

Robin L. Walker, PhD

I. BIOGRAPHICAL DATA

Name: Robin Walker
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II. ACADEMIC RECORD

Graduate Degree

Date
Institution/City/Country
Department
Supervisor
Topic
Project

PhD Health Services Research

September 2010 to October 2015
University of Calgary, Alberta, Canada
Community Health Sciences
Dr. Hude Quan
Health Care Quality Indicators
Hospitalization for Uncomplicated Hypertension: an Ambulatory Care Sensitive Condition

Graduate Degree

Date
Institution/City/Country
Department
Supervisor
Topic
Project

MSc Epidemiology

September 2004 to January 2007
University of Calgary, Alberta, Canada
Community Health Sciences
Dr. Robert Hildsen
Cancer Prevention
Colonoscopy Screening for Colorectal Cancer: Knowledge Gaps in Primary Care

Undergraduate Degree

Date
Institution/City/Country
Topic

BSc Biological Sciences, Honors

September 1998 to April 2002
University of Guelph, Ontario, Canada
Nutrition and Nutraceutical Science

III. WORK EXPERIENCE

2019 to present **Assistant Scientific Director, Primary Health Care Integration Network (SCN), Primary Health Care, Alberta Health Services, Alberta**

2017 to present **Associate Professor (Adjunct), Department of Community Health Sciences, Cumming School of Medicine, University of Calgary**

2016 to present	Scientist, Measurement and Knowledge Integration, Applied Research and Evaluation Services, Primary Health Care, Alberta Health Services, Alberta
2015 to 2016	Research Lead, Centre for Cardiovascular Health Promotion and Disease Prevention, Libin Cardiovascular Institute of Alberta
2007 to 2014	Research Associate, Department of Community Health Sciences, University of Calgary/Public Health Agency of Canada, Calgary Alberta
2005 to 2007	Research Associate, Population Health and Information, Alberta Cancer Board, Calgary Alberta
2005 to 2007	Research Associate, Department of Clinical Neurosciences, University of Calgary, Calgary Alberta
2003 to 2004	SARS Investigation Team, Mount Sinai Hospital, University Health Network, Toronto Ontario
2002 to 2004	Research Associate, Mount Sinai Hospital, Intensive Care Unit, University Health Network, Toronto Ontario
2000 to 2004	Youth Coordinator, Oakridge Youth, Oakville Ontario

IV. AWARDS AND DISTINCTIONS

2021	Alberta College of Family Physicians Conference 1 st prize oral presentation, Alberta College of Family Physicians' 2021 Family Medicine Summit (Summit) virtual event
2014	Hypertension Canada, Canadian Hypertension Congress, Award for Outstanding Oral Presentation, \$250
2014	Canadian Hypertension Congress Trainee Travel Award, \$1000
2012 to 2016	Achievers in Medical Science Research Excellence Award, Faculty of Medicine, University of Calgary, \$3500 for 4 years
2012 to 2016	Alberta Innovates Health Solutions (AIHS) Graduate Studentship, \$30,000 salary and \$2000 research allowance for 4 years (accepted incentive award of \$12,000 salary and \$2000 research allowance for 4 years)
2012 to 2015	Vanier Canada Graduate Scholarship, Government of Canada, \$50,000 for 3 years
2012 to 2015	Fredrick Banting and Charles Best Canada Graduate Research Award, Canadian Institutes for Health Research, \$30,000 salary and \$5000 research allowance for 3 years (declined)
2012	J.B. Hyne Research Innovation Award, Faculty of Graduate Studies, University of Calgary, monetary value \$500
2011	Faculty of Graduate Studies Travel Award, University of Calgary, \$1,000
2011	Doctoral Graduate Faculty Council Scholarship, University of Calgary, \$10,000 (declined)
2011 to 2013	Izaak Walton Killam Pre-Doctoral Scholarship, Killam Trusts, \$33,000 for 2 years

2010	Achievers in Medical Science Graduate Recruitment Scholarship, Faculty of Medicine, University of Calgary, \$25,000
2010 to 2012	Health Services Research Studentship, Western Regional Training Centre, \$17,850 for 2 years
2010	ISH International Forum Poster Prize. International Society of Hypertension Forum, Vancouver, British Columbia, Distinction
2010	Fee Remission Award, University of Calgary, \$500
2005	Alberta Graduate Student Scholarship, Alberta Learning, \$2,000
2005	Presidential Poster Award, World Congress of Gastroenterology, Distinction
2005 to 2007	Epidemiology Graduate Scholarship, Alberta Cancer Board, \$20,000 for 2 years (declined)
2005 to 2007	Health Research Studentship, Alberta Heritage Foundation for Medical Research, \$20,000 for 2 years
2005	Queen Elizabeth II Graduate Scholarship, University of Calgary, \$9,300
2004	Fee Remission Award, University of Calgary, \$500
2002	Sportsmanship Award, Varsity Rowing, University of Guelph
2004	Dean's Honour List, University of Guelph
1998 to 1999	Undergraduate Entrance Scholarship, University of Guelph, \$10,000

V. OVERVIEW OF ACTIVITIES AND CONTRIBUTIONS

2016 to present	Preceptor, Graduate Administrative Data Course, Community Health Sciences, Faculty of Medicine, University of Calgary. Mentoring graduate students including guiding the research methods and design of their chosen topic, advising on analysis and statistical programming, guiding writing, etc.
2015 to 2019	Co-Chair, Hypertension Canada Outcomes Research Task Force, Hypertension Canada. Lead and collaborate with a national team of academics, clinicians and provincial/federal government to leverage and increase capacity of hypertension research in Canada.
2015 to 2018	Co-Lead, Surveillance, The Methods Hub, O'Brien Institute for Public Health. The Methods Hub is a group of dedicated health researchers who have expertise in methodology. The Methods Hub focuses on consolidating individual and collective expertise across the spectrum of both quantitative and qualitative research methods. I Co-Lead the Surveillance component and am responsible for outreach activities, and to expand and complete applied methods related to surveillance. I am also part of the Method's Hub Operational Committee.
2014 to 2017	AI-HS Graduate Mentorship Program, University of Calgary. Support graduate students in applying for AIHS awards including internal peer review of applications, giving workshops, and providing constructive and critical feedback of research proposals.
2012	Spearheaded Killam Parental Leave, University of Calgary. Worked with the Dean, Vice-Provost of Graduate Studies, and Killam Trustees to establish a scholarship parental leave. In September 2012 Killam Trustees approved a parental leave for 4 months at 100% payment.

- 2011 to present **Mentor Program, Bachelor of Health Sciences, University of Calgary.** Establish mentoring relationships with BHSc students to provide guidance, information, and to ensure the students are prepared for the realities of their profession.
- 2011 to 2015 **Graduate Leaders Circle, Vanier Mentorship Program, University of Calgary.** Invited member of the Graduate Leaders Circle, a unique student-led initiative whose mission is to develop a community of scholars to foster the development of our graduate student leaders. As part of the Vanier Mentorship Program I mentored and inspired 10 university students to reach their goals through teaching and volunteering.
- 2011 **Coordinator and Manager, International Methodology Consortium for Coded Health Information (IMECCHI).** Organized and led an international meeting in Cape Town, South Africa. Managed multidisciplinary projects with multiple stakeholders around the world.
- 2009 to 2015 **Developed Health Services Research Journal Club.** Initiated and organized 20 students/faculty at the University of Calgary to meet each month to discuss methodological issues and statistical techniques. **Impact:** Promotes learning and collaboration between local research groups.
- 2008 to 2015 **Research Development (2008-2011).** Selected by the CIHR Hypertension Chair (Dr. Norm Campbell) to help design and organize the content of the national Survey of Living with Chronic Diseases in Canada (Hypertension Module) sponsored by Public Health Agency of Canada. **Impact:** Results of this survey have been used by provincial governments and Hypertension Canada to better plan and provide health services and to refine public education campaigns. To date, four papers (1 first author at Canadian Journal of Cardiology) and 5 national presentations have resulted from this project.
- 2007 to 2014 **Canadian Hypertension Education Program, Outcomes Research Task Force Member. Impact:** Collaborated with national taskforce of 40 interdisciplinary experts. Lead the coordination and management of 5 national research groups in an effort to develop a national surveillance and evaluation program for hypertension. End knowledge-users are provincial governments, Hypertension Canada and PHAC. Inspired and deepened my passion to contribute to medical science to reduce the burden of hypertension at home and abroad.
- 2007 to 2012 **Elected Graduate Education Committee and Communications Coordinator. Impact:** Entrusted with representing and advocating for the interests of over 120 graduate students. In 2007, a universal concern among the student body included the feeling of unpreparedness for graduate work. Thus, I conceived and implemented the Graduate Mentorship Program which pairs current and new students to build confidence, and organized events to add to the student experience.

- 2007 to 2012 **Supervise/Teach Undergraduate Students** (12 students). **Impact:** All students demonstrated research skills and successfully completed their projects on time. Many have presented their work at both local and national conferences, and published in peer review journals.
- 2006 to present **Mustard Seed Volunteer, Calgary.** Serving meals to the homeless. **Impact:** Appreciation of the homeless has humbled me, and I continue to be taught by those whom I serve.
- 2010 **International Invited Guest Speaker.** World Health Organization Family of International Classifications (WHO-FIC) Network Meeting. **Impact:** Presentation responded to an important research question from the WHO regarding the impact of implementing international coding systems. Augmented my communication skills to an international and diverse audience (over 100 international delegates in audience).
- 2009 **Research Report.** Invited by Public Health Agency of Canada to co-author a chapter "High Blood Pressure, Salt and Sodium" (20 pages) in the national Tracking Heart Disease Report. **Impact:** Provided information to the multi-sectoral Sodium Reduction Taskforce and increased awareness concerning the importance of reducing dietary sodium to prevent high blood pressure.
- 2004 to 2007 **Let's Talk Science (2004-2007).** Instructor Volunteer at the University of Calgary. **Impact:** Delivered hands on workshops in biology for over 100 high school students.

VI. PROFESSIONAL MEMBERSHIP AND SERVICE

- 2020 to present Steering Committee, Integrative Supportive Care Research Grant
- 2018 to present Reviewer and Member, International Population Data Linkage Conference
- 2016 to present P² Research Member, Libin Cardiovascular Institute of Alberta, University of Calgary
- 2016 to present Reviewer, Canadian Medical Association Journal (CMAJ)
- 2015 to present Research Policy and Operations Committees, Hypertension Canada
- 2015 to present Reviewer, Canadian Journal of Cardiology
- 2010 to present Member and Volunteer, Hypertension Canada
- 2010 to 2017 Member, Peer Review Club for Open Medicine Journal, University of Calgary
- 2015 to 2017 Operations Committee, The Method's Hub, O'Brien Institute of Public Health, University of Calgary
- 2010 to 2012 Graduate Education Committee, Department of Community Health Sciences, University of Calgary
- 2010 to 2012 Member, Community Health Sciences Student Executive
- 2010 to 2012 Communications Co-ordinator, Department of Community Health Sciences, University of Calgary
- 2010 to 2013 Coordinator and Member, International Methodology Consortium for Health Coded Information
- 2007 to 2013 Editorial Member, Public Health Agency of Canada Cardiovascular Advisory Committee

2007 to present	Member, Canadian Hypertension Education Program Outcomes Research Task Force
2007 to present	Member, Canadian Association of Health Services and Policy Research
2005 to 2007	Member, Canadian Society for Epidemiology and Biostatistics
2004 to 2006	Member, American Gastroenterological Association
2004 to 2006	Member, Canadian Association of Gastroenterology

VII. Teaching and Research Supervision

Graduate Education

2020/21	Supervisor , Community Health Sciences Internship, MSc Community Health Sciences, Student: Sara Ortstein. Primary Health Care Integration Network. Project: Unintended consequences of the pandemic on non-COVID patients in primary care.
2020/21	Supervisor , Community Health Sciences Internship, PhD Candidate in Community Health Sciences, Student: Adrijana D'Silva. Primary Health Care Integration Network. Project: A Disease-Including Pathway for Transitions in Care (ADAPT): Alberta Collaborative Pathway for Patients with Complex Chronic Diseases.
2019/20	Sessional Instructor, DATA623 Big Data in Health , Data Science Certificate, Centre for Health Informatics, Cumming School of Medicine, University of Calgary. Developed all course material.
2018 to 2020	Co-Supervisor , MSc in Community Health Sciences, Cumming School of Medicine, University of Calgary. Student: Yuanchao Feng. Project: Personalized cardiovascular diseases risk prediction among patients with hypertension using administrative health data
2018 to 2020	Committee Member , MSc in Community Health Sciences, Cumming School of Medicine, University of Calgary. Student: Lucia Varela. Project: Development of a Tool for Assessing Data Quality in the International Hospital Discharge Abstract Database
2016 to present	Preceptor , Administrative Data Course, Community Health Sciences, Cumming School of Medicine, University of Calgary. Mentoring graduate students including guiding the research methods and design of their chosen topic, advising on analysis and statistical programming, guiding writing, etc.
2015	Mentor , PhD in Community Health Sciences, Cumming School of Medicine, University of Calgary. Student: Yuan Xu. Project: Developing and Validating Extraction Method for Liver Disease Related Variables using Chinese Electronic Medical Records.
2014 to 2016	Mentor , MSc in Community Health Sciences, Cumming School of Medicine, University of Calgary. Student: Peter Rymkiewicz. Project: Effects of Longitudinal Changes in Charlson Comorbidity on Prognostic Survival Model Performance Among Newly Diagnosed Patients with Hypertension.

- 2014 **Teaching Assistant**, MDCH 581 Health Research Methods, Community Health Sciences, Cumming School of Medicine, University of Calgary.
- 2012 **Teaching Assistant**, MDCH 664 Administrative Data Analysis Methodology, Community Health Sciences, Cumming School of Medicine, University of Calgary.

Undergraduate Education

- 2015 Sylvia Hao, Bachelor of Health Sciences student (University of Calgary) Topic: Systematic Review of ICD Validation for Hypertension and Stroke
- 2015 Sophia Sun, Bachelor of Health Sciences student (University of Calgary) Topic: Systematic Review of ICD Validation for Hypertension and Stroke
- 2015 Brendan Lethebe, Bachelor of Health Sciences student (University of Calgary) Topic: Systematic Review of ICD Validation for Hypertension and Stroke
- 2015 Tina Guo, Bachelor of Health Sciences student (University of Calgary) Topic: Systematic Review of ICD Validation for Hypertension and Stroke
- 2011 Jason Jiang, Degree in Economics (University of Calgary) Topic: The effect of prayer on health outcomes: A systematic literature review (co-supervisor with Dr. Cindy A. Beck)
- 2011 Emily Schorr, Psychology student (Queens University) Topic: Exploratory Scoping Review: Length-of-Stay determinants model and framework (co-supervisor with Dr. Hude Quan)
- 2010 Amy Cheng, Nursing student (Mount Royal College) Topic: Assessment of Hypertension Knowledge among Chinese, Indian, and Caucasians in Calgary, Alberta (co-supervisor with Dr. Hude Quan)
- 2010 Katie Lin, Biology student (Queen's University) Topic: Assessment of Hypertension Knowledge among Chinese, Indian, and Caucasians in Calgary, Alberta (co-supervisor with Dr. Hude Quan)
- 2010 Muhammad Riaz, Health Sciences student (University of Calgary). Topic: Assessment of Hypertension Knowledge among Chinese, Indian, and Caucasians in Calgary, Alberta (co-supervisor with Dr. Hude Quan)
- 2008-2010 Lindsay Sykes, Nursing student (University of Calgary) funded by Alberta Innovates Health Solutions studentship (Jul-Aug 2010). Topic: Assessment of Hypertension Knowledge among Chinese, Indian, and Caucasians in Calgary, Alberta (co-supervisor with Dr. Hude Quan)
- 2008-2010 Samuel Quan, Bachelor of Health Sciences student

VIII. RESEARCH SUPPORT

1. Davison S (NPA), Seidel J (PA), **Walker R** (Co-Investigator), Cunningham C, Skrypnek R, Cook C, Ezekowitz J, Green L, Round J, Faris P, Howlett J, Lang E, Sikora C, Simon J, Tan A, Sinnarajah A, Slocombe L, Stewart D, Stickland M, Tandon P, Valaire S, Cujec B, Cullum J, Darda R, Eastwood C, Grinman M, Hanson H, Norris C Oudit G, Spady M, Sikora C, Walker G, Morrin L, Robson P, Shahid R. A Disease-Inclusive Pathway for Transitions in Care (ADAPT): Alberta Collaborative Pathway for Patients with Complex Chronic Diseases. Partnership for Research and Innovation in the Health System (PRIHS), March 2020 -2023 (\$1,190,942).

2. Davison S, Bahler B, Kaplin G, Verdin N, Wasylak T, Tandon P, Sinnarajah A, Simon J, Green L, Faris P, Watson L, Round J, Ezekowit J, Strickland M, Howlett J, Bakal J, Seidel JE, **Walker RL** (Collaborator), Cunningham C, Skrypnek R, et al. Implementation and evaluation of an innovative integrated conservative (non-dialysis) kidney management (CKM) pathway by primary care across Alberta. CIHR Rewarding Success SPOR ICT Trial – Phase 3. May 2019- April 2022 (\$4.8 million).
3. Vik R, Weaver C, Cunningham C, **Walker R**, Seidel J. International Pharmacosurveillance Study to Evaluate Comparative Safety of Opioids for Non-Malignant Pain and Alberta Provincial Sub-study to Evaluate Comparative Safety of Opioid Dependence Therapy. Collaborative study with Dr. R Tamlyn, McGill University. 2018 - present.
4. Canadian Institute of Health Research, Catalyst Grant, The gender differences in vascular risk factors, early cognitive impairment and progression to dementia. PI: Dr. Guanmin Chen. Co-PIs: **Dr. Robin Walker**, Dr. Hude Quan, Dr. Vladimir Hachinski. 2016/2017 (\$69,856).
5. University of Calgary, Clinical Research Fund Seed Grant, Developing a Vascular Risk Factor Surveillance System: Exploring the ‘Big Data’. PI: Dr. Guanmin Chen. Co-PIs: **Dr. Robin Walker**, Dr. Hude Quan, Dr. Tolulope Sajobi. 2016 (\$27,000)
6. University of Calgary Cumming School of Medicine Bridge Funding, Ambulatory care sensitive conditions identified in hospital data: Which admissions are deemed avoidable? PI: Dr. Hude Quan. Co-PIs: **Robin Walker**, Dr. William Ghali, Dr. Nathalie Jette, Dr. Alan Forster, Dr. Elijah Dixon, Dr. Sonia Butalia, Dr. Doreen Rabi, Dr. Kathryn King-Shier. (*Funding for Robin’s PhD dissertation*). 2014 (\$31,000).

IX. PUBLICATIONS (trainees are underlined)

Overview:

- 35 published refereed papers (9 first author)
- 2 submitted refereed papers
- 5 peer reviewed published report
- 4 peer reviewed published abstracts
- 27 academic conference presentations (national and international meetings)
- 8 seminar presentations

Published Refereed Papers (n=35) – students underlined

1. Cook LL, Golonka R, Cook CM, **Walker RL**, Faris P, Spenceley S, Lewanczuk R, Wedel R, Love R, Andres C, Byers S, Collins T, Oddie S. Association between continuity and access: A retrospective multilevel cohort study in primary care. *CMAJ Open* 2020;8(4):E722-E730. DOI: 10.9778/cmajo.20200014
2. Adhikari K, Qureshi H, Metcalfe A, **Walker RL**, Cunningham CT, McBrien K, Ronksley P. Association between Primary Health Care Access and Acute Care Utilization for Hypertension: A Systematic Review. *Prim Health Care* 2019;9(1):319. DOI: 10.4172/2167-1079.1000319
3. Vik S, Weaver C, Cunningham C, **Walker R**, Lewanczuk R, Bahler F, Skrypnek R, Smekel M, Winfield L, Seidel J. Associations between family practice continuity and acute care utilization in Alberta. *Healthcare Quarterly* 2019;22(2):32-38.
4. **Walker RL**, Ghali WA, Chen G, Khalsa TK, Mangat BK, Campbell NRC, Dixon E, Rabi D, Jette N, Dhanoa R, Quan H. ACSC Indicator: testing reliability for hypertension. *BMC Medical Information and Decision Making*. 2017;17(1):90. doi: 10.1186/s12911-017-0487-4

5. [Xu Y](#), Li N, Lu M, Myers RP, Dixon E, **Walker R**, Sun L, Xhao X, Quan H. Developing and Validating Extraction Method for Liver Disease Related Variables using Chinese Electronic Medical Records. *BMC Medical Informatics and Decision Making* 2016;16:110. doi: 10.1186/s12911-016-0348-6
6. [Rymkiewicz P](#), Ravani P, Hemmelgarn B, Southern D, McAlister FA, **Walker R**, Chen G, Quan Q. Effects of Longitudinal Changes in Charlson Comorbidity on Prognostic Survival Model Performance Among Newly Diagnosed Patients with Hypertension. *BMC Health Services Research* 2016;16(1):671.
7. **Walker RL**, Chen G, McAlister FA, Campbell NR, Hemmelgarn BR, Dixon E, Ghali W, Rabi D, Tu K, Jette N, Quan H; Hypertension Outcome and Surveillance Team. Relationship between primary care physician visits and hospital/emergency use for uncomplicated hypertension, an ambulatory care sensitive condition. *Canadian Journal of Cardiology* 2014; 30(12):1640-1648. [doi:10.1016/j.cjca.2014.09.035](https://doi.org/10.1016/j.cjca.2014.09.035)
8. Quan H, Moskal L, Forster AJ, Brien S, **Walker R**, Romano PS, Sundararajan V, Burnand B, Henriksson G, Steinum O, Droessler S, Pincus HA, Ghali WA. International Variation in the Definition of 'Main Condition' in ICD Coded Health Data. *International Journal for Quality in Health Care* 2014; 26(5):511-5.
9. **Walker RL**, Chen G, McAlister FA, Campbell NR, Hemmelgarn BR, Dixon E, Ghali W, Rabi D, Tu K, Jette N, Quan H; Hypertension Outcome and Surveillance Team. Hospitalization for uncomplicated hypertension: an ambulatory care sensitive condition. *Canadian Journal of Cardiology* 2013; 29(11):1462-9. doi: 10.1016/j.cjca.2013.05.002. Epub 2013 Aug 2.
10. Bienek A, Gee E, Nolan RP, Kaczorowski J, Campbell, NRC, Bancej, C, Gwadry-Sridhar F, Robitaille C, **Walker RL**, Dai S. Methodology of the 2009 Survey on Living with Chronic Diseases in Canada – hypertension component. *Chronic Diseases and Injuries in Canada* 2013; 33(4).
11. Quan H, Chen C, Tu K, Bartlett G, Butt DA, Campbell NRC, Hemmelgarn BR, Hill MD, Johansen H, Khan N, Lix LM, Smith M, Svenson L, **Walker RL**, Wielgosz A, McAlister FA for Hypertension Outcome and Surveillance Team. Outcomes among 3.5 million newly diagnosed hypertensive Canadians. *Canadian Journal of Cardiology* 2013, 29(5):592-7. *Featured at World Health Day (April 7, 2013)*
12. Quan H, Chen G, **Walker RL**, Wielgosz A, Dai S, Tu K, Campbell NRC, Hemmelgarn BR, Hill MD, Johansen H, McAlister FA, Khan N for Hypertension Outcome and Surveillance Team. Incidence, cardiovascular complications and mortality of hypertension by sex and ethnicity. *Heart* 2013;99:715-721.
13. [Gee M](#), Campbell N, Gwadry-Sridhar F, Nolan RP, Kaczorowski J, Bienek A, Robitaille C, Joffres M, **Walker RL** for the Outcomes Research Task Force of the Canadian Hypertension Education Program Antihypertensive medication use, adherence, stops and starts in Canadians with hypertension. *Canadian Journal of Cardiology* 2012; 28(3):383-9.
14. **Walker RL**, Hennessy DA, Sambell C, Johansen H, Quan H. Implementation of ICD-10 in Canada: Has it affected coded hospital discharge data? *BMC Health Services Research* 2012, 12:149. DOI: 10.1186/1472-6963-12-149
15. Lix LM, **Walker RL**, Quan H, Nesdole R, Yang J, Chen G & CHEP ORTF Hypertension Outcomes and Surveillance Team. Features of physician services databases in Canada. *Chronic Diseases and Injuries in Canada* 2012; 32(4):186-93.
16. Robitaille C, Dai S, Waters C, Loukin L, Bancej C, [Quach S](#), Ellison J, Campbell N, Tu K, Reimer K, **Walker R**, Smith M, Blais C, Quan H. Diagnosed hypertension in Canada: incidence, prevalence and associated mortality. *Canadian Medical Association Journal* 2012;184(1):E49-56.
17. Gee ME, Campbell NRC, Bancej MB, Robitaille C, Bienek A, Joffres M, **Walker RL**, Kaczorowski J, Dai S. Perception of uncontrolled blood pressure and behaviours to improve blood pressure: findings from the 2009 Survey on Living with Chronic Diseases in Canada. *Journal of Human Hypertension* 2011;26:188-95.

18. **Walker RL**, Chen G, Campbell NRC, McAlister FA, Quan H, Tu K et al. Canadian provincial trends in antihypertensive drug prescriptions between 1996 and 2006. *Canadian Journal of Cardiology* 2011 Jul;27(4):461-7.
19. **Walker RL**, Gee ME, Bancj C, Nolan R, Kaczoroski J, Joffres J, Gwady-Sridhar F, Campbell N. Health Behaviour Advice from Health Professionals to Canadian Adults with Hypertension. *Canadian Journal of Cardiology* 2011 Jul;27(4):446-54. .
20. Roberts C, Ford J, Algert C, Antonsen S, Chalmers J, Cnattingius S, Gokhale M, Ketelchuck M, Melve K, Langridge A, Morris C, Morris J, Nassar N, Norman J, Norrie J, Sorensen T, **Walker RL**, Weir C. Population-based trends in pregnancy hypertension and preeclampsia – an international comparison study. *British Medical Journal Open* 2011;1:e000101. Doi:10.1136
21. McAlister FA, Wilkins K, Joffres M, Lennen FHH, Fodor G, Gee M, Tremblay MS, **Walker RL**, Johansen H, Campbell N. Changes in hypertension awareness, treatment, and control rates in Canada over the past two decades. *Canadian Medical Association Journal* 2011;183(9):1007-1013.
22. Chen G, McAlister FA, **Walker RL**, Hemmelgarn BR, Campbell RC. Cardiovascular outcomes among individuals with diabetes: insights from the Framingham study on the importance of blood pressure. *Hypertension* 2011;57;891-897.
23. Sykes L, **Walker RL**, Ngwakongnwi E, Quan H. A systematic literature review on response rates across racial and ethnic populations. *Canadian Journal of Public Health* 2010; 101(3):213-219.
24. Chen G, Khan N, **Walker RL**, Quan H. Validating a coding algorithm for diabetes mellitus using administrative data. *Diabetes Research and Clinical Practice* 2010; doi:10.1016/j.diabres.2010.03.007
25. Omar Allu S, Bellerive J, **Walker RL**, Campbell NRC. Hypertension: Are you and your patients up to date? *Canadian Journal of Cardiology* 2010;26(5):261-264.
26. Bancej CM, Campbell NRC, McKay DW, Nichol M, **Walker RL**, Kaczorowski J. Home blood pressure monitoring among Canadian adults with hypertension. Results from the 2009 Survey on Living with Chronic Disease in Canada. *Canadian Journal of Cardiology* 2010;26(5):e152-e157.
27. Klarenbach SW, McAlister FA, Johansen H, Tu K, Hazel M, **Walker R**, Zarnke KB, Campbell NRC. Identification of factors driving differences in cost-effectiveness of first line pharmacologic therapy for uncomplicated hypertension. *Canadian Journal of Cardiology* 2010; 26(5):3158-e163.
28. **Walker RL**, Sykes L, Hemmelgarn BR, Quan H. Authors opinions on publication in relation to annual performance assessment. *BMC Medical Education* 2010;10:21.
29. Campbell NRC, Brant R, Johansen H, **Walker RL**, Wielgosz A, Onysko J et al. Increases in antihypertensive prescriptions and reductions in cardiovascular events in Canada. *Hypertension* 2009;52(2):105-107.
30. **Walker RL**, Hemmelgarn BR, Quan H. Incidence of gestational hypertension in the Calgary Health Region from 1995 to 2004. *Canadian Journal of Cardiology* 2009;25(8):e284-286.
31. Chen G, Faris P, Hemmelgarn BR, **Walker RL**, Quan H. Measuring agreement of administrative data with chart data using prevalence unadjusted and adjusted kappa. *BMC Medical Research Methodology* 2009;9:5.
32. Hader WJ, **Walker RL**, Myles ST, Hamilton M. Complications of endoscopic third ventriculostomy in previously shunted patients. *Neurosurgery* 2008;63(Suppl 1):168-174.a .
33. Hemmelgarn BR, Chen G, **Walker RL**, McAlister FA, Quan H, Tu K et al. Trends in antihypertensive drug prescriptions and physician visits in Canada between 1996 and 2006. *Canadian Journal of Cardiology* 2008;24:507-512.
34. **Walker RL**, Hilsden RJ. Dietary Supplements in the US: pitfalls and safety. *Nature Clinical Practice of Gastroenterology and Hepatology* 2006;3(2):60-61.
35. Martinez Motta CJ, **Walker RL**, Stewart TE, Granton J, Abrahamson S, Lapinsky S. Critical care procedure-logging using handheld computers. *Critical Care Medicine* 2004;8(5):336-342.

Submitted Refereed Papers (n=2)

1. **Walker RL**, Hastings S, Cook C, Cunningham C, Cook L, Cullum J, Seidel J, Hagens J, Oddie S. Integrating Care from Home to Hospital to Home: Using Participatory Design to Develop a Provincial Transitions in Care Guideline. Submitted: International Journal of Integrated Care, December 2020.
2. Nijjar APK, **Walker RL**, Khan NA, Kaul P, McAlister FA, Ezekowitz JA, Quan H. Evaluation of congestive heart failure: Is it a true ambulatory care sensitive condition? Submitted: Canadian Family Physician March 2020.

Published and Applied Research Reports (n=5)

1. Cunningham C, Cook C, Cook L, Modayil M, Patel A, Gonlonka R, Seidel J, Hastings S, **Walker R** (acknowledged). Impact of Virtual Visits in Primary Care Extended Review, Strategic Clinical Network, Primary Health Care Integration Network, Alberta Health Services, 2020.
2. **Walker RL**, Cunningham C, Cook L, Cook C, Oddie S, Seidel J. Provincial Home to Hospital to Home Transitions Guideline. Primary Health Care Integration Network, Alberta Health Services, 2020.
3. **Walker RL**, Cunningham C, Cook L, Cook C, Oddie S, Seidel J. Home to Hospital to Home Strategic and System Measures. Primary Health Care Integration Network, Alberta Health Services, 2020.
4. **Walker RL**, Campbell NC. High Blood Pressure, Salt and Sodium. Tracking Health Disease and Stroke in Canada, Public Health Agency of Canada, 2009.
5. **Editorial Board Member**. Report from the Canadian Chronic Disease Surveillance System: Hypertension in Canada, 2010.

Published Abstracts (n=4)

1. **Walker RL**, Hilsden RJ, McGregor SE, Verhoef MJ. Post-colonoscopy screening for colorectal cancer: knowledge and understanding. Can J Gastroenterol 2007;21(Suppl A):128A.
2. **Walker RL**, McGregor SE, Hilsden RJ, Currie G, Heitman SJ, Irving AM, Bergman J, Sadowski D. Current colorectal cancer screening practices and test recommendations of primary care physicians. Can J Gastroenterol 2007;21(Suppl A):128A.
3. **Walker RL**, McGregor SE, Hilsden RJ, Currie G, Heitman SJ, Irving AM, Bergman J, Sadowski D. Promoting colorectal cancer screening among those who have never been screened. Can J Gastroenterol 2007;21(Suppl A):129A.
4. **Walker RL**, Hilsden RJ, Heitman SJ, Khoja SR, Currie GR, Kromm SK. Virtual colonoscopy: what factors influence preferences for this emerging test? Canadian Journal of Gastroenterology 2006;20(Suppl A):95A.

Conference Invited Presentation/Speaker (n=27)

1. Cook L, Cook C, **Walker RL**, Seidel J, Faris P, et al. Is Continuity is King, Access is Queen. Alberta College of Family Physicians' (ACFP) 2021 Family Medicine Summit (Summit) virtual event. March 2021. Oral presentation.
2. Varela LO, **Walker RL**, Southern D, Eastwood C, Quan H. Developing International Data Quality Indicators for Hospital Morbidity Database. World Health Organization, Family of International Classifications Network Annual, Virtual, September 2020. Oral presentation.
3. Seeger TA, Larter L, Gohil S, Lee S, **Walker RL**, Ferber R. Applying KMLShape Clustering to Runner's Heart Rate Data in R. Oral Presentation, Calgary R Conference, May 2020 (postponed).
4. Cunningham CT, **Walker RL**, Cook C, Cook L, Cullum J, Jennings J, Seidel J, Schellenberg J, Skrypnek R, Oddie S. Integrating Care from Home to Hospital to Home: Development of Provincial Transition in

- Care Guidelines in Alberta, Canada. 20th ICIC International conference on Integrated Care. Sibenik, Croatia, April 27-29, 2020. Oral presentation.
5. Montesanti S, Quon J, Cunningham C, **Walker RL**, Seidel J. Identifying the Factors Contributing to Improved Transitions in Care and Patient Outcomes. Oral Presentation, Canadian Association of Health Services Policy and Research, Halifax Nova Scotia, May 2019.
 6. **Walker, RL**. Association between Primary Health Care Access and Acute Care Utilization for Hypertension: A Systematic Review. Oral presentation, Canadian Association for Health Services and Policy Research, Montreal Quebec, May 2018.
 7. **Walker, RL**. Low-density lipoprotein cholesterol (LDL-C) Surveillance and Patient Outcomes in Alberta. Poster presentation, Western Canadian Universities Bid Data Health Conference, Banff Alberta, June 2017.
 8. **Walker, RL**. ACSC indicator: Testing reliability for uncomplicated hypertension. Oral presentation, Hypertension Canada Congress, Toronto ON, October 2015.
 9. **Walker RL**. The relationship between primary care physician utilization and hospitalizations for uncomplicated hypertension, an ambulatory care sensitive condition. Oral presentation; Canadian Hypertension Congress, Gatineau QU, October 2014.
 10. **Walker RL**, Quan, H. Outpatient Care for those Hospitalized for Uncomplicated Hypertension. Oral Presentation; International Health Data Linkage Conference, April 2014.
 11. **Walker RL**, Quan H. Natural history and outcomes of hypertension among Canadian population. Oral presentation; Canadian Association for Health Services and Policy Research, Montreal Quebec, May 2012.
 12. **Walker RL**. Ambulatory care sensitive conditions identified in hospital discharge data: Which admissions are deemed avoidable? Oral presentation, International Methodology Consortium for Coded Health Information (IMECCHI) Conference, Cape Town South Africa, October 2011.
 13. **Walker RL**. Canadian and Australian population-based trends in pregnancy hypertension and preeclampsia, Poster presentation, World Health Organization Family of International Classifications Conference, Cape Town South Africa, October 2011.
 14. **Walker RL**. Canadian and Australian population-based trends in pregnancy hypertension and preeclampsia, Oral Presentation, Canadian Association for Health Services and Policy Research, May 2011.
 15. **Walker RL**, Lix L, Quan H, Chen G, Nosdole R. Features of Physician Billing Claims Data in Canada. Poster presentation, Canadian Association for Health Services and Policy Research, May 2011.
 16. **Walker RL**, Lix L, Quan H, Chen G, Nosdole R. Physician administrative data in Canada: description of major features for research and surveillance. Poster presentation, World Health Organization Family of International Classifications Conference, October 2010.
 17. **Walker RL**, Hennessy DA, Sambell C, Quan H, Johansen H. Does Implementation of ICD-10 in Canada have an impact of coded hospital discharge data? Poster presentation, World Health Organization Family of International Classifications Conference, October 2010.
 18. **Walker RL**. Implementation of ICD10 in Canada. Does it have an impact on coded Hospital Discharge Data? Oral presentation, World Health Organization Family of International Classifications Meeting, October 2010.
 19. **Walker RL**. Canadian Health Care System Indicators. Oral presentation, International Methodology Consortium for Coded Health Information Conference, October 2010.
 20. **Walker RL**, Sambell C, Hennessy DA, Quan H, Johansen H. Does Implementation of ICD-10 in Canada have an impact of coded hospital discharge data? Poster presentation, Canadian Association for Health Services and Policy Research Conference, May 2010.
 21. **Walker RL**. Overview of the Canadian Hypertension Education Program Outcomes Research Task Force, 2009. Oral presentation, Canadian Cardiovascular Congress, Oct 2009.

22. **Walker RL**, Bienek A, Campbell N. Methodology of the Survey of Living with Chronic Disease in Canada, Hypertension Compoment. Oral presentation, Canadian Cardiovascular Congress, Oct 2008.
23. **Walker RL**, McGregor SE, Hilsden RJ. Missed Opportunities for Colorectal Cancer Screening in Primary Care. Poster Presentation, Canadian Society for Epidemiology and Biostatistics Conference, May 2007.
24. **Walker RL**, Hilsden RJ, McGregor SE, Verhoef MJ. Colonoscopy screening for colorectal cancer: knowledge gaps. Poster Presentation, American Society for Preventive Oncology, Houston USA, March 2007.
25. **Walker RL**, Hilsden RJ, McGregor SE, Verhoef M. Post-colorectal cancer screening: knowledge and understanding. Can J Gastroenterol 21(Suppl A): 128A, 2007. Poster Presentation, Canadian Digestive Disease Week, Banff AB, Feb 2007.
26. **Walker RL**, Rezaie A, Hilsden R, McGregor SE. Colorectal cancer screening test preferences: Do desired test attributes match reality? Poster presentation, World Congress of Gastroenterology, Montreal QC, Sept 2005.
27. **Walker RL**, Burry LD, Jani J, , Deguzman C, James J, Hallett D et al. Comparison of insulin physician written sliding scales versus dynamic insulin scales to attain euglycemia in critically ill patients – DINE Trial. Poster presentation, 100th American Thoracic Society Annual Meeting, Orlando Florida, USA March 2004.

Seminar Presentation (n=10)

1. **Walker RL**. Electronic Medical Records in Primary Health Care. Oral Presentatios, Data Science Program, Big Data in Health, Cumming School of Medicine, February 2021.
2. **Walker RL**. Primary Health Care Data. Oral Presentation, Data Science Program, Big Data in Health, Cumming School of Medicine, April 2020.
3. **Walker RL**. Developing a Vascular Risk Factor Surveillance Platform. Oral Presentation, Methods Hub O'Brien Institute for Public Health, March 2016.
4. **Walker RL**. Ambulatory Care Sensitive Conditions: Assessing Primary Care. Oral Presentation, Applied Research and Evaluation Services Primary Health Care Meeting, Alberta Health Services, February 2016.
5. **Walker RL**. Managing Quantitative Datasets. MDCH 681 Health Research Methods Graduate Lecture. Oral Presentation, Feb 2015.
6. **Walker RL**. Graduate Scholarship Applications: Tips for Success. Oral Presentation, Community Health Sciences Student Seminar, Nov 2012.
7. **Walker RL**. Scoping Reviews: An overview of a methodology. Oral Presentation, Community Health Sciences Student Seminar, Jan 2012.
8. **Walker RL**. Hypertension Surveillance using Administrative Data. Oral Presentation, Methodology Club Seminar, Department of Community Health Sciences, Nov 2009.
9. **Walker RL**. Colonoscopy Screening for Colorectal Cancer: Knowledge Gaps. Oral Presentation, Department of Internal Medicine, GI Physician Grand Rounds, Jan 2007.
10. **Walker RL**. Colonoscopy Screening for Colorectal Cancer: Knowledge Gaps. Oral Presentation, Department of Community Health Sciences Student Seminar, Nov 2006.

X. CERTIFICATES AND PROFESSIONAL DEVELOPMENT

1. Emotionally Effective Leader, 2 day workshop, 2021
2. Persuasion & Influence, 2 day workshop, 2021
3. Powerful Coaching Conversations, 2 day workshop, 2021
4. Constructive Conversations for Leaders, 2 day workshop, 2020

5. Leading Teams, 2 day workshop, 2020
6. Leaders Guide to Emotional Intelligence, 2019
7. Indigenous Awareness and Sensitivity Certificate, 2018
8. Ethics Governance Documentation Certificate, 2018
9. Alberta Health Secure-Collect It Protect It Certificate, 2018
10. Code Red Certificate, 2018
11. Ethics and Compliance Code of Conduct, 2016

XI. MEDIA COVERAGE

1. <https://libininstitute.wordpress.com/2013/04/05/trainee-spotlight-phd-student-robin-walker-vanier-scholarship-awardee/>
2. <http://medicine.ucalgary.ca/walkervanierscholarship>
3. <http://libin.ucalgary.ca/node/1355>
4. <http://www.ucalgary.ca/news/utoday/july4-2012/vanier-scholarships>
5. http://www.vanier.gc.ca/eng/scholar_search-chercheur_recherche_2012.html
6. <http://ucalgary.ca/communityhealthsciences/news/aims-research-excellence-award-winners>

XII. REFERENCES

Upon Request