

Robert B. Penfold

Curriculum Vitae

Date Prepared: September 10, 2013
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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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Faculty Academic Appointments

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

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 and Prizes

2012	Early Career Investigator Award	HMO 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).

Report of Scholarship

Peer reviewed publications in print or other media

1. **Penfold RB**, Madden, Owen-Smith, Cummings, Lynch, Coleman, and the Mental Health Research Network. Use of Antipsychotic Medications in Pediatric Populations: What Do the Data Say?, *Current Opinion in Psychiatry*, 2013; forthcoming.
2. 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*, 2013; forthcoming.
3. 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. Accurate Identification of Severe Cutaneous Reactions in Electronic Health Records and Administrative Databases for Pharmacogenomics Studies, *Pharmacoepidemiology and Drug Safety*, 2013; forthcoming.
4. 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; forthcoming.
5. Hacker K, **Penfold RB**, Arsenault L, Zhang F, Murphy M, Wissow L. New Behavioral Health issues identified by screening in Masshealth children, *Pediatrics*, 2013, forthcoming.
6. 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*, 2013 forthcoming.
7. 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*, 2013; forthcoming.
8. **Penfold RB** and F Zhang. Use of Interrupted Time Series Analysis in Evaluating Pediatric Quality Improvement Interventions and Policies, *Academic Pediatrics*; 2013; forthcoming.
9. Mohr DC, Bauer MS, **Penfold RB**. Changes in Veterans Affairs Psychiatrists' Work Environment Perceptions, Satisfaction and Turnover during Resource Enhancement, *Psychiatric Services*, 2013; epub ahead of print.
10. 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.

11. **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.
12. 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.
13. **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.
14. 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.
15. **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.
16. 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](#).
17. 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](#)
18. **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](#).
19. **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](#).
20. 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](#).
21. **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.
22. 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](#).
23. **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](#).
24. **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](#).
25. 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](#).
26. **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](#).
27. **Penfold**, RB. Covariance risk and employment growth in Canadian cities. *Growth and Change* 2006;37(1): 60-81.
28. **Penfold**, RB. Risk, activity modularization, sourcing and economic geography. *Environment and Planning A* 2002;34(8): 1333-1353.

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.

Report of Funded Projects

Current

Grant #	n/a	5/1/2013 – 4/30/2016
Agency	Shire Pharmaceuticals	
Title	Eating Patterns and Health (ePATH)	
Major Goals	Determine the prevalence of binge eating disorder across 5 sites in the HMORN	
Grant #	SRG-0-008-11 (Penfold)	10/1/2012 - 9/30/2014
Agency	American Foundation for Suicide Prevention	
Title	Suicide Onset Following Antidepressant Initiation	
Major Goals	To determine risk of increased suicidal ideation and/or self-injurious behavior following the initiation of antidepressant medication therapy.	
Grant #	UH2AT007755 (Simon)	9/30/2012-8/31/2017
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.	
Grant #	P20 CA137219 (Dearing)	9/30/2008 - 8/31/2013
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)	6/1/2012-4/30/2013
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 #	HHSF223200910006I (Platt)	2/1/2012 – 9/30/2013
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 #	R21 MH094942 (Hacker)	4/1/2012 - 7/31/2013
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 #	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 #	VA241-P-2272 (Penfold)	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 #	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 #	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 #	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.	

Past

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
Title: **Using Psychotherapy Referral Data for use in Patient Centered Outcomes Research**
Role: Principal Investigator
Funding Source: Group Health Research Institute Development Fund
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 HHSF22320100009I
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**
Type and number: Investigator Initiated
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
Title: **Feasibility and Quality of PHQ-9 EHR Data for Use in CER of Depression Treatments** (Penfold)
Role: Principal Investigator
Funding Source: Group Health Research Institute Director’s Fund
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 –
8/31/2011

Title: **A Web-Based Intervention with Adolescent Smokers of Appalachian Ohio**

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

Title: **The Spatio-temporal Diffusion of Psychotropic Medication to Rural Children**

Type and number: Investigator initiated, 1R03MH077573-01A1

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).

01/06/2006 –
05/31/2009
Title: **Impulsivity at Different Stages of Adolescent Smoking**
Role: Co-investigator, 10%
Funding Source: Ministry of Health, Manitoba Canada

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

Service

National Service

9/1/2011 – Behavioral Health Advisory Committee Academy Health

Local Service

4/29/2013	Strategic Planning faculty sponsor at retreat Goal #1 - Data	GHRI
4/25/2013	Facilitator – Birnbaum Research Round Table	
9/2012 -	Geographic Designations Workgroup	GHQ
8/2012 -	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 – 10/201	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 -	International Health Economics Association	Member
2010 -	American Society of Health Economists	Member
2010 -	Academy Health	Member
1997 -	Association of American Geographers	Member

Peer Review

Grant Review Activities

6/6/2013	Ad hoc reviewer for Mental Health Services Research Committee (SERV)	National Institute for Mental Health
2009	2009 – RC1 Challenge Grant reviewer (first phase)	NIH

Editorial Activities

International Associate Editor, *BMC Family Practice*, September 2010 -

Journal Ad hoc Reviewer

American Journal of Managed Care
Archives of General Psychiatry
BMJ Open
BMJ Quality and Safety
Child Maltreatment
Health Affairs
Journal of General Internal Medicine
Pediatrics
Pharmacoepidemiology and Drug Safety
Psychiatric Services
Statistics in Medicine
Vaccine

Report of Local Teaching and Training

Teaching of Students in Courses

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
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
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 Mentoring

Jeremy Snider, PhD candidate, UW	Downstream Costs and Implications of Laboratory Ordering Practices at Group Health Cooperative
Maria Agapova, PhD candidate, UW	Effectiveness of Washington's Second Opinion Program in improving prescribing for Children with Autism Spectrum Disorders

Presentations

Local Invited

- 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

- 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

- 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