



ANNUAL REPORT

2024-2025





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Land Acknowledgement

EPICORE and its team respectfully acknowledge that we are located on Treaty 6 territory, a traditional gathering place for diverse Indigenous peoples, including the Cree, Blackfoot, Métis, Nakota Sioux, Iroquois, Dene, Ojibway/ Saulteaux/Anishinaabe, Inuit, and many others whose histories, languages, and cultures continue to influence our vibrant community.

MESSAGE FROM THE DIRECTOR

Thanks for reading our 2024-2025 Annual Report (or at least looking at the pictures...)



As I say every year, I'm so proud of our team and their efforts. We are an important (if unofficial) part of the University of Alberta's research infrastructure – our work speaks for itself (but please read on anyways...).

Highlights include:

- 672 individuals helped with their research (that's an increase of over 20 over last year, with many repeat 'customers')
 - We welcome new investigators, Dr. Nabila Nathoo, Dr. Monty Ghosh, and Dr. Dana Lee Olstad
- 1043 projects completed, 59 ongoing projects
- Helped 5 teams with grant submissions, with an 80% rate of success (including over \$3 million in funding and 3 successful applications at CIHR)
 - We also participated in a pilot study of grant facilitation by the Office of the Vice President Research at the University level – we helped 2 investigator teams with their grants
- And, see our AbSPORU report on page 5-6 – a total of 338 projects supported since we started, bringing in over \$20 million in additional funding.
- 32 publications (where EPICORE faculty/staff are named). This is an underestimate, since we don't ask to be named as authors on most publications.
- Awards:
 - American Society of Health-System Pharmacists Literature Award in Pharmacy Practice (shared award with Dr. Dave Dixon, Virginia Commonwealth University) for the paper: Dixon D, Johnston K, Patterson J, Marra CA, Tsuyuki RT. Cost-Effectiveness of Pharmacist Prescribing for Managing Hypertension in the United States", published in JAMA Network Open. This paper was also awarded Best paper award for both the American College of Clinical Pharmacy Ambulatory Care and Cardiology Practice and Research Networks.
 - Dr. Lorenz Van der Linden (KU University Leuven), and mentored by me, was awarded the first prize for his presentation at the Association of Flemish Hospital Pharmacists annual meeting in February. His paper, Van der Linden L, Bevers C, Forsyth P, Vandenbriele C, Tsuyuki RT, Karapinar-Carkit F, Van Aelst L. Effects of pharmacist care on hospitalizations in heart failure across outpatient and inpatient settings: a systematic review and meta-analysis" which has now been published in the British Journal of Clinical Pharmacology.

Our trainees have done well in the awards category, too:

- Postdoctoral research fellow Dr. Shania Liu received awards from the University of Alberta's Faculty of Graduate and Postdoctoral Studies (travel award), the University of Alberta Postdoctoral Fellows' Association (travel award), the Anaesthesia and Intensive Care Jeanette Thirlwell Best Paper Award, and the Patient Engagement Accelerator Award, Alberta Strategy for Patient Oriented Research.
- MSc student, Jordyn Burgar received a MITACS award, a CANTRAIN + Alberta Innovates MSc Studentship 2025-2026 Award, the TD Bank Financial Group Grant for Health Sciences Interdisciplinary Research Fund Award

Serving the research community – that's what we are all about. As always, thanks for your support!

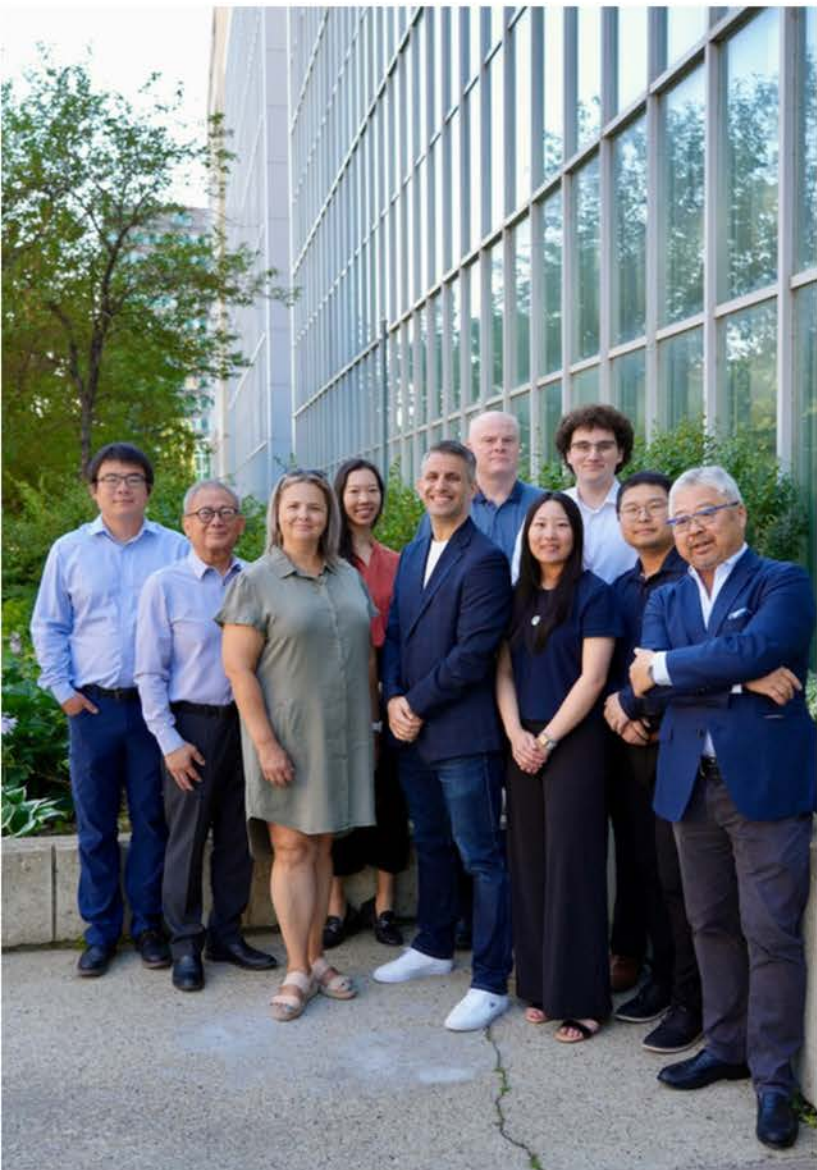


Ross T. Tsuyuki, BSc(Pharm), PharmD, MSc, FCSHP, FACC, FCAHS, ISHF
Director, EPICORE
Professor of Medicine (Cardiology), Department of Medicine,
Faculty of Medicine and Dentistry, College of Health Sciences,
University of Alberta

ABOUT EPICORE

Open access: A unique aspect of EPICORE is that we are an open group – we provide access to a unique set of skills and services to everyone, rather than the traditional academic approach of only serving ourselves. Such an approach allows a wider range of researchers, regardless of their disciplines or career stage, to access a set of skills and expertise that otherwise might be out of their reach and promote opportunities for collaboration and working together.

EPICORE is an operating unit within the Departments of Medicine, Faculty of Medicine and Dentistry at the University of Alberta.



EPICORE supports the mission of the Department of Medicine through:

- Conducting innovative research that makes a difference in health and health care
- Furthering excellence through high-quality service to other health researchers
- Educating and training the next generation of health researchers through graduate student programs, postdoctoral fellowship training and courses
- Partnering with like-minded individuals and organizations

Faculty of Medicine and Dentistry's Mission is to serve the public with social accountability through partnerships, leadership, and innovation in education, research and health care.

Our Mission is to serve the Faculty and our community by generating new knowledge in the areas of health care through the design, execution and analysis of clinical trials, health outcomes research and epidemiologic studies.

WHAT WE DO

Our Goal is to support clinical and health services research by providing high-quality research services to investigators. EPICORE is involved in the full range of activities necessary for the conduct of health research, including protocol/ research design consultations, assistance with grant preparation, case report form design, database creation, data management, biostatistical consultation and analyses.



Long Track Record

Celebrating over 25 years of exemplary service



High Quality Service

Design/methods, data management and biostatistics



Satisfied Investigators

672 satisfied investigators



Highly Successful

High success rate (5/6 funded, 83%) funded for over \$3.3 million, in helping researchers obtain grants



Outreach

1043 projects from a variety of health disciplines supported and implemented



Building Capacity

Starting residents, graduate students, trainees and early career researchers on the right foot and facilitating research conduct

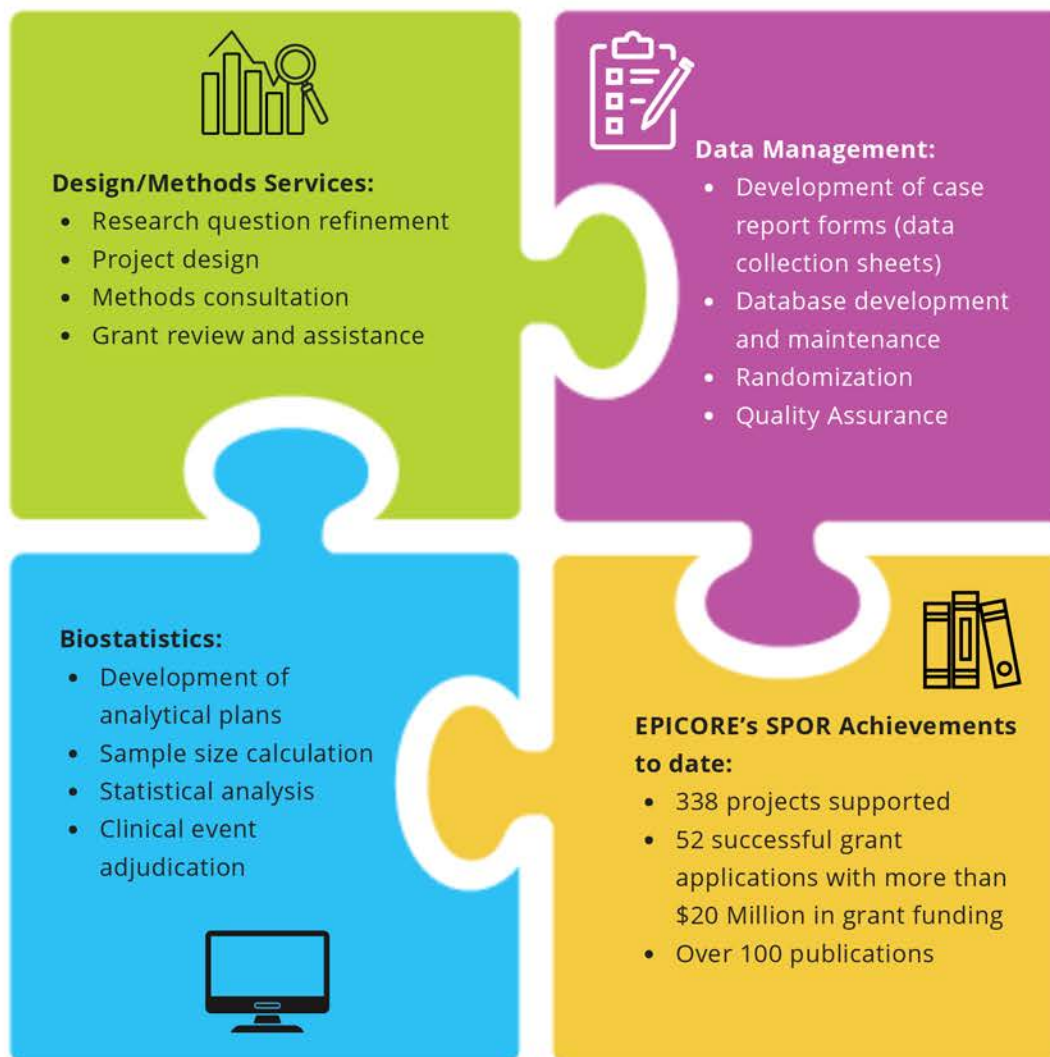
AbSPORU

TO DATE, EPICORE HAS SUPPORTED 338 PROJECTS, 52 SUCCESSFUL GRANT APPLICATIONS AND HELPED BRING IN MORE THAN \$20 MILLION IN RESEARCH FUNDING

Alberta Strategy for Patient-Oriented Research Support for People and Patient-Oriented Research and Trials Unit

EPICORE continues to be a service partner that provides specific services on behalf of AbSPORU.

Those services include: design/methods, data management and biostatistics



HIGHLIGHTED PROJECTS



Demographic and substance use characteristics of individuals accessing physical supervised consumption sites compared to phone-based substance use monitoring across Canada

Dr. Monty Ghosh



ABOUT THIS STUDY

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Supervised consumption sites (SCS) are an integral part of life-saving harm reduction initiatives. However, in-person SCS as physical settings can pose certain accessibility barriers for people who use drugs (PWUD), including concerns for privacy and stigma, targeting by law enforcement, gender-based discrimination and violence, physical proximity and convenience, and limitations on routes and practices of substance use permitted on SCS premises. PWUD have indicated acceptability of virtual-based SCS as a means of expanding access to substance use monitoring, and the Canadian 24/7 peer-operated telephone-based National Overdose Response Service (NORS) has recently demonstrated promising pilot data. Expanding on current data, we are seeking to 1) analyze available demographic and substance use data for clients of NORS and 2) of physical SCS approved by Health Canada, and lastly 3) compare statistically to assess for significant differences in these cohorts. Implications for the project include a better understanding of individuals accessing SCS and potential dynamics of accessibility, all of which inform further research, policy, and service implementation of physical and virtual SCS alike.

The results generated from this data will help to identify barriers to harm reduction service access for people who use drugs. The data collected by our community partners will also allow us to assess little-studied trends in substance use over time while evaluating the service itself. Similar work has been done to establish the safety and effectiveness of supervised consumption sites in the past, and this would help contribute to the growing literature body comparing virtual overdose prevention technologies to SCS. Overall, this would result in key policy and practice changes for communities of people who use drugs who have been historically underserved, including rural and First Nations individuals, resulting in significant decreases in substance use morbidity and mortality across Canada

EPICORE'S ROLE

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Data has been gathered and cleaned from the National Overdose Response Service; EPICORE helped with the statistical analysis to examine if there are significant differences in perceptions of the service. It's been such a pleasure working with the EPICORE team in Alberta, especially Yazid, Ben, and Bo. From day one, they've been welcoming, collaborative, and incredibly supportive, helping to troubleshoot our particular issues around the project, including recruitment and complex methodological concerns as they arose. Their depth of expertise is matched only by their genuine passion for the work, which made every meeting feel like we were building something meaningful together. Never once did I feel they did not try to understand our perspectives and do their best to address our ideas and issues. I've been impressed not just by their technical skill, but by the way they listen, adapt, and find creative solutions to challenges. They bring professionalism without losing the human touch, making the entire process both productive and enjoyable. I'm truly grateful for the chance to partner with such a dedicated and inspiring group. They've truly become friends and collaborators.

MS and diversity: clinical and imaging variation in disease burden among African, Caribbean, and Black persons and White persons in Alberta

Dr. Nabeela Nathoo



ABOUT THIS STUDY



African American persons with MS (pwMS) have more aggressive clinical and MRI disease than White American pwMS in the US. MS patients are managed in Canada, including African, Caribbean, and Black pwMS (ACB pwMS). It is essential to understand if their disease is different than White pwMS, given the differences in health care systems between Canada and the US. We hypothesize that ACB pwMS will have more severe clinical disease and abnormal MRI features compared to White pwMS. This project will uncover whether ACB pwMS have different clinical and MRI metrics compared to White pwMS. If so, possible reasons why can be explored further, ultimately providing more equitable care.

EPICORE'S ROLE



Dr. Al Hamarneh is a Collaborator on the aforementioned MS Canada grant. EPICORE performed the power calculations for the grant to ensure we would have adequate power with the number of participants in Alberta, which was fundamental in demonstrating that the project was feasible. They have also helped create the REDCap database we are using to enter clinical and MRI data. This database encompasses not only ACB pwMS but also other diverse racial and ethnic populations with MS in Alberta, which will be foundational for future grants and studies. EPICORE will be performing statistical analyses to determine if there are clinical and MRI differences between ACB pwMS and White pwMS, and ideally, analyses for any other diverse groups being compared in future. The EPICORE team is reliable, completed tasks in a timely fashion (this includes power calculations that were needed on a very tight timeline, and the database), supportive of me and my research, approachable to ask questions, which is critical as a new faculty member, and just a pleasure to work with.

Does the British Columbia Farmers' Market Nutrition Coupon Program improve the diet quality and food security of parents and children with low incomes?

Dr. Dana Lee Olstad, RC Yun Yun Lee



ABOUT THIS STUDY

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Background: In British Columbia (BC), 16.2% of households cannot afford to buy enough food. This is called household food insecurity. The BC Farmers' Market Nutrition Coupon Program (FMNCP) is trying to reduce food insecurity and improve people's diets by giving low-income households coupons to buy healthy foods in farmers' markets. In a previous study, we found that the FMNCP reduced household food insecurity, but it did not improve the diet quality of adults. We think this is because parents used the money to buy food for their children and not for themselves. The FMNCP may need to give households more money to buy enough food for parents and their children. **Goals:** We will do a randomized controlled trial to study the impact of three higher healthy food subsidies, compared to the usual FMNCP subsidy, on the diet quality, food insecurity and other health-related outcomes of 380 parent-child pairs. **Methods:** 380 low-income households will be randomly put into a group that gets the usual FMNCP subsidy of \$27/household/week or a group that gets a subsidy that is 1.5 (\$40.50/household/week), 2 (\$54/household/week) or 2.5 times (\$67.50/household/week) higher. Participants will get 16 weeks of coupons that they can spend over 26 weeks. They can also attend optional food skills education. We will collect information from one parent (18-64 years) and one child (6-12 years) in each household about what they eat, their food insecurity, and other health-related outcomes. This information will be collected at baseline (0 weeks), midway through (13 weeks) and at the end of the intervention (26 weeks). We will also calculate whether the four subsidies are cost-effective. **Significance:** This will be the first study to examine how different doses of a healthy food subsidy affect what parents and their children eat and their food insecurity. It will help governments to know how much money low-income households need to buy enough healthy food for parents and children.

EPICORES ROLE

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EPICORE is managing data collection and randomization. We have deliberately chosen to work with EPICORE on all of the RCTs we have conducted over the past 6 years. EPICORE consistently goes above and beyond to ensure our trials are executed to the highest standard of excellence. They provide very fast and efficient service and excellent statistical advice. I have especially appreciated their ability to resolve the many complex challenges we have encountered in our research. They have also provided outstanding support for many of my students who were analyzing data from our clinical trials.

Implementation of Pharmacist Case-Finding & Care Pathway Intervention for Vascular Prevention (PR_xOACT): a randomized controlled trial

Dr. Yazid Al Hamarneh, Dr. Shania Liu



ABOUT THIS STUDY

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Heart disease is one of the leading causes of death in Canada, accounting for nearly one in three deaths each year. The risk factors for heart disease are well known, but people in the community need more support managing them to reduce their risk of heart disease. Pharmacists are well-respected health professionals who care for patients with chronic diseases frequently as such, they are well-positioned to identify people who are at risk for heart disease and work with them to reduce their risk.

This study aims to determine the impact of a pharmacist-led care pathway to improve heart health on individuals' risk for heart disease. This pharmacist-led care pathway will involve in-person appointments with a pharmacist to calculate a person's risk for having a heart attack or stroke. The pharmacist will provide recommendations and information leaflets on how to reduce the person's risk for heart disease. The person may continue to see the pharmacist during follow-up appointments.

The potential impact of this project is to empower people to understand how to reduce their risk of heart disease and reduce the burden of heart disease on the community.

EPICORE'S ROLE

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EPICORE led intervention development, database development, management and ongoing quality improvement, expert biostatistician analysis, supported patient-partner engagement, and facilitated recruitment of community pharmacy sites via the RxCELLENCE Network.

The EPICORE team has been a genuine pleasure to work with. They've supported the custom development of a novel Care Pathway platform and have worked professionally to maintain ongoing quality assurance. I look forward to continuing to work with the EPICORE team.

MEET THE TEAM



Dr. Ross Tsuyuki

Positions:

- Director, EPICORE
- Professor of Medicine (Cardiology), Faculty of Medicine and Dentistry, University of Alberta
- Editor-in-Chief, Canadian Pharmacists Journal

Hometown:

- Coquitlam, BC

Background:

- BSc(Pharm), University of British Columbia
- Residency, St. Paul's Hospital/University of British Columbia
- PharmD, State University of New York at Buffalo
- Fellowship, Division of Cardiology, McMaster University (Supervisor, Dr. S. Yusuf)
- MSc (Health Research Methods), McMaster University

Skills/Expertise:

- Health research methods
- Communicator
- Collaborator
- Educator

What I do:

- President/Past President, Hypertension Canada
- Health services research, including pharmacy practice research (focus on evidence generation to advance patient care)
- Provision of support to researchers through EPICORE
- Training the next generation of health researchers



Henry Lee

Positions:

- Associate Director Operations

Hometown:

- Edmonton, AB

Background:

- Bachelor of Commerce, University of Alberta
- Chartered Professional Accountant (CPA),
Chartered Accountant (CA), Certified Management
Accountant (CMA)

Skills/Expertise:

- Seasoned financial manager with Controllanship
experience
- Senior Management roles with public, private, and
not-for-profit companies.
- Extensive background and knowledge with
scientific research entities.



Dr. Yazid N Al Harmarneh

Positions:

- Assistant Professor, Department of Pharmacology, Faculty of Medicine and Dentistry
- Associate Director, Scientific, EPICORE
- Scientific Officer of Alberta SPOR SUPPORT Unit

Hometown:

- Madaba, Jordan

Background:

- BSc in Pharmacy, the University of Jordan, 2005
- Professional Medical Representative at Merck Sharp and Dohme, IA, 2005-2006
- PhD in Clinical Pharmacy and Pharmacy Practice, Queen's University Belfast, 2010
- Postdoctoral Fellowship in Medicine (Cardiology) from the University of Alberta, 2015

Skills/Expertise:

- Conducting pharmacy practice research
- Cardiovascular risk calculation and identification, and management of cardiovascular disease risk factors
- Research Facilitation:
 - Research methodology and design (quantitative and basic qualitative)
 - Grant writing and evaluation
 - Basic statistics (analytical plan, sample size calculation and basic statistical analysis)
 - Basic REDCap and FunctionPoint



Lily Yushko

Positions:

- Team Lead, Clinical Research Informatics

Hometown:

- Kyiv, Ukraine

Background:

- MEd, National Pedagogical University, Kyiv, Ukraine
- Computer Systems Technology, NAIT, Edmonton, AB

Skills/Expertise:

- Expertise in Systems analysis and design
- Proficiency in all aspects of clinical and research databases development and support
- Fluent knowledge of cross-platform data management and integration
- Years of experience in finding out exactly what needs to be done and doing it right



Arial Xiao Qin

Positions:

- Clinical Research Informatics Analyst
- System Analysis

Hometown:

- Jiangsu, China

Background:

- Bachelor of Computer Engineering, Iowa State University, 2010 - 2014
- Master's of Computer Science, University of Alberta, 2021 - 2022

Skills/Expertise:

- Full Stack C# .NET Developer in the design, analysis and implementation of web applications using Microsoft Technologies
- Skilled in database with SQL Server, Oracle SQL, PL/SQL
- Mobile App development with IOS & Android
- Skilled in Machine Learning, data analysis and visualization with Python



Ben Vandermeer

Positions:

- Senior Biostatistician, EPICORE
- Senior Biostatistician, Alberta Research Centre for Health Evidence (ARCHE)

Hometown:

- Edmonton, AB

Background:

- Bachelor of Science (Statistics), University of Calgary
- Masters of Science (Double Major: Statistics and Pure Mathematics), University of Calgary
- Statistical Methodologist, Statistics Canada
- Star Child Health: Standards Development Group on Data Monitoring Committees and Adequate Sample Size

Skills/Expertise:

- Expertise with all common statistical analysis methods
- Proficiency in meta-analysis and network meta-analysis
- Bayesian Statistical Methods
- Familiarity with many statistical programming software, including SAS, R, Stata, StatXact, and WinBUGS.
- Teaching and explaining statistical concepts to non-statisticians
- Interpersonal and communication skills



Bo Pan

Positions:

- Biostatistician

Hometown:

- Nanjing, China

Background:

- Bachelor of Science (Specification in Mathematics), University of Alberta, Fall 2013 – June 2017
- Master's of Science (Statistics), University of Alberta, Fall 2020 – Dec 2022
- Doctor of Philosophy, University of Alberta, Jan 2023 – Current

Skills/Expertise:

- Robust Statistics for Stochastic Optimization: Robustness in machine learning and optimization, Distributionally robust approach, sample average approximation, and Meta optimization.
- Numerical Algorithms: Convex analysis and monotone operator theory, Damped inertial dynamics system, and Distributed decentralized Learning.
- Statistics for Clinical Trials: determines the most appropriate methodology in carrying out identified research goals, organizes the data and conducts advanced statistical analysis of research results for future replications and/or extensions of the results



DR. KAITLYN WATSON

Positions:

- Assistant Professor, Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta

Hometown:

- Brisbane, Australia

Background:

- CIHR-funded Health System Impact Fellow, EPICORE, UofA; Hypertension Canada; Centre for Implementation, OHRI 2022-24 Postdoctoral research fellow, EPICORE 2020-22
- PhD in pharmacy practice and disaster health, Queensland University of Technology
- B.Pharm, University of Queensland with 1st Class Honours
- Graduate Certificate in Applied Pharmacy Practice (10797NAT), Pharmaceutical Society of Australia
- Fellow, Higher Education Academy
- Consultant for the World Health Organization Regional Office for Europe, 2020
- Educator, Queensland University of Technology, 2016-2019
- Clinical pharmacist, Greenslopes Private Hospital, 2015-2019

Skills/Expertise:

- Implementation scientist
- Pharmacy practice researcher
- Research methodology and design (quantitative and qualitative)
- Ethics approval processes
- Project management
- Communicator
- Educator



Dr. Stephanie Gysel

Positions:

- Post-doctoral research fellow, EPICORE, started October 2021
- Founder and clinical pharmacist, Apothecare Pharmacy, Calgary, AB
- Clinical Pharmacist, Total Cardiology, Calgary, AB
- National Coordinator, May Measurement Month

Hometown:

- Winnipeg, MB

Background:

- BSc in Pharmacy, University of Alberta, 2009
- PharmD, University of Alberta, 2020
- Mini-MBA, Sauder School of Business, UBC, 2022

Skills/Expertise:

- Clinical pharmacy practice and patient care
- Certified Diabetes Educator, Additional Prescribing Authorization
- Development of novel community pharmacy-based clinical programs
- Pharmacy practice researcher
- Co-PI for NOVAD University Hospital Foundation Grant for RxOC-IT Pharmacy-led Obesity Management Study
- Collaborator
- Extensive leadership experience
- Strong problem-solving and critical thinking skills
- Strong business acumen



Dr. Dan Burton

Positions:

- Post-doctoral research fellow, EPICORE, started December 2022
- Owner, Apothecare Pharmacy, Calgary, AB
- Founder, Health Evolved, Calgary, AB

Hometown:

- Prince George, BC

Background:

- BSc in Microbiology, University of Alberta, 2012
- BSc in Pharmacy, University of Alberta, 2016
- PharmD, University of Alberta, 2017

Skills/Expertise:

- Clinical pharmacy practice and patient care
- Social media marketing
- Certified bariatric educator
- Motivational interviewing and behavioural change clinician
- Pharmacy practice researcher
- Collaborator
- Strong problem-solving and critical thinking skills



Dr. Shania Liu

Positions:

- Postdoctoral Research Fellow, EPICORE

Hometown:

- Sydney, Australia

Background:

- PhD in Pharmacy Practice, The University of Sydney.
- Graduate Certificate in Educational Studies (Higher Education), The University of Sydney.
- B.Pharm with 1st Class Honours, The University of Sydney.
- Graduate Certificate in Pharmacy Practice, The University of Sydney.
- Chair of the International Pharmaceutical Federation Hospital Pharmacy Section Communication and Digital Engagement Committee.
- Past-Chair of the Society of Hospital Pharmacists of Australia Pain Management Leadership Committee (2020-2023)
- Clinical pharmacist, Prince of Wales Hospital (2020-2023)
- Educator, The University of Sydney (2021-2023)

Skills/Expertise:

- Pharmacy practice researcher
- Quantitative and qualitative study methodology
- Project management
- Communication
- Educator



Jordyn Bugar

Positions:

- MSc Graduate Student, EPICORE

Hometown:

- Sylvan Lake, AB

Background:

- MSc in Epidemiology, University of Alberta, started in 2024
- BA in Psychology, University of Calgary, 2019 - 2023
- Kinesiology Diploma, Red Deer College, 2017- 2019

Skills/Expertise:

- Team player, collaborator, and leader
- Strong interpersonal and communication skills
- Basic knowledge in research design/methodology, quantitative research, and qualitative research
- Literature review and writing



Paul Braconnier

Positions:

- Business Consultant

Hometown:

- Regina, SK

Background:

- BBA (Business), University of Regina
- Chartered Accountant (retired)
- Led a full-service clinical contract research company that managed and conducted human clinical trials, with operations in Canada, Mexico & Argentina
- Life Sciences-focused TEC Edmonton
- Executive-In-Residence

Skills/Expertise:

- Strong interpersonal and communication skills
- Cross-functional team membership and leadership
- Sound business judgment and a common-sense approach to problem-solving
- Customer-oriented approach for both internal and external customers
- Team player and team builder, consensus builder
- Extensive financial, legal, administrative and information system management
- Interaction with the investment community, including investor and analyst presentations and discussions
- Extensive negotiations of business mergers, divestitures, acquisitions and software licensing agreements



Genieve Wong

Positions:

- Research Assistant

Hometown:

- Edmonton, AB

Background:

- International Baccalaureate Student, M.E. Lazerte C.H.S, 2023-present

Skills/Expertise:

- Keen to learn new research skills
- Multilingual
- Pharmacy Assistant
- REDCap (research database/data collection)



Vincent Desbiens

Positions:

- Research Assistant

Hometown:

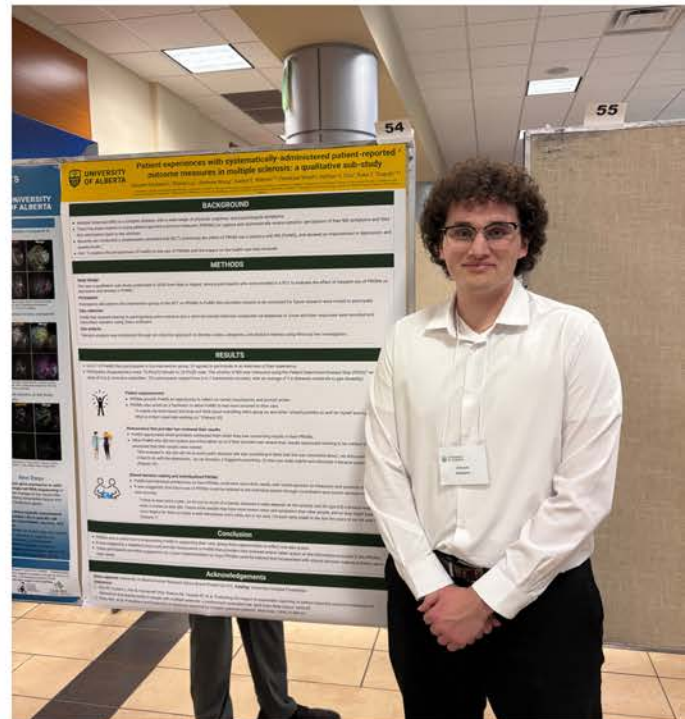
- Edmonton, AB

Background:

- BSc in Honours Pharmacology, University of Alberta, Started in 2024
- BSc, University of British Columbia-Okanagan, 2023-2024

Skills/Expertise:

- Keen to learn new research skills
- Strong communication and organizational skills
- Basic knowledge in research design/methodology, quantitative research, and qualitative research
- Literature review and writing



AWARDS

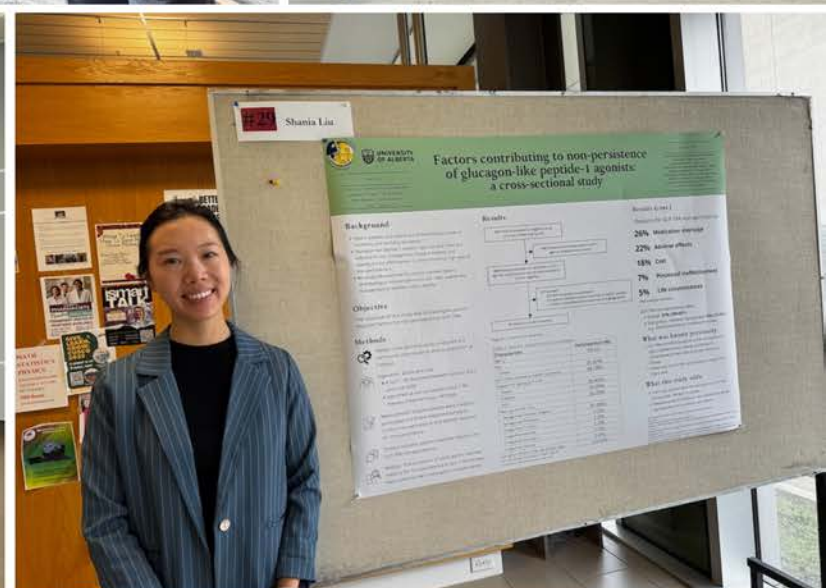
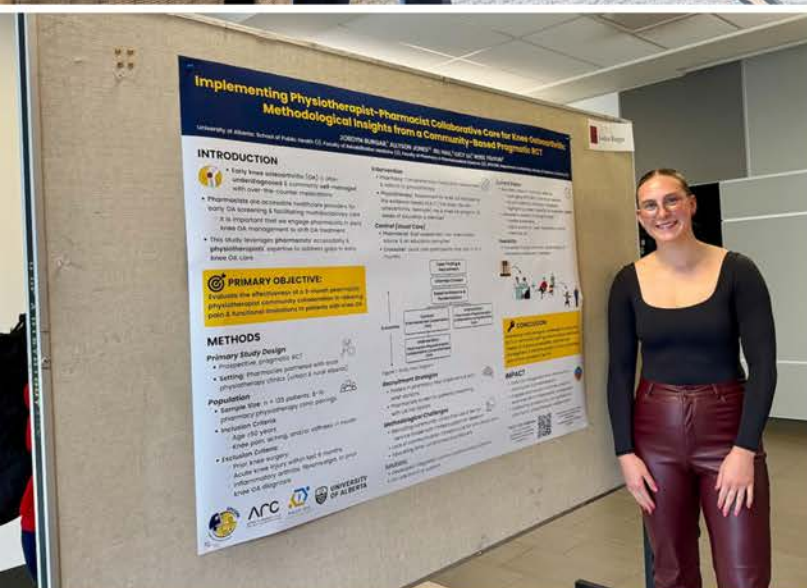
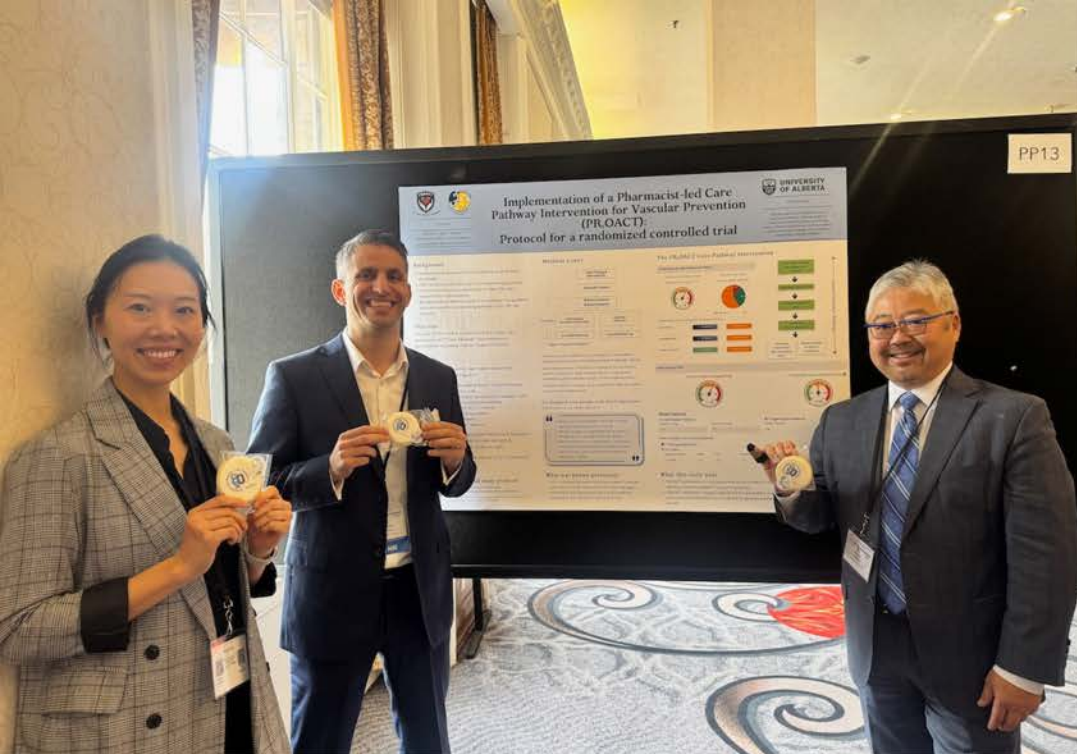


Congratulations!

- Dr. Ross Tsuyuki, **American Society of Health-System Pharmacists Literature Award** in Pharmacy Practice (shared award with Dr. Dave Dixon, Virginia Commonwealth University) for the paper: Dixon D, Johnston K, Patterson J, Marra CA, Tsuyuki RT. Cost-Effectiveness of Pharmacist Prescribing for Managing Hypertension in the United States", published in JAMA Network Open. This paper was also awarded **Best paper award** for both the American College of Clinical Pharmacy Ambulatory Care and Cardiology Practice and Research Networks.
- **Best Presentation Award** at the Association of Flemish Hospital Pharmacists annual meeting for the paper, Van der Linden L, Bevers C, Forsyth P, Vandenbriele C, Tsuyuki RT, Karapinar-Carkit F, Van Aelst L. Effects of pharmacist care on hospitalizations in heart failure across outpatient and inpatient settings: a systematic review and meta-analysis
- Dr. Yazid Al Hamarneh, **Best Oral Presentation Award** at the International Pharmaceutical Federation Conference, for the paper, Al Hamarneh YN, BSC (Pharm), Ramrattan DA, Tsuyuki RT, Sullivan KW, Pan B, Simpson SH. What services do people seek when they visit a community pharmacy primary care clinic?
- Dr. Shania Liu received:
 - The University of Alberta's Faculty of Graduate and Postdoctoral Studies **Travel Award**
 - The University of Alberta **Postdoctoral Fellows' Association Travel Award**
 - The Anaesthesia and Intensive Care Jeanette Thirlwell **Best Paper Award**
 - Alberta Strategy for Patient Oriented Research Support Unit **Patient Engagement Accelerator Award**
- MSc student Jordyn Burger received:
 - MITACS **Accelerate Award**
 - CANTRAIN **MSC Studentship** Matched with Alberta Innovates as industry partner
 - TD Bank Financial Group Grant for Health Sciences **Interdisciplinary Research Fund Award**

CONFERENCES





TEAM BUILDING MOMENTS





APPENDICES



APPENDICES



59 Current Projects

<https://www.epicore.ualberta.ca/home/appendix-a-2024/>



672 Investigators Served

<https://www.epicore.ualberta.ca/home/appendix-b-2024/>



32 New EPICORE Publications

<https://www.epicore.ualberta.ca/home/appendix-c-2024/>



CUMULATIVE LIST OF COMPLETED PROJECTS

<https://www.epicore.ualberta.ca/home/our-projects/>
(available online only)

APPENDICES



59 Current Projects

<https://www.epicore.ualberta.ca/home/appendix-a-2025>

1. Rheum4U (Dr. Dianne Mosher)
2. CHANGE-COPD (Dr. Doug Klein)
3. CHANGE Alberta (Dr. Doug Klein)
4. MS Proms RCT (Drs. P. Smyth, Nathan Chu)
5. ON TRAAC (Dr. Keeling, Dr. Katz)
6. PILUTS (Dr. Cheryl Sadowski).
7. PERK II (Dr. Kevin Hildebrand)
8. PAUSE (Dr. M James)
9. LiveRx (Dr. Mark Swain, University of Calgary)
10. Hemodialysis project (Dr. Neesh Pannu)
11. AWF pilot trial (Dr. Neufeld, Dr. Lam)
12. Behavior change techniques (Dr. Puneeta Tandon)
13. RxING Japan (Dr. Hiroshi Okada)
14. Metformin in Fragile X syndrome DSMB (Dr. Francois Bolduc)
15. TBI clinic health system performance study (Dr. Erica Lester)
16. Reducing Infection EVD/ELD and shunt patients (Dr. Mark Hamilton)
17. WHISP - women with hypertension implementation science project (Dr. Kaitlyn Watson)
18. CLASSIC study (Dr. Walter Maksymowych)
19. PHARM Optimal-HF Pilot (Dr. R. Turgeon)
20. Hypertension home BP monitoring (Dr. Daniel Burton)
21. 155 Biomarkers (Lesley Mitchell)
22. POCT (Dr. Yazid Al Hamarneh)
23. Q methodology (Dr. Kaitlyn Watson/Dr. Yazid Al Hamarneh)
24. May Measurement Month hypertension screening (Dr. Stephanie Gysel)
25. Comprehensive medication assessments (Drs. Kelly and Mohammed)
26. Accessing mental health care in lupus patients (Dr. Stephanie Keeling)
27. PGx/GAP (Drs. Chad Bosman, Mandy Newton)
28. Inferential statistics for the VOPS survey (Dr. Monty Ghosh)
29. PRXOACT – A Pharmacy Care Pathway Project (Dr. Yazid Al Hamarneh)
30. COPD – A Pharmacy Care Pathway Project (Dr. Tatiana Makhinova)
31. PACE-OA – A Pharmacy Care Pathway Project (Dr. Allyson Jones)
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33. DD-PATH – A Pharmacy Care Pathway Project (Dr. Stephanie Gysel)
34. PATIO (Dr. Kaitlyn Watson), Evaluation of pharmacy clinics in Alberta.
35. Demographic and substance use characteristics of individuals accessing physical supervised consumption sites compared to phone (Dr. Nathan Rider)

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- 36. Exploration analysis of PSA patients who have refractory disease (Dr. Stephanie Keeling)
- 37. Lethbridge Pharmacy clinic evaluation (Dr. Yazid Al Hamarneh)
- 38. RxOC-IT – pharmacy-led obesity clinic (Dr. Stephanie Gysel and Dr. Dan Burton)
- 39. GLP-1 study (Dr. Shania Liu)
- 40. Diabetic Retinopathy Screening (Dr. Donna Manca)
- 41. BC Farmer's Market Dietary Study (Dr. Dana Olstad, Yun Lee)
- 42. Stakeholder attitudes towards and evaluation of remote overdose monitoring (Dr. William Rioux)
- 43. Trends in substance use among clients of an overdose monitoring telephone line - a retrospective study (Dr. Nathan Rider)
- 44. Breast density systematic review (Dr. Roni Kraut)
- 45. MOXIE (Dr. Dave Campbell)
- 46. Encephalitis PET Scan Project (Dr. Jen McCombe, Dr. Megan Hansen)
- 47. Cohort Systematic Review (Dr. M Kolber, Dr. Danielle Perry, Dr. Tina Korownyk)
- 48. APron (Dr. Rhonda Bell)
- 49. Clinical and MRI features of diverse populations with multiple sclerosis (Dr. Nabila Nathoo)
- 50. PET pilot project systematic review (Dr. Allison Clifford)
- 51. Physician Learning Program (PLP) Autism Data Analysis (Dr. Nonsi Mathe)
- 52. Alberta Prince Study (Dr. Brenda Law)
- 53. QTc Implementation and evaluation of a cardiovascular risk awareness program for the general public using mobile technology Cardiovascular health tool. (Dr. Athar El Hakim)
- 54. Cladribine for MS (Dr. Nabila Nathoo)
- 55. Co-PRIME (Dr. Brian Buck)
- 56. UK AI Trial (Dr. Samina Ali)
- 57. Systematic Review of Cancer Screening (Dr. Jennifer Pillay)
- 58. Analysis of Work Pressure Questionnaire-Ontario College of Pharmacists (Sandra Winkelbauer)
- 59. Mental Health Considerations in Rheumatology (Dr. Elaine Yacyshyn)

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APPENDICES

* research trainee



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- Jarab AS, Al-Qerem W, Almomani N, Abu Heshmeh S, Mukattash TL, Al Hamarneh YN. Colorectal cancer screening among the public: knowledge, attitudes, and the perceived barriers. International Journal of Environmental Health Research. 2023. DOI: 10.1080/09603123.2023.2260320
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