing Health and Wellness for Urban Indigenous Communities in New Brunswick

Poster Presentations

Population Health

Julie Frigault	Shame, Stigma, and the Spandex People: why access isn't enough to create equity in sports, recreation, and leisure in New Brunswick.
Kathleen Varty	Evaluating additional genomic variants identified by a gene panel used for identification of clinically relevant mutations in non-small cell lung cancers
Kathryn Carrier	Social Determinants of Health in the Emergency Department
Liliane Dusabe	Transmission intergénérationnelle des ACEs : comment intervenir pour prévenir les effets sur la santé globale des personnes affectées.
Luke Kell	A biomechanical assessment of new brunswick's patient handling techniques
Mahmoud Abdelsalam	Impact of COVID-19 pandemic on the management of Maritime patients with cancer: a real-world study
Pamela Jarrett	The Availability of Nursing Home and Special Care Home beds across New Brunswick
Samuel Cookson <small>On behalf of Sandra Magalhaes</small>	An Index to Quantify Burden of Modifiable Risk for Dementia at the Community-Level in New Brunswick
Sandra Magalhaes	Unmet Mental Health Needs during the COVID-19 Pandemic in the Maritime Provinces
Sarah Gander	Exposed: Examining the Generational Impact of Maternal Substance and Alcohol-Use on Family Health and Social Outcomes
Sarah Campbell	Preventing Adverse Childhood Experiences Through Income Supports
Sherry Gionet	The Diverse Care Environments in our Special Care Homes in New Brunswick
Sid Ahmed Selouani	Système d'information et intelligence artificielle au service de la rééducation fonctionnelle de la parole et du langage
Zainab Zafar	Impact of a Student Led Walk with a Future Doc Program on Executive Functioning in Older Adults

Booths



Conference Program





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