

**Robert B. Penfold
Curriculum Vitae**

Biographical Information

Date Prepared: June 27, 2019
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Education

2004	PhD, Geography	University of Toronto, Toronto, Ontario, Canada
1997	MA, Geography	University of Waterloo, Waterloo, Ontario, Canada
1995	BA, Geography	University of Waterloo, Waterloo, Ontario, Canada

Postdoctoral Training

2006	Postdoctoral Fellow, Pediatric Mental Health	The Research Institute at Nationwide Children's Hospital
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Professional Positions

Primary

2019 -	Senior Investigator	Kaiser Permanente Washington Health Research Institute	Kaiser Permanente WA
2014 -	Associate Investigator	Kaiser Permanente Washington Health Research Institute	Kaiser Permanente WA
2010 - 2013	Assistant Investigator	Group Health Research Institute	Group Health Cooperative

Affiliate

2011 -	Affiliate Associate Professor	Department of Health Services Research	University of Washington
2010 -	Health Science Specialist	Center for Organizational Learning and Management Research	Veterans Health Administration, Boston

Past

2009 - 2010	Instructor	Department of Population Medicine, Drug Policy Research Group	Harvard Medical School & Harvard Pilgrim Health Care Institute
2007 - 2009	Research Associate	Manitoba Centre for Health Policy	University of Manitoba
2007 - 2009	Assistant Professor	Department of Community Health Sciences	University of Manitoba
2006 -	Affiliate Assistant Professor	Center for Innovation in Pediatric Practice	The Research Institute at Nationwide Children's Hospital

2006 - 2007	Research Associate	Research and Evaluation Unit, Division of Research and Applied Learning	Winnipeg Regional Health Authority
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Other Professional Positions

2004	Research Assistant, Department of Geography, University of Toronto
2003	Consultant, Canadian Association of Food Banks (CAFB)
1999 - 2002	Peer Counselor, Teaching Assistants' Training Program, Office of Teaching Advancement
1999	Research Assistant, Department of Geography, University of Toronto
1997	Research Assistant, Department of Geography, University of Waterloo
1997	Consultant, Polk Marketing, Toronto, Ontario, Canada

Honors, Awards & Scholarships

2015	Manuscript Recognition	Academic Pediatrics	Penfold and Zhang (2013) was the third most downloaded paper of 2014 in Academic Peds.
2012	Early Career Investigator Award	Health Care Services Research Network	Awarded for outstanding scholarship to investigators within 5 years of completing their terminal degree.
2004	Faculty of Arts and Science Celebration of Extraordinary People	University of Toronto	In recognition of students with outstanding academic, teaching, and extra-curricular achievements.
2002	Geography Toronto Award	University of Toronto	Awarded for outstanding contributions to the life of the Geography Department.
1997	Governor General's Gold Medal (nomination)	University of Waterloo	Awarded for the best dissertation at the University of Waterloo (three nominees each year).

Scholarships

1999-2001	Social Sciences and Humanities Research Council (SSHRC) Doctoral Thesis Supplement for data collection (\$10,000)
1999 – 2002	Social Sciences and Humanities Research Council (SSHRC) Doctoral Thesis Award (\$60,000)
1997-1998	University of Toronto Connaught Award (\$20,000)

Other Professional Activities

National Service

2018/5/24-25	<i>SAMHSA Implementation of Best Practices in Antipsychotic Prescribing for Children and Adolescents Expert Panel meeting</i>	SAMHSA
9/2011 – 6/2015	Behavioral Health Advisory Committee	Academy Health
4/1/2010 -	Chair, Child Mental Health Services Interest Group, Mental Health Research Network	MHRN

Local Service

2019	CATALyST K12 Mentoring Program Mentor for Maggie Ramirez	
2018	PhD Admissions Committee, UW, Health Services	
2017	PhD Admissions Committee, UW, Health Services	
2015-2016	Chair, Scientific Advisory Committee	
2016	Bree Collaborative Committee on Antipsychotic Prescribing to Youth in WA	
2016	Hiring Committee for Kai Yeung	
2016	Hiring Committee for Kristi Palmsten	
2015 -	Academic Affairs Committee, UW Health Services	
2015 -	PhD Admissions Committee, UW Health Services	
10/15/2013	Faculty Mentoring Award review committee	GHRI
10/15/2013	Programmer Hiring Committee	GHRI
4/29/2013	Strategic Planning faculty sponsor at retreat Goal #1 - Data	GHRI
4/25/2013	Facilitator – Birnbaum Research Round Table	
9/2012 – 9/2013	Geographic Designations Workgroup	GHQ
8/2012 – 9/2013	Vice Chair Foundation/GHRI/Strategic Planning Data Governance Council	Group Health Research Institute
8/2012 -	Strategic Planning Goal #2: "Partner to build a learning health care system (Reid lead)	Group Health Research Institute
8/2012 -	Strategic Planning Goal #3 Innovative Methods (Penfold lead)	Group Health Research Institute
8/2012 -	Strategic Planning Knowledge Management Team (Newton lead)	Group Health Research Institute
11/2011 -	Institute Scientific Information Strategy Committee (ISIS)	Group Health Research Institute
11/2011	Biostatistician Search Committee Member	Group Health Research Institute
7/2011 – 10/2011	GHRI Effort Management Guide and tools – Faculty Feedback Session	Group Health Research Institute
8/2011	Facilitator, GHRI Respect for People Initiative	Group Health Research Institute
2/2011	Consultant, Group Health Cooperative Market Segmentation Strategy	Group Health Research Institute
2009 - 2010	Coordinator, Strategy Seminar Series	Department of Population Medicine

Professional Societies

2010 - Academy Health

Peer Review

Grant Review Activities

2019/3/7	HSR&D Mental Health Study Section	VA
2018/11/5	Grant review, P50 ALACRITY applications	NIMH
2018 /3/16	Grant review, learning health care system	HSR&D
2017	Grant review, Regional Education Laboratory Northwest	Education Northwest
6/2014 – 6/2017	Study section member, SERV	NIMH
6/2013 – 5/2014	Ad hoc study section member, SERV	NIMH
12/15/2014	CRN scholars application reviewer	CRN
2/12/2014	Abstract reviewer, Pediatric Academic Society Quality Improvement conference	PAS
2/4/2013	Abstract reviewer, Pediatric Academic Society Quality Improvement conference	PAS
2/2013	Abstract reviewer, Behavioral Health Interest Group, Academy Health ARM	Academy Health
2009	2009 – RC1 Challenge Grant reviewer (first phase)	NIH

Editorial Activities

International Associate Editor, *BMC Family Practice*, September 2010 – October 2015

Journal Ad hoc Reviewer

American Journal of Managed Care
Archives of General Psychiatry
BMJ
BMJ Open
BMJ Quality and Safety
Child Maltreatment
Health Affairs
Health Services Research
JAMA Open
Journal of Evaluation in Clinical Practice
Journal of Child and Adolescent Psychopharmacology
Journal of General Internal Medicine
Pediatrics
Pharmacoepidemiology and Drug Safety
Psychiatric Services
Statistics in Medicine
Vaccine

Bibliography

Peer reviewed research articles

2019

1. Schoenfelder Gonzalez E, Myers K, Thompson E, King DA, Glass AM, **Penfold RB**. Developing Home-Based Telemental Health Services for Youth: Practices from the SUAY Study. *Telemedicine and Telecare*. 2019. In press.
2. Lion KC, Zhou C, Ebel BE, **Penfold RB**, Mangione-Smith R. Identifying Modifiable Health Care Barriers to Decrease Disparities for Hospitalized Children. *Hospital Pediatrics* 2019. In press.
3. Parchman ML, **Penfold RB**, Tauben D, Von Korff M, Stephens M, Stephens KA, Baldwin LM. Team-Based Clinic Redesign of Opioid Medication Management in Primary Care: Impact on Opioid Prescribing. *The Annals of Family Medicine*. 2019, in press.
4. Parchman ML, Anderson ML, Dorr DA, Fagnan LJ, O'Meara ES, Tuzzio L, **Penfold RB**, Cook AJ, Hummel J, Conway C, Cholan R, Baldwin LM. A randomized trial of external practice support to improve cardiovascular risk factors in primary care. *The Annals of Family Medicine*. 2019, in press.
5. Simon, GE, Shortreed, SM, Coley, RY, **Penfold, RB**, Rossom, RC, Waitzfelder, BE, Sanchez, K and Lynch, FL. Assessing and Minimizing Re-identification Risk in Research Data Derived from Health Care Records. *eGEMs (Generating Evidence & Methods to improve patient outcomes)*, 2019;7(1):1–9.
6. **Penfold RB**, Carrell D, Cronkite D, Pabiniak C, Dodd TS, Glass A, Johnson E, Thompson E, Arrighi HM, Stand PE. Development of a Natural Language Processing Algorithm to Predict Mild Cognitive Impairment, *JAMIA*. 2019, in press.

Previous

7. Simon GE, Johnson E, Lawrence JM, Rossom RC, Ahmedani B, Lynch FM, Beck A, Waitzfelder B, Ziebell R, **Penfold RB**, Shortreed SM. Predicting Suicide Attempts and Suicide Deaths Following Outpatient Visits Using Electronic Health Records. *American Journal of Psychiatry*, 2018;175(1):951-960.
8. Simon GE, Stewart C, Hunkeler EM, Yarborough BJ, Lynch F, Coleman KJ, Beck A, Operskalski BH, **Penfold RB**, Carrell DS. Care Pathways Prior to First Diagnosis of Psychotic Disorders in Adolescents and Young Adults. *American Journal of Psychiatry*, 2018;175(5):434-442.
9. Lu CY, **Penfold R**, Toh D, Sturtevant J, Madden J, Simon G, Ahmedani BK, Clarke G, Hunkeler EM, Waitzfelder B, Owen-Smith A, Davis R, Raebel MA, Rossom R, Coleman KJ, Copeland LA, Soumerai SB, Kulldorff M. Near real-time surveillance for consequences of health policies using sequential analysis. *Medical Care*, 2018;56(5):365-372.
10. Simon GE, Stewart C, Yarborough BJ, Lynch F, Coleman KJ, Beck A, Operskalski BH, **Penfold RB**, Hunkeler EM. Mortality Rates After the First Diagnosis of Psychotic Disorder in Adolescents and Young Adults. *JAMA Psychiatry*, 2018;75(3):254-260.
11. Simon GE, Johnson E, Stewart C, Rossom RC, Beck A, Coleman KJ, Waitzfelder B, **Penfold RB**, Operskalski BH, Shortreed SM. Does Patient Adherence to Antidepressant Medication Actually Vary Between Physicians? *Journal of Clinical Psychiatry*, 2018;79(3):5-10.
12. Franz B, Skinner D, Kerr AM, **Penfold RB**, Kelleher K. Hospital-Community Partnerships: Facilitating Communication for Population Health on Columbus' South Side. *Health Communication*. 2018; 33(12): 1462-1474.
13. Skinner D, Franz B, Kelleher K, **Penfold RB**. Community Perceptions of Hospitals and Shared Physical Space: A Qualitative Study. *Culture, Medicine, and Psychiatry*, 2018;42(1):131-158.
14. Simon GE, Shortreed SM, Johnson E, Beck A, Coleman KJ, Rossom RC, Whiteside U, Operskalski B, **Penfold RB**. Between-visit changes in suicidal ideation and risk of subsequent suicide attempt. *Depression and Anxiety*, 2017;34(9):794-800.
15. Wu JJ, **Penfold RB**, Primates P, Fox TK, Stewart C, Reddy SP, Egeberg A, Liu J, Simon GE. The risk of depression, suicidal ideation, and suicide attempt in patients with psoriasis, psoriatic arthritis or ankylosing spondylitis. *Journal of the European Academy Dermatology and Venereology*, 2017;31(7):1168-1175.

16. **Penfold RB**, Simon GE, Shortreed SM, Johnson E, Stewart C, Rossom RC, Operskalski B, Beck A. Antidepressant Use by Youth with Minimal or Mild Depression: Evidence from 3 Health Systems, *Pediatric Quality & Safety*, 2017;2(2):1-7.
17. Parchman, M. L., N. B. Henrikson, P. R. Blasi, D. S. Buist, **RB. Penfold**, B. Austin, and E. H. Ganos. 2016. Taking action on overuse: Creating the culture for change. Healthc (Amst). 2016. Taking Action on Overuse: Creating the Culture for Change, *Healthcare*, 2017;5(4):199-203.
18. **Penfold RB**, Burgess JF, Lee AF, Li M, Miller CJ, Nealon Seibert M, Semla TP, Mohr DC, Kazis LE, Bauer MS. Spatiotemporal Clustering Analysis to Detect Innovative Prescribing Patterns for Bipolar Disorder in the Department of Veterans Affairs: A Case Study of Aripiprazole. *Health Services Research*; 2018;53(1):214-235.
19. Parchman ML, Fagnan LJ, Dorr DA, Evans P, Cook AJ, **Penfold RB**, Hsu C, Cheadle A, Baldwin LM, Tuzzio L. Study Protocol for “Healthy Hearts Northwest”: a 2x2 randomized factorial trial to build quality improvement capacity in primary care. *Implementation Science*, 2016;11:138.
20. Simon GE, Beck A, Rossom R, Richards J, Kirilin B, King D, Shulman L, Ludman EJ, **Penfold RB**, Shortreed SM, Whiteside U. Population-based outreach versus care as usual to prevent suicide attempt: study protocol for a randomized controlled trial. *Trials*. 2016 Sep 15;17(1):452.
21. Hacker, K., **RB. Penfold**, L. N. Arsenault, F. Zhang, S. B. Soumerai, and L. S. Wissow. 2017. The Impact of the Massachusetts Behavioral Health Child Screening Policy on Service Utilization. *Psychiatric Services* 68(1): 25-32.
22. Barclay RP, **Penfold RB**, Sullivan D, Boydston L, Wignall J, Hilt RP. Decrease in Statewide Pediatric Antipsychotic Prescribing Rates Following Implementation of Child and Adolescent Psychiatry Consult Services. *Health Services Research*, 2017;52(2):561-578.
23. Simon GE, Coleman KJ, Rossom RC, Beck A, Oliver M, Johnson E, Whiteside U, Operskalski B, **Penfold RB**, Shortreed SM, Rutter C. Risk of Suicide Death Following Completion of the Patient Health Questionnaire Depression Module in Community Practice. *Journal of Clinical Psychiatry*, 2016;77(2):221-227.
24. Simon GE, Rossom RC, Beck A, Waitzfelder BE, Coleman KJ, Stewart C, Operskalski B, **Penfold RB**, Shortreed SM. Antidepressants are not Overprescribed for mild Depression. *Journal of Clinical Psychiatry*, 2015;76(12):1627-1632.
25. Simon GE, Coleman KJ, Waitzfelder BE, Beck A, Rossom RC, Stewart C, **Penfold RB**. Adjusting Antidepressant Quality Measures for Race and Ethnicity. *JAMA Psychiatry*, 2015;72(10):1055-1056.
26. Hacker KA, **Penfold RB**, Arsenault LN, Zhang F, Soumerai SB, Wissow LS. Effect of Pediatric Behavioral Health Screening and Colocated Services on Ambulatory and Inpatient Utilization, *Psychiatric Services*, 2015;66(11):1141-1148.
27. Miller CJ, Li M, **Penfold RB**, Lee AF, Smith EG, Nordberg SS, Osser DN, Bajor L, Zhang F, & Bauer MS. The ascendancy of second generation antipsychotics as frontline anti-manic agents. *Journal of Clinical Psychopharmacology*, 2015;35(6):645-653.
28. Davis RL, Gallagher MA, Asgari MM, Boscarino JA, Burmester JK, Cromwell LF, Eide MJ, Feigelson HS, Kuntz JL, LA Grenade LA, Macy EM, Margolis DJ, Pacanowski MA, Pawloski PA, **Penfold RB**, Pinheiro SP, Raebel MA, Sridhar G, Schild LA, Selvam N, Wu A. Identification of Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis in Electronic Health Record Databases, *Pharmacoepidemiology and Drug Safety*, 2015;24(7):684-692.
29. Ludman EJ, McCorkle R, Aiello Bowles E, Rutter CM, Chubak J, Tuzzio L, Jones S, Reid RJ, **Penfold RB**, Wagner EH. Do Depressed newly diagnosed cancer patients differentially benefit from nurse navigation?, *General Hospital Psychiatry*, 2015;37(3):236-239.
30. Bauer MS, Lee A, Miller CJ, Bajor L, Li M, **Penfold RB**. Effects of Diagnostic Inclusion Criteria on Prevalence and Population Characteristics in Database Research, *Psychiatric Services*, 2015;66(2):141-148.
31. Miller CJ, Li M, **Penfold RB**, Lee AF, Smith EG, Osser DN, Bajor L, Bauer MS. Patterns of initiation of second generation antipsychotics for bipolar disorder: a month-by-month analysis of provider behavior, *BMC Psychiatry*, 2014;14(1):339. PMID 25433807.
32. Raebel M, **Penfold RB**, McMahan A, Reichman M, Goodrich G, Andrade S, Correll C, Gerhard T. Adherence to Guidelines for Glucose Assessment in Starting Second Generation Antipsychotics, *Pediatrics*, 2014;134(5)e1308-1314.
33. Jones SM, Ludman EJ, McCorkle R, Reid R, Bowles EJ, **Penfold RB**, Wagner EH. A differential item function analysis of somatic symptoms of depression in people with cancer. *Journal of Affective Disorders*, 2015;170:131-137.

34. Hacker KA, **Penfold RB**, Arsenault LN, Zhang F, Murphy M, Wissow LS. Behavioral Health Services Following Screening in Children Enrolled in Massachusetts Medicaid, *Pediatrics*, 2014; 134(4):737-46.
35. Lu CY, Soumerai SB, Zhang F, Lakoma M, Madden J, **Penfold RB**, Ahmedani BK, Clarke G, Hunkeler E, Waitzfelder B, Owen-Smith A, Raebel M, Rossom R, Coleman KJ, Copeland L. Changes in Youth Antidepressant Use and Suicidal Behavior Following FDA Warnings and Media Coverage. *BMJ*, 2014;18:348.
36. Lu CY, Stewart C, Ahmed AT, Ahmedani BK, Coleman K, Copeland LA, Hunkeler EM, Lakoma MD, Madden JM, **Penfold RB**, Rusinak D, Zhang F, Soumerai SB. How Complete are E-codes in Commercial Plan Claims Databases?, *Pharmacoepidemiology and Drug Safety*, 2014;23(2):218-220.
37. Austin SB, **Penfold RB**, Johnson RL, Haines J, Forman S. Clinician Identification of Youth Abusing Over-the-Counter Products for Weight Control in a Large US Integrated Health System, *Journal of Eating Disorders*, 2014;145(2):232-239.
38. Hacker K, **Penfold RB**, Arsenault L, Zhang F, Murphy M, Wissow L. Screening for Behavioral Health Issues in Children Enrolled in Massachusetts Medicaid, *Pediatrics*, 2014;133(1):46-54.
39. Harris M, **Penfold RB**, Hawkins A, Maccombs J, Wallace B, Reynolds B. Dimensions of Impulsive Behavior and Treatment Outcomes for Adolescent Smokers, *Experimental and Clinical Psychopharmacology*, 2014;22(1):57-64.
40. Bauer MS, Lee A, Li M, Bajor L, Rasmusson A, Kazis LE and the **ASTANA Group**. Off-Label Use of Second Generation Antipsychotics for Post-Traumatic Stress Disorder in the Department of Veterans Affairs: Time Trends and Sociodemographic, Comorbidity, and Regional Correlates, *Pharmacoepidemiology and Drug Safety*, 2014;23(1):77-86.
41. **Penfold RB**, Stewart C, Hunkeler EM, Madden, Cummings JR, Owen-Smith AA, Rossom RC, Lu CY, Lynch FL, Waitzfelder BE, Coleman KA, Ahmedani BK, Beck AL, Zeber JE, Simon GE. Use of Antipsychotic Medications in Pediatric Populations: What Do the Data Say? *Current Psychiatry Reports*, 2013;15(12):426.
42. Wagner EH, Ludman EJ, Aiello Bowles EJ, **Penfold RB**, Reid RJ, Rutter CM, Chubak J, McCorkle R. Nurse Navigators in Early Cancer Care: a Randomized , Controlled Trial. *Journal of Clinical Oncology*, 2013;(51):7359.
43. **Penfold RB** and F Zhang. Use of Interrupted Time Series Analysis in Evaluating Pediatric Quality Improvement Interventions and Policies, *Academic Pediatrics*; 2013;13(6 Suppl):S38-44.
44. Mohr DC, Bauer MS, **Penfold RB**. Changes in Veterans Affairs Psychiatrists' Work Environment Perceptions, Satisfaction and Turnover during Resource Enhancement, *Psychiatric Services*, 2013;64(6):563-569.
45. Bajor LA, Lai Z, Goodrich DE, Miller CJ, **Penfold RB**, Kilbourne AM, Bauer MS. Posttraumatic Stress Disorder, Depression, and Health-Related Quality of Life in Patients with Bipolar Disorder: Review and New Data from a Multi-Site Community Clinic Sample, *Journal of Affective Disorders*, 2013;145(2):232-239.
46. **Penfold RB**, Kilbourne AM, Mohr DC, Lai Z, Nealon-Siebert M, Bauer MS. Heterogeneity in the Diffusion of Aripiprazole for the Treatment of Bipolar Disorder in the Veterans Health Administration, *Psychiatric Services* 2012;63(12):1178-1185.
47. Hacker K, **Penfold RB**, Zhang F, Soumerai SB. Impact of Electronic Health Record Transition on Behavioral Health Screening, *Psychiatric Services* 2012;63(3):256-261.
48. **Penfold RB**, Rusinak D, Lieu T, Shefer A, Messonier M, Lee GM. Financing and Systems Barriers to Seasonal Influenza Vaccine Delivery in Community Settings, *Vaccine* 2011;29(52):9632-9639.
49. Andrade SE, Lo J, Roblin D, Fouayzi H, Connor DF, **Penfold RB**, Chandra M, Reed G, Gurwitz JH. Antipsychotic Medication Use Among Children and Risk of Diabetes Mellitus, *Pediatrics*, 2011;128(6):1135-1141.
50. **Penfold RB**, Kullgren JT, Miroshnik I, Galbraith AA, Hinrichsen VL, Lieu TA. Reliability of a patient survey assessing cost-related changes in health care use among high deductible health plan enrollees, *BMC Health Services Research*, 2011;11:133 (27 May 2011). PMID: 3116474.
51. Kullgren JT, Galbraith AA, Hinrichsen VL, Miroshnik I, **Penfold RB**, Rosenthal MB, Landon BE, Lieu TA. Health Care Use and Decision-Making among Lower-Income Families in High-Deductible Health Plans. *Archives of Internal Medicine*, 2010;170(21):1918-1925. PMID: [21098352](#).
52. Singh H, **Penfold RB**, DeCoster C, Au W, Bernstein CN, Moffatt M. Predictors of serious complications associated with lower gastrointestinal endoscopy in a major city-wide health region. *The Canadian Journal of Gastroenterology* 2010;24(7):425-430. PMID: [20652157](#)
53. **Penfold RB**, Wang W, Strange B, Pajer K, Kelleher KJ. Pediatric uptake of a newly available antipsychotic medication. *Pediatrics* 2010;125(3):475-482. PMID: [20142282](#).

54. **Penfold RB**, Wang W, Strange B, Pajer K, Kelleher KJ. Spatio-temporal clusters of new psychotropic medications among Michigan children insured by Medicaid. *Pharmacoepidemiology and Drug Safety* 2009;18(7):531-539. PMID: [19367576](#).
55. Singh H, **Penfold RB**, DeCoster C, Kaita L, Proulx C, Taylor G, Bernstein CN, Moffatt M. Colonoscopy and its complications across a Canadian regional health authority. *Gastrointestinal Endoscopy* 2009;69(3 Pt 2):665-671. PMID: [19251007](#).
56. Reynolds B, **Penfold RB**, Patak M. Dimensions of impulsive behavior in adolescents: laboratory behavioral assessments. *Experimental and Clinical Psychopharmacology* 2008;16(2):124-31. PMID: [18489016](#).
57. **Penfold RB**, Dean S, Flemons W, Moffatt M. Do hospital standardized mortality ratios measure patient safety? HSMRs in the Winnipeg Regional Health Authority. *Healthcare Papers* 2008;8(4):8-24. PMID: [18667867](#).
58. **Penfold, RB**, Chisolm DJ, Nwomeh BC, Kelleher KJ. Geographic disparities in the risk of perforated appendicitis among children in Ohio: 2001-2003. *International Journal of Health Geographics*. 2008;7:56. PMID: [18983666](#).
59. Reynolds B, Patak M, Shroff P, **Penfold RB**, Melanko S, Duhig AM. Laboratory and self-report assessments of impulsive behavior in adolescent daily smokers and nonsmokers. *Experimental and Clinical Psychopharmacology* 2007;15(3):264-71. PMID: [17563213](#).
60. **Penfold RB**, Kelleher KJ. Use of surveillance data in developing geographic dissemination strategies: a study of the diffusion of olanzapine to Michigan children insured by Medicaid. *Clinical Therapeutics* 2007;29(2):359-70; discussion 358. PMID: [17472829](#).
61. **Penfold, RB**. Covariance risk and employment growth in Canadian cities. *Growth and Change* 2006;37(1): 60-81.
62. **Penfold, RB**. Risk, activity modularization, sourcing and economic geography. *Environment and Planning A* 2002;34(8): 1333-1353.

Other non-peer-reviewed scholarly publications

Weir G, Dooley S, Gupta N, Hilt R, Lozano P, Pechous L, **Penfold RB**, Polo J, Testerman J, Stein M, Sullivan D. Pediatric Psychotropic Use Report and Recommendations, Dr. Robert Bree Collaborative. November 2016. <http://www.breecollaborative.org/wp-content/uploads/Antipsychotic-Recommendations-Final-2016.pdf>

Penfold RB, Schaefer J, Newes-Adeyi G, Tachibana C, Brown T, Roper R. *Practice-Based Research Network Business Opportunities with ACOs and Other Health Care Systems: Training and Technical Assistance*. AHRQ Publication No. 15-0069-EF. Rockville (MD): Agency for Healthcare Research and Quality; 2015.

Penfold RB, Alagar L, Enns M, Chipperfield S, Strutt C, Bowen S. *Patterns of Mental Illness Disorder Diagnoses & Service Use: A Population-Based Study of the Winnipeg Regional Health Authority*. Winnipeg, Manitoba, Canada: Winnipeg Regional Health Authority, January 2008.

PhD Thesis

Penfold, Robert B. The economic geography of risk: three papers on organization, development and agglomeration [microform]. Ottawa : Library and Archives Canada, 2004. AMICUS No. 31433091.

Funding History

Current

Grant #	1R01AG061926-01 (Penfold)	9/30/2018 – 5/31/2022	\$2,259,630
Agency	National Institute for Aging		
Title	STAR Caregivers – Virtual Training and Follow-up		
Major Goals	To reduce increase caregiver self-efficacy and reduce caregiver burden for spouses and adult children of patients with dementia. We will also measure reductions in the behavioral and psychological symptoms of dementia and changes in antipsychotic medication use.		
Grant #	1R56MH117767-01 (Penfold)	8/3/2018 – 7/31/2019	\$3,696,153

Agency	NIMH		
Title	Assisted Identification and Navigation of Early Mental Health Symptoms in Youth		
Major Goals	To increase the identification and treatment of youth with mental health symptoms and complaints. We will use natural language processing to identify clinical text suggestion behavioral health issues but where no diagnosis or treatment is initiated. A social worker will then conduct outreach to connect families with care if they desire.		
Grant #	HHSN271201600004C (Penfold)	4/1/2016 – 12/31/2021	\$9,658,552
Agency	National Institute for Mental Health		
Title	Safer and Targeted Use of Antipsychotics in Youth (Penfold)		
Major Goals	To develop a clinical prescribing algorithm, clinical decision support in Epic, behavioral health navigation, and brief tele-video psychotherapy intervention to reduce the use of antipsychotic medications by youth with non-psychotic disorders. This is a 3 phase study. We are currently conducting the Phase 2 pilot trial at Group Health and Nationwide Children’s Hospital. The Phase 3 trial begins in January 2018 where we will enroll 800 youth in a pragmatic RCT across 4 sites: Kaiser Permanente of Washington, Kaiser Permanente Colorado, Henry Ford, and Nationwide.		
Grant #	2U19MH092201-04 (Simon) Sub project 3 (Penfold)	4/1/2017 – 3/31/2019	\$531,622
Agency	NIMH		
Title	MHRN II – Subproject 3 – Automated Outreach for Depression Treatment Dropout		
Major Goals	To develop an automated system within Epic and the Group Health patient portal that identifies people overdue for depression treatment (e.g., missed antidepressant fill, missed psychotherapy appointment) and assesses depression symptoms using the PHQ9. This is a 3 sites 3-site pilot study to evaluate the feasibility and acceptability of this approach. Real-time EMR data will be used to automatically identify outpatients who: initiated psychotherapy or medication treatment for depression, reported at least moderate severity of symptoms at baseline, and appear to have discontinued treatment prematurely. Using online messaging and assessment capabilities embedded in EMR systems, these potential participants will be contacted and asked to complete standardized assessments regarding treatment status and depression severity. Each participant will receive tailored feedback (based on responses to the standardized assessments) regarding re-engagement in treatment.		
Grant #	R18 HS023908 (Parchman)	5/1/2015-6/30/2019	
Agency	Agency for Healthcare Research and Quality		
Title	The Northwest Coalition for Primary Care Practice Support		
Major Goals	The major goals of this project are to build capacity for quality improvement (QI) in small primary care practices across Washington, Oregon and Idaho by improving risk factors for heart attacks such as blood pressure, cholesterol and smoking. The Northwest Coalition for Primary Care Practice Support will assist practices by providing them with a QI coach, creating group learning opportunities, and conducting educational outreach activities. An innovative study design will be used to determine what levels and types of support are most helpful and effective.		
Grant #	UH2AT007755 (Simon)	9/16/2014 – 7/31/2019	
Agency	National Institute of Mental Health		
Title	Pragmatic Trial of Population-based Programs to Prevent Suicide Attempt		
Major Goals	To use a factorial design to examine two alternative strategies for secondary prevention of suicide attempt: one strategy focused on risk assessment and care management and another focused on development of emotion regulation skills.		

Awarded but Pending

None at this time.

Past

Grant #	R01 MH099666 (Simon)	7/19/2013 – 9/30/2018
Agency	NIMH	
Title	Precursors of first-episode psychosis in a population-based sample	
Major Goals	This multi-site study will use electronic records data from four large integrated health systems to: identify young people experiencing a first episode of psychosis, examine patterns of care prior to initial diagnosis (to identify opportunities for earlier detection), examine patterns of care following first diagnosis (to identify opportunities for more effective early intervention). Exploratory research will examine patients' and family members' views regarding early detection and early intervention programs.	
Grant #	None (Carrell)	1/1/2018 – 7/31/2018
Agency	Director's Fund	
Title	NLP for Side Effects of Antidepressants and Antipsychotic Medications	
Major Goals	To develop a natural language processing algorithm to determine the population prevalence of known side effects for these medications. Side effects are seldom captured as structured data.	
Grant #	73016 - 9182sc	12/1/2015 – 7/31/2017
Agency	Robert Wood Johnson Foundation	
Title	Oral Health Evaluation	
Major Goals	To determine the effectiveness of systematic tooth varnish application in pediatric primary care on rates of dental caries and tooth repair procedures.	
Grant #	VA241-16-P-0359 (Burgess)	1/1/2016 – 5/31/2017
Agency	HSR&D	
Title	Spatio-temporal Clusters of Opioid Prescribing in the VA	
Major Goals	To identify space-time clusters of opioid prescribing in the VA and early adopters of lower morphine equivalent dosing (MED).	
Grant #	None (Penfold)	9/30/2012 - 9/29/2015
Agency	Group Health Foundation	
Title	Advanced Care Planning with Patients Newly Diagnosed With Dementia/Neurodegenerative Disease	
Major Goals	To develop an innovative, evidence-based program to deliver early, outpatient disease education and palliative care for newly diagnosed dementia patients at a time when their dementia is mild to moderate, thereby allowing their active participation in activities such as advance care planning.	
Grant #	HHSF223200910006I (Penfold)	
Agency	Food and Drug Administration	
Title	Examining Longitudinal Change in BMI for Youth Treatment with Second Generation Antipsychotic Medications	
Major Goals	To assess the BMI change at 12 weeks and 52 weeks among youth initiating risperidone, olanzapine, quetiapine, and ziprasidone compared to aripiprazole.	
Grant #	R21 MH094942 (Penfold)	8/4/2014 – 8/3/2015

Agency	National Institute of Mental Health	
Title	Exploring the Impact of Pediatric Behavioral Health Screening on Health Care Use	
Major Goals	To explore the relationship between the implementation of Behavioral Health screening in pediatric settings and the quantity and quality of BH and non-BH care use.	
Grant #	HHSA2901000004i / TO 10 (LeRoy)	10/1/2014 - 9/30/2015
Agency	Agency for Healthcare Research and Quality	
Title	Synthesizing Lessons From "IMPACT" And "Transforming Primary Care Initiatives"	
Major Goals	To synthesize the valuable insights and learnings from three AHRQ initiatives (IMPACT, Transforming Primary Care Practice (TPC) and Estimating Costs of Supporting Primary Care Practice Transformation) and to create products to disseminate the findings to key target audiences in formats designed to facilitate their implementation.	
Grant #	1R40MC26819-01-00 (Bell)	4/1/2014 – 3/31/2015
Agency	Health Resources and Services Administration	
Title	Psychotropic Medication Use Among US Children and Youth: National Trends, Disparities, and Related Expenditures	
Major Goals	Will contribute expertise in time series analysis and geographic disparities in health care utilization by leading the sub-group analyses in Specific Aim 3 – particularly with regard to insurance status (e.g., Medicaid versus Private insurance) and geography (rural versus urban, region of the US).	
Grant #	HHSF223200910006I (Platt)	2/1/2012 – 6/30/2015
Agency	Food and Drug Administration	
Title	Efforts to Develop the Sentinel Initiative: Signal Refinement of Metabolic Effects of Antipsychotics in Pediatric Population	
Major Goals	To determine the risk of developing metabolic disorders in children and adolescents using antipsychotic medications. We will conduct sub-group analyses by age, sex, diagnosis, specific medication, and dose range.	
Grant #	U19 MH092201 (Simon)	11/1/2011 – 10/31/2013
Agency	National Institute of Mental Health	
Title	Practice Variation in High- and Low-value Treatments for Mood Disorders: Mental Health Research Network: A Population-Based Approach to Transform Research	
Major Goals	This project will use data from five large integrated health systems (serving approximately 5 million residents of five US states) to examine predictors of high-value and low-value treatments for mood disorders. The sample will include approximately 400,000 patients initiating a new episode of antidepressant treatment and 12,000 receiving a new diagnosis of bipolar disorder.	
Grant #	HC0107 (Minden)	6/9/2011 - 5/8/2014
Agency	Multiple Sclerosis Society	
Title	Direct and Indirect Costs of Multiple Sclerosis	
Major Goals	The goal of this study is to conduct a comprehensive analysis of the direct and indirect costs of MS using community and nursing home samples that generally represent the MS population, and to make the information available in a variety of formats for a wide range of stakeholders in increase understanding of the burden of MS and improve the lives of people with it.	
Grant #	VA241-P-2272 (Bauer)	8/1/2012-7/31/2014
Agency	Veteran's Administration	
Title	Spatiotemporal Spread of Newer Antipsychotics for Bipolar Disorder and PTSD	
Major Goals	Identify Space-time cluster analysis that describes the spread of prescribing of second generation antipsychotics for two serious mental illnesses of high cost and priority to the VHA: bipolar disorder and PTSD.	

Grant #	20120415 (Reid)	3/15/2012 - 1/31/2014
Agency	Commonwealth Fund	
Title	The Spread of High-Performance Integrated Care Delivery Systems: Assessing Two Hybrid Approaches	
Major Goals	This study examines the recent of experiences of two previously closed model integrated delivery systems, Group Health Cooperative in Washington State and Scott & White Healthcare in Texas, as they integrate with community providers and payers using a mix of payment and clinical strategies to improve their local market performance and healthcare's triple aims. The aims of this project are: to describe and contrast the system-level transformations, motivations and strategies in the two organizational case studies; to describe the transformation process impact on partnering organizations, providers and patients; and to examine the effects of these changes on quality of care and cost performance.	
Grant #	P20 CA137219 (Dearing)	9/30/2008 – 2/27/2014
Agency	National Cancer Institute	
Title	Testing an Optimal Model of Patient-Centered Cancer Care: CRN Cancer Communication Research Center (CRN CCRC)	
Major Goals	To assess the impact of a nurse intervention for cancer patients that provides information and decision-making support, self-management and psychosocial support, and care coordination to cancer patients from diagnosis to the end of primary therapy on the experience and timeliness of care, self-efficacy and self-management, emotional distress, physical symptoms, treatment adherence, and quality of life. The intervention will be implemented and evaluated in three different delivery models.	
Grant #	MH082995 (Ludman)	6/1/2012-4/30/2014
Agency	National Institute of Mental Health	
Title	Organized Self-Management Support Services for Chronic Depression - Administrative Supplement	
Major Goals	This study will be one of the first to evaluate rigorously the impact of group-based self management on potential cost savings. The results of this study are likely to be highly relevant to achieving the triple aims of health care reform: improving the experience of care, improving the health of populations, and reducing per capita costs of health care.	
Grant #	U19 MH092201 (Simon)	9/24/2010-7/31/2013
Agency	National Institute of Mental Health	
Title	Mental Health Research Network: A Population-Based Approach to Transform Research: Infrastructure	
Major Goals	We propose to develop a Mental Health Research Network (MHRN) including ten established public-domain research centers based in integrated not-for-profit health systems. The MHRN will complement traditional clinical research by taking advantage of large potential samples of patients, diverse patient care settings, access to large provider groups, and integrated data systems to conduct rapid and efficient effectiveness trials in mental health. Work will include development of a core infrastructure for collaborative effectiveness research in Mental Health and completion of 4 research projects that leverage that infrastructure in specific clinical areas.	
Grant #	None (Reid)	10/1/2012-2/28/2013
Agency	Group Health Cooperative	
Title	Population Healthcare Needs Profiling & Staffing Allocation Models	
Major Goals	Evaluate implementation of Medical Home 2	
Grant #	CN138-673 (Penfold)	2/1/2012 - 12/31/2012
Agency	Bristol Myers Squibb	
Title	Treatment Patterns and Clinical Outcomes Associated with Augmentation Therapy in Major Depressive Disorder	

- Major Goals To describe patterns of augmentation therapy in the treatment of major depressive disorder and assess outcomes associated with different augmentation strategies.
- 1/1/2012 – 12/31/2012
 Group Health Research Institute Development Fund (**Penfold**)
 Title: **Using Psychotherapy Referral Data for use in Patient Centered Outcomes Research**
 Role: Principal Investigator
 Goals: The main objectives of this study are to determine the strongest predictors of (a) failure to attend a first psychotherapy visit, (b) failure to attend the recommended number of visits in the first six months of treatment, and (c) time to discontinuation of psychotherapy among initiators.
- 9/9/2011 – 9/8/2012
 Title: **A Pilot Study for the Identification of Severe Cutaneous Reactions and Genomic Risk Factors in Users of Antiepileptics**
 Role: Coinvestigator
 Funding Source: United States Food and Drug Administration contract number HHSF223201000009I
 The goal of this study is to investigate the incidence of antiepileptic drug (AED) induced severe cutaneous reactions, namely Stevens-Johnson Syndrome (SJS) and toxic epidermal necrolysis (TEN). We are also studying the differential risk of SJS and TEN by specific agents and genetic factors. We are developing robust retrospective case identification methodologies and infrastructure for collecting genetic samples.
- 7/1/2011 – 6/30/2013
 Title: **Longitudinal Analysis of SSRIs and Suicidality in Youth** (Simon)
 Role: Co-investigator
 Funding Source: NIMH 1U19MH092201-01
 The goal of this research is to determine the impact of the FDA black box warning on rates of suicide attempts and completed suicides using an interrupted time series approach. We will also use sequential testing methods to determine how quickly we could have detected a change in self-harm behaviors following the black box warning if a surveillance program had been in place.
- 9/1/2010 – 8/31/2010
 Title: **Abuse of Over-the-Counter Products for Weight Control by Youth**
 Role: Co-Investigator
 Funding Source: Robert Wood Johnson Seed Grant
 The objective of this study is to evaluate changes in the rates of abuse of OTC products for weight loss in youth up to age 25 years and adverse outcomes associated with this abuse, particularly as these changes may relate temporally to the introduction and withdrawal of certain products from the market.
- 1/1/2011 – 12/31/2011
 Group Health Research Institute Director’s Fund (**Penfold**)
 Title: **Feasibility and Quality of PHQ-9 EHR Data for Use in CER of Depression Treatments**
 Role: Principal Investigator
 This pilot study has three objectives: (1) describe the availability (frequency of administration, selection bias, missingness) of Personal Health Questionnaire data in Group Health Cooperative electronic health records in order to assess the suitability of these data for use comparative effectiveness research; (2) assess the frequency and availability of item 9 on the PHQ-9 (endorsing suicidal ideation); and (3) assess the frequency of augmenting antidepressant therapy with (a) psychotherapy, (b) adding antidepressant medications, (c) adding antipsychotic medication.
- 9/30/2009 –
 Title: **A Web-Based Intervention with Adolescent Smokers of Appalachian Ohio**

- 8/31/2011 Type and number: Investigator Initiated, 1RC1CA144744-01
 Role: Consultant
 Funding Source: NCI
- This research will evaluate the effectiveness and efficacy of a new and innovative Web-based contingency management (CM) program for smoking abstinence with adolescent smokers living in Appalachian Ohio. Because this CM program is Web-based it can be completed from home, which stands to be more viable as a treatment option for rural adolescent smokers than other treatments requiring frequent trips to a clinical facility. From preliminary work with adult and adolescent smokers, it is expected this program will be highly effective in promoting smoking abstinence among adolescent smokers in Appalachian Ohio.
- 11/1/2009 –
 10/31/2010 Title: **Phase II Evaluation of the HMO Data to Support Development of a National Registry of ALS**
 Type and number: Investigator Initiated, 200-2009-32399
 Role: Site Principal Investigator
 Funding Source: CDC
- The primary objective of this project is to conduct an in-depth evaluation of a mechanism to collect HMO data on Amyotrophic Lateral Sclerosis which will be used to increase the completeness of a national ALS registry.
- 9/1/2009 –
 8/31/2010 Title: **Family Decision Making and Burden Under High-Deductible Health Plans**
 Type and number: Investigator Initiated, 5R21HD053440-02
 Role: Co-investigator
 Funding source: NICHD
- Increasing numbers of adults and children are being enrolled in high-deductible health plans, but scant information exists about their effects on families. This innovative project explores how HDHPs affect the processes of decision making on health care use, including knowledge, attitudes, cost-mitigating strategies, and perceived burden.
- 9/30/2007 –
 9/29/2010 Title: **Joint Initiative in Vaccine Economics (JIVE) Project, Phase 3**
 Type and number: Cooperative Agreement, 5U01IP000143-03
 Role: Co-Investigator
 Funding Source: NCIRD
- The goal of this study is to develop criteria for assessing the usefulness of existing vaccine selection algorithms and identify key factors in decisions about combination vaccines; and to assess the usefulness of an existing vaccine algorithm and measure societal values for the benefits and risks of combination vaccines.
- 04/01/2007 -
 03/31/2010 1R03MH077573-01A1 (**Penfold**)
 Title: **The Spatio-temporal Diffusion of Psychotropic Medication to Rural Children**
 Role: Principal Investigator
 Funding Source: NIMH
- This research will facilitate prospective dissemination of evidence regarding pediatric prescribing of psychotropic medications through “syndromic surveillance”, Geographic information systems (GIS), and the use of space-time cluster statistics. Our approach is innovative in that these methods are usually applied to arresting the spread of negative events (disease) rather than facilitating the spread of positive events (new/different clinical behaviors).

09/01/2006 – Title: **Manitoba Child Health Atlas**
04/30/2008 Role: Co-investigator,
Funding Source: Ministry of Health, Manitoba Canada

Conferences and Symposiums

Local Invited

- 2016 *Three Nations Panel: The Canadian Health Care System*. HUBIO 555. February 11, 2016
- 2015 *Three Nations Panel: The Canadian Health Care System*. HUBIO 555. February 13, 2015.
- 2012 *Cumulative Total Charges for Care Among Breast, Colorectal, and Lung Cancer Patients in the Oncology Nurse Navigator Trial*
Program in Health Economics and Outcomes Methodology (PHEnOM), Seattle, Oct 11, 2012.
Invited by Anirban Basu, Associate Professor, Dept. of Health Services, School of Public Health
- 2011 *Impact of Electronic Health Record Transition on Behavioral Health Screening for Children Insured by Medicaid*, podium presentation,
Academy Health, Seattle Convention Center, Seattle, WA, June 11, 2011
Invited by: Child Health Services Research (CHSR) Interest Group Steering Committee
- 2010 *Antipsychotic Polypharmacy among Michigan Medicaid Youth*, poster presentation
Academy Health, Hynes Convention Center, Boston, MA, June 26, 2010
Invited by: Child Health Services Research (CHSR) Interest Group Steering Committee

National Invited

- 2019 *Interrupted Time Series Analysis for Quality Improvement in Pediatric Research*
Pediatric Academic Society, Annual Meeting, Improving Quality Improvement Research Breakout Session, Baltimore, MD, April 26, 2019.
- 2018 *Interrupted Time Series Analysis for Quality Improvement in Pediatric Research*
Pediatric Academic Society Annual Meeting, Improving Quality Improvement Research Breakout Session, Toronto, ON, May 4, 2018.
- 2017 *Interrupted Time Series Analysis for Quality Improvement in Pediatric Research*
Pediatric Academic Society Annual Meeting, Improving Quality Improvement Research Breakout Session, San Francisco, CA, May 5, 2017.
- 2016 *Interrupted Time Series Analysis for Quality Improvement in Pediatric Research*
Pediatric Academic Society Annual Meeting, Improving Quality Improvement Research Breakout Session, Baltimore, MD, April 29, 2016.
- 2015 *Interrupted Time Series Analysis for Quality Improvement in Pediatric Research*
Pediatric Academic Society Annual Meeting, Improving Quality Improvement Research Breakout Session, San Diego, CA, April 24, 2015.
- 2014 *Interrupted Time Series Analysis for Quality Improvement in Pediatric Research*
Pediatric Academic Society Annual Meeting, Improving Quality Improvement Research Breakout Session, Vancouver, BC May 2, 2014
- 2013 *Interrupted Time Series Analysis for Quality Improvement in Pediatric Research*
Pediatric Academic Society Annual Meeting, Improving Quality Improvement Research Breakout Session, Washington, DC, May 3, 2013
Invited by Rita Mangione-Smith (University of Washington) and Denise Dougherty (Agency for Healthcare Research and Quality) May 24, 2012
- 2012 HSR&D/QUERI Webinar: Use of Spatial Analyses in Implementation Science,
September 13, 2012. Invited by Molly Kessner, Cyber Seminar Coordinator, HSR&D Center for Information Dissemination and Education Resources.

- 2012 Applying Geographic Information Systems (GIS) Methods to VA Health Services Research, HSR&D/QUERI National Conference – Washington, DC, July 17, 2012.
- 2012 *Interrupted Time Series Analysis for Quality Improvement in Pediatric Research*
Pediatric Academic Society Annual Meeting, Improving Quality Improvement Research Breakout Session, Washington, DC, April 27, 2012
Invited by Rita Mangione-Smith (University of Washington) and Denise Dougherty (Agency for Healthcare Research and Quality) June 24, 2011
- 2010 *Influenza Vaccine Financing in the U.S. - A Stakeholder Analysis*, webinar presentation to the National Association of County and City Health Officials (NACCHO), October 8, 2010.

Abstracts, Posters and Exhibits Presented at Professional Meetings

- 2018 Spatio-temporal Methods for small area analysis, Panel presentation, Academy Health, Seattle, June 26, 2018.
- 2016 Change in weight at 12 and 52 weeks for youth initiating treatment with second generation antipsychotic medications, Academy Health, Boston, June 25, 2016.
- 2015 Spatiotemporal Diffusion of Antipsychotic Medications for Bipolar Disorder in the VA, Academy Health, Minnesota, June 15, 2015.
- 2014 Impact of the Massachusetts Mandatory Behavioral Health Screening Policy on Utilization by Medicaid Insured Youth, Academy Health, San Diego, June 9, 2014. Podium presentation.
Rapid Case Ascertainment for Clinical Trial Enrollment, EDM Forum, June 7, 2014, poster presentation.
- 2013 Comparison of Administrative and EMR Data for Use in Pediatric Policy Evaluation, Academy Health, Baltimore, MD, June 23, 2013.
- 2012 Heterogeneity in the Diffusion of Aripiprazole for Bipolar Disorder in the Veterans Health Administration, presented at Academy Health, Orlando, FL, June 25, 2012
- 2011 *Impact of Electronic Health Record Transition on Behavioral Health Screening for Children Insured by Medicaid*, poster presented at Academy Health, Seattle Convention Center, Seattle, WA, June 13, 2011.
- 2010 Influenza Vaccine Financing in the U.S. - A Stakeholder Perspective, presented at the Annual Meeting of the Infectious Disease Society of America, Vancouver, BC, October 23
- 2010 Antipsychotic Polypharmacy among Michigan Medicaid Youth, poster presentation
Academy Health, Hynes Convention Center, Boston, MA, June 26
- 2008 The Geography of Pediatric Traumatic Brain Injury in Manitoba, 1979-2004, presented at the Annual Meeting of the Association of American Geographers, Boston, MA
- 2007 Pharmacoepidemiology of atypical antipsychotic prescribing in Michigan, 1995-1999, presented at the Annual Meeting of the Association of American Geographers, San Francisco.
- 2006 Identifying Potential Stimulant Diversion via State Medicaid Claims Data, presented at the NIDA/AAG Symposium on Geography and Drug Addiction, Palmer House Hotel, Chicago
- 2005 Using GIS to Study the Diffusion of Olanzapine to Rural Children, presented at the 18th NIMH Conference on Mental Health Services Research, Bethesda, Maryland

Teaching History

University of Washington

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| Guest Lecture
9/13/2016 | Interrupted time series analysis - Fundamentals of Implementation Science in Global Health Short Course September 12-16, 2016. |
| Guest Lecture
April 18, 2014 | GH541 Fundamentals of Implementation Science in Global Health
Practical Issues Using Interrupted Time Series Analysis |
| Guest Lecture
Feb. 4, 2014 | HUBIO 555 – Medicine, Health and Society
Three Nations panel for Health and Society |

Guest Lecture Feb. 21, 2013	HUBIO 555 – Medicine, Health and Society Three Nations panel for Health and Society
Guest Lecture May 7, 2012	EPI-PHARM 533 – Pharmacoepidemiology, Spring Quarter 2012-05-25, University of Washington
Guest Lecture Fall 2011	HSERV 592 B – Maternal and Child Health Research Seminar, University of Washington

University of Toronto

Instructor Winter 2004	GGRB – Real Estate and Urban Economics, Division of Social Sciences, University of Toronto at Scarborough
Instructor Fall 2003, Fall 2004	GGRA30 - GIS and Empirical Reasoning, Division of Social Sciences, University of Toronto at Scarborough
Instructor Fall 2003	GGRC18 – Transportation Policy Analysis, Division of Social Sciences, University of Toronto at Scarborough
Teaching Assistant 1997 - 2002	GGR270 - Analytical Methods Department of Geography, University of Toronto
Peer Counselor 1999 -2002	Office of Teaching Advancement, Teaching Assistant Training Program, University of Toronto
Teaching Assistant 1998, '99, '00, '01	GGR252 – Marketing Geography (Summer sessions) Department of Geography, University of Toronto

University of Waterloo

Instructor Spring 1998	ENVS378 - Multivariate Statistics, Department of Geography, University of Waterloo
Instructor Spring 1998	GGR2272 – Geographic Information Systems, Department of Geography, University of Toronto
Teaching Assistant 1996 - 1997	ENVS178 and ENVS278 – Introductory and Intermediate Statistics Department of Geography, University of Waterloo

Student Advising and Formal Mentoring

Maggie Ramirez	K12 CATALyST scholar
Julie Richards	PhD candidate, UW
Katherine Tan	GSR, PhD committee
Casey Lions	K12 scholar
Alex Woersching	PhD candidate, UW
Tracy Mroz, 2013	Postdoc Advisory committee with Rob Reid and Paul Fishman