

# PAUL E RONKSLEY, PhD

## I. Biographical Data

Work Address: Health Science Center - Room G239  
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Present Rank: Assistant Professor  
Department: Community Health Sciences  
Faculty: Cumming School of Medicine  
Institution: University of Calgary

## II. Academic Record

Final Degree: Doctor of Philosophy (PhD)  
Date Completed: February, 2013  
Specialty: Epidemiology  
Institution: University of Calgary, Alberta, Canada

Post-doctoral Fellowship (2013-2014)  
- Specialization: Epidemiology  
- Department of Clinical Epidemiology, Ottawa Hospital Research Institute (OHRI)

PhD (2008-2013)  
- Specialization: Epidemiology  
- Department of Community Health Sciences, University of Calgary  
- Thesis: Unmet Health Care Needs and Adverse Outcomes for Patients with Chronic Disease (<http://theses.ucalgary.ca/handle/11023/565>)

MSc (2006-2008)  
- Specialization: Epidemiology  
- Department of Community Health Sciences, University of Calgary  
- Thesis: Association between Severity of Obstructive Sleep Apnea and Health Care Utilization (<https://dspace.ucalgary.ca/handle/1880/46779>)

BSc (1997-2001)  
- Specialization: Biological Sciences (minor: Psychology), University of Calgary

### **III. Awards and Distinctions**

- 2013 - Canadian Institutes of Health Research (CIHR) (\$100,000 – 2 year tenure)  
Postdoctoral Fellowship Award  
Supplementary Bisby Fellowship Prize for Highest Ranked Applicant
- 2012 – Dean’s Publication and Mentorship Prize (\$10,000)  
Faculty of Medicine, University of Calgary
- 2012 – Canadian Institutes of Health Research (CIHR) - Travel Award - Institute Community Support Winter 2012 Competition – (\$1,500 Award declined)
- 2011 - Faculty of Graduate Studies Travel Award (\$1,000)  
Department of Graduate Studies, University of Calgary
- 2011 - Prairie Regional Research Data Centre Student Incentive Grant (\$2,000)  
Statistics Canada, Ottawa, ON
- 2010 - Canadian Institutes of Health Research (CIHR) (\$105,000 – 3 year tenure)  
Frederick Banting and Charles Best Canada Graduate Scholarship – Doctoral Award
- 2009 - Queen Elizabeth II Doctoral Graduate Scholarship (\$15,000)  
Department of Graduate Studies, University of Calgary
- 2008 - Achievers in Medical Science Graduate Scholarship (\$25,000)  
Department of Community Health Sciences, University of Calgary  
Awarded for academic excellence.
- 2008 - Alberta Learning Scholarship for Academic Excellence (\$2,000)  
Department of Community Health Sciences, University of Calgary
- 2006 - Graduate Student Fee Remission Award – University of Calgary (\$500)

### **IV: Academic Appointments**

- October 2014 – Present:  
- Assistant Professor – Department of Community Health Sciences  
Cumming School of Medicine, University of Calgary

### **V: Teaching Experience / Educational Activities**

- September 2015 – Present: Course Coordinator (MDCH 741)  
- Course instructor and coordinator (with Dr. Matthew James) for Systematic Reviews and Meta-analysis – Fall semester

### MSc Supervision:

October 2014 – September 2015: Co-supervisor

- Lauren Galbraith – MSc Student – Department of Community Health Sciences
- Thesis title: Identifying Chronic Kidney Disease in the Community: The See Kidney Disease (SeeKD) Targeted Screening Program  
(<http://theses.ucalgary.ca//handle/11023/2558>)

June 2014 – February 2016: Thesis Advisory Committee Member

- Dr. Daniel Kobewka – MSc Student – Clinical Epidemiology Program
- Thesis title: Systematic Analysis of Deaths at the Ottawa Hospital

### PhD Supervision:

July 2015 – Present: Committee Member

- Jenine Leal – PhD Student – Department of Community Health Sciences
- Cost Effectiveness of a Primary Prevention Strategy for *C. difficile* using an Oral Probiotic in all Hospitalized Patients.

April 2016 – Present: Committee Member

- Guosong Wu – PhD Student – Department of Community Health Sciences
- The Development of Patient Safety Indicators for Critically Ill Patients Admitted to the Intensive Care Unit.

### Research Preceptor:

- Dr Sunita Mulpuru / Jennifer McKay (2013-2015) – Ottawa Hospital Research Institute
- Dr Meghan Elliott (2012) – University of Calgary
- Dr Dave Campbell (2011) – University of Calgary
- Toni Mottershead / Marni Armstrong (2010) – University of Calgary

### Graduate Teaching Experience:

Sept 2011 – Dec 2012: Graduate Teaching Assistant

MDCH 741: Systematic Reviews and Meta-analysis – Department of Community Health Sciences, University of Calgary

## **VI. Professional Activities**

2015 – November: Department of Community Health Sciences - CIHR Masters Award – Peer Reviewer and Advisor

2015 – Present: O'Brien Institute for Public Health (OIPH) – Internal Peer Reviewer – CIHR transitional open operating and project scheme grant competitions

- 2015 – February: AIHS Graduate Studentship Application – Advisor
- 2015 – February: Department of Community Health Sciences Admissions Committee
- 2014 – Present: Co-Chair – Interdisciplinary Chronic Disease Collaboration (ICDC) Graduate Training Program
- 2014 – Present: Co-Chair – Unit 27 Renal Research Rounds
- 2014 – Present: University of Calgary – Essentials of Biostatistics Micro-Conference - Poster Presentation Reviewer.
- 2014 - November: International Society of Nephrology (ISN) – World Congress of Nephrology Abstract Reviewer (Topic: Epidemiology, outcomes and health services research in dialysis).
- 2014 – November: University of Calgary - Leaders in Medicine Research Symposium – Poster Presentation Reviewer.
- 2013 – October 2014: Postdoctoral Fellow – Ottawa Hospital Research Institute (OHRI) Department of Clinical Epidemiology. Supervisor: Dr. Alan Forster  
 - Graduate student teaching and mentorship  
 - Assisted in development of the graduate training program for health system performance within the OHRI.
- 2010 – Present: Member of International Methodology Consortium for Coded Health Information (IMECCHI)
- 2008- Present: Investigator - Alberta Kidney Disease Network (AKDN)  
 - Outcomes assessment using provincial administrative data sources.
- 2005 - Present: Research Associate – ALA Sleep Centre - Foothills Medical Centre  
 - Economic evaluation of continuous positive airway pressure and health care utilization among patients with Obstructive Sleep Apnea.  
 - Hypoventilation and Obstructive Sleep Apnea
- 2006 - 2011: Polysomnographic Technologist –Foothills Medical Centre  
 - Evaluation and treatment of sleep disordered breathing.
- 2004 - 2006: Research Coordinator – Alberta Children’s Hospital  
 - Cardiovascular Complications and Obstructive Sleep Apnea in Children.

Academic Reviews:

- Canadian Geriatrics Journal
- Canadian Medical Association Journal (CMAJ)
- British Medical Journal (BMJ)
- BMJ Open
- Endocrine (International Journal of Basic and Clinical Endocrinology)
- Canadian Journal of Gastroenterology

**VII: Research Support**

**i. Funds Held (n=6)**

**1. *Investigating complex chronic disease and high system use through novel linkages between primary care electronic medical records and population-based administrative data***

Funding Source: University of Calgary, Cumming School of Medicine  
Program Name: Clinical Research Fund Seed Grant  
Principal Investigator: Dr. Paul Ronksley  
Role: Principal Investigator  
Funding: \$10,000  
Support Period: 03/2016 to 02/2018

**2. *Preventable acute care spending among high cost inpatients***

Funding Source: University of Calgary, Cumming School of Medicine  
Program Name: Enhanced Bridge Funding  
Principal Investigator: Dr. Paul Ronksley  
Role: Principal Investigator  
Funding: \$50,000  
Support Period: 07/2015 to 04/2016

**3. *Characterizing high system use across the primary-tertiary care continuum: parallel analyses of select Canadian health datasets***

Funding Source: CIHR  
Program Name: Operating Grant - SPOR Primary & Integrated Health Care Innovation (PIHCI) Network – Quick Strike  
Principal Investigator: Dr. Tyler Williamson  
Role: Co-principal Investigator  
Funding: \$153,265  
Support Period: 07/2015 to 08/2016

**4. *Improving the Efficient and Equitable care of Patients with Chronic Medical Conditions: Interdisciplinary Chronic Disease Collaboration***

Funding Source: Alberta Innovates – Health Solutions (AI-HS)  
Program Name: Operational Team Grant – Collaborative Research and Innovation Opportunity (CRIO)  
Principal Investigators: Dr. Brenda Hemmelgarn, Dr. Braden Manns, and Dr. Marcello Tonelli

Role: Co-investigator  
Funding: \$5,000,000  
Support Period: 04/2014 to 03/2019

**5. *Better Prediction and Decision Support Tools to Improve Care and Outcomes for Patients with Acute Kidney Injury***

Funding Source: CIHR  
Program Name: Foundation Scheme 2014 – Live Pilot  
Principal Investigator: Dr. Matthew James  
Role: Program Expert  
Funding: \$855,843  
Support Period: 07/2015 to 06/2020

**6. *Improving care and outcomes of patients with CKD managed in primary care***

Funding Source: CIHR  
Program Name: Operating Grant - SPOR Primary & Integrated Health Care Innovation (PIHCI) Network – Quick Strike  
Principal Applicant: Dr. Aminu Bello  
Role: Co-Principal Investigator  
Total Amount Requested: \$164,156  
Support Period: 07/2016 to 06/2017

**ii. Funds Requested (n=6)**

**1. *Complex Chronic Disease and High System Use: Investigating patient profiles, resource use and health outcomes***

Funding Source: Medical Services Incorporated (M.S.I.) Foundation  
Program Name: Operating Grant  
Principal Applicant: Dr. Paul Ronksley  
Role: Principal Applicant  
Total Amount Requested: \$94,000  
Support Period: 07/2016 to 06/2018

**2. *Preventable acute care spending among high cost inpatients***

Funding Source: CIHR  
Program Name: Project Scheme – 1st Live Pilot  
Role: Principal applicant  
Total Amount Requested: \$210,000  
Support Period: 09/2016 to 08/2018

**3. *Methods for identification of chronic diseases in electronic medical record data - a systematic review***

Funding Source: CIHR  
Program Name: Knowledge Synthesis – 2015 Fall Competition  
Principal Applicant: Dr. Kerry McBrien

Role: Co-Principal Applicant  
Total Amount Requested: \$95,000  
Support Period: 07/2016 to 06/2017

**4. *Establishing an administrative database of patients with Idiopathic Pulmonary Fibrosis in Alberta: Descriptive epidemiology and health care utilization rates.***

Funding: Alberta Lung Association (ALA)  
Program Name: National Grant  
Principal Applicant: Dr. Kerri Johannson  
Role: Co-applicant  
Total Amount Requested: \$30,000  
Support Period: 01/2016 to 12/2017

**5. *Predicting Prolonged Length of Stay using Linked Data***

Funding Source: CIHR  
Program Name: Project Scheme – 1st Live Pilot  
Principal Applicant: Tolu Sajobi  
Role: Co-applicant  
Total Amount Requested: \$300,000  
Support Period: 09/2016 to 08/2018

**6. *The Syrian refugee surge to Canada: the patient-centred medical home model and a health system's response***

Funding Source: CIHR  
Program Name: Project Scheme – 1st Live Pilot  
Principal Applicant: Gabriel Fabreau  
Role: Co-applicant  
Total Amount Requested: \$550,000  
Support Period: 09/2016 to 08/2018

**7. *Coordinated Care Team for Vulnerable Patient Populations with Complex Care Needs***

Funding Source: Alberta Innovates – Health Solutions (AI-HS)  
Program Name: Partnership for Research and Innovation in the Health System (PRIHS)  
Role: Co-applicant  
Lead: Dr. Gabriel Fabreau (Co-Leads): Drs. McBrien, Nguyen, Lang

**VIII: Invited Presentations (n=14)**

1. Ronksley PE, Slobozian J. Grant Writing 101. MDCH 681 – Health Research Methods. University of Calgary, February 9<sup>th</sup>, 2016.
2. Ronksley PE, Hemmelgarn BH, Allu S, Tam-Tham H. Understanding how an interdisciplinary team works: An introduction to the ICDC. Campus Alberta Student Conference on Health (CASCH) – interdisciplinary panel session. Banff, AB, September 5<sup>th</sup>, 2015.

3. Ronksley PE. Preventable acute care spending among high cost inpatients. Performance Measurement and Institute for Clinical Evaluative Sciences (ICES) Rounds. Ottawa, ON, March 18, 2014.
4. Ronksley PE. High cost patients within the Ottawa Hospital. Canadian-US Research in Health Information Technology (CUR-IT). Montreal, QC, November 12, 2013.
5. Ronksley PE. Chronic disease research – from access to outcomes. International Methodology Consortium for Coded Health Information (IMECCHI) Annual Conference. Ottawa, ON, April 4, 2013.
6. Ronksley PE. The interdisciplinary chronic disease collaboration. Canadian-US Research in Health Information Technology (CUR-IT). Ottawa, ON, Oct 17, 2012.
7. Ronksley PE. The Canadian Community Health Survey (CCHS). Department of Community Health Sciences Research Methodology Club. University of Calgary, AB, April 10, 2012.
8. Ronksley PE. Chronic disease research – from access to outcomes. Department of Community Health Sciences and Calgary Institute for Population and Public Health Seminar Series, Calgary, AB, March 20 and April 4, 2012.
9. Ronksley PE. Chronic disease and unmet healthcare needs: A national perspective. World Health Organization – Family of International Classifications Annual Meeting, Cape Town, South Africa, November, 2011.
10. Ronksley PE, Ghali WA. Does a drink a day keep heart disease at bay? Evidence and implications of the cardio-protective effect of alcohol. Department of Community Health Sciences and Calgary Institute for Population and Public Health Seminar Series, Calgary, AB, June 2011.
11. Ronksley PE. Validation of a Case Definition to Define Chronic Kidney Disease using Administrative Data. World Health Organization – Family of International Classifications Annual Meeting, Toronto, ON, Oct 2010.
12. Ronksley PE. Optimizing Health for Patients with Chronic Disease. Interdisciplinary Chronic Disease Collaboration - Team Retreat. Sylvan Lake, AB, Oct 2009.
13. Ronksley PE. Calgary Sleep Cohort. Calgary Respiratory and Sleep Medicine Rounds, Dec 2007.
14. Ronksley PE. Hypoventilation, Hypoxemia and Hype. Calgary Respiratory and Sleep Medicine Rounds, Dec 2006.



## **IX: Poster Presentations (n=10)**

1. Ronksley PE, Wick JP, Hemmelgarn BR, Manns BJ, Tonelli M, Lewanczuk R. Comparison of methods to define high use of inpatients services using population-based data. Epidemiology Congress of the Americas, Miami, Florida, June 22, 2016.
2. Ronksley PE, Manns BJ, Tonelli M, Wick J, Hemmelgarn BR. Potentially preventable hospitalization among patients with chronic kidney disease and high inpatient use. American Society of Nephrology (ASN) Annual Conference, San Diego, California, November 2015.
3. Ronksley PE, Kobewka D, McKay J, Mulpuru S, Forster AJ. Clinical characteristics and preventable acute care spending among a high cost inpatient population. Canadian Association for Health Services and Policy Research Annual Conference (CAHSPR), Toronto, ON 2014.
4. Ronksley PE, Severson CA, Pendharkar SR, Tsai WH. Validity Of Administrative Data For The Identification Of Sleep Disordered Breathing. American Thoracic Society International Conference, San Francisco, 2012.
5. Ronksley PE, Sanmartin C, Quan H, Ravani P, Tonelli M, Manns B, Hemmelgarn B. Perceived unmet healthcare needs amongst patients with hypertension. Cardiac Sciences Research Day - Annual Meeting, Edmonton, AB, 2011.
6. Ronksley PE, Brien SE, Turner BJ, Mukamal K, Ghali WA. Association of Alcohol Consumption with Cardiovascular and Cerebrovascular Disease: A Systematic Review and Meta-analysis. Society of General Internal Medicine Annual Meeting, Miami, Florida 2009.
7. Ronksley PE, Tsai W, Quan H, Faris P, Hemmelgarn B. Data Enhancement for Co-morbidity Measurement Among Patients Referred for Sleep Diagnostic Testing. Canadian Association for Health Services and Policy Research Annual Conference (CAHSPR), Calgary, AB 2009.
8. Ronksley PE, Patten SB, Tsai W. Prevalence of Depression Among Patients Referred for Sleep Assessment. American Psychiatric Association International Conference, San Diego, 2007.
9. Ronksley PE, Hanly P, Tsai W. Accuracy and Stability of Transcutaneous PCO2 Monitoring in Patients with Nocturnal Hypoventilation. American Thoracic Society International Conference, San Francisco, 2007.
10. Ronksley PE, Hanly P, Fraser K, Whitelaw W, Tsai W. Pathogenesis of Sustained Hypoxemia in Obese Patients with Severe Obstructive Sleep Apnea (OSA). American Thoracic Society International Conference, San Francisco, 2007.

## **X: Publications**

### **i. Peer-reviewed Manuscripts (n=43)**

1. **Ronksley PE**, Kobewka DM, McKay JA, Rothwell DM, Mulpuru S, Forster AJ. Clinical characteristics and preventable acute care spending among a high cost inpatient population. *BMC Health Serv Res.* 2016;16:165.
2. **Ronksley PE**, Liu EY, McKay JA, Kobewka DM, Rothwell DM, Mulpuru S, Forster AJ. Variations in resource intensity and cost among high users of the emergency department. *Acad Emerg Med.* 2016 Feb 9 [Epub ahead of print].
3. Pfister T, Pfister K, Hagel B, Ghali WA, **Ronksley PE**. The incidence of concussion in youth sports: A systematic review and meta-analysis. *Br J Sports Med.* 2016;50:292-97.
4. Tonelli M, Wiebe N, Guthrie B, James MT, Quan H, Fortin M, Klarenbach SW, Sargious P, Straus S, Lewanczuk R, **Ronksley PE**, Manns BJ, Hemmelgarn BR; for the Alberta Kidney Disease Network. Comorbidity as a driver of adverse outcomes in people with chronic kidney disease: a cohort study. *Kidney Int.* 2015; October 88(4):859-66.
5. Mulpuru S, Aaron SD, **Ronksley PE**, Lawrence N, Forster AJ. Testing hospitalized patients for respiratory viruses fails to improve hospital resource utilization and patient outcomes. *Emerg Infect Dis.* 2015; August 21(8):1366-71.
6. Ravani P, **Ronksley PE**, James MT, Strippoli GFM. A nephrology guide to reading and using systematic reviews of observational studies. *Nephrol Dial Transplant.* 2015; October 30(10):1615-21
7. Severson CA, Pendharkar SR, **Ronksley PE**, Tsai WH. Use of Electronic Data and Existing Screening Tools to Identify Clinically Significant Obstructive Sleep Apnea. *Can Respir J.* 2015; 22(4):215-20.
8. Tonelli M, Wiebe N, Fortin M, Guthrie B, Hemmelgarn BR, James MT, Klarenbach SW, Lewanczuk R, Manns BJ, **Ronksley PE**, Sargious P, Straus S, Quan H; for the Alberta Kidney Disease Network. Methods for identifying 30 chronic conditions: application to administrative data. *BMC Med Inform Decis Mak.* 2015;15(1):31.
9. **Ronksley PE**, McKay JA, Kobewka DM, Mulpuru S, Forster AJ. Patterns of health care use among a high cost inpatient population in Ottawa, Ontario: a retrospective observational study. *CMAJ Open.* 2015;3(1):E111-18.
10. Penz E, Boffa J, Roberts DJ, Fisher D, Cooper R, **Ronksley PE**, James MT. Diagnostic Accuracy of the Xpert MTB/RIF Assay for Extra-Pulmonary Tuberculosis: A Meta-Analysis. *Int J Tuberc Lung Dis.* 2015;19(3):278-284.
11. Amoozegar F, **Ronksley PE**, Sauve R, Menon B. Hormonal contraceptives and cerebral venous thrombosis risk: a systematic review and meta-analysis. *Front Neurol.* 2015;6:7.

12. Yakovenko I, Quigley L, Hemmelgarn BR, Hodgins DC, **Ronksley PE**. The efficacy of motivational interviewing for disordered gambling: Systematic review and meta-analysis. *Addict Behav.* 2015;43:72-82.
13. Kobewka DM, **Ronksley PE**, McKay JA, Forster AJ, van Walraven C. Influence of educational, audit and feedback, system based, and incentive and penalty interventions to reduce laboratory test utilization. *Clin Chem Lab Med.* 2015;53(2):157-183.
14. Khokhar B, Jones J, **Ronksley PE**, Caird J, Rabi D. The effectiveness of mobile electronic devices in weight loss among overweight and obese populations: A systematic review and meta-analysis. *BMC Obesity.* 2014;1:22.
15. Ehteshami Afshar A, Weaver R, Lin M, Allan M, **Ronksley PE**, Sanmartin C, Lewanczuk R, Rosenberg M, Manns B, Hemmelgarn B, Tonelli M; on behalf of the Interdisciplinary Chronic Disease Collaboration. Capacity and willingness of patients with chronic noncommunicable diseases to use information technology to help manage their condition: a cross-sectional study. *CMAJ Open.* 2014; 2(2):e51-59.
16. Campbell DJ, King-Shier K, Hemmelgarn BR, Sanmartin C, **Ronksley PE**, Weaver RG, Tonelli M, Hennessy D, Manns BJ. The association between financial barriers and care and outcomes for patients with chronic disease. *Health Rep.* 2014;25(5):3-12.
17. Campbell DJ, **Ronksley PE**, Manns B, Tonelli M, Sanmartin C, Weaver R, Hennessy D, King-Shier K, Campbell T, Hemmelgarn B. The association of income with health behavior change and disease monitoring among patients with chronic disease. *PLoS One.* 2014;9(4):e94007.
18. **Ronksley PE**, Sanmartin C, Campbell DJT, Weaver RG, Allan GM, McBrien KA, Tonelli M, Manns BJ, Hennessy D, Hemmelgarn BR. Perceived barriers to primary care among western Canadians with chronic conditions. *Health Rep.* 2014;25(4):3-10.
19. Weaver RG, Manns BJ, Tonelli M, Sanmartin C, Campbell DJT, **Ronksley PE**, Lewanczuk R, Braun TC, Hennessy D, Hemmelgarn BR. Access to primary care and other health care use among Western Canadians with chronic conditions: a population-based survey. *CMAJ Open.* 2014;2(1):e27-34.
20. Di Micco L, Quinn RR, **Ronksley PE**, Bellizzi V, Lewin AM, Cianciaruso B, Ravani P; for the Alberta Kidney Disease Network (AKDN). Urine creatinine excretion rate and clinical outcomes in CKD. *Clin J Am Soc Nephrol.* 2013;8(11):1877-83.
21. **Ronksley PE**, Ravani P, Sanmartin C, Quan H, Manns B, Tonelli M, Hemmelgarn B. Patterns of engagement with the health care system and risk of subsequent hospitalization among patients with diabetes. *BMC Health Serv Res.* 2013;13:399.

22. Severson CA, Tsai WH, **Ronksley PE**, Pendharkar SR. Identification of Insomnia in a Sleep Center Population Using Electronic Health Data Sources and the Insomnia Severity Index. *J Clin Sleep Med*. 2013;9(7):655-60.
23. Elliott M, James M, Quinn R, Ravani P, Manns B, Tonelli M, Kline G, Palacios-Derflinger L, **Ronksley PE**, Hemmelgarn B. Fracture risk and chronic kidney disease: a population-based study. *Clin J Am Soc Nephrol*. 2013;8(8):1367-76.
24. Aghajafari F, Nagulesapillai T, **Ronksley PE**, Tough CS, O’Beirne M, Rabi DM. Association between 25-hydroxyvitamin D level and pregnancy and neonatal outcomes: systematic review and meta-analysis of observational studies. *BMJ*. 2013;346:f1169.
25. **Ronksley PE**, Sanmartin C, Quan H, Ravani P, Tonelli M, Manns B, Hemmelgarn BR. Association between perceived unmet health care need and risk of adverse health outcomes among patients with chronic medical conditions. *Open Medicine*. 2013;7(1):e21-30.
26. Tam-Tham H, Cepoiu-Martin M, **Ronksley PE**, Maxwell CJ, Hemmelgarn BR. Dementia case management and risk of long-term care placement: a systematic review and meta-analysis. *Int J Geriatr Psychiatry*. 2013;28:889-902.
27. Campbell DJT, **Ronksley PE**, Hemmelgarn B, Zhang J, Barnabe C, Tonelli M, Manns B. Association of enrolment in primary care networks with diabetes care and outcomes among First Nations and low-income Albertans. *Open Med*. 2012;6(4):e155-65.
28. **Ronksley PE**, Sanmartin C, Quan H, Ravani P, Tonelli M, Manns B, Hemmelgarn BR. Association between chronic disease and perceived unmet healthcare needs. *Open Med*. 2012;6(2):e48-58.
29. **Ronksley PE**, Tonelli M, Quan H, Manns BJ, James MT, Clement FM, Samuel S, Quinn RR, Ravani P, Brar SS, Hemmelgarn BR. Validating a Case Definition for Chronic Kidney Disease using Administrative Data. *Nephrol Dial Transplant*. 2012;27(5):1826-31.
30. **Ronksley PE**, Hemmelgarn BR, Tsai WH. Co-morbidity and healthcare cost in patient with OSA. *Breathe – Educational Journal for the European Respiratory Society*. 2011;8:94-104.
31. Ma IW, Brindle ME, **Ronksley PE**, Lorenzetti D, Sauve R, Ghali WA. Use of Simulation-Based Education to Improve Outcomes of Central Venous Catheterization: A Systematic Review and Meta-Analysis. *Acad Med*. 2011;86(9):1137-47.
32. Armstrong MJ, Mottershead TA, **Ronksley PE**, Sigal RJ, Campbell TS, Hemmelgarn BR. Motivational interviewing to improve weight loss in overweight and/or obese patients: A systematic review and meta-analysis of randomized controlled trials. *Obes Rev*. 2011;12(9):709-23.

33. Ahmed SB, **Ronksley PE**, Hemmelgarn BR, Tsai WH, Manns BJ, Tonelli M, Klarenbach SW, Chin R, Clement FM, Hanly PJ. Nocturnal hypoxia and loss of kidney function. *PLoS One*. 2011;6(4):e19029.
34. **Ronksley PE**, Hemmelgarn BR, Heitman SJ, Flemons WW, Ghali WA, Manns B, Faris P, Tsai WH. Excessive daytime sleepiness is associated with increased health care utilization among patients referred for assessment of OSA. *Sleep*. 2011;34(3):363-70.
35. **Ronksley PE**, Brien SE, Turner BJ, Mukamal KJ, Ghali WA. Association of Alcohol Consumption with Selected Cardiovascular Disease Outcomes: A Systematic Review and Meta-analysis. *BMJ*. 2011;342:d671.
36. Brien SE, **Ronksley PE**, Turner BJ, Mukamal KJ, Ghali WA. Effect of Alcohol Consumption on Biological Markers Associated with Risk of Coronary Heart Disease: A Systematic Review and Meta-analysis of Interventional Studies. *BMJ*. 2011;342:d636.
37. Elliott MJ, **Ronksley PE**, Clase CM, Ahmed SB, Hemmelgarn BR. Management of patients with acute hyperkalemia. *CMAJ*. 2010;182(15):1631-5.
38. Kirk V, Midgley J, Giuffre M, **Ronksley P**, Nettel-Aguirre A, Al-Shamrani A. Hypertension and obstructive sleep apnea in Caucasian children. *World J Cardiol*. 2010;2(8):251-6.
39. **Ronksley PE**, Tsai WH, Quan H, Faris P, Hemmelgarn BR. Data enhancement for comorbidity measurement among patients referred for sleep diagnostic testing: an observational study. *BMC Med Res Methodol*. 2009;9:50.
40. **Ronksley PE**, Hemmelgarn B, Heitman SJ, Hanly PJ, Faris PD, Quan H, Tsai WH. Obstructive Sleep Apnea is Association with Diabetes in Sleepy Subjects. *Thorax*. 2009;64(10):834-39.
41. Heitman SJ, **Ronksley PE**, Hilsden RJ, Manns BJ, Rostom A, Hemmelgarn BR. Prevalence of Ademonas and Colorectal Cancer in Average Risk Individuals: A Systematic Review and Meta-analysis. *Clin Gastroenterol Hepatol*. 2009;7(12):1272-8.

## ii. Review Articles / Commentaries / Editorials

42. **Ronksley PE**, Brien SE, Turner BJ, Mukamal KJ, Ghali WA. Using imperfect scientific evidence: nuance or rejection? *BMJ*. 2012; 344:e2294 (Rapid Response - available at: <http://www.bmj.com/content/342/bmj.d671/rr/574741>)
43. **Ronksley PE**, Hemmelgarn BR. Optimizing care for patients with chronic kidney disease. *Am J Kidney Dis*. 2012;60(1):133-8.

### iii. Accepted or In-Press Refereed Manuscripts (n=2)

44. Hennessy D, Sanmartin C, **Ronksley P**, Weaver R, Campbell D, Manns B, Tonelli M, Hemmelgarn B. Out-of-pocket expenditures for prescription medications and cost-related non-adherence among Canadians with chronic disease. *Health Reports*. 2016 [In-press].
45. Galbraith L, **Ronksley PE**, Barnieh L, Kappel J, Manns BJ, Samuel SM, Jun M, Weaver R, Valk N, Hemmelgarn BR. The See Kidney Disease (SeeKD) Targeted Screening Program for CKD. *Clin J Am Soc Nephrol (CJASN)*. 2016 [In-press].

### iv. Submitted Manuscripts (n=6)

46. Galbraith L, Hemmelgarn BR, Manns BJ, Samuel S, **Ronksley PE**. The association between individual counseling and health behavior change: The See Kidney Disease (SeeKD) Targeted Screening Program for chronic kidney disease. *Revise and Resubmit - Canadian Journal of Kidney Health and Disease* – March 2016.
47. Laratta CR, Tsai WH, Wick JP, Pendharkar SR, Johannson K, **Ronksley PE**. Validity of Administrative Data for Identification of Obstructive Sleep Apnea. *Submitted to Journal of Sleep Research* – May 2016.
48. Kobewka D, van Walraven C, Taljiard M, **Ronksley PE**, Forster AJ. The Prevalence of Potentially Preventable Deaths in Acute Care Hospitals. *Submitted to Medicine* – May 2016.
49. Mulpuru S, McKay J, Forster AJ, Thavorn K, Kobewka D, **Ronksley PE**. High Health Care Spending in Hospitalized Patients with COPD: Looking Beyond Readmissions. *Submitted to PLoS One* – April 2016.
50. **Ronksley PE**, Hemmelgarn BR, Manns BJ, Wick J, James MT, Ravani P, Quinn R, Scott-Douglas N, Lewanczuk R, Tonelli M. Potentially Preventable Hospitalization among Patients with Chronic Kidney Disease and High Inpatient Use. *Revise and Resubmit - Clinical Journal of the American Society of Nephrology (CJASN)* – May 2016.
51. Stokes W, Fenton C, Clement F, James M, **Ronksley PE**, Tang K. Efficacy and Safety of 12 weeks of Sofosbuvir and Ledipasvir versus Sofosbuvir, Ledipasvir and Ribavirin in Patients with Chronic Hepatitis C, genotype 1, who have Cirrhosis and have Failed Prior Therapy: A Systematic Review and Meta-Analysis. *Submission to Canadian Journal of Infectious Diseases* – April 2016.

### v. Manuscripts in Preparation (n=8)

52. **Ronksley PE**, Manns BJ, Tonelli M, Weaver RG, James MT, Ravani P, Quinn R, Thomas C, McRae J, Lewanczuk R, Hemmelgarn BR. Emergency Department Use among Patients with Chronic Kidney Disease: A Population-based Analysis.

53. Wick JP, Hemmelgarn BR, Manns BJ, Tonelli M, Quan H, Lewanczuk R, **Ronksley PE**. Comparison of methods to define high use of inpatient services using population-based data.
54. Rashidi B, Kobewka D, Campbell D, Forster AJ, **Ronksley PE**. Clinical factors contributing to high cost hospitalizations.
55. Sevick L, Esmail R, Tang K, Lorenzetti DL, **Ronksley PE**, James M, Santana M, Ghali W, Clement F. A systematic review of the cost and cost-effectiveness of electronic discharge communications.
56. Kobewka D, **Ronksley PE**, Mulpuru S, McIsaac D, Forster A. Prevalence of distressing symptoms at the end of life in an acute care hospital.
57. Smith S, Yamamoto J, **Ronksley PE**, James M. Associations Between Day of the Week of Surgical Admissions or Procedure and Postoperative Mortality: A Systematic Review and Meta-analysis.
58. Johansson K, Marcoux V, **Ronksley PE**, Ryerson C. Diagnostic yield and complications of transbronchial lung cryobiopsy in the evaluation of interstitial lung disease: A systematic review and meta-analysis.
59. Tonelli M, Wiebe N, Fortin M, Guthrie B, Hemmelgarn BR, James MT, Klarenbach SW, Lewanczuk R, Manns BJ, **Ronksley PE**, Sargious P, Straus S, Quan H; for the Alberta Kidney Disease Network. Multimorbidity and resource use in elders 65 and older: a population-based cohort study.

#### vi. Published Abstracts (n=29)

1. Wick JP, Hemmelgarn BR, Manns BJ, Tonelli M, Lewanczuk R, **Ronksley PE**. Comparison of methods to define high use of inpatients services using population-based data. Epidemiology Congress of the Americas, Miami, Florida, June 22, 2016.
2. Metcalfe A, Wick J, **Ronksley P**. Increasing rates of comorbidities in pregnancy: Temporal trends in the United States from 1992 to 2012. Society for Pediatric and Perinatal Epidemiology Research (SPER), Miami, Florida, June 21, 2016.
3. Williamson T, Fabreau GE, McBrien K, Drummond N, Polachek A, Garies S, **Ronksley P**. Characterizing high system use across the primary-tertiary care continuum: parallel analyses of select Canadian health datasets. Patient-Oriented Research Summer Institute, Calgary, Alberta, May 2016.
4. **Ronksley PE**, Manns BJ, Tonelli M, Wick J, Hemmelgarn BR. Potentially preventable hospitalization among patients with chronic kidney disease and high inpatient use. American Society of Nephrology (ASN) Annual Conference, San Diego, California, November 2015.

5. Liu EY, Forster A, Kobewka D, McKay J, Mulpuru S, Taljaard M, Li L, **Ronksley PE**. Characterizing high-intensity use of the emergency department in a tertiary-care centre. Canadian Society for Epidemiology and Biostatistics (CSEB) Annual Conference, Toronto, ON, June 2015.
6. **Ronksley PE**, Kobewka DM, McKay JA, Rothwell DM, Mulpuru S, Forster AJ. Clinical characteristics and preventable acute care spending among a high cost inpatient population. Canadian Association for Health Services and Policy Research (CAHSPR) Annual Conference, Toronto, ON, 2014.
7. Khokhar B, Jones J, **Ronksley P**, Caird J, Rabi D. The effectiveness of mobile electronic devices in weight loss among overweight and obese populations: A systematic review and meta-analysis. Society of General Internal Medicine Annual Meeting, Denver, Colorado 2013.
8. Steadman R, Sevick L, Leggett L, Lorenzetti D, MacKean G, Noseworthy T, Ghali W, Rabi D, **Ronksley P**, Rose S, Clement F. A Health Technology Assessment of Radiofrequency Ablation for Chronic Low Back Pain. Health Technology Assessment International Conference, Bilbao, Spain, 2012.
9. Elliott MJ, Tonelli M, Manns B, Kline GA, James MT, Quinn RR, Palacios-Derflingher L, **Ronksley PE**, Hemmelgarn BR. Fracture risk is not increased in patients with chronic kidney disease. Canadian Society of Nephrology Annual Conference (CSN), St. John's, NL, 2012.
10. Aghajafari F, Nagulesapillai T, **Ronksley P**, Rabi D. The effect of vitamin D levels of pregnancy outcomes: A systematic review and meta-analysis. Society of Obstetricians and Gynaecologists of Canada Annual Conference (SOGC), Ottawa, ON, 2012.
11. Tam H, Cepoiu-Martin M, **Ronksley P**, Maxwell CJ, Drummond N, Hemmelgarn BR. The Effect of Dementia Case Management in Community Dwelling Individuals with Dementia on Resource Utilization: A Systematic Review and Meta-Analysis. *Alzheimer's & Dementia* 2012;8(4) Suppl. p.567.
12. Campbell D, **Ronksley P**, Zhang J, Hemmelgarn B, Manns B. The effect of primary care networks on diabetes care in Alberta's underserved populations. Primary Care Initiative Forum, Calgary, AB, 2012.
13. Severson CA, Pendharkar SR, **Ronksley PE**, Tsai WH. Identification Of Insomnia Using Electronic Health Data. Annual Meeting of the Associated Professional Sleep Societies – SLEEP Conference, Boston, Mass, 2012.
14. **Ronksley PE**, Severson CA, Pendharkar SR, Tsai WH. Validity Of Administrative Data For The Identification Of Sleep Disordered Breathing. *Am J Respir Crit Care Med*. 2012;185(9):A6449.



15. Severson CA, Tsai WH, **Ronksley PE**, Pendharkar SR. A methodologic approach to the identification of obstructive sleep apnea syndrome using electronic health data. *Am J Respir Crit Care Med*. 2012;185(9):A6440.
16. **Ronksley PE**, Sanmartin C, Quan H, Ravani P, Tonelli M, Manns B, Hemmelgarn B. Chronic disease and unmet healthcare Needs: A national perspective. World Health Organization – Family of International Classifications Annual Meeting, Cape Town, South Africa, 2011.
17. **Ronksley PE**, Sanmartin C, Quan H, Ravani P, Tonelli M, Manns B, Hemmelgarn B. Perceived unmet healthcare needs amongst patients with hypertension. Cardiac Sciences Research Day - Annual Meeting, Edmonton, AB, 2011.
18. Ma IW, Brindle ME, **Ronksley PE**, Lorenzetti D, Sauve R, Ghali WA. Outcomes of Simulation-based Education in Central Venous Catheterization: A Systematic Review and Meta-Analysis. International Conference on Residency Education (ICRE), Quebec City, QC, 2011.
19. Campbell D, **Ronksley P**, Hemmelgarn B, Manns B. The Effect of Primary Care Networks on Diabetes in Alberta’s Underserved Populations. Canadian Society of Internal Medicine - Annual Meeting, Halifax, NS, 2011.
20. Campbell D, **Ronksley P**, Hemmelgarn B, Manns B. The Effect of Primary Care Networks on Diabetes in Alberta’s Underserved Populations. *Can J Diab*. 2011;66:384A.
21. **Ronksley PE**, Quan H, James M, Quinn R, Clement F, Brar S, Ravani P, Manns B, Tonelli M, Samuel S, Hemmelgarn B. Validation of a Case Definition to Define Chronic Kidney Disease using Administrative Data. World Health Organization – Family of International Classifications Annual Meeting, Toronto, ON, 2010.
22. **Ronksley PE**, Tsai WH, Quan H, Faris P, Hemmelgarn BR. Data Enhancement for Comorbidity Measurement Among Patients Referred for Sleep Diagnostic Testing. Canadian Association for Health Services and Policy Research Annual Meeting, Calgary, AB, 2009.
23. Hochman JS, **Ronksley PE**, Hemmelgarn BR, MacRae J. Maintenance of Hepatitis B Antibody Response in Hemodialysis Patients. Canadian Society of Nephrology Annual Meeting, Edmonton, AB, 2009.
24. **Ronksley PE**, Brien SE, Turner BJ, Mukamal K, Ghali WA. Association of Alcohol Consumption with Cardiovascular and Cerebrovascular Disease: A Systematic Review and Meta-analysis. *J Gen Intern Med*. 2009;24:28A.
25. Brien SE, **Ronksley PE**, Turner BJ, Mukamal K, Ghali WA. Effect of Alcohol Consumption on Biological Markers Associated with Risk of Cardiovascular Disease: A Systematic Review. *J Gen Intern Med*. 2009;24:65A.

26. Heitman S, **Ronksley PE**, Hilsden R, Manns B, Rostom A, Skuce J, Morrison A, Hemmelgarn B. Prevalence of Adenomas and Colorectal Cancer in 50-75 Year Old Individuals at Average Risk for Colorectal Cancer: A Systematic Review and Meta-analysis. *Am J Gastroenterol*. 2008;103(S1):202A.
27. **Ronksley PE**, Hanly PJ, Fraser KL, Whitelaw WA, Tsai WH. Pathogenesis of Sustained Hypoxemia in Obese Patients with Severe Obstructive Sleep Apnea (OSA). *Am J Respir Crit Care Med*. 2007;175:53A.
28. **Ronksley PE**, Hanly PJ, Tsai WH. Accuracy and Stability of Transcutaneous PCO<sub>2</sub> Monitoring in Patients with Nocturnal Hypoventilation. *Am J Respir Crit Care Med*. 2007; 175:699A.
29. **Ronksley PE**, Patten SB, Tsai WH. Depression Among Patients Referred for Sleep Assessment. *APA*. 2007;30:14A.
30. Kirk V, Al-Shamrani A, Midgley J, Guiffre M, **Ronksley PE**. Cardiovascular Complications of Obstructive Sleep Apnea in Children. *Sleep*. 2005;28:172A.

**vii. Communications**  
**Media Releases**

1. Association of Alcohol Consumption with Selected Cardiovascular Disease Outcomes: A Systematic Review and Meta-analysis.  
***British Journal of Medicine (BMJ)***

Top cited article for BMJ 2012 ([http://journals.bmj.com/site/marketing/landing-pages/bmj\\_mostcited.xhtml](http://journals.bmj.com/site/marketing/landing-pages/bmj_mostcited.xhtml))

<http://www.ctvnews.ca/reviews-confirm-it-alcohol-really-is-good-for-the-heart-1.611067>

2. The incidence of concussion in youth sports: A systematic review and meta-analysis.  
***British Journal of Sports Medicine***

<http://www.ucalgary.ca/utoday/issue/2016-01-20/cumming-study-identifies-sports-highest-concussion-risk-youth>

<http://www.metronews.ca/news/calgary/2016/01/20/ucalgary-finds-likelihood-rate-of-concussions-kids-sports.html>

<http://www.reuters.com/article/us-health-concussion-youth-sports-idUSKBN0TZ2RE20151216>

<http://globalnews.ca/video/2455360/which-three-sports-cause-the-most-concussions-among-kids>

<http://www.bna.com/sports-concussion-litigation-n57982067520/>

3. Variations in resource intensity and cost among high users of the emergency department.  
*Academic Emergency Medicine*

<http://medicalresearch.com/mental-health-research/mentally-ill-homeless-patients-are-high-intensity-emergency-department-users/21789/>

### **Technical Reports**

1. Interdisciplinary Chronic Disease Collaboration (ICDC): Barriers to Care for People with Chronic Health Conditions (BCPCHC). Phase 2 Survey Working Paper (Available at: <http://www.icdc.ca/research/selected-projects>).