

Curriculum Vitae
Tyler S. Williamson

I. BIOGRAPHICAL DATA

Address: Department of Community Health Sciences
Cumming School of Medicine
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Present Rank: Assistant Professor
Department of Community Health Sciences
Cumming School of Medicine
University of Calgary

Institutes: O'Brien Institute for Public Health
Alberta Children's Hospital Research Institute

II. ACADEMIC RECORD

BSc Department of Mathematics and Statistics, BSc in Biostatistics
1999 – 2005* University of Calgary - Calgary, Alberta
**I interrupted my studies from 2000 to 2002 for a humanitarian mission. I resumed my studies upon my return to Canada in 2002.*

MSc Department of Community Health Sciences, MSc in Biostatistics*
2005-2007 University of Calgary – Calgary, Alberta
Thesis: The Concurrent Assessment of Inter and Intra-Rater Reliability
Thesis Supervisors: Misha Eliasziw, PhD and Gordon H. Fick, PhD
**Did not defend – switched to PhD program*

PhD Department of Community Health Sciences, PhD in Biostatistics
2007-2011 University of Calgary – Calgary, Alberta
Thesis: Log-Binomial Models: Maximum Likelihood and Failed Convergence
Thesis Supervisors: Misha Eliasziw, PhD and Gordon H. Fick, PhD

III. AWARDS & DISTINCTION

- 2017 **Health Quality Council of Alberta Patient Experience Award (Announcement Pending)**
Our team (led by Dr. Jennifer Thull-Freedman) was selected as one of 4 teams to receive this award as our work in promoting analgesia in children following fractures demonstrates a commitment to improving the patient experience.
- 2017 **Nomination for O'Brien Mid-Career Research Award (Results Pending)**
Nominated by my department, this award recognizes outstanding work by a member of the O'Brien Institute for Public Health who is more than 5 years post-PhD.
- 2017 **Nomination for AHS President's Excellence Award (Results Pending)**
Nominated in Patient and Family Centered Care for the "Calgary Emergency Department Commitment to Comfort Collaborative".
- 2017 **Nomination for New Investigator Research Award (Results Pending)**
Nominated by my colleagues, this award recognizes outstanding work as a new primary care investigator within the North American Primary Care Research Group (NAPCRG) the largest primary care research organization in the world.
- 2016 **Nomination for Graduate Teaching Award**
Nominated by the graduate students in the Department of Community Health Sciences for excellence in teaching for both MDCH 610 (Essentials of Biostatistics) and MDCH 681 (Health Research Methods).
- 2016 **Nomination for New Investigator Research Award (Not awarded)**
Nominated by my colleagues, this award recognizes outstanding work as a new primary care investigator within the North American Primary Care Research Group (NAPCRG) the largest primary care research organization in the world.
- 2012 **Nomination for the Pierre Robillard Award**
Nominated by my PhD supervisor for this award within the Statistical Society of Canada (SSC) that recognizes the best dissertation published in statistics or biostatistics in the past year.
- 2010 **Graduate Teaching Excellence**
Nominated by my peers, this departmental award recognizes Teaching Assistants who go above and beyond expectations in graduate education.

- 2009 **Outstanding Contribution to Teaching**
Nominated by my peers, this award is given by the Graduate Students Association to a Teaching Assistant who exemplifies outstanding commitment to teaching.
- 2008 **Outstanding Contribution to Teaching**
Nominated by my peers, this award is given by the Graduate Students Association to a Teaching Assistant who exemplifies outstanding commitment to teaching.
- 2006-2010 **Nomination for Outstanding Contribution to Teaching**
Winner of this award in 2008 and 2009. Nominated by my peers 5 consecutive years between 2006 and 2010.
- 2007 **Graduate Teaching Excellence**
Nominated by my peers, this departmental award recognizes Teaching Assistants who go above and beyond expectations in graduate education.
- 2007-2011 **Alberta Heritage Foundation for Medical Research Studentship**
Annual stipend of \$18,000 stipend and \$1,500 research allowance.
- 2008 **Best Trainee-led Research Project Award**
Awarded at the Canadian Association of Emergency Physicians annual conference.
- 2007 **Alberta Learning Graduate Student Scholarship**
Nominated by the Department of Community Health Sciences, \$2,000 graduate scholarship.
- 2006 **Province of Alberta Graduate Studentship**
Nominated by the Department of Community Health Sciences and the Faculty of Graduate Studies. The award included a stipend of \$7500. I relinquished this award in 2007 when I received an AHFMR Studentship.
- 2005 **Peer Teaching Award**
Nominated by my students and faculty in the Department of Community Health Sciences, this award recognizes “exceptional commitment to peer mentorship and teaching.” The award included a \$250 cash prize.

IV. ACADEMIC APPOINTMENTS

2017-	Adjunct Assistant Professor Department of Community Health Sciences, University of Manitoba
2017-	Senior Data Scientist Canadian Primary Care Sentinel Surveillance Network
2014-	Assistant Professor of Biostatistics Department of Community Health Sciences, University of Calgary
2011-2014	Senior Epidemiologist Canadian Primary Care Sentinel Surveillance Network Department of Family Medicine, Queen's University
2012-2014	Adjunct Assistant Professor Department of Family Medicine, Queen's University
2012-2014	Adjunct Assistant Professor Department of Public Health Sciences, Queen's University
2006-2010	Biostatistician Department of Family Medicine, University of Calgary

V. EDUCATIONAL ACTIVITES

i. Educational Grants

In Progress	Ploeg PIHCI Programmatic Community and Health Research Unit (ACHRU) Community Partnership Program (CPP) Co-PI 1078
2017-2020 \$10,000	Rocky Mountain Data Science Centre, CANSSI Health Sciences Collaborating Centre Canadian Statistical Sciences Institute Co-PI (as co-director of the UCBC)

ii. Courses

MDCH 681 – Health Research Methods

Department of Community Health Sciences, University of Calgary

Participants include graduate students in the department (core course)

My Role: Course Coordinator and Instructor (Co-Instructor Maria Santana)

2017: 13 weeks with 5 contact hours per week (29 participants)

2016: 13 weeks with 5 contact hours per week (26 participants)

MDCH 610 – Biostatistics I: Essentials of Biostatistics

Department of Community Health Sciences, University of Calgary

Participants include graduate students in the department (core course)

My Role: Course Coordinator and Instructor

2016: 13 weeks with 5 contact hours per week (59 participants)

2015: 13 weeks with 5 contact hours per week (50 participants)

2014: 13 weeks with 5 contact hours per week (39 participants)

Essential Biostatistics

Clinician Investigators Program, Cumming School of Medicine

Participants include medical residents pursuing either an MSc or PhD from across the CSM

My Role: Guest Instructor

2017: One 3-hour lecture (8 participants)

2016: One 3-hour lecture (6 participants)

2015: One 3-hour lecture (7 participants)

AEBM 440: Evidence Based Medicine

Undergraduate Medical Education, Cumming School of Medicine

Participants include medical students in their second year of medical school.

My Role: Guest Instructor

2017: One 1.5-hour lecture (144 participants)

MDCH 611 – Biostatistics II: Models for Health Outcomes

Department of Community Health Sciences

Participants include graduate students in the department (core course)

My Role: Guest Judge and Evaluator

2015: 1 session of 4 contact hours (25 participants)

Introduction to Health Research Methods

Continuing Medical Education and Development, University of Calgary

Participants include physicians and other healthcare professionals

My Role: Module (Statistical Methods Overview) Instructor
2015: 1 session with 2 contact hours (15 online participants)

ACH Resident / Fellows Clinical Research Course

Alberta Children's Hospital, Department of Pediatrics, University of Calgary
Participants included residents and fellows from a variety of disciplines working at the Alberta Children's Hospital (ACH)

My Role: Small Group Lead

2015: five 3-hour group sessions (10 participants)

2014: five 3-hour group sessions (10 participants)

2010: five 3-hour group sessions (12 participants)

2010: twenty-four 1-hour individual tutorial sessions (1 participant)

FMED 601 – Advanced Topics in Family Medicine Research

Department of Family Medicine, McGill University

Participants included DFM MSc students

My Role: Guest Lecturer

2012: one 4-hour lecture (6 participants)

Biostatistics without Pain and Suffering

Department of Family Medicine, University of Calgary

Participants included DFM staff, faculty and residents

My Role: Complete course development and delivery

Spring 2010: eight 1.5-hour lectures (14 participants)

Spring 2009: eight 1.5-hour lectures (8 participants)

MDCH 643.01 - Essentials of Biostatistics

Department of Community Health Sciences, University of Calgary

Core course in the Department of Community Health Sciences - participants included CHS MSc and PhD students as well as students from other faculties/departments

My Role: Guest Lecturer - Delivered previously developed lecture

2010: two 1.5-hour lectures (36 participants)

2009: three 1.5-hour lectures (37 participants)

2008: two 1.5-hour lectures (35 participants)

2007: one 1.5-hour lecture (39 participants)

2006: one 1.5-hour lecture (57 participants)

My Role: Teaching Assistant - Facilitated small group discussion in twice weekly tutorials. As senior TA (2007-2010) I gave lectures when the instructor was absent and participated directly in the development and review of the midterm and final exams as well as their marking

2010: twenty-six 1-hour tutorials (12 participants)

2009: twenty-six 1-hour tutorials (13 participants)

2008: twenty-six 1-hour tutorials (12 participants)

2007: twenty-six 1-hour tutorials (13 participants)

2006: twenty-six 1-hour tutorials (20 participants)

MDCH 643.02 - Biostatistics II: Models for Health Outcomes

Department of Community Health Sciences, University of Calgary

Core course in the Department of Community Health Sciences - participants included CHS MSc and PhD students as well as students from other faculties/departments

My Role: Guest Lecturer - Delivered previously developed lecture

2010: one 3-hour lecture (24 participants)

2009: one 3-hour lecture (26 participants)

2008: one 3-hour lecture (25 participants)

My Role: Teaching Assistant - Organized and delivered weekly tutorials. Played a critical role in course development providing weekly comments and feedback on draft lecture notes. Marked all assignments as well as the midterm and final exams with input from course instructor.

2010: thirteen 1-hour tutorials (24 participants)

2009: thirteen 1-hour tutorials (26 participants)

2008: fourteen 1-hour tutorials (25 participants)

2007: thirteen 1-hour tutorials (26 participants)

MDCH 643.03 - Biostatistics III: Models for Repeated Measure & Time-to-Event Studies

Department of Community Health Sciences, University of Calgary

For elite students in the Department of Community Health Sciences - participants were admitted upon approval from instructor and usually included CHS PhD students only.

My Role: Instructor Assistant / Teaching Assistant - attended weekly lectures and provided supplementary comment when called upon by the instructor

2009: thirteen 3-hour lectures (9 participants)

iii. Supervision of Students

PRIMARY SUPERVISOR (GRADUATE STUDENTS)

- 2017- Co-Supervisor for Stephana Cherak
Degree/Program: PhD in Population/Public Health, Department of Community Health Sciences, University of Calgary
Topic: Prenatal Stress, Nutrients, and Child Development
- 2016- Primary Supervisor for Colin Weaver
Degree/Program: MSc in Biostatistics, Department of Community Health Sciences, University of Calgary.
Topic: Predicting hospitalization using primary care EMR data

- 2016- Primary Supervisor for Dr. Kate Skolnik
Degree/Program: MSc in Clinical Epidemiology, Department of Community Health Sciences, University of Calgary.
Topic: The epidemiology and clinical significance of Scedosporium spp infections in individuals with Cystic Fibrosis.
- 2016- Primary Supervisor for Simon Guienguere
Degree/Program: PhD in Biostatistics, Department of Community Health Sciences, University of Calgary.
Topic: Modeling patient flow in intensive care units
- 2015- Primary Supervisor for Brendan Cord Lethebe (Co-Supervisor Dr. Tolu Sajobi)
Degree/Program: MSc in Biostatistics, Department of Community Health Sciences, University of Calgary
Topic: Improving Case Detection in Electronic Medical Record Databases through Machine Learning Algorithms
- 2015- Co-Supervisor for Stephanie Garies (Primary Supervisor Dr. Hude Quan)
Degree/Program: PhD in Health Services Research, Department of Community Health Sciences, University of Calgary
Topic: Epidemiology of Hypertension in a Canadian EMR Database
- 2015-2016 Co-Supervisor for Elaina Kaufman (Supervisor Dr. Alexandra De Pokomandy)
Degree/Program: MSc in Family Medicine, Department of Family Medicine, McGill University
Topic: Risk factors for anal HPV in women living with HIV
- 2012 -2013 Co-Supervisor for Amal Al Zayadi (Co-Supervisors Dr. Richard Birwhistle and Dr. Duncan Hunter)
Degree/Program: MSc in Epidemiology, Department of Community Health and Epidemiology, Queen's University
Topic: The Influence of the Patients' Social Class in their Diabetes Management
- 2011 Practicum Co-Supervisor for Christine Cobbler
Degree/Program: MPH, Department of Community Health and Epidemiology, Queen's University
Topic: Understanding the Management of Hypertension in Ontario using Electronic Medical Record Data

PRIMARY SUPERVISOR (UNDERGRADUATE STUDENTS)

Summer 2016 Primary Supervisor for Sylvia Hao (Co-Supervisor Kerry McBrien)

Degree/Program: Summer Studentship, Department of Community Health Sciences, University of Calgary.

Topic: Describing the variability in antibiotic prescribing using a Canadian primary care EMR database

Summer 2016 Primary Supervisor for Russell Pilling (Co-Supervisor Stephanie Garies – PhD Student)

Degree/Program: Summer Studentship, Department of Community Health Sciences, University of Calgary.

Topic: Case Definitions for Chronic Diseases in Canada

Summer 2015 Primary Supervisor for Sylvia Hao (Co-Supervisors Dr. Maria Santana and Dr. Hude Quan)

Degree/Program: Summer Studentship, Department of Community Health Sciences, University of Calgary

Topic: Systematic Review of Administrative Case Definitions for Chronic Disease

Summer 2015 Primary Supervisor for Brendan Cord Lethebe (Co-Supervisors Dr. Maria Santana and Dr. Hude Quan)

Degree/Program: Summer Studentship, Department of Community Health Sciences, University of Calgary

Topic: Systematic Review of Administrative Case Definitions for Chronic Disease

Summer 2015 Co-Supervisor for Tina Guo (Primary Supervisor Dr. Maria Santana)

Degree/Program: Summer Studentship, Department of Community Health Sciences, University of Calgary

Topic: Systematic Review of Administrative Case Definitions for Chronic Disease

Summer 2015 Co-Supervisor for Sophia Sun (Primary Supervisor Dr. Maria Santana)

Degree/Program: Summer Studentship, Department of Community Health Sciences, University of Calgary

Topic: Systematic Review of Administrative Case Definitions for Chronic Disease

2012 -2013 Supervisor for Alanna Rigobon

Degree/Program: Undergraduate Thesis, Department of Community Health and Epidemiology, Queen's University

Topic: Can Electronic Medical Record Data be used for Healthy Weight Surveillance in Canada?

SUPERVISORY COMMITTEE MEMBER

2016- Committee Member for Anita Brobbey (Primary Supervisor Dr. Tolu Sajobi)

- Degree/Program: MSc in Biostatistics, Department of Community Health Sciences, University of Calgary
Topic: Predictive Modelling of Health Outcomes
- 2016- Committee Member for Jessalyn Holodinsky (Primary Supervisor Dr. Michael Hill)
Degree/Program: PhD in Epidemiology, Department of Community Health Sciences, University of Calgary
Topic: Modelling and Optimizing Stroke Transport
- 2016- Committee Member for Ali Naqvi (Primary Supervisor Dr. Herman Barkema)
Degree/Program: MSc in Production Animal Health, Faculty of Veterinary Medicine, University of Calgary
Topic: Modeling mastitis in Canadian dairy cattle
- 2016- Committee Member for Lixia Zhang (Primary Supervisor Dr. Lisa Lix)
Degree/Program: PhD in Biostatistics, Department of Community Health Sciences, University of Manitoba
Topic: Measuring Multimorbidity in Electronic Health Data
- 2016- Committee Member for Jody Boffa (Primary Supervisor Dr. Robert Cowie)
Degree/Program: PhD in Epidemiology, Department of Community Health Sciences, University of Calgary.
Topic: Evaluating the Effectiveness and Acceptability of 6-month Isoniazid Preventive Therapy Amongst People Living with HIV in KwaZulu-Natal, South Africa
- 2015- Committee Member for Kamala Adhikari Dahal (Supervisors Dr. Shahirose Premji and Dr. Amy Metcalfe)
Degree/Program: PhD in Epidemiology, Department of Community Health Sciences, University of Calgary
Topic: Area-level Socioeconomic Status, Anxiety during Pregnancy and Preterm Birth
- 2015- Committee Member for Michael Sanderson (Primary Supervisor Dr. Scott Patten)
Degree/Program: MSc in Epidemiology, Department of Community Health Sciences, University of Calgary
Topic: Depression and Anxiety in Canada (TBD)
- 2015- Committee Member for Alexis Mickle (Supervisors Dr. Christine Friedenreich and Dr. Darren Brenner)
Degree/Program: Master of Science in Epidemiology, Department of Community Health Sciences, University of Calgary
Topic: Influence of Antioxidant and Oxidant Properties of Diet on Leukocyte Telomere Length

- 2014- Committee Member for Erin Hetherington (Primary Supervisors Dr. Suzanne Tough and Dr. Sheila McDonald)
Degree/Program: PhD in Epidemiology, Department of Community Health Sciences, University of Calgary
Topic: Social Support in a Pregnant and Perinatal Population
- 2014-2017 Committee Member for Chelsea Doktorchik (Primary Supervisors Dr. Shahirose Premji and Dr. Scott Patten)
Degree/Program: MSc in Epidemiology, Department of Community Health Sciences, University of Calgary
Topic: Temporal Changes of Biological and Psychosocial Responses to Stress in Women Who Delivered Preterm Infants
- 2013-2017 Committee Member for Kathryn Nicholson (Primary Supervisors Dr. Amardeep Thind and Dr. Amanda Terry)
Degree/Program: PhD in Epidemiology, Department of Epidemiology and Biostatistics, Western University
Topic: Multimorbidity in Canadian Primary Health Care: Examining Multiple Chronic Diseases using Electronic Medical Records
- 2012-2015 Committee Member for Julia Lukewich (Primary Supervisor Dr. Joan Tranmer)
Degree/Program: PhD in Nursing, School of Nursing, Queen's University
Topic: Primary care practice organizational attributes related to the Management of type 2 diabetes within the primary care setting: a Pan-Canadian study

VI. ADMINISTRATIVE APPOINTMENTS

i. Reviews

GRADUATE STUDENT REVIEWS

- 2014-2016 Graduate Awards Committee (58 applications reviewed)
2014-2015 Achievers in Medical Science (AIMS) Review (3 applications reviewed)

PEER REVIEWS FOR JOURNALS (What Tyler Reviewed)

- 2016- eGEMs (2 manuscripts)
2016- Dove Medical Press (2 manuscripts)
2015- BMJ Open (4 manuscripts)

2015- Family Practice (1 manuscript)
2013- CMAJ Open (3 manuscripts)
2010- Journal of Applied Statistics (2 manuscripts)
2008-2010 Open Medicine (8 manuscripts)
2009- Canadian Journal of Emergency Medicine (3 manuscripts)

CONFERENCE ABSTRACTS

2014 Public Health 2014 (15 workshops and 21 panels)
2012 40th Annual Meeting of the North American Primary Care Research Group (8 abstracts)

GRANT REVIEWS

2017 Canadian Foundation for AIDS Research (External Review)
Invited reviewer for 1 grant in 2017

2015 O'Brien Institute for Public Health (Internal Review)
Internal peer-review prior to submission

2015 Department of Community Health Sciences (Internal Review)
3 AIHS studentship applications with written comments and feedback

2007 Centre for Advancement of Health, Alberta Health Services
5 grant reviews with written comments

OTHER REVIEWS

2017 Manitoba Centre for Health Policy
Invited reviewer for report to Manitoba Ministry of Health

2016 University of Lethbridge Board of Governors Research Chair
External review of candidate for chair position

2015 Cumming School of Medicine UME Admission Review
Statistical review of the UME admission assessments for rater consistency

ii. Committees

2017- Chair, Data Science Working Group
Department of Community Health Sciences

2017-	Healthy Outcomes Theme Executive Alberta Children's Hospital Research Institute
2017-	Search and Selection Committee Big Data Scientist Tenure-Track Faculty Position Departments of Community Health Sciences and Cardiovascular Sciences
2016-	Health Informatics Task Force Cumming School of Medicine, University of Calgary
2015-	University of Calgary Biostatistics Centre Executive
2015-	The Methods Hub Executive Committee O'Brien Institute for Public Health
2015-	Co-Chair, Committee for the Advancement of the Science of Family Medicine – Research Methods Working Group (Nomination Required) North American Primary Care Research Group (NAPCRG)
2015-	Research Advisory Committee Primary Healthcare Strategic Clinical Network, Alberta Health Services
2012-2015	NYC Macroscopic Scientific Advisory Committee NYC Department of Health and Mental Health
2014-2017	New Investigator Committee (Nomination Required by SSC President) Statistical Society of Canada
2014-2015	Graduate Awards Committee Faculty of Graduate Studies, University of Calgary
2013-2014	Public Health 2014 Conference Steering Committee Canadian Public Health Association
2013-2014	Public Health 2014 Conference Scientific Committee Canadian Public Health Association
2012	EMR Expert Advisor Public Health Agency of Canada
2011-2014	Co-Chair, Surveillance and Research Standing Committee Canadian Primary Care Sentinel Surveillance Network

- 2011-2014 Knowledge Translation and Communication Committee
Canadian Primary Care Sentinel Surveillance Network
- 2011-2014 Information Technology and Data Management Committee
Canadian Primary Care Sentinel Surveillance Network
- 2012 Strategic Planning Committee
Department of Family Medicine, Queen’s University

Professional / Research Group Memberships

- 2016- International Population Data Linkage Network
- 2015- World Health Organization Collaborating Centre
- 2015- Pan-Canadian Real-World Health Data Network
- 2014- AHS Primary Care Strategic Clinical Network Steering Committee
- 2013- Canadian Society of Epidemiology and Biostatistics (CSEB)
- 2013- Canadian Public Health Association (CPHA)
- 2012- Canadian Statistics Educator Network (CSEN)
- 2011- North American Primary Care Research Group (NAPCRG)
- 2008- Statistical Society of Canada (SSC), Biostatistics Section
- 2008- Associate Member of the College of Family Physicians of Canada
(Nomination required - includes MCFP professional designation)
- 2005- Pediatric Emergency Research Canada (PERC)

Other Professional/Scientific Contributions

- 2012 Statistical Consultation – AltaLink
Modeling the risk of power-outage due to tornado activity in Alberta
- 2009-2011 Invited Judge – Department of Family Medicine Research Day
University of Calgary
- 2010 Statistical Consultation – World Health Organization
Estimating the risk of serious adverse events following Yellow Fever
vaccination

iii. Professional Development Activities

- 2016 Effective Leadership Course (Marty Hegg, Instructor)
Invited by Sponsoring Organization, O’Brien Institute for Public Health
Six 3-hour sessions on various aspects of leadership

VII. RESEARCH

i. Research Funding

SUMMARY OF RESEARCH FUNDING HISTORY

SOURCE	PI	CO-PI	CO-I	AMOUNT (\$)
TRI-COUNCIL	1	2	4	\$8,331,566
ALBERTA INNOVATES	0	0	2	\$2,548,678
OTHER SOURCES	2	1	8	\$2,579,199
TOTAL	3	3	12	\$15,969,642

CURRENT FUNDING

Applied For Coordinated care for socially vulnerable populations with complex needs:
Evaluation of a novel care delivery model.
CIHR
Co-I
Submission date: September 15, 2017

Applied For Understanding the accumulation of multiple chronic diseases and
\$475,000 multiple prescribed medications as determinants of satisfying aging
among community dwelling older adults in Canada.
CIHR
Co-I (PI Dr. D Mangin)
Dates: October 2018-September 2021
Submission date: March 6, 2018

2018-2021 The Aging, Community and Health Research Unit (ACHRU) Community
\$2,500,625 Partnership Program for Diabetes Self-Management for Older Adults –
Canada
CIHR SPOR PIHCI
Co-I (NPI Dr. Jenny Ploeg)

2018 Defining Weight Trajectories for the Alberta Population from the
\$10,000 Canadian Primary Care Sentinel surveillance Network (CPCSSN)
CIHR
CO-PI (PI Dr. Sonja Wicklum)

<p>2017 \$8300</p>	<p>COPD Cohort Study Lung Association Co-I (PI Dr. Andrew Cave)</p>
<p>2017-2018 \$5000</p>	<p>Anxiety and Depression during Pregnancy and Pre-term Birth PolicyWise for Children & Families Co-I (PI Kamala Adhikari Dahal (student) and Dr. Amy Metcalfe)</p>
<p>2017-2018 \$69,000</p>	<p>Preventable Acute Care Spending Among High Systems users CIHR Operating Grant: Secondary Data Analysis Co-I (PI Dr. Paul Ronksley)</p>
<p>2016-2019 \$485,456</p>	<p>Automated coding error detection tools in administrative health data: development and validation CIHR Project Scheme 1st Live Pilot Co-PI (NPI Dr. Hude Quan)</p>
<p>2016-2019 \$1,800,000</p>	<p>Coordinated Care Team for Vulnerable Patients with Complex Care Needs AIHS PRIHS 3 Co-I (PI Dr. Gabriel Fabreau)</p>
<p>2016-2017 \$45,000</p>	<p>Sleeping for two: A pilot randomized controlled trial of cognitive behavioral therapy for insomnia in pregnant women Calgary Centre for Clinical Research (CCCR) Co-I (PI Dr. Lianne Tomfor-Madsen)</p>
<p>2016-2019 \$50,301</p>	<p>Development and Evaluation of a Community-Based Model of Care for Sleep-Disordered Breathing Cumming School of Medicine Enhanced Bridge Funding Co-PI (NPI Dr. Sachin Pendharkar)</p>
<p>2015-2017 \$153,265</p>	<p>Characterizing High System Use Across the Primary-Tertiary Care Continuum: Parallel Analyses of Select Canadian Health Datasets CIHR SPOR PIHCIN Quick Strike Nominated Principal Applicant</p>
<p>2015-2017 \$229,300</p>	<p>Validation of Administrative and Primary Care Electronic Medical Record Derived Frailty Algorithms CIHR SPOR Quick Strike Co-PI (NPI Dr. Sabrina Wong)</p>
<p>2015-2019</p>	<p>Prenatal Stress, Nutrients and Child Development</p>

\$300,000	CIHR Open Operating Grant Co-I (PI Dr. Gerry Giesbrecht)
2015-2020 \$3,700,000	Advancing Concussion Assessment and Treatment in Children and Youth CIHR Foundation Scheme Co-I (PI Dr. Keith Yeates)
2015-2020 \$962,920	Advancing the Science of Data Quality for Electronic Health Databases: Applications to Chronic Disease Research and Surveillance CIHR Foundation Scheme Co-I (PI Dr. Lisa Lix)
2015-2017 \$2,000,000	The implementation of the 'CPCSSN Data Presentation Tool' in primary care clinics to enhance the surveillance, prevention and management of chronic disease. Public Health Agency of Canada (PHAC) Co-I (PI Dr. Neil Drummond)
2015-2017 \$37,500	Optimizing Integration of CPR Feedback Technology with Mini-CPR Teams for Cardiac Arrest: A Randomized Trial Heart and Stroke Foundation of Canada (HSFC) Seed Grant Co-I (PI Dr. Adam Cheng)
2015-2017 \$30,000	Linking Primary Care EMR Data and Provincial Administrative Data AHS Primary Health Care Strategic Clinical Network PI
2015-2017 \$27,000	CPR Feedback Technology with Mini-CPR Teams Zoll Foundation Co-I (PI Dr. Adam Cheng)
2014-2017 \$150,000	Statistics for Epidemiology Alberta Children's Hospital Research Institute (ACHRI) PI
2015-2018 \$748,678	Primary Care Pathway for Childhood Asthma AIHS Co-I (Co-PIs Dr. Andrew Cave and Dr. David Johnson)
2015-2017 \$152,098	Community Paramedic Point of Care Testing Canadian Safety and Security Programme Co-I (PI Ian Blanchard)

RECENT COMPLETED FUNDING

2013-2016 \$750,000	Toward Improved Outcomes of Antithymocyte Globulin-conditioned Hematopoietic Cell Transplantation AIHS Co-I (PI Dr. Jan Storek)
2015-2016 \$49,993	ePrism (electronic Patient-centered Research and InnovationS in Multimorbidity) A CIHR SPOR Chronic Disease Team. (LOI) SPOR Networks in Chronic Disease Co-I (PI Dr. Richard Birtwhistle)
2014 \$69,614	Canadian Primary Care Pharmacovigilance Demonstration Project Health Canada PI
2011-2013 \$208,378	Identification of Prognostic Factors and Therapeutic Targets in Childhood CNS Atypical Teratoid Rhabdoid Tumors (ATRT) C17 Network Co-I (PI Dr. Lucie Lafay-Cousins)
2011 \$25,000	Developing a team to evaluate different models of primary care delivery, through the lens of social and material deprivation. CIHR Co-PI (PI Dr. Richard Birtwhistle)

ii. Publications

SUMMARY OF PEER REVIEWED ARTICLES

AUTHOR	NUMBER
FIRST AUTHOR	7
SECOND AUTHOR	10
STUDENT IS FIRST AUTHOR	32
SENIOR AUTHOR	18
TOTAL PUBLICATIONS	94

*First author is a student / resident

ARTICLES IN PEER-REVIEWED JOURNALS

1. McGrail K, Jones K, Akbari A, Bennett T, Boyd A, Carinci F, Cui X, Denaxas S, Dougall N, Ford D, Kirby RS, Kum HC, Moorin R, Moran R, O’Keefe C, Preen D, Quan H, Sanmartin C, Schull, M, Smith M, Williams C, **Williamson T**, Wyper G, Kotelchuck M. A Position Statement on Population Data Science. *International Journal for Population Data Science* 3 (1), 2018 doi: 10.23889/ijpds.v3i1.415
2. Kalra A, Roessner C, Jupp, **Williamson T**, Tellier R, Chaudhry A, Khan F, Taparia M, Jimenez-Sepeda V, Stewart D, Daly An, Storek J. Epstein Barr virus DNAemia monitoring for the management of post-transplant lymphoproliferative disorder. *Accepted Cytotherapy Journal*.
3. Boffa J, Mayan M, Ndlovu S, Mhlaba T, **Williamson T**, Sauve R, Fisher D. The role of agency in the implementation of Isoniazid Preventive Therapy (IPT): Lessons from *oMakoti* in uMgungundlovu District, South Africa. *PLoS ONE* 13(3): e0193571. Doi.org/10.1371/journal.pone.0193571. PONE-D-17-29649R1
4. Peng M, Sundararajan V, **Williamson T**, Minty E, Smith T, Doktorchik CTA, Quan H. Data on coding association rules from an inpatient administrative health data coded by International classification of disease - 10th revision (ICD-10) codes. *Journal of Biomedical Informatics* 2018 doi: 10.1016/j.dib.2018.02.043 . Volume 79, pages 41-47.
5. McAlister F, Lethebe B, Lambe C, **Williamson T**; Lowerison M. Control of Glycemia and Blood Pressure in British Adults With Diabetes Mellitus and Subsequent Therapy Choices: A Comparison Across Health States. *Cardiovascular Diabetology* 17 (1), 27, 2018 doi: 10.1186
6. Peng M, Sundararajan V, **Williamson T**, Minty E, Smith T, Doktorchik C, Quan H. Exploration of Association Rule Mining for Coding Consistency and Completeness Assessment in Inpatient Administrative Health Data. *Journal of Biomedical Informatics* 2018 doi: 110.1016/j/jbi.2018.02.001
7. Taffé P, Peng M, Stagg V, **Williamson T**. Method Compare: An R Package to Assess Bias and Precision in Method Comparison Studies. *Statistical Methods in Medical Research*, doi: 10.1177
8. *Premji SS, Pana G, Currie G, Dosani A, Reilly S, Young M, Hall M, **Williamson T**, & Lodha AK. Mother’s level of confidence in caring for her late preterm infant: A mixed method study. *Journal of Clinical Nursing* 2017; 0925.R2, Impact Factor 1.214

9. Nicholson K, Terry AL, Fortin M, **Williamson T**, Bauer M, Thind A. The Multimorbidity Cluster Analysis Tool: Identifying Combinations and Permutations of Multiple Chronic Diseases Using a Record-Level Computational Analysis. *Journal of Innovation in Health Informatics* 2017;24(4):339-343
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ARTICLES IN NON-PEER-REVIEWED MEDIA

1. Keshavjee K, **Williamson T**, Natarajan N, Spafford K. Canada's Chronic Disease Surveillance network is now live. Canadian Healthcare Technology. 2013; 18(4):21-2. Epub April 30, 2013.

iii. Technical Reports (n=7)

1. Doig C, Lang E, **Williamson T**. Community Paramedic Point of Care Testing: A Comprehensive Assessment and Technology Comparison. March 31, 2017. Submitted to AHS Emergency Services Senior Leadership.

2. **Williamson T**, Birtwhistle R, Martin K, Lévesque L, Morkem R, Khan S. CPCSSN Adverse Event Reporting System (CAERS) Analytic Report. December 2013, Submitted to Health Canada.
3. **Williamson T**, Lambert-Lanning A, Martin K, Leggett JA, Morkem R, Khan S, Birtwhistle R. Primary Health Care Intelligence: 2013 Progress Report of the Canadian Primary Care Sentinel Surveillance Network. Submitted to the Public Health Agency of Canada and other government agencies.
4. Thomas R, Lorenzetti D, Spragins W, Jackson D, **Williamson T**. A systematic review of yellow fever vaccine-associated serious adverse events, 2011. Submitted to the World Health Organization, Global Advisory Committee on Vaccine Safety.
5. Dickinson JA, Bani-Adam G, Berzins S, Medd E, Rivera K, **Williamson T**. Survey of Alberta family physicians' reactions to the spring and summer phase of pH1N1 (pandemic swine flu) outbreak, 2009. Submitted to the Tarrant Viral Watch.
6. Blanchard I, **Williamson T**, Anton A. Patient Safety Issues from Non-Transport, 2006. Submitted to the Office of the Chief, Calgary EMS.
7. Blanchard I, Klein-Swormink H, **Williamson T**. Calgary Emergency Medical Services: Trauma Report, 2005. Submitted to the Calgary Health Region's Trauma Review Committee.
8. Blanchard I, Klein-Swormink H, **Williamson T**. Calgary Emergency Medical Services: Report on Activities, 2005. Submitted to the Honorable Dave Bronconnier, Mayor of the City of Calgary.

iv. Invited Presentations & Seminars (n=19)

*First author is a student

1. **Williamson T**, Lix L, Koval A, Le Prohon N. Big data, big opportunities: exploring careers in population data science. Invited panel presentation at the CAHSPR Conference, May 2018, Montreal, Quebec.
2. *Brobbeby A, Lix LM, Nettel-Aguirre A, Wiebe S, **Williamson T**, Sajobi T. Longitudinal Classification Models with Applications to Health-Related Quality of Life. Invited paper presented at the International Conference for Health Policy Statistics, January 2018, Charleston, South Carolina.

3. *Weaver CG, **Williamson T**. A Beginner's Guide to Machine Learning and its Applications in Primary Care. NAPCRG Annual Meeting Pre-Conference Invited Workshop Speaker (Expenses Paid), November 2017, Montreal, Quebec.
4. **Williamson T**, Using Machine Learning to Improve Case Definition Development in a Canadian Primary Care Electronic Medical Record. Data Institute Annual Conference, Invited Speaker. October 2017, San Francisco, CA
5. **Williamson T**, Fabreau G, McBrien K, Drummond N, Polacheck A, Garies S, Hao S, Weaver C Ronksley P. Defining and describing high system use in primary care, PIHCIN/CAHSPR Pre-Conference, May 2017, Toronto, Ontario (oral presentation to policy makers).
6. *Li G, Sajobi TT, Menon BK, Korngut L, Lowerison M, James M, Wilton S, **Williamson T**, Gill S, Drogos LL, Smith EE, Vohra S, Hill MD, Thebane L. Registry-based Randomized Controlled Trials – The Future for Clinical Trials? Society of Clinical Trials Conference, May 2017, Liverpool, UK.
7. Thull-Freedman J, **Williamson T**, Lethebe BC, Stang A. Improving the Pain Experience for Children with Limb Injury in the City of Calgary, Alberta: A Multi-Site Quality. Pediatric Academic Societies, May 2017, San Francisco.
8. *Lethebe BC, **Williamson T**. Statistical Challenges in Validation Studies. Statistical Society of Canada Annual Meeting, June 2017, Winnipeg, MB
9. **Williamson T**. Career Choices in Community Health Sciences and the Supervisory Relationship, Department of Community Health Sciences Student Seminar, University of Calgary, December 2015
10. **Williamson T**. Log-Binomial Models, NAPCRG Annual Meeting Pre-Conference Invited Workshop Speaker (Expenses Paid), October 24, 2015.
11. **Williamson T**, Garies S, Drummond N. The Future of EMRs in Alberta, CIHR SPOR Summit, June 2015.
12. **Williamson T**. What I wish I'd known when I started grad school. Campus Alberta Student Conference on Health (CASCH), September 2014.
13. **Williamson T**, Drummond N, Birtwhistle RV. Learnings from the NPHSNC: Part IV: Developing disease case definitions for three chronic neurological conditions (Dementia, Epilepsy, and Parkinsonism). Canadian Dementia Resource and Knowledge Exchange (CDRAKE), July 2013.
14. **Williamson T**, Eliasziw M, Fick GH. Estimating Relative Risk. Department of Community Health and Epidemiology Research in Progress, Queen's University February 2012.

15. **Williamson T.** Why do I care about primary care research? Department of Family Medicine Research Day, February 2012.
16. **Williamson T,** Eliasziw M, Fick GH. Log-Binomial Models: What to do with Failed Convergence. Calgary Institute for Population and Public Health Seminar Series, November 2011.
17. **Williamson T.** Methods for Accounting for Multiple Comparisons. Immunology Research Group Monthly Meeting, May 2010.
18. **Williamson T.** Multivariate Analysis: An Epidemiological Paradigm. Immunology Research Group Monthly Meeting, November 2009.
19. **Williamson T.** A Random Sample of Statistical Methods. Immunology Research Group Monthly Meeting, September 2009.
20. **Williamson T.** Understanding Confidence Intervals. Department of Family Medicine Annual Research Day, February 2008.
21. **Williamson T.** Advanced Statistical Modeling Techniques. City of Calgary Annual Research Symposium, May 2007.
22. **Williamson T.** How to Prepare Data for the Statistician. Pediatric Emergency Research Canada (PERC) Annual Conference, January 2006.

v. Abstracts and Conference Presentations

SUMMARY OF ABSTRACTS AND CONFERENCE PRESENTATIONS

AUTHOR	ORAL PRESENTATIONS	POSTER PRESENTATIONS	CONFERENCE WORKSHOPS	NUMBER
FIRST AUTHOR	7	5	3	15
SECOND AUTHOR	7	8		12
STUDENT IS FIRST AUTHOR	21	39		60
PATIENT IS FIRST AUTHOR	1			1
SENIOR AUTHOR	3	20	2	25
OTHER	15	17		32

TOTAL	51	86	5	143
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*First author is a student †Oral presentation ‡Conference Workshop

1. *†Holodinsky J, **Williamson T**, Demchuk A, Zhao H, Zhu L, Malik F, Goyal M, Hill M, Kamal N. Drip and Ship vs. Mothership: Conditional Probability Modelling for Patients with Suspected Large Vessel Occlusion. American Society of Neuroradiology (ASNR) 56th Annual Meeting, Vancouver, BC June 02-07, 2018
2. *†Holodinsky J, **Williamson T**, Demchuk AD, Zhao H, Francis M, Goyal M, Hill M, Kamal N. Drip and Ship vs. Mothership: A Comparison of Two Different Conditional Probability Models. American Society of Neuroradiology (ASNR) 56th Annual Meeting, Vancouver, BC June 02-07, 2018
3. *†Holodinsky J, **Williamson T**, Demchuk AD, Zhao H, Francis M, Goyal M, Hill M, Kamal N. Drip and Ship vs. Mothership: The Effect of Large Vessel Occlusion Screening Tools on Conditional Probability Modelling. American Society of Neuroradiology (ASNR) 56th Annual Meeting, Vancouver, BC June 02-07, 2018
4. Thull-Freedman J, Pols E, Mitra T, Lethebe BC, **Williamson T**, Mudiayi D. Improving the Pain Experience for Children with Limb Injury: A Quality Improvement Initiative. Pediatrics 141 (1 Meeting Abstract), 348-348, 2018
5. Thull-Freedman J, Pols E, McFetridge A, **Williamson T**, Libbey S, Ali S, Lonergan K, Stang A. Improving Treatment of Children's Presenting and Procedural Pain for Emergency Department Visits: A Province-Wide Quality Improvement Collaborative. CAEP 2018 Abstract Competition, Calgary, AB, May 26-30, 2018 (Winner of the CAEP 2018 Top QIPS Abstract Award)
6. Dahal KA, Patten S, **Williamson T**, Paatel A, Premji S, ToughS, Letourneau N, Giesbrecht G, Metcalfe A. Risk of Preterm Birth among Women Living in deprived neighbourhoods Differs by Women's Depression and Anxiety Status. 31st Annual Sebastian K. Littmann Research Day, Calgary, AB March 2, 2018
7. *Cherak S, Malebranche M, Metcalfe A, Ronksley P, **Williamson T**, Giesbrecht G. Association Between Maternal Prenatal Salivary Cortisol and Birth Weight. Developmental Origins of Health and Disease Conference, Banff, AB Feb 14, 2018 (Poster presentation).
8. *†Premji SS, Dosani A, Reilly S, Currie G, Oliver LM, Lodha A, Young M, Hall M, **Williamson T**. Fathers of late preterm infants and their experience with community-based care. 2017 Abstract and poster presentation at the 5th Canadian National Perinatal Research Meeting from February 14-17, 2018 at the Banff Centre, Banff, Alberta, Canada.

9. Holodinsky J, **Williamson T**, Demchuk A, Zhao H, Zhu L, Malik F, Goyal M, Hill M, Kamal N. Drip and Ship vs. Mothership: Conditional Probability Modelling for Patients with Suspected Large Vessel Occlusion. International Stroke Conference, Los Angeles, CA January 23-26, 2018
10. *Brobbeey A, **Williamson T**, Nettel-Aguirre A, Wiebe S, Lix L, Sajobi T. Longitudinal Classification Models with Application in Health-Related Quality of Life Studies. International Conference on Health Policy Statistics, Charleston, South Carolina, January 10-12, 2018.
11. *‡Weaver C, McBrien K, Sajobi T, Ronksley P, Lethebe B, **Williamson T**. Using Primary Care Electronic Medical Record Data and Machine Learning to Predict Acute Care Use. North American Primary Care Research Group (NAPCRG) Conference. Montreal, QC November 17-21, 2017 (Poster presentation).
12. ‡Wong S, Katz, A, **Williamson T**, Schell O, McCracken R, Price M TM, McGrail K. Identification of Frailty: Using Administrative and Electronic Medical Record Data. North American Primary Care Research Group (NAPCRG) Conference. Montreal, QC November 17-21, 2017 (Poster presentation).
13. ‡Morkem R, Barber D, Birtwhistle R, Queenan J. Trends in Primary Care Prescribing of Antipsychotics to Children and Adolescents. North American Primary Care Research Group (NAPCRG) Conference. Montreal, QC November 17-21, 2017 (Poster presentation).
14. ‡Nicholson K, Griffith L, Raina P, Fortin M, Mangin D, Terry A, **Williamson T**. Therapeutic Competition and Ageing Phenotypes of Multimorbidity in Canada. North American Primary Care Research Group (NAPCRG) Conference. Montreal, QC November 17-21, 2017 (Poster presentation).
15. *‡Lethebe B, Quan H, Ronksley P, Sajobi T, Weaver C, **Williamson T**. Using Machine Learning to Develop Case Definitions for Common Chronic Diseases in a Primary Care Electronic Medical Record Database. North American Primary Care Research Group (NAPCRG) Conference. Montreal, QC November 17-21, 2017.
16. ‡Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: In-Depth Exploration of the Patterns and Progression Among Adult Primary Health Care Patients. North American Primary Care Research Group (NAPCRG) Conference. Montreal, QC November 17-21, 2017.
17. *†Holodinsky J, **Williamson T**, Demchuk AD, Zhao H, Coreas A, Francis M, Pfanmuller B, Goyal M, Hill M, Kamal N. Drip and Ship vs. Mothership: A Comparison of Two Different

Conditional Probability Models. International Stroke Conference. Houston, TX, United States, February 22-24, 2017.

18. *Holodinsky J, **Williamson T**, Demchuk AD, Zhao H, Coreas A, Francis M, Pfanmuller B, Goyal M, Hill M, Kamal N. Drip and Ship vs. Mothership: Conditional Probability Modelling for patients with Suspected large Vessel Occlusion. International Stroke Conference. Houston, TX, United States, February 22-24, 2017 (Poster presentation)
19. *Holodinsky J, **Williamson T**, Demchuk AD, Zhao H, Coreas A, Francis M, Pfanmuller B, Goyal M, Hill M, Kamal N. Drip and Ship vs. Mothership: The Effect of Large Vessel Occlusion Screening Tools on Conditional Probability Modeling. International Stroke Conference. Houston, TX, United States, February 22-24, 2017 (Poster presentation)
20. *Weaver C, McBrien K, Sajobi T, Ronksley P, Lethebe B, **Williamson T**. Using primary care electronic medical record data and machine learning to predict acute care use. Western Canadian Universities Big Data Health Conference. Banff, AB, September 28-29, 2017. (Poster presentation)
21. Wong S, **Williamson T**, Katz A, McGrail K, Schell O, McCracken R, Singer A, Price M. Identifying frailty to support policy and care using administrative data. CAHSPR Conference, May 2017, Toronto, ON. (poster presentation)
22. †Thull-Freedman J, **Williamson T**, Lethebe BC, Stang A. Improving the pain experience for children with limb injury in the city of Calgary, Alberta: a multisite improvement collaborative. American Academy of Pediatrics National Conference, Chicago, IL, September 16-19, 2017.
23. *†Weaver C, McBrien K, Sajobi T, Ronksley PE, Lethebe BC, **Williamson T**. Using primary care electronic medical record data and machine learning methods to predict use of acute health care services. Canadian Society of Epidemiology and Biostatistics Conference, Banff, Alberta, May 30-June 2, 2017.
24. *†Lethebe C, Sajobi T, Quan H, Ronksley P, **Williamson T**. Using Machine Learning Methods to Create Chronic Disease Case Definitions in a Primary Care Electronic Medical Record. Canadian Society of Epidemiology and Biostatistics Conference, Banff, Alberta, May 30-June 2, 2017.
25. †Gersbach BM, Gersbach RE, Scoular RJ, Ronksley PE, McBrien KA, Fabreau GE, Cheung A, Lindeman C, Drummond N, **Williamson T**. Engaging patients in big-data methods research. SPOR Summer Institute, Edmonton, Alberta, June 2017.

26. †McBrien K, Fabreau G, Drummond N, Polacheck A, Garies S, Hao S, Ronksley P **Williamson T**. Characterizing High System Use in Primary Care. Annual Scientific Assembly of the Alberta College of Family Physicians, Banff, Alberta, March 2-4, 2017.
27. *Jensen A, **Williamson T**, Ronksley PE, Fabreau G, Drummond NA, Katz A, Singer A, Wong S, Manca D, Polachek A, Cheung A, McBrien KA. Who are the medically complex patients in Canadian Primary Care? Annual Scientific Assembly of the Alberta College of Family Physicians, Banff, Alberta, March 2-4, 2017.
28. *†Jensen A, **Williamson T**, Ronksley PE, Fabreau G, Drummond NA, Katz A, Singer A, Wong S, Manca D, Polachek A, Cheung A, McBrien KA. Who are the medically complex patients in Canadian Primary Care? A comparative assessment of measures of multimorbidity. SGIM Annual Meeting, Washington, DC, April 19-22, 2017.
29. †Singer A, Katz A, Halas G, McBrien K, Fabreau G, Drummond N, Polacheck A, Garies S, Hao S, Ronksley P **Williamson T**. Characterizing High System Use Across the Primary-Tertiary Care Continuum: Parallel Analyses of Select Canadian Health Datasets. SPOR Manitoba CRINGe Speaker Series, April 13, 2017.
30. †Stang A, **Williamson T**, Pols E, McFetridge A, Libbey S, Lang E, Thull-Freedman J. Improving the Pain Experience for Children with Limb Injury in the City of Calgary, Alberta: A Multi-Site Quality Improvement Collaborative. Pediatric Academic Societies Meeting, San Francisco, CA, May 6-9, 2017.
31. †Katz A, McGrail K, Schell O, **Williamson T**, McCracken R, Singer A, Price M. Identification of Frailty: Using Administrative and Electronic Medical Record Data. NAPCRG November 17 – 21, 2017. Montreal, QC (oral presentation).
32. *Lethebe C, Sajobi T, Quan H, Ronksley P, **Williamson T**. Using Machine Learning Methods to Create Chronic Disease Case Definitions in a Primary Care Electronic Medical Record. Informatics for Health, April 24 – 26, 2017, Manchester Central, UK. Nominated for Best Poster.
33. Thull-Freedman J, **Williamson T**, Lethebe BC, Stang A. Improving the pain experience for children with limb injury in the city of Calgary, Alberta: a multisite improvement collaborative. International Forum on Quality and Safety in Healthcare, April 2017, London, England (poster).
34. †**Williamson T**, Fabreau G, McBrien K, Drummond N, Polacheck A, Garies S, Hao S, Weaver C, Ronksley P. Defining and describing high system use in primary care, CAHSPR Conference, May 2017, Toronto, Ontario (oral presentation).

35. *Souri S, Symonds N, Rouhi A, Lethebe B, Garies S, Ronksley P, **Williamson T**, Fabreau G, Birtwhistle RV, Quan H, McBrien K. Identification of validated case definitions for chronic disease using electronic medical records (EMRs): A systematic review, CAHSPR Conference, May 2017, Toronto, Ontario.
36. *†Garies S, Ronksley PE, Lethebe BC, McBrien KA, Drummond NA, Quan H, **Williamson T**. Validated Case Definitions using Linked Electronic Medical Record (EMR) and Administrative Databases: a systematic review, May 2017, CAHSPR Conference, Toronto, Ontario.
37. *†Nicholson K, Terry A, Fortin M, **Williamson T**, Bauer M, Thind A. Examining Prevalence, Patterns and Progression of Multimorbidity Among Primary Health Care Patients Using a Pan-Canadian Electronic Medical Record Database. North American Primary Care Research Group Annual Meeting 2016, Colorado Springs, CO, November 14, 2016.
38. *Nicholson K, Terry A, Fortin M, **Williamson T**, Bauer M, Thind A. Multimorbidity in Older Adults: Examining Prevalence and Patterns of Multiple Chronic Diseases Using a Pan-Canadian Electronic Medical Record Database. Canadian Association on Gerontology Annual Scientific Meeting, Montreal, Quebec, October 21, 2016.
39. **Williamson T**, Fabreau G, McBrien K, Drummond N, Polacheck A, Garies S, Hao S, Ronksley P. Characterizing High System Use Across the Primary-Tertiary Care Continuum: Parallel Analyses of Select Canadian Health Datasets. North American Primary Care Research Group (NAPCRG) Annual Meeting, Colorado Springs, CO. November 14, 2016.
40. ‡**Williamson T**, Morley CP, Bartlett G, Fox CH, Green LA, LeMaster JW, O’Biernie M, Salsberg J, Tapp H. CASFM 2016 Methods Pre-Conference: Advancing Primary Care Research. North American Primary Care Research Group (NAPCRG) Annual Meeting, Colorado Springs, CO. November 12, 2016.
41. *Mickle A, Brenner D, Beattie T, **Williamson T**, Friedenreich C. Influence of Dietary Antioxidant and Oxidant Levels on Leukocyte Telomere Length. Campus Alberta Student Conference on Health (CASCH), Calgary, AB. September 10, 2016.
42. *Shaw M, Hao Z, Garies S, McBrien K, Simmonds K, Thull-Freedman J, Thompson B, **Williamson T**. Antibiotic Prescription Trends In Canada From 2010-2014 Using CPCSSN Data. Campus Alberta Student Conference on Health (CASCH), Calgary, AB. September 10, 2016.
43. *Chia JC, Abi Daoud MS, **Williamson TS**, Kurwa HA. Mohs micrographic surgery dermatopathology concordance in Canada. American Society for Dermatologic Surgery Annual Meeting, November 10-13, 2016, New Orleans, LA.
44. ‡Morley C, Bartlett G, Fox C, Green L, LeMaster J, O’Beirne M, Salsberg J, Tapp H, **Williamson T**. CASFM 2016 Methods Pre-Conference: Advancing Primary Care Research, NAPCRG Annual Meeting, Colorado Springs, CO. November 11-16, 2016.

45. *†Boffa J, **Williamson T**, Cowie B, Mayan M, Sauve R, Fisher D. Effectiveness of isoniazid preventive therapy to prevent tuberculosis among people living with HIV in KwaZulu-Natal, South Africa: A cohort study, 47th Union World Conference on Lung Health, Liverpool, UK. October 2016.
46. *†Weaver C, Clement F, **Williamson T**, McBrien K. The Future Health and Financial Burden of Cardiovascular Disease in Canada, Campus Alberta Student Conference on Health, Calgary, AB. September 2016.
47. *Lethebe C, Sajobi T, Quan H, **Williamson T**. Using machine learning methods to create chronic disease case definitions in primary care electronic medical records. O'Brien Institute EMR Symposium, Calgary, AB May 2016.
48. *Garies S, **Williamson T**, Drummond N, McBrien K, Quan H. Enhancing disease surveillance systems in Alberta through linked electronic medical record and administrative databases. O'Brien Institute EMR Symposium, Calgary, AB May 2016.
49. *Garies S, **Williamson T**, Drummond N, McBrien K, Quan H. Enhancing disease surveillance systems in Alberta through linked electronic medical record and administrative databases. SPOR Summer Institute, Calgary, AB May 2016
50. †**Williamson T**, Fabreau G, McBrien K, Drummond N, Polacheck A, Garies S, Hao S, Ronksley P. Characterizing High System Use Across the Primary-Tertiary Care Continuum: Parallel Analyses of Select Canadian Health Datasets. SPOR Summer Institute, Calgary, AB May 2016.
51. Thull-Freedman J, **Williamson T**, Lethebe BC, Stang A. Improving the Pain Experience for Children with Limb Injury: A Quality Improvement Initiative, American Academy of Pediatrics National Conference, San Francisco, CA October 2016.
52. †Walsh E, Coakley A, Yu S, Kamal M, Vaughan S, Lienhard K, **Williamson T**, Fabreau G. Strongyloidiasis and Schistosomiasis Screening and Prevalence among Refugees and Refugee Claimants in Canada, 6th Annual North American Refugee Health Conference, June 2016.
53. *Holodinsky J, **Williamson T**, Kamal N, Hill M, Goyal M. Drip and Ship vs. Direct to Comprehensive Stroke Centre: Conditional Probability Modeling. Canadian Stroke Congress 2016. Quebec City, QC, Canada Sept 15 - 17, 2016.
54. *Mickle AT, Friedenreich CM, Brenner DR, Beattie T, **Williamson T**, Ting N. Influence of Antioxidant and Oxidant Properties of Diet on Leukocyte Telomere Length. 2nd Annual Charbonneau Research Symposium, Calgary, AB February 5, 2016.

55. *†Mickle AT, Friedenreich CM, Brenner DB, Beattie T, **Williamson T**, Ting N. Influence of Antioxidant and Oxidant Properties of Diet on Leukocyte Telomere Length. Canadian Society of Epidemiology and Biostatistics (CSEB) National Student Conference, Winnipeg, MB June 10, 2016.
56. *†Boffa J, Mayan M, Ndlovu S, Cowie RL, Sauve R, **Williamson T**, Fisher D. Community-level challenges to tuberculosis preventive therapy provision in KwaZulu-Natal, South Africa. The Union World Conference on Lung Health. Liverpool, UK, October 26-29, 2016.
57. *Boffa J, Mayan M, Ndlovu S, Cowie RL, Sauve R, **Williamson T**, Fisher D. The implications of gender on the uptake of isoniazid preventive therapy in Zulu communities of uMgungundlovu District, South Africa. The Union World Conference on Lung Health. Liverpool, UK, October 26-29, 2016.
58. *Boffa J, Mayan M, Ndlovu S, Cowie RL, Sauve R, **Williamson T**, Fisher D. Pill Taking in a Resource-Poor Setting in South Africa: Implications for Practice. 21st International AIDS Conference (AIDS 2016), Durban, South Africa. July 18-22, 2016. (Poster).
59. *†Nicholson K, Terry A, Fortin M, **Williamson T**, Bauer M, Thind A. Multimorbidity in Canada: Examining Prevalence and Patterns of Multiple Chronic Diseases Using a National Electronic Medical Record Database. Society of Academic Primary Care Annual Scientific Meeting 2016, Dublin, Ireland, July 6 – 8, 2016.
60. *Nicholson K, Terry A, Fortin M, **Williamson T**, Bauer M, Thind A. Examining Prevalence, Patterns and Progression of Multimorbidity Among Primary Health Care Patients Using a Pan-Canadian Electronic Medical Record Database. Epidemiology Congress of the Americas Annual Meeting 2016, Miami, Florida, June 21 – 24, 2016.
61. *†Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Prevalence and Patterns of Multiple Chronic Diseases Using a National Electronic Medical Record Database. Canadian Society of Epidemiology and Biostatistics National Student Conference 2016, Winnipeg, Manitoba, June 8 – 10, 2016.
62. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Prevalence and Patterns of Multiple Chronic Diseases Using a National Electronic Medical Record Database. Canadian Student Health Research Forum 2016, Winnipeg, Manitoba, June 8, 2016.
63. *†Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Prevalence and Patterns of Multiple Chronic Diseases Using a National Electronic Medical Record Database. Canadian Association of Health Services and Policy Research

Conference 2016, Toronto, Ontario, May 10 – 12, 2016. *Won best student oral presentation.

64. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Older Adults: Examining Prevalence and Patterns of Multiple Chronic Diseases Using a Pan-Canadian Electronic Medical Record Database. Canadian Geriatrics Society Annual Scientific Meeting, Vancouver, British Columbia, April 14 – 16, 2016. *Won best student oral presentation.
65. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Prevalence and Patterns of Multiple Chronic Diseases Using a National Electronic Medical Record Database. London Health Research Day, London, Ontario, March 29, 2016.
66. Morkem R, Barber D, Patten S, **Williamson T**. Antidepressant Prescribing to Children and Adolescents in Canadian Primary Care. North American Primary Care Research Group Annual Meeting 2015, Cancun, Mexico, October 24-28, 2015.
67. Barber D, Biro S, Janssen I, Khan S, Morkem R, Queenan J, **Williamson T**. Primary care electronic medical records: A data source for monitoring child and adolescent population weight status? North American Primary Care Research Group Annual Meeting 2015, Cancun, Mexico, October 24-28, 2015.
68. *Nicholson K, Terry A, Fortin M, **Williamson T**, Bauer M, Thind A. Examining Prevalence, Patterns and Progression of Multimorbidity Among Primary Health Care Patients Using a Pan-Canadian Electronic Medical Record Database. [Poster]. North American Primary Care Research Group Annual Meeting 2015, Cancun, Mexico, October 24 – 28, 2015.
69. Coons MJ, Greiver M, **Williamson T**, Queenan J, Yu C, White D, Kiran T, Kane J, Aliarzadeh B, Southgate C, Moineddin R, Meaney C. Achieved Glycemic Control in Adults with Diabetes in Primary Care: A Pan-Canadian Investigation. North American Primary Care Research Group Annual Meeting 2015, Cancun, Mexico, October 24-28, 2015.
70. †Leggett JA, Greiver M, Manca D, **Williamson T**, Martin K, Queenan J. Facilitating Informatics for Research using Health Data Aggregated from Electronic Health Records across Multiple Jurisdictions through the Implementation of a *Privacy by Design* Privacy and Information Security Architecture. 17th International Symposium for Health Information Management Research (ISHIMR), York, England, UK, June 25-26, 2015
71. *†Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Examining Multimorbidity in Primary Health Care Using a Pan-Canadian Electronic Medical Record Database. Trillium Primary Health Care Research Day 2015, Toronto, Ontario, June 4, 2015.

72. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. The Methodological Challenges of Identifying Multimorbidity in a Pan-Canadian Electronic Medical Record Database. Canadian Society of Epidemiology and Biostatistics Biennial Conference, Toronto, Ontario, June 1 – 4, 2015.
73. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. The Methodological Challenges of Identifying Multimorbidity in a Pan-Canadian Electronic Medical Record Database. London Health Research Day, London, Ontario, April 1, 2015.
74. Barber D, Biro S, Janssen I, Khan S, Morkem R, Queenan J, **Williamson T**. Primary care electronic medical records: A data source for monitoring child and adolescent population weight status? Canadian Obesity Summit 2015, Toronto, Ontario, April 28-May 2, 2015.
75. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. The Methodological Challenges of Identifying Multimorbidity in a Pan-Canadian Electronic Medical Record Database. North American Primary Care Research Group Annual Meeting 2014, New York, New York, November 21 – 25, 2014.
76. Queenan J, Birtwhistle J, **Williamson T**, Khan S, Martin K, Levesque L, Pharmacovigilance in Canada: Evaluating the value of CPCSSN for Adverse Event Reporting, Poster on Completed Research, 42nd Annual North American Primary Care Research Group Meeting, New York, NY, November 21 – 25, 2014.
77. Manca D, Barber T, Duerksen K, Forst B, Koppula S, Torti J, Wiley R, **Williamson T**. Examining the relationship between patient/provider gender and chronic disease management, prevention and screening in primary care. 42nd Annual North American Primary Care Research Group Meeting, New York, NY, November 21 – 25, 2014.
78. Martin K, Barber D, Birtwhistle R, Keshavjee K, Kinsella L, Kotecha J, **Williamson T**. Assessing the Feasibility of Using the Canadian Primary Care Sentinel Surveillance Network (CPCSSN) for Clinical Analytics. 42nd Annual North American Primary Care Research Group Meeting, New York, NY, November 21 – 25, 2014.
79. Garies S, Birtwhistle R, Drummond N, Khan S, Quan H, **Williamson T**. Hypertension Incidence in Canadian Primary Care EMR Data. 42nd Annual North American Primary Care Research Group Meeting, New York, NY, November 21 – 25, 2014.
80. Keshavjee K, Birtwhistle R, Martin K, Queenan J, and **Williamson T**. Using CPCSSN for Primary Care Research: Do Multiple Projects Lead to Multiple Successes? 42nd Annual North American Primary Care Research Group Meeting, New York, NY, November 21 – 25, 2014.

81. Morkem R, Barber D, Patten S, **Williamson T**. Describing the Pharmacoepidemiology of Antidepressant Prescribing in Canada using primary care data from The Canadian Primary Care Sentinel Surveillance Network (CPCSSN). 42nd Annual North American Primary Care Research Group Meeting, New York, NY, November 21 – 25, 2014.
82. **Williamson T**, Birtwhistle R, Queenan J, Morkem R, Martin K, and Lévesque L. Pharmacovigilance in Canada: Evaluating the value of CPCSSN for Adverse Event Reporting. 42nd Annual North American Primary Care Research Group Meeting, New York, NY, November 21 – 25, 2014.
83. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Its Burden Using Electronic Medical Records. [Poster]. Primary Health Care Research Conference, Canberra, Australia, July 23 – 25, 2014.
84. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Its Burden Using Electronic Medical Records. [Poster]. Society of Academic Primary Care, Edinburgh, Scotland, July 9 – 11, 2014.
85. †Morkem R, Barber D, **Williamson T**, Patten S. The Pharmacoepidemiology of Antidepressant Prescribing in Canada. 43rd Annual Scientific Meeting of the Society for Academic Primary Care (SAPC), Edinburgh, Scotland, July 9-11, 2014.
86. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Its Burden Using Electronic Medical Records. [Poster]. Canadian Student Health Research Forum, Winnipeg, Manitoba, June 10 – 12, 2014.
87. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Its Burden Using Electronic Medical Records. [Poster]. Trillium Primary Health Care Research Day 2014, Toronto, Ontario, May 28, 2014.
88. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Canada: Examining Its Burden Using Electronic Medical Records. [Poster]. Canadian Society of Epidemiology and Biostatistics National Student Conference, Hamilton, Ontario, May 9 – 10, 2014.
89. *Nicholson K, Terry A, Fortin M, **Williamson T**, Thind A. Multimorbidity in Primary Care: Identifying Complex Patients Using Electronic Medical Records. [Poster]. London Health Research Day, London, Ontario, March 18, 2014.
90. **Williamson T**, Martin K, Keshavjee K, Birtwhistle RV, Drummond N. Representativeness and Data Quality in the Canadian Primary Care Sentinel Surveillance Network (CPCSSN). Canadian Association of Health Services and Policy Research (CAHSPR) Conference 2014, Toronto, ON.

91. †Green ME, Natajaran N, O'Donnel D, **Williamson T**, Khan S, and Cave A. Chronic Obstructive Pulmonary Disease in Canadian Primary Care Practices: A CPCSSN Study. 7th World Conference of the International Primary Care Respiratory Group, Athens, Greece.
92. Asghari S, Aref-Eshghi E, Godwin M, Duke P, **Williamson T**. Rural/Urban Differences in Canadian Lipid Levels and Prevalence of Dyslipidemia. 12th WONCA World Rural Health Conference, Gramado, Brazil.
93. ‡**Williamson T**, Taylor A, Birtwhistle R, Drummond N, Jayatraman G. Bringing Primary Care and Public Health Together: How CPCSSN is Closing the Gap. Public Health 2014, Toronto, ON.
94. †Morkem R, Barber D, **Williamson T**, Patten S. The Pharmacoepidemiology of Antidepressant Prescribing in Canada. Public Health 2014, Toronto, ON.
95. *†**Williamson T**, Khan S, Green M, Birtwhistle R, Wong ST, Natarajan N, et al. Validating the Canadian Primary Care Sentinel Surveillance Network (CPCSSN) Algorithms for Eight Chronic Diseases. 41st Annual North American Primary Care Research Group Meeting, Ottawa, ON.
96. †Morrow J, Forst B, Duerksen K, **Williamson T**, Manca D. Cardiovascular and Lifestyle Risk Factors Associated with Back Pain: Data from the AFPRN-CPCSSN Network. Family Medicine Forum Research Day, Vancouver, BC.
97. Sabri S, Natarajan N, Varatharasan N, **Williamson T**. Comparing Diagnostic Indicators in Identifying Patients With Chronic Disease Using Electronic Medical Records Data. 41st Annual North American Primary Care Research Group Meeting, Ottawa, ON.
98. Natarajan N, Varatharasan N, Sabri S, **Williamson T**. Is Chart Abstraction Sufficient or is the "Gold Standard" of Physician Diagnosis Needed When Validating EMR Case Detection Algorithms? 41st Annual North American Primary Care Research Group Meeting, Ottawa, ON.
99. Biro S, Birtwhistle R, Barber D, Moore K, Janssen I, **Williamson T**, Belanger P, Kotecha J, Khan S, Kinsella L. A Pilot Study to Develop Processes for Using the Canadian Primary Care Sentinel Surveillance Network to Build a Healthy Weight Surveillance System. Canadian Obesity Summit (Abstract Published in Can J of Diabetes: 37, pS245).
100. Caudle, JM, NA VanStone, A Wynn, S Biro, **T Williamson**, P Belanger, K Moore. "Trends in emergency department use in Ontario, 2003 to 2009: Correlations between determinants of health and Canadian triage acuity scores." CAEP 2013: Leadership from Sea to Sky, Vancouver, BC, June 2013 (Poster).

101. ‡Garies S, Jackson D, Barber T, Torti J, Forst B, Drummond N, Manca D, **Williamson T**. Validation and Representivity of Alberta's Primary Care EMR Data. 2013 Accelerating Primary Care Conference, Edmonton, AB.
102. ‡**Williamson T**, Affleck E, Birtwhistle R, Drummond N, Jayaraman G, Rigobon A. A Canadian Primary Care Sentinel Surveillance Network (CPCSSN) Workshop: Using Electronic Medical Record Data for Public Health Purposes. CPHA 2013 Annual Conference, Ottawa, ON.
103. †**Williamson T**, Eliasziw M, Fick G. Log-Binomial Models: Concavity and Estimation. Statistical Society of Canada Annual Conference, Edmonton, AB.
104. †**Williamson T**, Khan S, Green M, Birtwhistle RV, Wong S, Natarajan N, Manca D, Drummond N. Validating the CPCSSN Algorithms for Eight Chronic Diseases. CSEB Biennial Conference, St. John's, NL.
105. †**Williamson T**, Eliasziw M, Fick G. Failed Convergence with Log-Binomial Models. CSEB Biennial Conference, St. John's, NL.
106. Natarajan N, Van Aarsen K, Varatharasan N, Sabri S, Putnam W, **Williamson T**. Validating the Canadian Primary Care Sentinel Surveillance Network (CPCSSN) Case Detection Algorithm for Hypertension using Nova Scotia Electronic Medical Record Data. CSEB Biennial Conference, St. John's, NL.
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108. †Green M, **Williamson T**, Khan S, Birtwhistle RV, Wong S, Natarajan N, Manca D, Drummond N. Validating the CPCSSN Algorithms for Eight Chronic Diseases. Trillium Primary Health Care Research Day 2013, Toronto, ON.
109. *Rigobon A, Birtwhistle R, Biro S, Barber D, Morkem R, Roberts K, **Williamson T**. Can CPCSSN Data be used to Measure Adult Obesity in Canada? NAPCRG PBRN Conference 2013, Bethesda, MD.
110. **Williamson T**, Belanger P, Moore K, Birtwhistle R. Using Geographical Measures of Socioeconomic Status to Assess CPCSSN's Representativeness: A Pilot Study. NAPCRG PBRN Conference 2013, Bethesda, MD.
111. †Keshavjee K, Martin K, **Williamson T**, Birtwhistle RV. Using CPCSSN Data for Primary Care Research: The Art of the Possible. NAPCRG PBRN Conference 2013, Bethesda, MD.
112. Natarajan N, Van Aarsen K, Varatharasan N, Sabri S, Putnam W, **Williamson T**. Validating the Canadian Primary Care Sentinel Surveillance Network (CPCSSN) Case Detection

Algorithm for Hypertension using Nova Scotia Electronic Medical Record Data. 2013 Annual CAHSPR Conference, Vancouver, BC.

- 113.†Green M, **Williamson T**, Khan S, Birtwhistle RV, Wong S, Natarajan N, Manca D, Drummond N. Validating the CPCSSN Algorithms for Eight Chronic Diseases. 2013 Annual CAHSPR Conference, Vancouver, BC.
- 114.†Keshavjee K, Truant R, Jackson D, Martin K, **Williamson T**. Modernizing the Electronic Medical Record Infrastructure In Canada. e-Health 2013: Accelerating Change, Ottawa, ON.
- 115.Keshavjee K, Martin K, **Williamson T**, Birtwhistle RV. CPCSSN: An Architecture for Chronic Disease Surveillance in Canada. e-Health 2013: Accelerating Change, Ottawa, ON.
- 116.**Williamson T**, Bartlett-Esquillant G, Khan S, Drummond N. Why Should Practice-based Research Networks Care About Sampling? 40th Annual North American Primary Care Research Group Meeting, New Orleans, LA.
- 117.Forst B, Manca D, Duerksen K, **Williamson T**. Comparison of Practice Profiles of Academic Male and Female Physicians. 40th Annual North American Primary Care Research Group Meeting, New Orleans, LA.
- 118.Barber D, Biro S, Kotecha J, Hall-Barber K, Kinsella L, **Williamson T**. Introduction of an Integrated Intake Tool to Improve Smoking Status Risk Factor Fields in The Regional Canadian Primary Care Sentinel Surveillance Network. 40th Annual North American Primary Care Research Group Meeting, New Orleans, LA.
119. Aghoram R, Jackson D, Molnar F, Postuma RB, Jette N, Birtwhistle R, **Williamson T**, Lambert-Lanning A, Grava-Gubins I. Optimizing Case Identification in Electronic Medical Records Database. Family Medicine Forum Research Day, Toronto, ON.
120. Rosser W, **Williamson T**, Khan S, Jackson D, Kotecha J, Martin K. Practice Feedback for PBRN Physicians. North American Primary Care Research Group Practice Based Research Networks Conference, Bethesda, MD.
- 121.†**Williamson T**, Greiver M, Bennett TL, Drummond N, Khan S, Aliarzadeh B, Birtwhistle RV. A Method for Estimating Practice Denominators Using EMR Databases. North American Primary Care Research Group Practice Based Research Networks Conference, Bethesda, MD.
- 122.**Williamson T**, Khan S, Jackson D, Kotecha J, Martin K, Rosser W. Practice Feedback for PBRN Physicians. North American Primary Care Research Group Practice Based Research Networks Conference, Bethesda, MD.

- 123.*†Kadhim-Saleh A, Green M, **Williamson T**, Hunter D, Birtwhistle RV. A Validation Study of EMR Diagnostic Algorithms for Five Chronic Conditions. North American Primary Care Research Group Practice Based Research Networks Conference, Bethesda, MD.
- 124.†Birtwhistle RV, **Williamson T**, Lambert-Lanning A. PBRNs Playing Together: Lessons Learned from the Canadian Primary Care Sentinel Surveillance Network. North American Primary Care Research Group Practice Based Research Networks Conference, Bethesda, MD.
- 125.*†Kadhim-Saleh A, Green M, **Williamson T**, Hunter D, Birtwhistle RV. A Validation Study of EMR Diagnostic Algorithms for Five Chronic Conditions. Trillium Research Day, Toronto, ON.
- 126.*†Kadhim-Saleh A, Green M, **Williamson T**, Hunter D, Birtwhistle RV. A Validation Study of EMR Diagnostic Algorithms for Five Chronic Conditions. Fifteenth Annual Meeting for Health Sciences Research Trainees, Kingston, ON.
- 127.Forst B, Deurksen K, **Williamson T**, Barron G, Manca D. Comparison of Practice Profiles of Academic Male and Female Physicians (poster). 57th Annual Scientific Assembly of the Alberta College of Family Physicians, Banff, AB.
- 128.*Slaby J, **Williamson T**, Chaudhry AM, Larratt L, Turner RA, Bahlis NJ, Brown CB, Daly A, Duggan P, Geddes M, Quinlan D, Savoie ML, Shafey M, Storek J, Yue P, Zacarias N, Stewart DA, Russell JA. Evaluation of HCT-CI Comorbidity Scores and Allogeneic Transplant Outcome of Young Adults After Myeloablative Conditioning with Fludarabine and Busulfan +/- TBI Malignancies. *Biology of Blood and Marrow Transplantation*, February 2012; 18(2) supplement: S350.
- 129.*Kadhim-Saleh A, Green M, **Williamson T**, Hunter D, Birtwhistle RV. A Validation Study of Computer-based Diagnostic Algorithms for Chronic Disease Surveillance. 39th Annual North American Primary Care Research Group Meeting, Banff, AB.
- 130.Montgomery L, Doraty M, Labrie N, Fralick J, **Williamson T**, Tam H, Linton D, Drummond N. The Use of Nabilone for the Treatment of Pain in a Tertiary Chronic Pain Centre (poster). 39th Annual North American Primary Care Research Group Meeting, Banff, AB.
- 131.Seigel K, Harasym P, Bucholtz L, Drummond N, **Williamson T**, Hignell D, Doraty M. Patient Centered Care Plans: The effect of a multidisciplinary involvement on outcome in primary care. 39th Annual North American Primary Care Research Group Meeting, Banff, AB.
- 132.*Cobbler C, Kotecha J, Greiver M, Stewart M, **Williamson T**, Birtwhistle RV. By Utilizing EMR Data Can We Determine How Patients With Hypertension Are Managed in Ontario? Family Medicine Forum Research Day, Montreal, QC.

133. Sargent R, Quail P, Turner DL, Brocklebank C, Dharmawardene M, **Williamson T**, Doraty M, Tam H, Linton D, Drummond N. Pharmacist-Managed Warfarin Protocol in Longterm Care. Family Medicine Forum Research Day, Montreal, QC.
134. †Myhre DL, **Williamson T**, Sherlock K. What Is the Impact of a Faculty Advisor on Career Choice? Family Medicine Forum Research Day, Montreal, QC.
135. †Myhre DL, **Williamson T**, Pomerleau R, Connolly L, Jorgensen A. The Impact of Family and Rural Interest Groups on Medical Students: Are they working? Family Medicine Forum Research Day, Montreal, QC.
136. Boffa J, Irving AM, **Williamson T**, Jackson D, Gringas S, Drummond N. Weight Change Amongst Obese Patients on a Physician-Developed Diet Plan in Southern Alberta. Family Medicine Forum, Montreal, QC.
137. *†Hoegh-Petersen M, Sy S, Ugarte-Torres A, **Williamson T**, Mansoor A, Liu Y, Fonseca K, Khan F, Russell JA, Storek J. High herpesvirus-specific T cell counts are associated with near-zero likelihood of malignancy relapse and a low likelihood of infections due to any pathogen. ASBMT/CIBMTR Tandem Annual Meeting, Honolulu, HI.
138. *Hoegh-Petersen M, Amin M, Liu Y, Ugarte-Torres A, **Williamson T**, Podgorny PJ, Russell JA, Storek J. Anti-GVHD effect of antithymocyte globulin is mediated by antibodies binding to T cells and regulatory NK cells, and less so or not at all by antibodies binding to other mononuclear cell subsets. ASBMT/CIBMTR Tandem Annual Meeting, Honolulu, HI.
139. *Hagel LM, Liu Y, Ugarte-Torres A, Hoegh-Petersen M, **Williamson T**, Russell JA, Storek J. High IL15 serum levels on day 7 after HCT are associated with a low likelihood of GVHD and a high likelihood of infections. Keystone Symposium on Immunologic Memory and Persisting Microbes, Banff, AB.
140. *Hagel LM, Liu Y, Ugarte-Torres A, **Williamson T**, Russell JA, Storek J. High IL-15 serum levels on day 7 after hematopoietic cell transplantation are associated with a low likelihood of GVHD and a high likelihood of infections. American Society of Hematology Annual Meeting, Orlando, FL.
141. *Hoegh-Petersen M, Sy S, Ugarte-Torres A, **Williamson T**, Mansoor A, Liu Y, Fonseca K, Khan F, Russell JA, Storek J. High herpesvirus-specific T cell counts are associated with near-zero likelihood of malignancy relapse and a low likelihood of infections due to any pathogen. American Society of Hematology Annual Meeting, Orlando, FL.
142. *Hoegh-Petersen M, Amin M, Liu Y, Ugarte-Torres A, **Williamson T**, Podgorny PJ, Russell JA, Storek J. Anti-GVHD effect of antithymocyte globulin is mediated by antibodies binding to T cells and regulatory NK cells, and less so or not at all by antibodies binding to other mononuclear cell subsets. American Society of Hematology Annual Meeting, Orlando, FL.

143. Ugarte-Torres A, Liu Y, **Williamson T**, Hoegh-Petersen M, Quinlan D, Roa L, Khan FM, Russell JA, Storek J. CMV-specific immunity and CMV complications in seropositive HCT recipients depend on donor serostatus. Conference on Measurement of Antigen-Specific Responses, Mykonos, Greece.
144. Ugarte-Torres A, Liu Y, **Williamson T**, Hoegh-Petersen M, Quinlan D, Roa L, Khan F, Russell JA, Storek J. CMV-specific immunity and CMV complications in seropositive HCT recipients depend on donor serostatus. Keystone Symposium on Viral Immunity, Banff, AB.
145. Ugarte-Torres A, Liu Y, **Williamson T**, Hoegh-Petersen M, Quinlan D, Roa L, Khan F, Russell JA, Storek J: CMV-specific immunity and CMV complications in seropositive HCT recipients depend on donor serostatus. CIBMTR/ASMBT Tandem Meeting, Orlando, FL.
146. Taenzer PA, Braun TC, Clark AJ, Drummond N, Findlay CE, Montgomery L, Pereira J, Spanswick C, **Williamson T**. Physician to Physician Telephone Consultation for Chronic Pain Patients. 13th World Congress on Pain, Montreal, QC.
147. Montgomery L, Labrie N, Drummond N, **Williamson T**, Doraty M, Linton D, Tam H. Nabilone for the Treatment of Chronic Pain. 38th Annual North American Primary Care Research Group Meeting, Seattle, WA.
148. Seigel K, Babinec P, Bucholz L, Drummond N, Doraty M, **Williamson T**. Patient-centered care plans: the effect of multidisciplinary involvement on outcome in primary care. Family Medicine Forum Research Day, Vancouver, BC.
149. †Johnson D, Nettel-Aguirre A, Williamson J, Klassen T, Mitton C, Scott S, **Williamson T**, Craig W, Grimshaw J. Cluster Controlled Trial Comparing Three Methods Of Disseminating Practice Guidelines For Children With Croup. Pediatric Academic Societies Annual Meeting, Vancouver BC.
150. †BaniAdam G, Berzins S, Dickinson J, Pearce C, Ricketson L, Rivera K, **Williamson T**. Alberta Family Physicians Reactions and Willingness to Work After the Initial Phase of the pH1N1 Epidemic. 55th Annual Scientific Assembly of the Alberta College of Family Physicians, Banff, AB.
151. Dickinson JA, Forenseca K, Berzins S, Pearce C, Medd E, Ricketson L, **Williamson T**. The accuracy of sentinel network of general practitioners in diagnosing influenza during the pandemic H1N1 outbreak. 55th Annual Scientific Assembly of the Alberta College of Family Physicians, Banff, AB.
152. Thomas R, **Williamson T**. Russell ML, Lorenzetti D. Meta-analysis of RCTs of interventions to increase influenza vaccination rates among seniors (≥ 60 years) in institutions and the community. 7th Annual Canadian Cochrane Symposium, Halifax, NS.

- 153.*Francis M, Rich T, **Williamson T**, Peterson D. The Effects of an Emergency Department Sepsis Protocol on Time to Antibiotics in Severe Sepsis. Canadian Association of Emergency Physicians Annual Conference, Ottawa, ON. (Winner of the CAEP Resident Research Abstract Award)

- 154.Lu D, Soma D, **Williamson T**, Jamieson P, Drummond N. Follow up care received by patients discharged from a family medicine hospitalist program in the Calgary health region: A retrospective study. 36th Annual North American Primary Care Research Group Meeting, Puerto Rico.

- 155.†Godwin M, Duke P, **Williamson T**, Mahdavian M, Asghari S. A Comparison of Newfoundlanders Lipid Profiles with the Rest of Canada: Findings from Canadian Primary Care Sentinel Surveillance Network Data. 36th Annual North American Primary Care Research Group Meeting, Puerto Rico.